



# Navigation and Multimedia System Owner's Manual

*For your safety and comfort, read carefully and keep in the vehicle.*

## RAV4



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<b>Quick guide</b>	<ul style="list-style-type: none"> <li>• Basic system overview</li> <li>• Giving guidance for the route quickly</li> </ul>	<b>1</b>
<b>Basic function</b>	<ul style="list-style-type: none"> <li>• Information to be read before operation</li> <li>• Setting initial settings before operation</li> <li>• Connecting the Bluetooth® device</li> </ul>	<b>2</b>
<b>Navigation system</b>	<ul style="list-style-type: none"> <li>• Operating the map screen</li> <li>• Searching the map</li> <li>• Activating the route guidance</li> </ul>	<b>3</b>
<b>Audio/visual system</b>	<ul style="list-style-type: none"> <li>• Listening to the radio</li> <li>• Enjoying music and video</li> </ul>	<b>4</b>
<b>Speech command system</b>	<ul style="list-style-type: none"> <li>• Operating the speech command system</li> </ul>	<b>5</b>
<b>Peripheral monitoring system</b>	<ul style="list-style-type: none"> <li>• Checking the situation around the vehicle</li> </ul>	<b>6</b>
<b>Phone</b>	<ul style="list-style-type: none"> <li>• Operating the phone (Hands-free system for cellular phones)</li> </ul>	<b>7</b>
<b>Toyota App Suite</b>	<ul style="list-style-type: none"> <li>• Operating the Toyota App Suite</li> </ul>	<b>8</b>
<b>Index</b>	<ul style="list-style-type: none"> <li>• Search alphabetically</li> </ul>	

Introduction.....	6
Reading this manual.....	8

## 1 Quick guide

### 1-1. Basic function

Buttons overview .....	12
“Menu” screen.....	15
Status icon .....	16
“Setup” screen .....	18
“Information” screen.....	19

### 1-2. Navigation operation

Operating the map screen ....	20
Guiding the route .....	21
Registering home.....	22

## 2 Basic function

### 2-1. Basic information before operation

Initial screen.....	24
Touch screen .....	25
Home screen .....	27
Entering letters and numbers/list screen operation ...	28
Screen adjustment.....	31
Linking multi-information display and the system .....	33

### 2-2. Connectivity settings

Registering/Connecting a Bluetooth® device .....	34
Setting Bluetooth® details ....	38
Connecting to Miracast® via Wi-Fi® .....	46

### 2-3. Apple CarPlay/Android Auto

Apple CarPlay/Android Auto .	48
------------------------------	----

### 2-4. Other settings

General settings.....	55
Voice settings.....	58
Vehicle settings.....	59

## 3 Navigation system

### 3-1. Basic operation

Navigation.....	64
Map screen operation .....	66
Map screen information .....	69
Traffic information .....	73

### 3-2. Destination search

Destination search operation	75
Starting route guidance.....	82

### 3-3. Route guidance

Route guidance screen.....	86
Typical voice guidance prompts .....	90
Editing route.....	91

### 3-4. Setup

Navigation settings .....	94
Detailed navigation settings	100
Traffic settings.....	106

### 3-5. Tips for the navigation system

GPS (Global Positioning System) .....	111
Map database version and covered area .....	113

## 4 Audio/visual system

### 4-1. Basic operation

Quick reference .....116

Some basics .....117

### 4-2. Radio operation

AM/FM/DAB radio .....122

### 4-3. Media operation

USB memory .....126

iPod/iPhone  
(Apple CarPlay) .....128

Android Auto .....130

Bluetooth® audio .....131

Miracast® .....134

### 4-4. Audio/visual remote controls

Steering switches .....137

### 4-5. Setup

Audio settings .....139

### 4-6. Tips for operating the audio/visual system

Operating information .....140

## 5 Speech command system

### 5-1. Speech command system operation

Speech command system ..150

Command list .....152

## 6 Peripheral monitoring system

### 6-1. Rear view monitor system

Rear view monitor system ..158

Rear view monitor system precautions .....160

Things you should know ....165

### 6-2. Toyota parking assist monitor

Toyota parking assist monitor .....167

Estimated course line display mode .....170

Parking assist guide line display mode .....171

Distance guide line display mode .....172

Toyota parking assist monitor precautions .....173

Things you should know ....178

### 6-3. Panoramic view monitor

Panoramic view monitor ....180

Checking around the vehicle .....186

Checking the front and around the vehicle .....187

Checking the sides of the vehicle .....190

Checking the rear and around the vehicle .....193

When folding the outside rear view mirrors .....200

Magnifying function .....201

Customizing the panoramic view monitor .....202

Panoramic view monitor precautions .....203

Things you should know ....213

1

2

3

4

5

6

7

8

**7 Phone**

- 7-1. Phone operation (Hands-free system for cellular phones)**  
Quick reference .....**218**  
Some basics .....**219**  
Placing a call using the  
Bluetooth® hands-free system  
.....**223**  
Receiving a call using the  
Bluetooth® hands-free system  
.....**226**  
Talking on the Bluetooth®  
hands-free system .....**227**  
Bluetooth® phone message  
function .....**229**
- 7-2. Setup**  
Phone settings .....**233**
- 7-3. What to do if...**  
Troubleshooting .....**242**

**8 Toyota App Suite**

- 8-1. Toyota App Suite overview**  
Toyota App Suite service ....**246**
- 8-2. Toyota App Suite operation**  
Toyota App Suite .....**248**
- 8-3. Setup**  
Toyota App Suite settings ...**252**

**Index**

- Alphabetical Index .....**254**

1
2
3
4
5
6
7
8

## Introduction

### Navigation and multimedia system owner's manual

This manual explains the operation of this system. Please read this manual carefully to ensure proper use. Keep this manual in your vehicle at all times.

The screens shown in this manual may differ from the actual screen of the system depending on availability of functions, Toyota App Suite subscription status, and map data available at the time this manual was produced.

The screens in this manual will also differ if the screen theme settings have been changed. (Theme setting: →P.55)

In some situations when changing between screens, it may take longer than normal for the screen to change, the screen may be blank momentarily or noise may be displayed.

Please be aware that the content of this manual may be different from this system in some cases, such as when the system's software is updated.

The company names and product names appearing on this manual are trademarks and registered trademarks of their respective companies.

## Navigation system (with navigation function)

The Navigation System is one of the most technologically advanced vehicle accessories ever developed. The system receives satellite signals from the Global Positioning System (GPS) operated by the U.S. Department of Defense. Using these signals and other vehicle sensors, the system indicates your present position and assists in locating a desired destination.

The navigation system is designed to select efficient routes from your present starting location to your destination. The system is also designed to direct you to a destination that is unfamiliar to you in an efficient manner. The system uses TomTom maps. The calculated routes may not be the shortest nor the least traffic congested. Your own personal local knowledge or "short cut" may at times be faster than the calculated routes.

The navigation system's database includes Point of Interest categories to allow you to easily select destinations such as restaurants and hotels. If a destination is not in the database, you can enter the street address close to it and the system will guide you there.

The system will provide both a visual map and audio instructions. The audio instructions will

announce the distance remaining and the direction to turn in when approaching an intersection. These voice instructions will help you keep your eyes on the road and are timed to provide enough time to allow you to maneuver, change lanes or slow down.




Please be aware that all current vehicle navigation systems have certain limitations that may affect their ability to perform properly. The accuracy of the vehicle's position depends on satellite conditions, road configuration, vehicle condition or other circumstances. For more information on the limitations of the system, refer to page 111.

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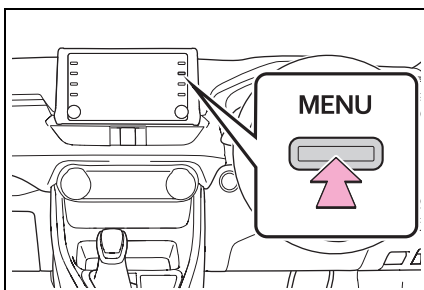
## Reading this manual


### Explains symbols used in this manual

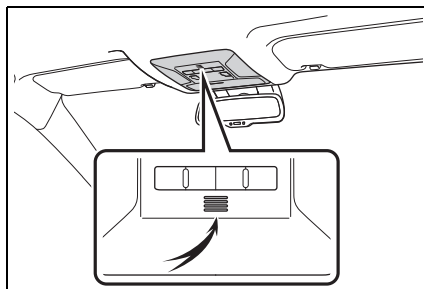
### Symbols in this manual


Symbols	Meanings
	<b>WARNING:</b> Explains something that, if not obeyed, could cause death or serious injury to people.
	<b>NOTICE:</b> Explains something that, if not obeyed, could cause damage to or a malfunction in the vehicle or its equipment.
	Indicates operating or working procedures. Follow the steps in numerical order.

### Symbols in illustrations



Symbols	Meanings
	Indicates the action (pushing, turning, etc.) used to operate switches and other devices.



Symbols	Meanings
	Indicates the component or position being explained.

### Different writing styles for gasoline and hybrid vehicles

Information for hybrid vehicles is written in brackets next to the information for gasoline vehicles.

Example

Turn the engine switch<sup>\*1</sup> <power switch><sup>\*2</sup> to ACC or ON.

<sup>\*1</sup>: Vehicles with gasoline engine

<sup>\*2</sup>: Vehicles with hybrid system

### Safety instruction (without navigation function)

To use this system in the safest possible manner, follow all the safety tips shown below.



Do not use any feature of this system to the extent it becomes a distraction and prevents safe driving. The first priority while driving should always be the safe operation of the vehicle. While driving, be sure to observe all traffic regulations.

Prior to the actual use of this system, learn how to use it and become thoroughly familiar with it. Read the entire manual to make sure you understand the system. Do not allow other people to use this system until they have read and understood the instructions in this manual.

For your safety, some functions may become inoperable when driving. Unavailable screen buttons are dimmed.



#### **WARNING**

- For safety, the driver should not operate the system while he/she is driving. Insufficient attention to the road and traffic may cause an accident.

#### **Safety instruction (with navigation function)**

To use this system in the safest possible manner, follow all the safety tips shown below.

This system is intended to assist in reaching the destination and, if used properly, can do so. The driver is solely responsible for the safe operation of your vehicle and

the safety of your passengers.

Do not use any feature of this system to the extent it becomes a distraction and prevents safe driving. The first priority while driving should always be the safe operation of the vehicle. While driving, be sure to observe all traffic regulations.

Prior to the actual use of this system, learn how to use it and become thoroughly familiar with it. Read the entire manual to make sure you understand the system. Do not allow other people to use this system until they have read and understood the instructions in this manual.

For your safety, some functions may become inoperable when driving. Unavailable screen buttons are dimmed.



#### **WARNING**

- For safety, the driver should not operate the system while he/she is driving. Insufficient attention to the road and traffic may cause an accident.
- While driving, be sure to obey the traffic regulations and maintain awareness of the road conditions. If a traffic sign on the road has been changed, route guidance may not have the updated information such as the direction of a one way street.

While driving, listen to the voice instructions as much as possible and glance at the screen briefly and only when it is safe. However, do

not totally rely on voice guidance. Use it just for reference. If the system cannot determine the current position correctly, there is a possibility of incorrect, late, or non-voice guidance.

The data in the system may occasionally be incomplete. Road conditions, including driving restrictions (no left turns, street closures, etc.) frequently change. Therefore, before following any instructions from the system, look to see whether the instruction can be done safely and legally.

This system cannot warn about such things as the safety of an area, condition of streets, and availability of emergency services. If unsure about the safety of an area, do not drive into it.

Under no circumstances is this system a substitute for the driver's personal judgement.

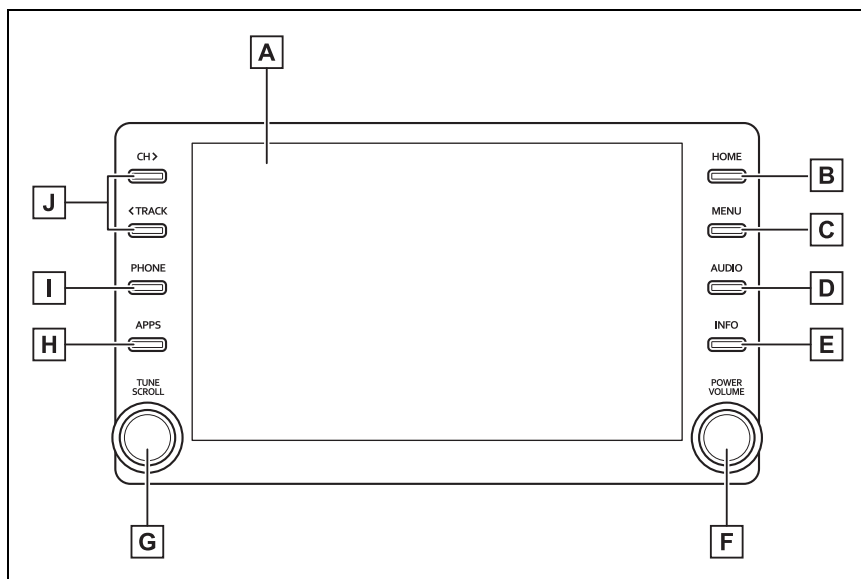
Use this system only in locations where it is legal to do so. Some areas may have laws prohibiting the use of navigation screens next to the driver.

**1-1. Basic function**Buttons overview ..... **12**"Menu" screen ..... **15**Status icon..... **16**"Setup" screen ..... **18**"Information" screen ..... **19****1-2. Navigation operation**Operating the map screen .. **20**Guiding the route ..... **21**Registering home ..... **22**

## Buttons overview

### Operations of each part

#### ► Without navigation function



- A** By touching the screen with your finger, you can control the selected functions. (→P.25, 26)
- B** Press to access the home screen. (→P.27)
- C** Press to display the “Menu” screen. (→P.15)
- D** Press to access the audio/visual system. (→P.116)
- E** Press to display the fuel information or energy monitor<sup>\*1</sup> screen.<sup>\*2</sup>
- F** Press to turn the audio/visual system on and off, and turn it to adjust the volume. Press and hold to restart the system. (→P.24, 117)
- G** Turn to change the radio station or skip to the next or previous track/file. (→P.123, 127, 128, 130, 132)
- H** Press to display the application screen.<sup>\*3, 4</sup> (→P.248)
- I** Press to access the Bluetooth<sup>®</sup> hands-free system. (→P.218)
  - When an Apple CarPlay connection is established, press to display the phone

application screen.\*3

- J** Press to seek up or down for a radio station or to access a desired track/file. (→P.123, 127, 128, 130, 132)

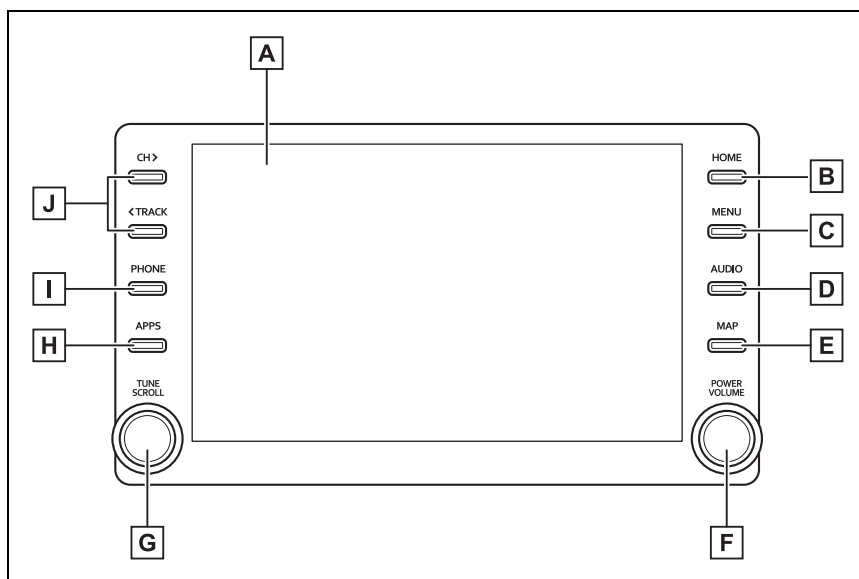
\*1: Vehicles with hybrid system

\*2: Refer to the “Owner’s Manual”

\*3: This function is not made available in some countries or areas.

\*4: When an Apple CarPlay/Android Auto connection is established, this function will be unavailable.

► With navigation function



- A** By touching the screen with your finger, you can control the selected functions. (→P.25, 26)
- B** Press to access the home screen. (→P.27)
- C** Press to display the “Menu” screen. (→P.15)
- D** Press to access the audio/visual system. (→P.116)
- E** Press to display the map screen and repeat a voice guidance. (→P.64)
- F** Press to turn the audio/visual system on and off, and turn it to adjust the volume. Press and hold to restart the system. (→P.24, 117)
- G** Turn to change the radio station or skip to the next or previous track/file.

(→P.123, 127, 128, 130, 132)

**H** Press to display the application screen. <sup>\*1,2</sup> (→P.248)

**I** Press to access the Bluetooth® hands-free system. (→P.218)

- When an Apple CarPlay connection is established, press to display the phone application screen. <sup>\*1</sup>

**J** Press to seek up or down for a radio station or to access a desired track/file. (→P.123, 127, 128, 130, 132)

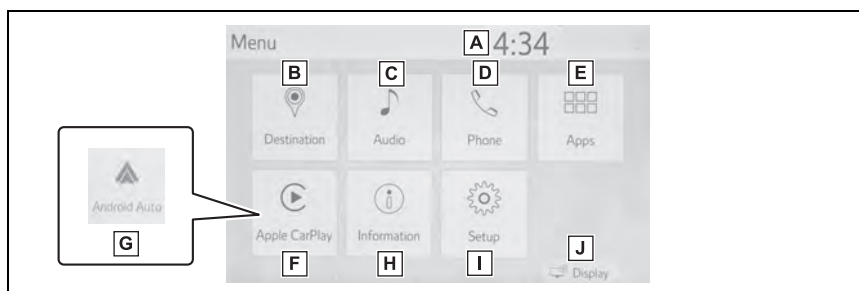
<sup>\*1</sup>: This function is not made available in some countries or areas.

<sup>\*2</sup>: When an Apple CarPlay/Android Auto connection is established, this function will be unavailable.

## “Menu” screen

### “Menu” screen operation

Press the “MENU” button to display the “Menu” screen.



- A** Displays the clock. Select to display the clock settings screen. (→P.56)
  - B** Select to display the destination screen<sup>\*1</sup>. (→P.75)
  - C** Select to display the audio control screen. (→P.116)
  - D** Select to display the hands-free operation screen. (→P.218)
    - When an Apple CarPlay connection is established, press to display the phone application screen.<sup>\*2</sup>
  - E** Select to display the application screen.<sup>\*2, 3</sup> (→P.248)
  - F** When an Apple CarPlay connection is established, select to display the home screen of Apple CarPlay.<sup>\*2</sup> (→P.48)
  - G** When an Android Auto connection is established, select to display the home screen of Android Auto.<sup>\*2</sup> (→P.49)
  - H** Select to display the information screen.<sup>\*1</sup> (→P.19)
    - Select to display the fuel consumption or energy monitor<sup>\*4</sup> screen<sup>\*5</sup>. (→P.19)
  - I** Select to display the “Setup” screen. (→P.18)
  - J** Select to adjust the contrast and brightness of the screens, etc. (→P.31)
- <sup>\*1</sup>: With navigation function
- <sup>\*2</sup>: This function is not made available in some countries or areas.
- <sup>\*3</sup>: When an Apple CarPlay/Android Auto connection is established, this function will be unavailable.
- <sup>\*4</sup>: Vehicles with hybrid system
- <sup>\*5</sup>: Refer to the “Owner’s Manual”

## Status icon

**Status icons are displayed at the top of the screen.**

### Status icon explanation




- A** The reception level of the connected phone display (→P.16)
- B** Remaining battery charge display (→P.16)
- C** Bluetooth® phone connection condition display (→P.17)
- D** Shown during data communication performed via Miracast® (→P.16)

● The number of status icons that can be displayed differs depending on the displayed screen.

### Reception level display

The level of reception does not always correspond with the level



displayed on the cellular phone. The level of reception may not be displayed depending on the phone you have.

When the cellular phone is out of the service area or in a place inaccessible by radio waves,  is displayed.




“Rm” is displayed when receiving in a roaming area. While roaming, display “Rm” top-left on the icon.

The receiving area may not be displayed depending on the type of Bluetooth® phone you have.

► While connected with cellular phone

Reception Level	Indicators
Poor	
Excellent	

► When using Miracast®

Reception Level	Indicators
No connection	
Poor	
Excellent	

● When Miracast® function is off, no item is displayed.



### Remaining battery charge display

The amount displayed does not always correspond with the amount



displayed on the Bluetooth® device.  
The amount of battery charge left may not be displayed depending on the type of the Bluetooth® device connected.

This system does not have a charging function.

Remaining charge	Indicators
Empty	
Full	

### Bluetooth® connection condition display




An antenna for the Bluetooth® connection is built into the instrument panel.

The condition of the Bluetooth® connection may deteriorate and the system may not function when a Bluetooth® phone is used in the following conditions and/or places:

The cellular phone is obstructed by certain objects (such as when it is behind the seat or in the glove box or console box).

The cellular phone is touching or is covered with metal materials.

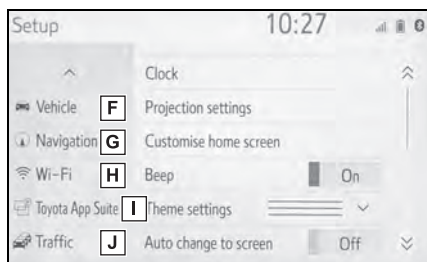
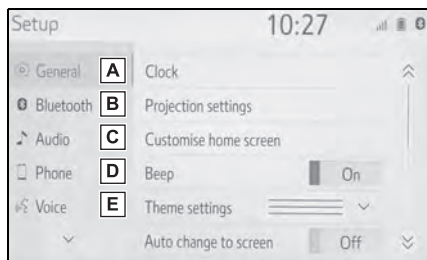
Leave the Bluetooth® phone in a place where the condition of the Bluetooth® connection is good.

Indicators	Conditions
 (Blue)	Indicates that the condition of the Bluetooth® connection is good.
 (Gray)	While in this condition, sound quality during phone calls may deteriorate.
	Indicates that the cellular phone is not connected via Bluetooth®.

## “Setup” screen

### “Setup” screen

Press the “MENU” button, then select “Setup” to display the “Setup” screen. The items shown on the “Setup” screen can be set.



- A** Select to change the operation sound, etc. (→P.55)
- B** Select to set Bluetooth® device and Bluetooth® system settings. (→P.38)
- C** Select to set audio settings. (→P.139)
- D** Select to set the phone sound, contacts, message settings, etc. (→P.233)
- E** Select to set the voice settings. (→P.58)
- F** Select to set vehicle information

such as maintenance information. (→P.59)

- G** Select to set memory points (home, favourites entries, areas to avoid), or navigation details.\*<sup>1</sup> (→P.94)
- H** Select to set Wi-Fi® connection settings. (→P.46)
- I** Select to set Toyota App Suite settings.\*<sup>2</sup> (→P.252)
- J** Select to set traffic information settings.\*<sup>1, 2</sup> (→P.106)

\*<sup>1</sup>: With navigation function

\*<sup>2</sup>: This function is not made available in some countries or areas.

**“Information” screen<sup>\*</sup>**

<sup>\*</sup>: With navigation function

**“Information” screen**

Press the “MENU” button, then select “Information” to display the “Information” screen.



- A** Select to display the fuel consumption and energy monitor<sup>\*1</sup> screen.<sup>\*2</sup>
- B** Select to display traffic incidents. (→P.73)

<sup>\*1</sup>: Vehicles with hybrid system

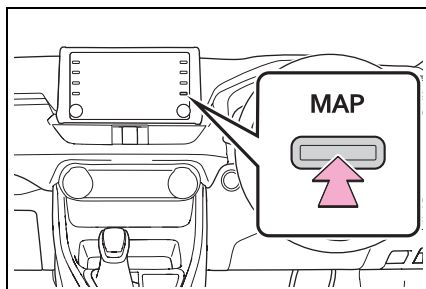
<sup>\*2</sup>: Refer to the “Owner’s Manual”

## Operating the map screen\*

\*: With navigation function

### Displaying the current position of the vehicle on the map screen

- 1 Press the "MAP" button.



- The current position of the vehicle is displayed on the map screen.



### ■ Displaying the map screen

The following operations can also be performed.

- Changing the map direction (→P.67)
- Displaying 3D map (→P.67)
- Changing the map colour (→P.100)

- Displaying the micro city map (→P.66)

### Moving the map screen

- 1 Select the desired point on the map screen.



- The map screen can be scrolled by touching, dragging or flicking it. (→P.25)



- Press the "MAP" button to return to the current position.

### Zooming in/out the map

#### ■ Zooming in the map

- 1 Select or pinch out on the map screen. (→P.66)

#### ■ Zooming out the map

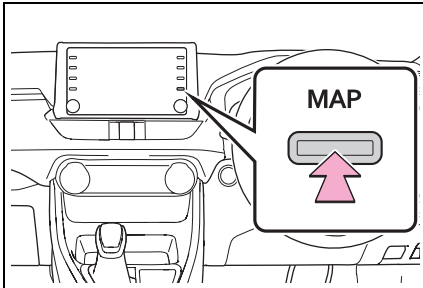
- 1 Select or pinch in on the map screen. (→P.66)

## Guiding the route\*

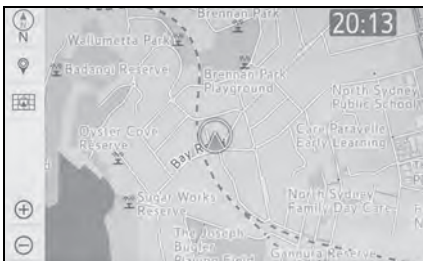
\*: With navigation function

### Setting the destination

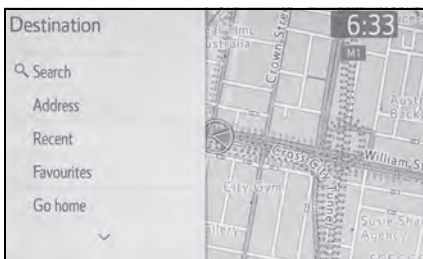
- 1 Press the "MAP" button.



- 2 Select .



- 3 There are different kinds of methods to search for a destination. (→P.75)



- 4 Select "Go directly".
- Check that the route overview is displayed. (→P.83)

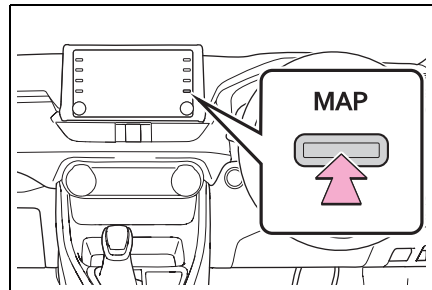
- 5 Select "OK".


- Selecting routes other than the one recommended (→P.84)
- Guidance to the destination is displayed on the screen and can be heard via voice guidance.

### Deleting destinations

When route guidance is no longer necessary, such as when you know the rest of the route to your destination, the destination can be deleted.

- 1 Press the "MAP" button.



- 2 Select .



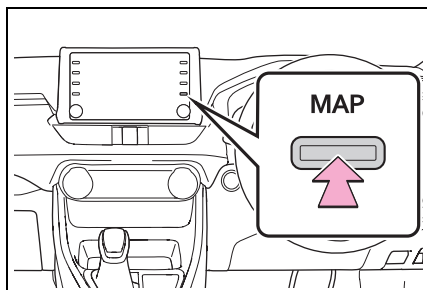
- 3 Select "Yes" when the confirmation screen appears.
- When more than 1 destination has been set, a list will be displayed on the screen. Select the item(s) to be deleted.

## Registering home\*

\*: With navigation function

### Registering home

- 1 Press the "MAP" button.



- 2 Select  .

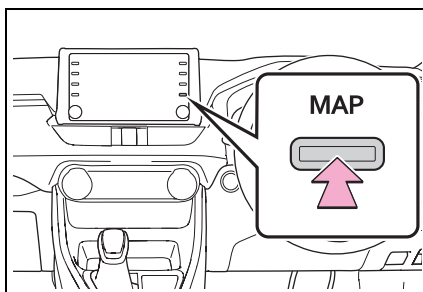


- 3 Search for your home.
  - There are different kinds of methods to search for your home. (→P.75)
- 4 Select "Enter".
- 5 Select "OK".
  - Registration of home is complete.
  - Registering home in a different way →P.95
  - Editing the name, location and icon →P.95
  - Setting home as the destination

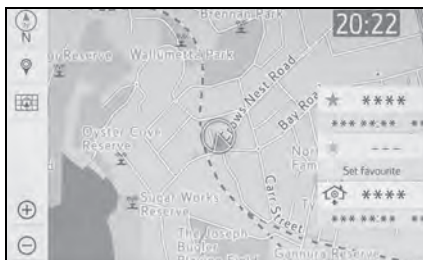
→P.78

## Setting home as the destination

- 1 Press the "MAP" button.



- 2 Select  .



- Guidance to the destination is displayed on the screen and can be heard via voice guidance.
- Setting home as the destination in a different way →P.78

## 2-1. Basic information before operation

Initial screen .....	24
Touch screen .....	25
Home screen .....	27
Entering letters and numbers/list screen operation .	28
Screen adjustment.....	31
Linking multi-information display and the system.....	33

## 2-2. Connectivity settings

Registering/Connecting a Bluetooth® device.....	34
Setting Bluetooth® details...	38
Connecting to Miracast® via Wi-Fi® .....	46

## 2-3. Apple CarPlay/Android Auto

Apple CarPlay/Android Auto	48
----------------------------	----

## 2-4. Other settings

General settings .....	55
Voice settings .....	58
Vehicle settings.....	59

## Initial screen

**When the engine switch <power switch> is turned to ACC or ON, the initial screen will be displayed and the system will begin operating.**

## Caution screen

After a few seconds, the caution screen will be displayed.

After about 5 seconds or selecting "Continue", the caution screen automatically switches to the next screen.



### WARNING

- When the vehicle is stopped with the engine running <the hybrid system operating>, always apply the parking brake for safety.

## Maintenance information\*

\*: With navigation function

- To prevent this screen from being displayed again, select "Do not tell me again."
- To register maintenance information: →P.60

This system reminds users when to replace certain parts or components and shows dealer information (if registered) on the screen.

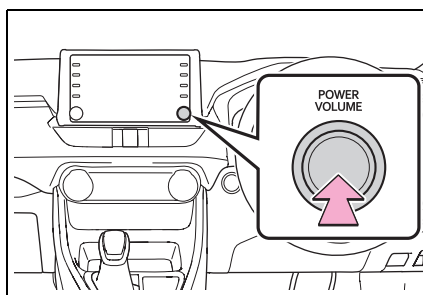
When the vehicle reaches a previously set driving distance or date specified for a scheduled maintenance check, the maintenance

remainder screen will be displayed when the system is turned on.

## Restarting the system

When system response is extremely slow, the system can be restarted.

- 1 Press and hold the "POWER VOLUME" knob for 3 seconds or more.

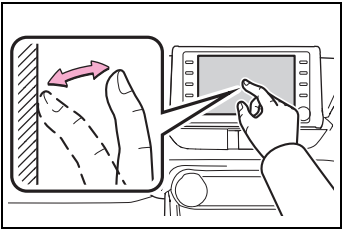
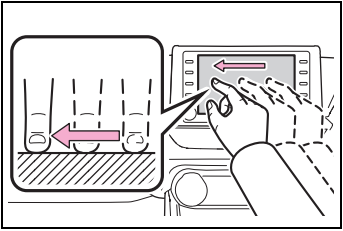
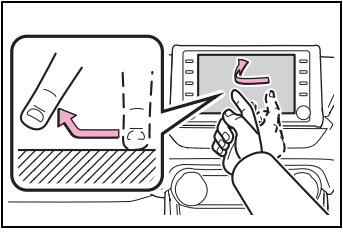
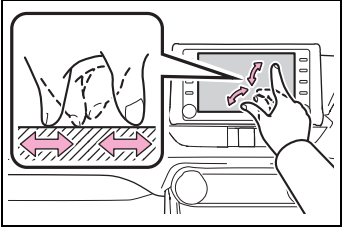




## Touch screen

### Touch screen gestures

Operations are performed by touching the touch screen directly with your finger.

Operation method	Outline	Main use
	<ul style="list-style-type: none"> <li>• Touch</li> </ul> <p>Quickly touch and release once.</p>	<ul style="list-style-type: none"> <li>• Selecting an item on the screen</li> </ul>
	<ul style="list-style-type: none"> <li>• Drag<sup>*1</sup></li> </ul> <p>Touch the screen with your finger, and move the screen to the desired position.</p>	<ul style="list-style-type: none"> <li>• Scrolling the lists</li> <li>• Scrolling the map screen<sup>*2</sup></li> <li>• Moving an item on a list</li> </ul>
	<ul style="list-style-type: none"> <li>• Flick<sup>*1</sup></li> </ul> <p>Quickly move the screen by flicking with your finger.</p>	<ul style="list-style-type: none"> <li>• Scrolling the main screen page</li> <li>• Scrolling the map screen<sup>*2</sup></li> </ul>
	<ul style="list-style-type: none"> <li>• Pinch in/Pinch out<sup>*2, 3</sup></li> </ul> <p>Slide fingers toward each other or apart on the screen.</p>	<ul style="list-style-type: none"> <li>• Changing the scale of the map<sup>*2</sup></li> </ul>

<sup>\*1</sup>: The above operations may not be performed on all screens.

<sup>\*2</sup>: With navigation function

<sup>\*3</sup>: The Apple CarPlay Maps application is not compatible with pinch multi-touch

gestures.

- Flick operations may not be performed smoothly at high altitudes.

## Touch screen operation

**This system is operated mainly by the buttons on the screen. (Referred to as screen buttons in this manual.)**

**When a screen button is touched, a beep sounds. (To set the beep sound: →P.55)**





### NOTICE

- To prevent damaging the screen, lightly touch the screen buttons with your finger.
- Do not use objects other than your finger to touch the screen.
- Wipe off fingerprints using a glass cleaning cloth. Do not use chemical cleaners to clean the screen, as they may damage the touch screen.
- Do not use the following liquids to clean the screen, as they may cause discoloration: Organic solutions, such as benzene, gasoline or alcohol, and alkaline solutions.

- If the system does not respond to touching a screen button, move your finger away from the screen and then touch it again.
- Dimmed screen buttons cannot be operated.
- The displayed image may become darker and moving images may be slightly distorted when the screen is cold.
- In extremely cold conditions, the screen may not be displayed and the data input by a user may be deleted.

Also, the screen buttons may be harder than usual to depress.

- When you look at the screen through polarized material such as polarized sunglasses, the screen may be dark and hard to see. If so, look at the screen from different angles, adjust the screen settings on the display settings screen or take off your sunglasses.
- When  is displayed on the screen, select  to return to the previous screen.

## Capacitive touch screen buttons

The operable areas of the capacitive touch screen buttons use capacitive touch sensors and may not operate properly in the following situations:

- If the screen is dirty or wet
- If a source of strong electromagnetic waves is brought near the screen
- If a glove is worn during operation
- If the screen is touched by a fingernail
- If a stylus is used to operate the buttons
- If your palm touches the operable area of another button during operation
- If a button is touched quickly

- If the operable part of a capacitive touch screen button is touched by or covered with a metal object, such as the following, it may not operate properly:

- Magnetic isolation cards
- Metallic foil, such as the inner packaging of a cigarette box
- Metallic wallets or bags
- Coins
- Discs, such as a CD or DVD

- If the operable part of a capacitive touch screen button is wiped, it may operate unintentionally.

- If the capacitive touch screen button is being touched when the engine switch <power switch> is changed to ACC or ON, the button may not operate properly. In this case, remove anything touching the button, turn the engine switch <power switch> off and then turn it to ACC or ON, or restart the system by press and hold the “POWER VOLUME” knob for 3 seconds or more.

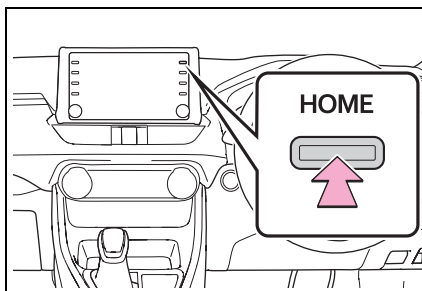
- 
- Capacitive touch screen button sensor sensitivity can be adjusted.  
(→P.55)

## Home screen

**On the home screen, multiple screens, such as the audio/visual system screen, hands-free screen and clock screen, can be displayed simultaneously.**

## Home screen operation

- 1 Press the “HOME” button.



- 2 Check that the home screen is displayed.

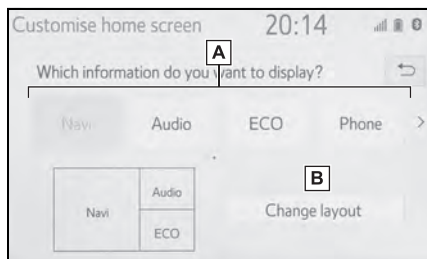


- Selecting a screen will display it full screen.
- 
- The display information and area on the home screen can be customized.
  - The home screen can be set to several types of split layouts.

### Customizing the home screen

The display information/area on the home screen and the home screen layout can be changed.

- 1 Press the "MENU" button.
- 2 Select "Setup".
  - If the general settings screen is not displayed, select "General".
- 3 Select "Customise home screen".
- 4 Select the items to be set.

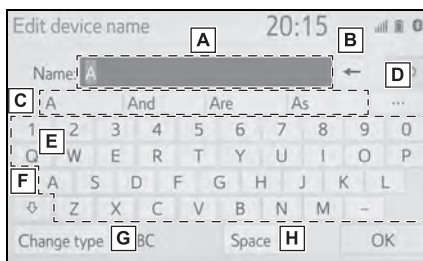


- A** Select to change the display information and area on the home screen.
- B** Select to change the home screen layout.

### Entering letters and numbers/list screen operation



#### Entering letters and numbers

When searching by an address, name, etc., or entering data, letters and numbers can be entered via the screen.



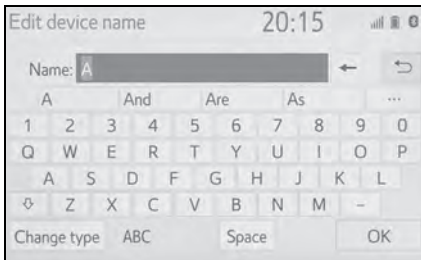
- A** Text field. Entered character(s) will be displayed.
- B** Select to erase one character. Select and hold to continue erasing characters.
- C** Select to choose a predictive text candidate for entered text. (→P.29)
- D** Select to display a list of predictive text candidates when there is more than one. (→P.29)
- E** Select to enter desired characters.
- F** Select to enter characters in lower case or in upper case.
- G** Select to change character types. (→P.29)

- H** Select to make a space on cursor.

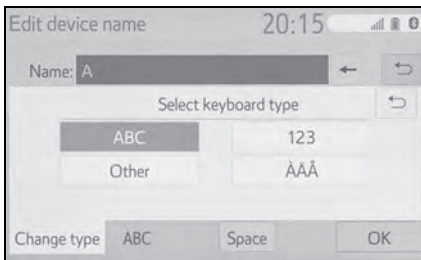
- Keyboard layout can be changed. (→P.55)
- When   is displayed, selecting it will move the cursor to the text field.

### Changing character type

- 1 Select “Change type”.



- 2 Select the desired character.



- Depending on the screen being displayed, it may not be possible to change keyboard characters.


### Displaying predictive text candidates

When text is input, the system predicts the text that may complete the currently unconfirmed text and displays predictive replacement candidates that match the beginning of

the text.

- 1 Input text.
- 2 Select the desired candidate.



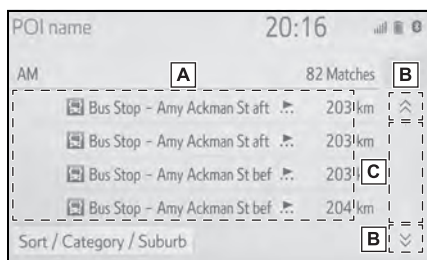
- To select a candidate that is not displayed, select , and then select the desired predictive replacement candidate.








### List screen

The list screen may be displayed after entering characters. When a list is displayed, use the appropriate screen button to scroll through the list.

### Scrolling list screen



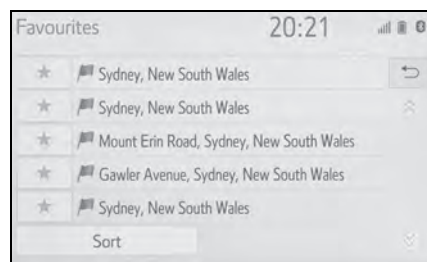
- A** To scroll up/down the list, flick the list up/down.
- B** Select to skip to the next or previous page. Select and hold  or  to scroll through the displayed list.
- C** Indicates the position of the displayed entries in the entire list. To scroll up/down pages, drag the bar.

- If  appears to the right of an item name, the complete name is too long to display.
- Select to  scroll to the end of the name.
- Select  to move to the beginning of the name.
- Matching items from the database are listed even if the entered address or name is incomplete.
- The list will be displayed automatically if the maximum number of characters is entered or matching items can be displayed on a single list screen.
- The number of matching items is shown on the right side of the screen. If the number of matching items is more than 999, the system displays "\*\*\*\*\*" on the screen.

### Sorting

The order of a list displayed on the screen can be sorted in the order of distance from the current location, date, category, etc.

#### 1 Select "Sort".



#### 2 Select the desired sorting criteria.

### Searching a list

Items are displayed in the list with the most similar results of the search at the top.

#### 1 Select .



## 2 Input text.



### 3 Select "Search".

### 4 The list is displayed.

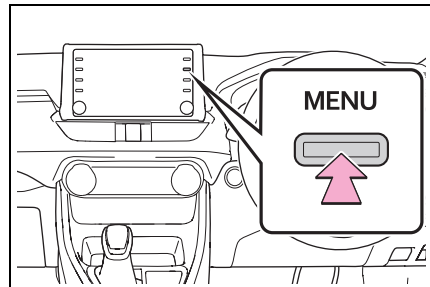
## Screen adjustment

The contrast and brightness of the screen display and the image of the camera display can be adjusted. The screen can also be turned off, and/or changed to either day or night mode.

(For information regarding audio/visual screen adjustment: →P.120)

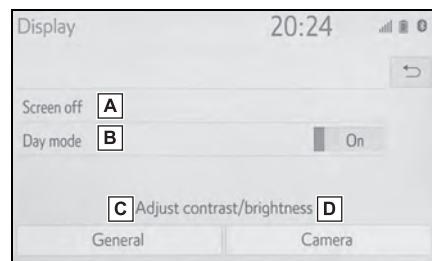
## Displaying the screen adjustment screen

### 1 Press the "MENU" button.



### 2 Select "Display".

### 3 Select the desired items to be set.



### A Select to turn the screen off. To

turn it on, press any button.

- B** Select to turn day mode on/off.  
(→P.32)
- C** Select to adjust the screen display. (→P.32)
- D** Select to adjust the camera display. (→P.32)

- When the screen is viewed through polarized sunglasses, a rainbow pattern may appear on the screen due to optical characteristics of the screen. If this is disturbing, please operate the screen without polarized sunglasses.

### Changing between day and night mode

Depending on the position of the headlight switch, the screen changes to day or night mode. This feature is available when the headlight is switched on.

- 1 Select "Day Mode".

- If the screen is set to day mode with the headlight switch turned on, this condition is memorized even with the engine <hybrid system> turned off.

### Adjusting the contrast/brightness

The contrast and brightness of the screen can be adjusted according to the brightness of your surroundings.

- 1 Select "General" or "Camera".
  - 2 Select the desired item.
- "Display (General)" screen only:

Select "<" or ">" to select the desired display.

- "Contrast"

"+": Select to strengthen the contrast of the screen.

"-": Select to weaken the contrast of the screen.

- "Brightness"

"+": Select to brighten the screen.

"-": Select to darken the screen.



## Linking multi-information display and the system

The following functions of the system are linked with the multi-information display in the instrument cluster:

- Audio
- Phone \*

etc.

These functions can be operated using the multi-information display control switches on the steering wheel. For details, refer to “Owner’s Manual”.

\*: When an Apple CarPlay connection is established, this function will be unavailable.

## Registering/Connecting a Bluetooth® device

To use the hands-free system, it is necessary to register a Bluetooth® phone with the system.

Once the phone has been registered, it is possible to use the hands-free system.

This operation cannot be performed while driving.

When an Apple CarPlay connection is established, Bluetooth® functions of the system will become unavailable and any connected Bluetooth® devices will be disconnected.

When connecting to Android Auto, a Bluetooth® connection will be made automatically.

When an Android Auto connection is established, some Bluetooth® functions other than hands-free system cannot be used.

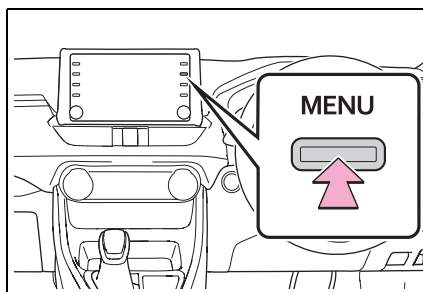
## Registering a Bluetooth® phone for the first time

### ■ Registering from the navigation system

- 1 Turn the Bluetooth® connection setting of your cellular phone on.

- This function is not available when Bluetooth® connection setting of your cellular phone is set to off.

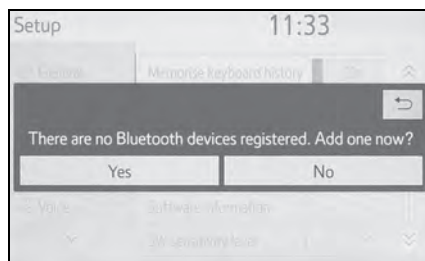
- 2 Press the “MENU” button.



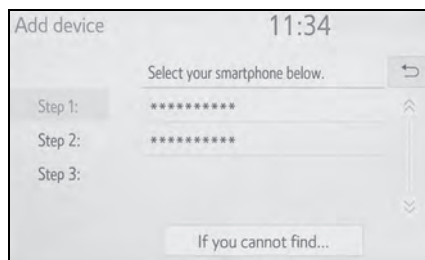
- 3 Select “Phone”.

- Operations up to this point can also be performed by pressing the “PHONE” button on the instrument panel.

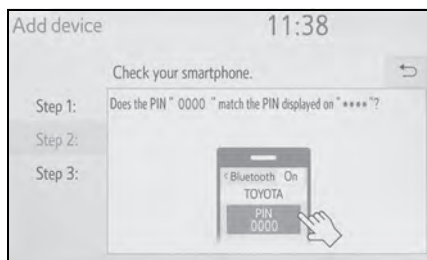
- 4 Select “Yes” to register a phone.



- 5 Select the desired Bluetooth® device.

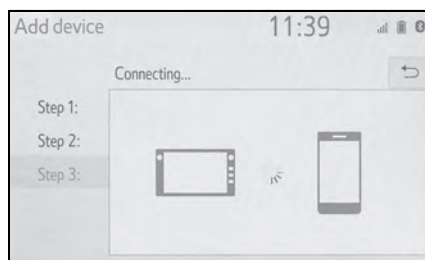


- If the desired Bluetooth® phone is not on the list, select “If you cannot find...” and follow the guidance on the screen. (→P.36)
- 6 Register the Bluetooth® device using your Bluetooth® device.



- For details about operating the Bluetooth® device, see the manual that comes with it.
- A PIN code is not required for SSP (Secure Simple Pairing) compatible Bluetooth® devices. Depending on the type of Bluetooth® device being connected, a message confirming registration may be displayed on the Bluetooth® device's screen. Respond and operate the Bluetooth® device according to the confirmation message.

- 7 Check that the following screen is displayed, indicating pairing was successful.



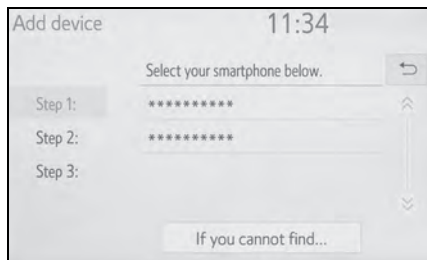
- The system is connecting to the registered device.
  - At this stage, the Bluetooth® functions are not yet available.
- 8 Check that “Connected” is displayed and registration is complete.



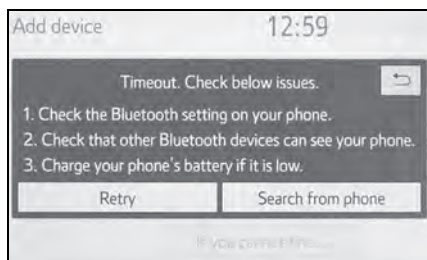
- If an error message is displayed, follow the guidance on the screen to try again.
- If a cellular phone does not operate properly after being connected, turn the cellular phone off and on and then connect it again.

### ■ Registering from phone

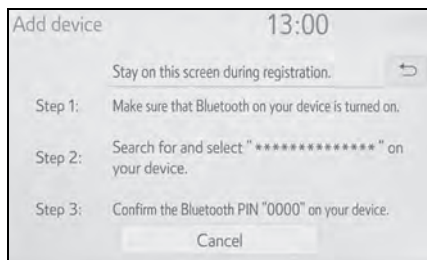
- 1 Select "If you cannot find...".



- 2 Select "Search from phone".



- 3 Check that the following screen is displayed, and register the Bluetooth® device using your Bluetooth® device.



- For details about operating the Bluetooth® device, see the manual that comes with it.
- A PIN code is not required for SSP (Secure Simple Pairing) compatible Bluetooth® devices. Depending on the type of

Bluetooth® device being connected, a message confirming registration may be displayed on the Bluetooth® device's screen. Respond and operate the Bluetooth® device according to the confirmation message.

- 4 Follow the steps in "Registering a Bluetooth® phone for the first time" from step 7. (→P.34)

### Registering a Bluetooth® audio player for the first time

To use the Bluetooth® audio, it is necessary to register an audio player with the system.

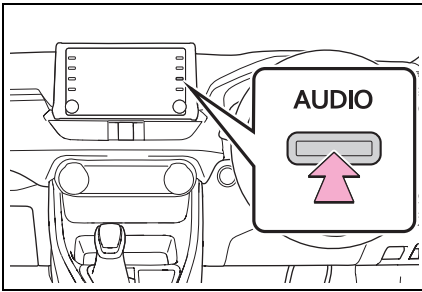
Once the player has been registered, it is possible to use the Bluetooth® audio.

This operation cannot be performed while driving.

For details about registering a Bluetooth® device: →P.41

- 1 Turn the Bluetooth® connection setting of your audio player on.
- This function is not available when the Bluetooth® connection setting of your audio player is set to off.

## 2 Press the "AUDIO" button.



- 3 Select "Source" on the audio screen or press "AUDIO" button again.
- 4 Select "Bluetooth".
- 5 Select "Yes" to register an audio player.
- 6 Follow the steps in "Registering a Bluetooth® phone for the first time" from step 5. (→P.34)

### Profiles

This system supports the following services.

#### ■ Bluetooth® Core Specification

- Ver. 2.0 (Recommended: Ver. 4.2)

#### ■ Profiles:

- HFP (Hands Free Profile) Ver. 1.0 (Recommended: Ver. 1.7)
  - This is a profile to allow hands-free phone calls using a cellular phone. It has outgoing and incoming call functions.
- OPP (Object Push Profile) Ver. 1.1 (Recommended: Ver. 1.2)
  - This is a profile to transfer contacts

data.

- PBAP (Phone Book Access Profile) Ver. 1.0 (Recommended: Ver. 1.2)
  - This is a profile to transfer phone-book data.
- MAP (Message Access Profile) Ver. 1.0 Recommended: Ver. 1.2
  - This is a profile to use phone message functions.
- SPP (Serial Port Profile) Ver. 1.1 (Recommended: Ver. 1.2)
  - This is a profile to use the Toyota App Suite service and smartphone collaboration function.\*
- A2DP (Advanced Audio Distribution Profile) Ver. 1.0 (Recommended: Ver. 1.3)
  - This is a profile to transmit stereo audio or high quality sound to the audio/visual system.
- AVRCP (Audio/Video Remote Control Profile) Ver. 1.0 (Recommended: Ver. 1.6)
  - This is a profile to allow remote control the A/V equipment.

\*: With navigation function (This function is not available in some countries or areas.)

- 
- This system is not guaranteed to operate with all Bluetooth® devices.
  - If your cellular phone does not support HFP, registering the Bluetooth® phone or using OPP, PBAP, MAP or SPP profiles individually will not be possible.
  - If the connected Bluetooth® device version is older than recommended or incompatible, the Bluetooth® device

function may not work properly.

- Certification



Bluetooth is a registered trademark of Bluetooth SIG, Inc.

## Setting Bluetooth® details

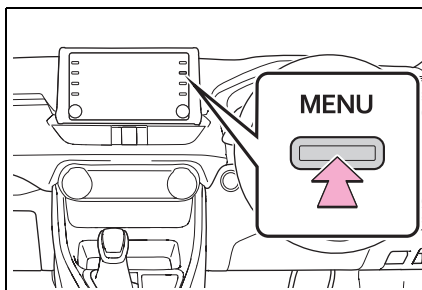
**When an Apple CarPlay connection is established, this function will be unavailable.\***

**When an Android Auto connection is established, some functions will be unavailable.\***

\*: This function is not made available in some countries or areas.

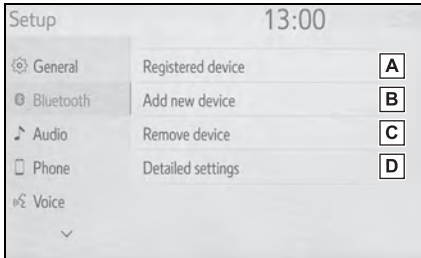
## Displaying the Bluetooth® setup screen

- 1 Press the “MENU” button.



- 2 Select “Setup”.
- 3 Select “Bluetooth”.
- 4 Select the desired item to be set.

## Bluetooth® setup screen



- A** Connecting a Bluetooth® device and editing the Bluetooth® device information (→P.39, 42)
- B** Registering a Bluetooth® device (→P.41)
- C** Deleting a Bluetooth® device (→P.41)
- D** Setting the Bluetooth® system (→P.43)

- When an Apple CarPlay connection is established, this function will be unavailable.
- When an Android Auto connection is established, some functions will be unavailable.

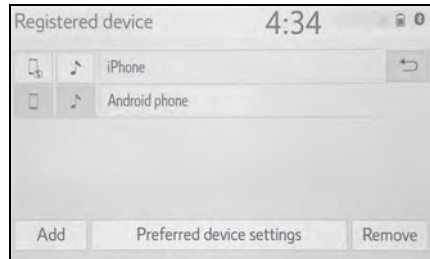
## Connecting a Bluetooth® device

Up to 5 Bluetooth® devices (Phones (HFP) and audio players (AVP)) can be registered.

If more than 1 Bluetooth® device has been registered, select which device to connect to.

- 1 Display the Bluetooth® settings screen. (→P.38)


- 2 Select "Registered device".
- 3 Select the device to be connected.



"Add": Registering a Bluetooth® device. (→P.34)

"Preferred device settings": Select to change the automatic connection priority of the registered Bluetooth® devices. (→P.44)

"Remove": Deleting a Bluetooth® device. (→P.41)

 : Phone

 : Audio player

 : Phone/Toyota App Suite service \*

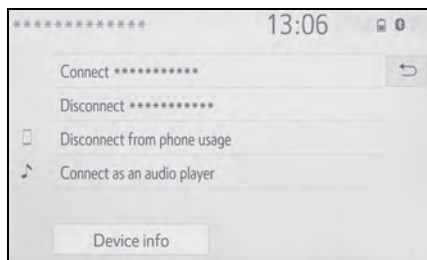
 : Phone/Smartphone collaboration \*

\*: With navigation function (This function is not available in some countries or areas.)

- The profile icon for a currently connected device will be displayed in colour.
- Selecting a profile icon which is not currently connected will switch the connection to the function.
- If a phone which is compatible with both the Toyota App Suite service and smartphone collaboration is registered, the Phone/Toyota App Suite service

icon will be displayed for the phone.

- If the desired Bluetooth® device is not on the list, select “Add new device” to register the device. (→P.41)
- 4 Select the desired connection.



- “Device info”: Select to confirm and change the Bluetooth® device information. (→P.42)
- When another Bluetooth® device is connected
- To disconnect the Bluetooth® device, select “Yes”.
- 5 Check that a confirmation screen is displayed when the connection is complete.
- If an error message is displayed, follow the guidance on the screen to try again.
- 
- It may take time if the device connection is carried out during Bluetooth® audio playback.
  - Depending on the type of Bluetooth® device being connected, it may be necessary to perform additional steps on the device.
  - When disconnecting a Bluetooth® device, it is recommended to discon-

nect using the system.

### Connecting a Bluetooth® device in a different way (from phone top screen)

→P.220

### Connecting a Bluetooth® device in a different way (from phone setup screen)

→P.233

### Connecting a Bluetooth® device in a different way (from Bluetooth® audio screen)

→P.133

### ■ Auto connection mode

To turn auto connection mode on, set “Bluetooth power” (“Bluetooth”) to on. (→P.43) Leave the Bluetooth® device in a location where the connection can be established.

- When the engine switch <power switch> is turned to ACC or ON, the system searches for a nearby registered device.
- The system will connect with the registered device that was last connected, if it is nearby. When automatic connection priority is set to on and there is more than one registered Bluetooth® phone available, the system will auto-



matically connect to the Bluetooth® phone with the highest priority. (→P.43)

### ■ Connecting manually

When the auto connection has failed or “Bluetooth power” (“Bluetooth”) is turned off, it is necessary to connect the Bluetooth® device manually.

- 1 Display the Bluetooth® settings screen. (→P.38)
- 2 Follow the steps in “Connecting a Bluetooth® device” from step 2. (→P.39)

### ■ Reconnecting the Bluetooth® phone

If a Bluetooth® phone is disconnected due to poor reception from the Bluetooth® network when the engine switch <power switch> is in ACC or ON, the system automatically reconnects the Bluetooth® phone.

### Registering a Bluetooth® device

Up to 5 Bluetooth® devices can be registered.

Bluetooth® compatible phones (HFP) and audio players (AVP) can be registered simultaneously.

This operation cannot be performed while driving.

- 1 Display the Bluetooth® settings screen. (→P.38)
- 2 Select “Add new device”.
  - ▶ When another Bluetooth® device is connected
    - To disconnect the Bluetooth® device, select “Yes”.
  - ▶ When 5 Bluetooth® devices have already been registered
    - A registered device needs to be replaced. Select “Yes”, and select the device to be replaced.
- 3 Follow the steps in “Registering a Bluetooth® phone for the first time” from step 5. (→P.34)

### Deleting a Bluetooth® device

This operation cannot be performed while driving.

- 1 Display the Bluetooth® settings screen. (→P.38)
- 2 Select “Remove device”.
- 3 Select the desired device.



- 4 Select “Yes” when the confirmation screen appears.

- 5 Check that a confirmation screen is displayed when the operation is complete.

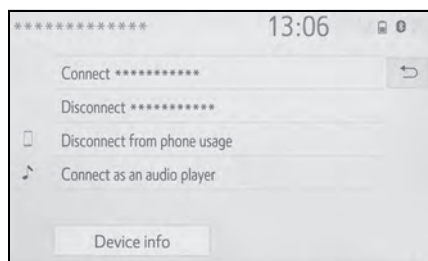
- When deleting a Bluetooth® phone, the contact data will be deleted at the same time.

### Editing the Bluetooth® device information

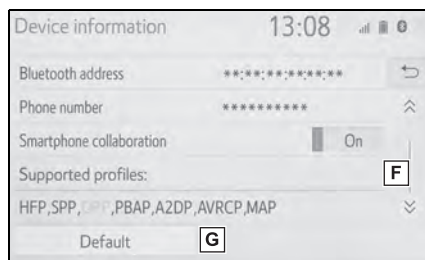
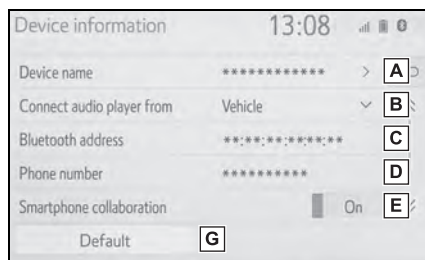
The Bluetooth® device's information can be displayed on the screen. The displayed information can be edited.

This operation cannot be performed while driving.

- 1 Display the Bluetooth® settings screen. (→P.38)
- 2 Select "Registered device".
- 3 Select the desired device to be edited.
- 4 Select "Device info".



- 5 Confirm and change the Bluetooth® device information.



- A** The name of the Bluetooth® device is displayed. It can be changed to a desired name. (→P.43)
- B** Select to set the Bluetooth® audio player connection method. (→P.43)
- C** Device address is unique to the device and cannot be changed.
- D** Phone number is unique to the Bluetooth® phone and cannot be changed.
- E** Select to set smartphone collaboration on/off.\*
- F** Compatibility profile is unique to Bluetooth® device and cannot be changed.
- G** Select to reset all setup items.

\*: With navigation function

- If 2 Bluetooth® devices have been registered with the same device name, the devices can be distinguished referring to the device's address.
- Depending on the type of Bluetooth® phone, some information may not be displayed.

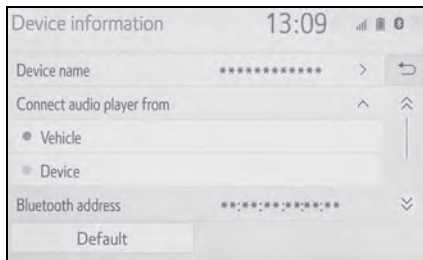
### Changing a device name

- 1 Select "Device name".
- 2 Enter the name and select "OK".

- Even if the device name is changed, the name registered in your Bluetooth® device does not change.

### Setting audio player connection method

- 1 Select "Connect audio player from".
- 2 Select the desired connection method.



"Vehicle": Select to connect the audio player from the vehicle's audio/visual system.

"Device": Select to connect the vehicle's audio/visual system from the audio player.

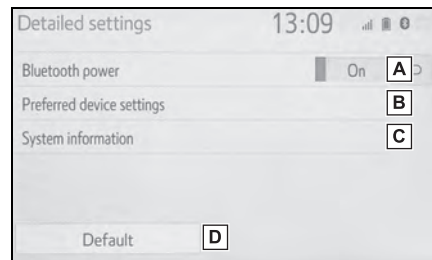
- Depending on the audio player,

the "Vehicle" or "Device" connection method may be best. As such, refer to the manual that comes with the audio player.

### "Detailed settings" screen

The Bluetooth® settings can be confirmed and changed.

- 1 Display the Bluetooth® settings screen. (→P.38)
- 2 Select "Detailed settings".
- 3 Select the desired item to be set.



- A** Select to set Bluetooth® connection on/off. (→P.43)
- B** Select to change the automatic connection priority of the registered Bluetooth® devices. (→P.44)
- C** Select to edit the system information. (→P.44)
- D** Select to reset all setup items.

### Changing "Bluetooth power" ("Bluetooth")

- 1 Select "Bluetooth power" ("Bluetooth").

When “Bluetooth power” (“Bluetooth”) is on:

The Bluetooth® device is automatically connected when the engine switch <power switch> is turned to ACC or ON.

When “Bluetooth power” (“Bluetooth”) is off:

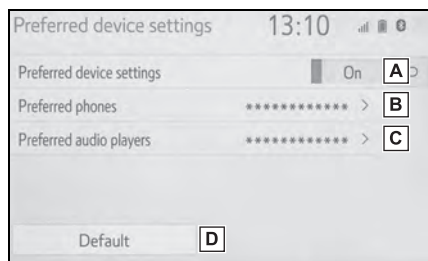
The Bluetooth® device is disconnected, and the system will not connect to it next time.

- While driving, the auto connection state can be changed from off to on, but cannot be changed from on to off.

### Setting automatic connection priority

The automatic connection priority of the registered Bluetooth® devices can be changed.

- 1 Select “Preferred device settings”.
- 2 Select the desired item to be set.



- A Select to set automatic connection priority on/off.
- B Select to change the automatic connection priority of the regis-

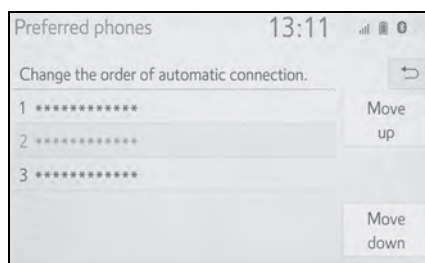
tered Bluetooth® phones. (→P.44)

- C Select to change the automatic connection priority of the registered Bluetooth® audio players. (→P.44)

- D Select to reset all setup items.

### Changing Bluetooth® device automatic connection priority

- 1 Select “Preferred phones” or “Preferred audio players”.
- 2 Select the desired Bluetooth® device and select “Move up” or “Move down” to change the preferred order.

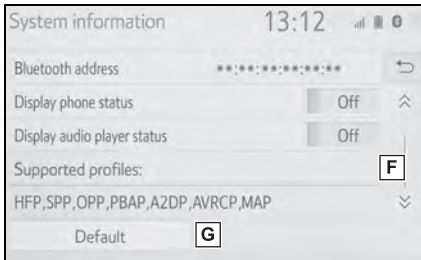
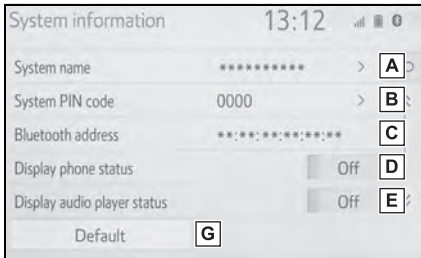


- A newly registered Bluetooth® device will automatically be given the highest automatic connection priority.

### Editing the system information

- 1 Select “System information”.

- 2 Select the desired item to be set.



- A** Displays system name. Can be changed to a desired name. (→P.45)
- B** PIN code used when the Bluetooth® device was registered. Can be changed to a desired code. (→P.45)
- C** Device address is unique to the device and cannot be changed.
- D** Select to set the connection status display of the phone on/off.
- E** Select to set the connection status display of the audio player on/off.
- F** Compatibility profile of the system
- G** Select to reset all setup items.

## ■ Editing the system name

- 1 Select "System name".
- 2 Enter a name and select "OK".

## ■ Editing the PIN code

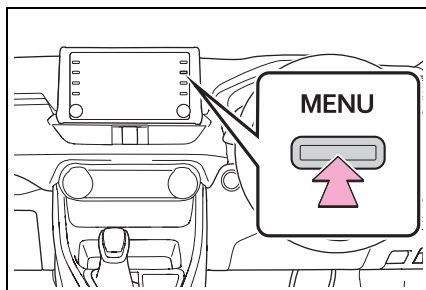
- 1 Select "System PIN code".
- 2 Enter a PIN code and select "OK".

## Connecting to Miracast® via Wi-Fi®

Using the Wi-Fi® function, this system can connect to Miracast®. But this function is not for connecting to internet. It's only for connecting to Miracast®.

## Displaying the Wi-Fi® settings screen

- 1 Press the "MENU" button.

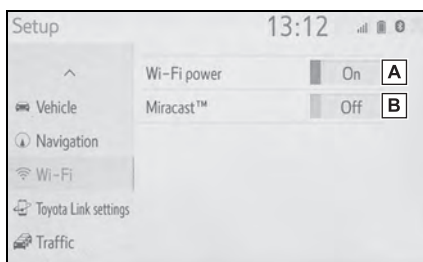


- 2 Select "Setup".
- 3 Select "Wi-Fi\*".
- 4 Select the desired items to be set.



\*: Wi-Fi® is a registered trademark of Wi-Fi Alliance®.

## Wi-Fi® settings screen



- A** Select to turn the Wi-Fi® function on/off. (→P.46)
- B** Displays status of the Miracast® connection.\*

"On": Connecting

"Off": Not connecting

\*: Miracast® status should be displayed only for Miracast® supported models.

## Turning Wi-Fi® function on/off

- 1 Display the Wi-Fi® settings screen. (→P.46)
  - 2 Select "Wi-Fi\* power" ("Wi-Fi\*").
- Each time it is selected, the "Wi-Fi\* power" ("Wi-Fi\*") is turned on/off.

\*: Wi-Fi® is a registered trademark of Wi-Fi Alliance®.

## Wi-Fi® function operating hints

- If the vehicle is near a radio antenna, radio station or other source of strong

radio waves and electrical noise, communication may be slow or impossible.



### WARNING

- Use Wi-Fi® devices only when safe and legal to do so.
- Your audio unit is fitted with Wi-Fi® antennas. People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the Wi-Fi® antennas. The radio waves may affect the operation of such devices.
- Before using Wi-Fi® devices, users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.

### Conditions displayed with Wi-Fi® icon

Reception level appears on the right upper side of the screen.  
(→P.16)

### Specifications

- Communication standards
  - IEEE 802.11b
  - IEEE 802.11g
  - IEEE 802.11n (2.4 GHz)

- Security
  - WPA2™

- WPA2™ is a trademark of Wi-Fi Alliance®.

## Apple CarPlay/Android Auto\*

\*: This function is not made available in some countries or areas.

**Apple CarPlay/Android Auto allows some applications, such as Map, Phone, and Music, to be used on the system.**

**When an Apple CarPlay/Android Auto connection is established, Apple CarPlay/Android Auto compatible applications will be displayed on the system display.**

- **Compatible device**

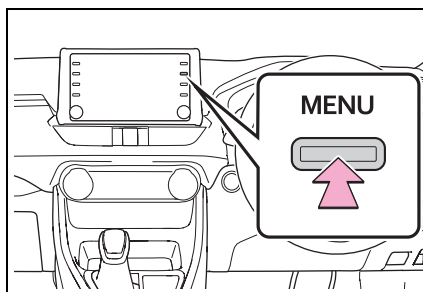
Apple iPhone (iOS Ver. 9.3 or later) that supports Apple CarPlay.\*

For details, refer to <https://www.apple.com/ios/carplay/>.

Android devices with Android OS ver 5.0 or higher which support Android Auto and have the Android Auto application installed. For details, refer to <https://www.android.com/auto/>.\*

\*: Some devices may not operate with this system.

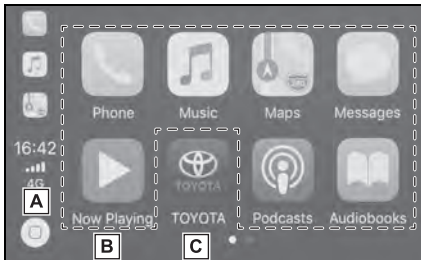
- 2 Connect the device to the USB port. (→P.118)
- 3 Select “Always Enable” or “Enable Once”.
  - If “Do not enable” is selected, an Apple CarPlay connection will not be established. In this case, the device can be operated as a normal Apple device, such as an iPod. Apple CarPlay will remain off until “Apple CarPlay” of “Projection settings” on the general settings screen is turned on. (→P.55)
  - Depending on the device connected, it may take approximately 3 to 6 seconds before the system returns to previous screen.
  - The screen may change to step 6 depending on the system.
- 4 Press the “MENU” button.



## Establishing an Apple CarPlay connection

- 1 Enable Siri on the device to be connected.



**5** Select “Apple CarPlay”.**6** Check that home screen of Apple CarPlay is displayed.

**A** Select to display the home screen of Apple CarPlay.  
Select and hold to activate Siri.

**B** Select to start the application.  
User can use any iPhone application supported by Apple CarPlay.

**C** Select to display the system screen.

### Establishing an Android Auto connection

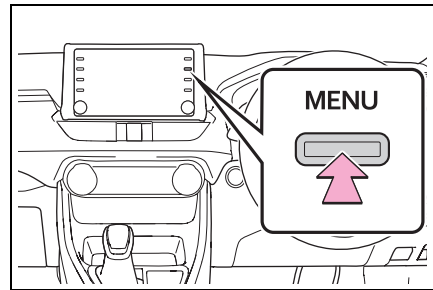
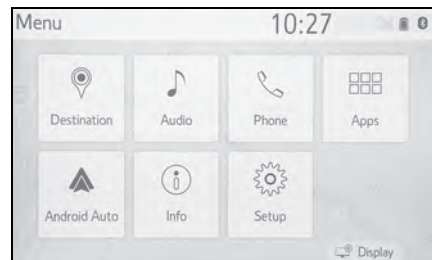
- 1** Check that the Android Auto application is installed to the device to be connected.
- 2** Connect the device to the USB port. (→P.118)

**3** Select “On” to enable the function.

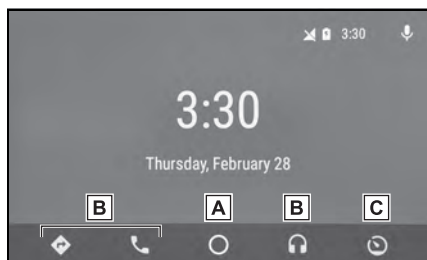
- “Off”: Select to not enable Android Auto. Android Auto will remain off until “Android Auto” of “Projection settings” on the general settings screen is turned on. (→P.55)

- Depending on the device connected, it may take approximately 3 to 6 seconds before the system returns to previous screen.

- The screen may change to step **6** depending on the system.

**4** Press the “MENU” button.**5** Select “Android Auto”.

- 6 Check that home screen of Android Auto is displayed.



- A** Select to display the home screen of Android Auto.
- B** Select to start the application. User can use any Android application supported by Android Auto.
- C** Select to display the system screen.

- When an Apple CarPlay/Android Auto connection is established, the function of some system buttons will change.
- When an Apple CarPlay/Android Auto connection is established, some system functions, such as the following, will be replaced by similar Apple CarPlay/Android Auto functions or will become unavailable:
  - iPod (Audio Playback)
  - USB audio/USB video
  - Bluetooth® audio
  - Bluetooth® phone (Apple CarPlay only)
  - Toyota App Suite\*

\*: This function is not made available in some countries or areas.

- When an Android Auto connection is established while using Miracast®, Miracast® may become unavailable.
- When an Apple CarPlay/Android Auto connection is established, voice com-

mand system (Siri/Google Assistant) and map application voice guidance volume can be changed by selecting "Voice Volume" on the voice settings screen. It cannot be changed by "POWER VOLUME" knob on audio control panel. (→P.58)

- Apple CarPlay/Android Auto is an application developed by Apple Inc/Google LLC. Its functions and services may be terminated or changed without notice depending on the connected device's operation system, hardware and software, or due to changes in Apple CarPlay/Android Auto specifications.
- For a list of the apps supported by Apple CarPlay or Android Auto, refer to their respective website.
- While using these functions, vehicle and user information, such as location and vehicle speed, will be shared with the respective application publisher and the cellular service provider.
- By downloading and using each application, you agree to their terms of use.
- Data for these functions is transmitted using the internet and may incur charges. For information about data transmission fees, contact your cellular service provider.
- Depending on the application, certain functions, such as music playback, may be restricted.
- As the applications for each function are provided by a third-party, they may be subject to change or discontinuation without notice. For details, refer to the website of the function.
- If the vehicle's navigation system is being used for route guidance and a route is set using the Apple CarPlay/Android Auto Maps app, route guidance will be performed through Apple CarPlay/Android Auto. If the Apple CarPlay/Android Auto Maps app is being used for route guidance and a route is set using the vehicle's navigation system, route

guidance will be performed by the vehicle's navigation system.

- If the USB cable is disconnected, operation of Apple CarPlay/Android Auto will end. At this time, sound output will stop and change to the system screen.

#### ■ Certification



##### ► Without navigation function

- Use of the Apple CarPlay logo means that a vehicle user interface meets Apple performance standards. Apple is not responsible for the operation of this vehicle or its compliance with safety and regulatory standards. Please note that the use of this product with iPhone, iPod, or iPad may affect wireless performance.
- CarPlay, iPhone, iPod, iPod nano, iPod touch, and Lightning are trademarks of Apple Inc., registered in the U.S. and other countries. Apple CarPlay is a trademark of Apple Inc.

##### ► With navigation function

- Use of the Apple CarPlay logo means that a vehicle user interface meets Apple performance standards. Apple is not responsible for the operation of this vehicle or its compliance with

safety and regulatory standards. Please note that the use of this product with iPhone or iPod may affect wireless performance.

- Apple CarPlay is a trademark of Apple Inc.

android  
auto

Android and Android Auto are trademarks of Google LLC.



#### WARNING

- Do not connect iPhone or operate the controls while driving.



#### NOTICE

- Do not leave your smartphone in the vehicle. In particular, high temperatures inside the vehicle may damage the smartphone.
- Do not push down on or apply unnecessary pressure to the smartphone while it is connected as this may damage the smartphone or its terminal.
- Do not insert foreign objects into the port as this may damage the smartphone or its terminal.

## Troubleshooting

If you are experiencing difficulties with Apple CarPlay/Android Auto, check the following table.

Symptom	Solution
An Apple CarPlay/Android Auto connection cannot be established.	<p>Check if the device supports Apple CarPlay/Android Auto.</p> <p>Check Apple CarPlay/Android Auto is enabled on the connected device.</p> <p>Check that the Android Auto application is installed to the device to be connected.</p> <p>For details, refer to <a href="https://www.apple.com/ios/carplay/">https://www.apple.com/ios/carplay/</a>, <a href="https://www.android.com/auto/">https://www.android.com/auto/</a>.</p> <p>For available countries or areas for Apple CarPlay, refer to <a href="https://www.apple.com/ios/feature-availability/#_apple_carplay">https://www.apple.com/ios/feature-availability/#_apple_carplay</a>.</p>
	Check if “Apple CarPlay”/“Android Auto” of “Projection settings” on the general settings screen is set to on. (→P.55)
	<p>Check if the USB cable being used is securely connected to the device and USB port.</p> <p>Try connecting the smartphone directly to the USB port in the vehicle, without using the hub.</p> <p>For Apple CarPlay: Check if the Lightning cable being used is certified by Apple and check if Siri is enabled.</p>
	After checking all of the above, try to establish an Apple CarPlay/Android Auto connection. (→P.55)
When an Apple CarPlay/Android Auto connection is established and a video is being played, the video is not displayed, but audio is output through the system.	As the system is not designed to play video through Apple CarPlay/Android Auto, this is not a malfunction.
Although an Apple CarPlay/Android Auto connection is established, audio is not output through the system.	The system may muted or the volume may be low. Increase the system volume.

Symptom	Solution
The Apple CarPlay/Android Auto screen has artifacts and/or audio from Apple CarPlay/Android Auto has noise.	Check if the USB cable being used to connect the device to the system is damaged. To check if the USB cable is damaged internally, connect the device to another system, such as a PC, and check if the device is recognized by the connected system. (The device should begin charging when connected.)
	After checking all of the above, try to establish an Apple CarPlay/Android Auto connection. (→P.55)
The map display of the Apple CarPlay Maps app cannot be enlarged or contracted with pinch multi-touch gestures.	As the Apple CarPlay Maps app is not compatible with pinch multi-touch gestures, this is not a malfunction.
During Apple CarPlay music application (Apple Music, Spotify, etc.) playback, if the iPhone is operated to start and play audio from an application that is not compatible with Apple CarPlay* and the onboard device volume is changed, the audio of the incompatible application stops and the system resumes playback of the original music application.	This operation is performed according to the specification of the onboard device, this is not a malfunction.
After interrupt audio (such as navigation route guidance) is played from an application that is not compatible with Apple CarPlay while the onboard device is playing audio (FM/AM, CD, etc.), the system does not resume playback of the original audio (FM/AM, CD, etc.).	This operation is performed according to the specification of the onboard device, this is not a malfunction. Manually change the audio source by yourself. Or, do not use applications that are not compatible with Apple CarPlay.* Due to some navigation applications are compatible from iOS 12, update to the latest iOS and application versions.

Symptom	Solution
When using Apple CarPlay, route guidance arrows and turn by turn navigation are not displayed on the multi-information display and system display. When using Android Auto, turn by turn navigation is not displayed on the multi-information display and system display.	This is not a malfunction as display of these items is not possible with this function.
When using Android Auto, hands-free call audio cannot be heard from the vehicle's speakers.	Disconnect the phone from the USB cable and check if hands-free call audio can be heard using the hands-free system.
	Connect the phone to the system using Android Auto, turn up the volume on the system and check if hands-free call audio can be heard. Check if other sounds can be heard from the vehicle's speakers.

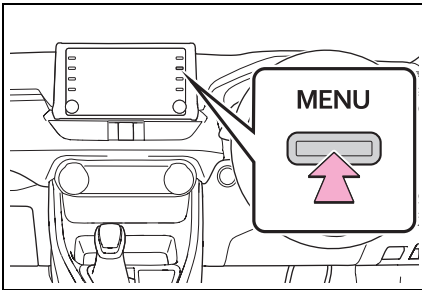
\*: Applications not compatible with Apple CarPlay are applications installed on the iPhone that are not displayed on the Apple CarPlay screen application list. (such as visual voicemail)

## General settings

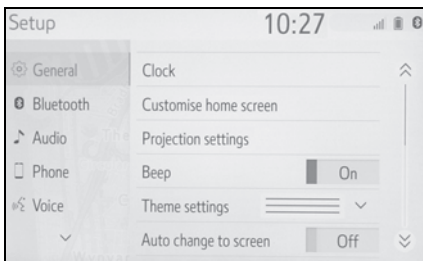
Settings are available for clock, operation sounds, etc.

### Displaying the general settings screen

- 1 Press the "MENU" button.



- 2 Select "Setup".
- If the general settings screen is not displayed, select "General".
- 3 Select the desired items to be set.



### General settings screen

- "Clock"

Select to change the time zone and select "On" or "Off" for daylight saving time, automatic adjustment of the clock, etc. (→P.56)

- "Customise home screen"

Select to customize the home screen. (→P.27)

- "Projection settings"

Select to set automatic Apple Car Play/Android Auto connection establishment on/off. (→P.57)

- "Beep"

Select to turn the beep sound on/off.

- "Theme settings"

Select to change the screen theme settings.

- "Units of measurement"

Select to change the unit of measure for distance\*/fuel consumption.

- "Auto change to screen"

Select to set automatic screen changes from the audio control screen to the home screen to on/off. When set to on, the screen will automatically return to the home screen from the audio control screen after 20 seconds.

- "Keyboard layout"

Select to change the keyboard layout.

- "Delete keyboard history"

Select to delete the keyboard history.

- "Memorise keyboard history"

Select to set the memorize keyboard history on/off.

- "Animation"

Select to set the animations on/off.

- "Delete personal data"

Select to delete personal data. (→P.57)

- "Software update"

Select to update software versions. For details, contact your Toyota dealer.

- “Software information”

Select to display the software information. Notices related to third party software used in this product are enlisted. (This includes instructions for obtaining such software, where applicable.)

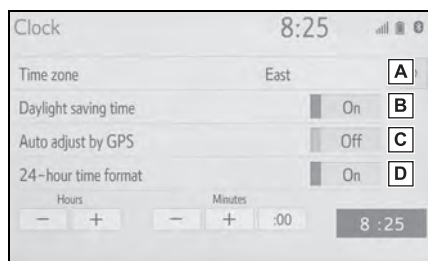
- “SW sensitivity level”

Select to change the capacitive touch screen button sensitivity to 1 (low), 2 (medium), or 3 (high).

\* : With navigation function

### Clock settings

- 1 Display the general settings screen. (→P.55)
- 2 Select “Clock”.
- 3 Select the desired items to be set.



- A** Select to change the time zone. (→P.56)
- B** Select to set daylight saving time on/off.
- C** Select to set automatic adjustment of the clock by GPS on/off. When set to off, the clock can be manually adjusted. (→P.56)
- D** Select to set the 24 hour time format on/off.

When set to off, the clock is displayed in 12 hour time format.

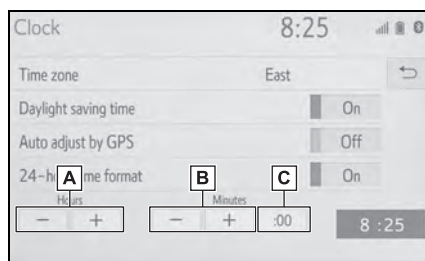
### Setting the time zone

- 1 Select “Time zone”.
  - 2 Select the desired time zone.
- If “Other” is selected, the zone can be adjusted manually. Select “+” or “-” to adjust the time zone.

### Manual clock setting

When “Auto adjust by GPS” is turned off, the clock can be manually adjusted.

- 1 Select “Auto adjust by GPS” to set to off.
- 2 Adjust the clock manually.



- A** Select “+” to set the time forward one hour and “-” to set the time back one hour.
- B** Select “+” to set the time forward one minute and “-” to set the time back one minute.
- C** Select to round to the nearest hour.  
e.g.  
1:00 to 1:29 → 1:00

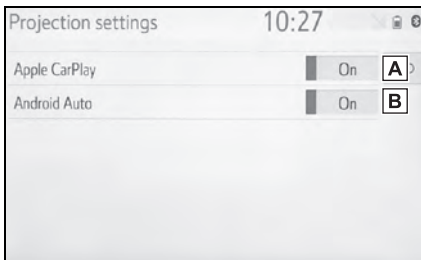


1:30 to 1:59 → 2:00

**Projection settings\***

\*: This function is not made available in some countries or areas.

- 1 Display the general settings screen. (→P.55)
- 2 Select "Projection settings".
- 3 Select the desired items to be set.



- A** Select to turn Apple CarPlay connection establishment on/off. Depending on the system, this setting cannot be changed when a device is connected to the system via USB. Disconnect the device before attempting to change the setting.
- B** Select to turn Android Auto connection establishment on/off. Depending on the system, this setting cannot be changed when a device is connected to the system via USB. Disconnect the device before attempting to change the setting.

**Deleting personal data**

Registered or changed personal settings will be deleted or returned to their default conditions.

- 1 Display the general settings screen. (→P.55)
- 2 Select "Delete personal data".
- 3 Select "Delete".
- 4 Select "Yes" when the confirmation screen appears.

Examples of settings that can be returned to their default conditions:

- Navigation settings\*
- Audio settings
- Phone settings

etc.

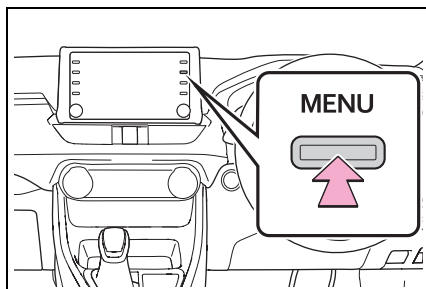
\*: With navigation function

## Voice settings

Voice volume, etc. can be set.

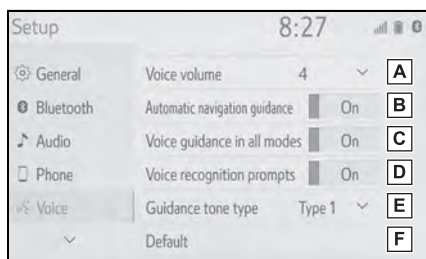
### Displaying the voice settings screen

- 1 Press the "MENU" button.



- 2 Select "Setup".
- 3 Select "Voice".
- 4 Select the desired items to be set.

### Voice settings screen



- A Select to adjust the volume of voice guidance.<sup>\*1</sup>
- B Select to set the voice guidance during route guidance on/off.<sup>\*2</sup>
- C Select to set the voice guidance

during audio/visual system use on/off.<sup>\*2</sup>

- D Select to set the voice recognition prompts on/off.
- E Select to set the beep sound of navigation guidance.<sup>\*2</sup>
- F Select to reset all setup items.

<sup>\*1</sup>: When an Apple CarPlay/Android Auto connection is established, speech command system (Siri/Google Assistant) and map application voice guidance volume can be changed.

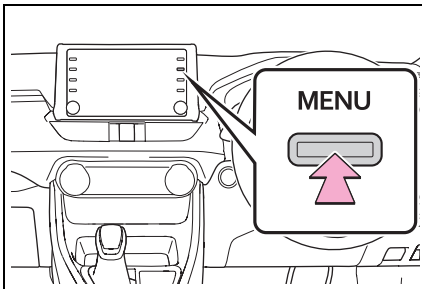
<sup>\*2</sup>: With navigation function

## Vehicle settings

Settings are available for maintenance, vehicle customization, etc.

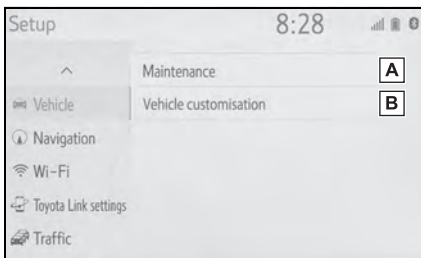
### Displaying the vehicle settings screen

- 1 Press the "MENU" button.



- 2 Select "Setup".
- 3 Select "Vehicle".
- 4 Select the desired items to be set.

### Vehicle settings screen



- Select to set maintenance.<sup>\*1</sup>  
(→P.60)
- Select to set vehicle customization.<sup>\*2</sup>

<sup>\*1</sup>: With navigation function

<sup>\*2</sup>: Refer to the "Owner's Manual"

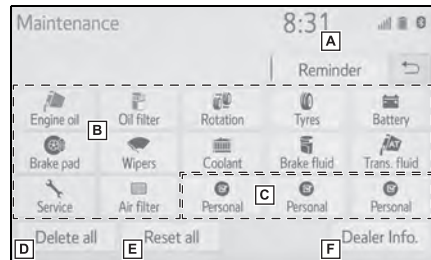
## Maintenance<sup>\*</sup>

<sup>\*</sup>: With navigation function

When the system is turned on, the maintenance reminder screen displays when it is time to replace a part or certain components.

(→P.24)

- 1 Display the vehicle settings screen. (→P.59)
- 2 Select "Maintenance".
- 3 Select the desired item.



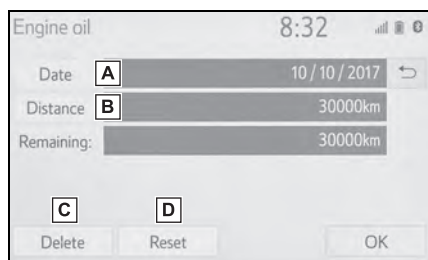
- The system is set to give maintenance information with the maintenance reminder screen.  
(→P.24)
- Select to set a reminder for a part or component. (→P.60)
- Select to add a reminder other than the provided ones.
- Select to cancel all reminders which have been entered.
- Select to reset all reminders which have expired.
- Select to register/edit dealer

information. (→P.60)

- When the vehicle needs to be serviced, the screen button colour will change to orange.

### Maintenance information setting

- 1 Select the desired part or component screen button.
- 2 Set the conditions.



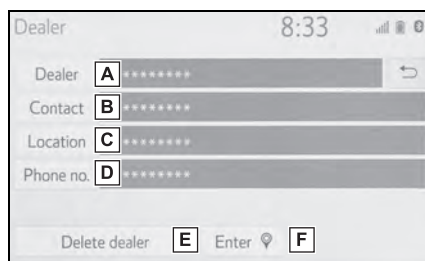
- 1 **A** Select to enter the next maintenance date.
- 2 **B** Select to enter the driving distance until the next maintenance check.
- 3 **C** Select to cancel the conditions which have been entered.
- 4 **D** Select to reset the conditions which have expired.
- 5 **3** Select "OK" after entering the conditions.

- For scheduled maintenance information, refer to "Warranty and Service Booklet".
- Depending on driving or road conditions, the actual date and distance that maintenance should be performed may differ from the stored date and distance in the system.

### Dealer setting

Dealer information can be registered in the system. With dealer information registered, route guidance to the dealer is available.

- 1 Select "Set dealer".
- 2 Select the desired item to search for the location. (→P.75)
- The editing dealer screen appears after setting the location.
- 3 Select the desired items to be edited.



- 1 **A** Select to enter the name of a dealer. (→P.61)
- 2 **B** Select to enter the name of a dealer member. (→P.61)
- 3 **C** Select to set the location. (→P.61)
- 4 **D** Select to enter the phone number. (→P.61)
- 5 **E** Select to delete the dealer information displayed on the screen.
- 6 **F** Select to set the displayed dealer as a destination. (→P.83)

**Editing dealer or contact name**

- 1 Select "Dealer" or "Contact".
- 2 Enter the name and select "OK".

**Editing the location**

- 1 Select "Location".
- 2 Scroll the map to the desired point (→P.68) and select "Enter".

**Editing phone number**

- 1 Select "Phone no.".
- 2 Enter the phone number and select "OK".



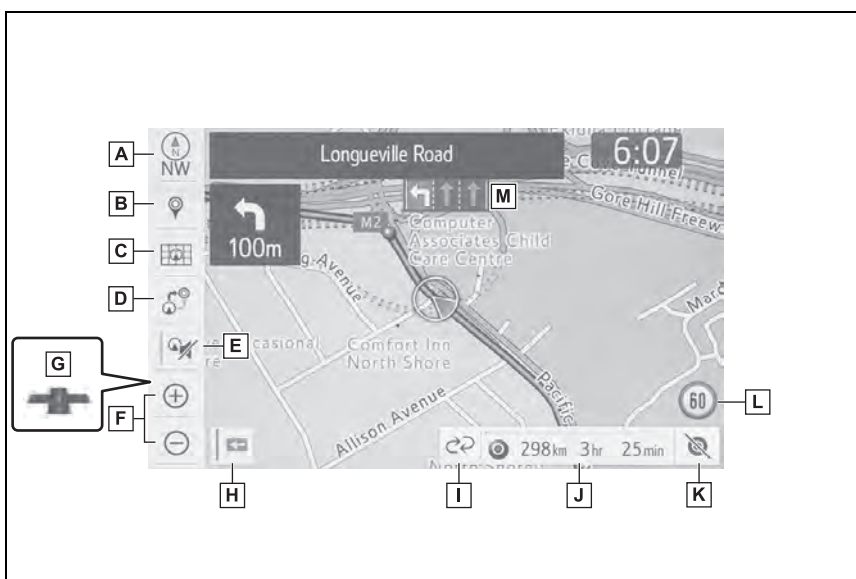
**3-1. Basic operation**Navigation..... **64**Map screen operation ..... **66**Map screen information ..... **69**Traffic information ..... **73****3-2. Destination search**Destination search operation  
..... **75**Starting route guidance ..... **82****3-3. Route guidance**Route guidance screen..... **86**Typical voice guidance prompts  
..... **90**Editing route ..... **91****3-4. Setup**Navigation settings ..... **94**Detailed navigation settings  
..... **100**Traffic settings ..... **106****3-5. Tips for the navigation system**GPS (Global Positioning System)  
..... **111**Map database version and covered area  
..... **113**

## Navigation\*

\*: With navigation function

**The navigation system indicates your present position and assists in locating a desired destination. To display the map screen, press the “MAP” button.**

### Map screen overview



- A** 2D north up, 2D heading up or 3D heading up symbol (→P.67)
  - Indicates whether the map orientation is set to north-up or heading-up. The letter(s) under this symbol indicate the vehicle's heading direction (e.g. N for north). In 3D map, only a heading-up view is available.
- B** Destination button (→P.75)
  - Select to display the destination screen.
- C** Map options button (→P.69)
  - Select to display the map options screen.
- D** Route options button (→P.91)
  - Select to display the route options screen.
- E** Mute button
  - Select to mute the voice guidance. When set to on, the indicator will illuminate.



**F** Zoom in/out button (→P.66)

- Select to magnify or reduce the map scale. When either button is selected, the map scale indicator bar appears at the bottom of the screen.

**G** Micro city map button (→P.66)

- Select to display the micro city map screen.

**H** One way mark display button (→P.66)

- Select to display one way mark.

**I** Route information change button (→P.86)

- Select to display the estimated travel time/arrival time to the destination or the traffic information.

**J** Route information bar (→P.86)

- Displays the distance to the destination and the estimated travel time/destination arrival time or traffic information. The route information bar fills from left to right as the vehicle progresses on the route.

**K** Delete destination button

- Select to delete destinations.

**L** Speed limit icon (→P.69)

- Indicates the speed limit on the current road when speed limit information is available. The display of the speed limit icon can be set to on/off.

**M** Lane guidance

- Displayed when lane information is available.

- 
- When the vehicle is not receiving GPS signals, such as when driving in a tunnel,



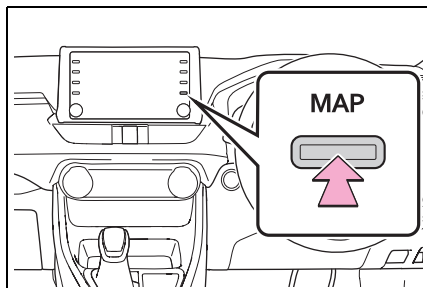
will be displayed at the bottom left corner of the screen.

- Press the "MAP" button to display the address of the current position on the map screen or repeat voice guidance.

## Map screen operation

### Current position display

- 1 Press the "MAP" button.





- 2 Check that the current position map is displayed.
    - To correct the current position manually: →P.102
- 
- While driving, the current position mark is fixed on the screen and the map moves.
  - The current position is automatically set as the vehicle receives signals from the GPS (Global Positioning System). If the current position is not correct, it is automatically corrected after the vehicle receives signals from the GPS.
  - After the 12-volt battery disconnection, or on a new vehicle, the current position may not be correct. As soon as the navigation system receives signals from the GPS, the correct current position is displayed.

## Map scale


- 1 Select  $\oplus$  or  $\ominus$  to change the scale of the map screen.




- The scale indicator bar appears at the bottom of the screen.
- Select and hold  $\oplus$  or  $\ominus$  to continue changing the scale of the map screen.
- The scale of the map screen can also be changed by selecting the scale bar directly. This function is not available while driving.
- Pinch outward on the screen to zoom in and pinch inward to zoom out.
- In areas where a micro city map is available,  $\oplus$  will change to  when the map screen is set to the smallest scale.
- When the map scale is at the minimum range, a one way street is displayed by . This is available when one way mark display button is set to on. (→P.64)


### Micro city map

For areas covered by the micro city map (some major cities), a micro city map on a scale of 25 m can be selected.

When the map is scaled down to 50 m,  $\oplus$  changes to  and can


be selected to display the micro city map.

- 1 Select  on the map screen.
- 2 Check that the micro city map is displayed.

- To return to the normal map display, select .
- If the map or the current position is moved to the area which is not covered by the micro city map, the screen scale automatically changes to 50 m.
- Scrolling the micro city map is not available while driving.
- Certification  
Building micro cities in the database were created and provided by TomTom.

### 3D suburb model map

A 3D suburb model map can be displayed for some areas in major cities when the map scale is 100 m or less on the 3D map screen.

- To display the normal map, select .
- The display of the 3D suburb model map can be set on/off. (→P.100)

### Rotating 3D map

3D map and 3D suburb model map can be rotated when arrows appear around the cursor while scrolling.

- 1 Select an arrow to rotate.



### Orientation of the map

The orientation of the map can be changed between 2D north-up, 2D heading-up and 3D heading-up by selecting the orientation symbol displayed at the top left of the screen.



: North-up symbol

Regardless of the direction of vehicle travel, north is always up.



: Heading-up symbol

The direction of vehicle travel is always up.



: 3D Heading-up symbol

The direction of vehicle travel is always up.

- The letter(s) under this symbol indicate the vehicle's heading direction (e.g. N for north).

### Map scroll operation

The map can be scrolled to view locations that are different than your current position.

- 1 Select the desired point on the map screen.

- Move the desired point on the centre of the map screen.



- A** Cursor mark
  - B** Distance from the current position to the cursor mark
  - C** Select to register as a memory point. To change the icon, name, etc.: →P.95
  - D** Select to set as a destination. (→P.82)
- The map screen can be scrolled by touching, dragging or flicking it. (→P.25)
  - Press the “MAP” button to return to the current position.

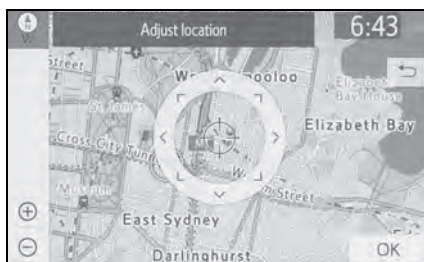
### Adjusting location in small increments

The cursor location can be adjusted in small increments. 8 directional arrows may appear in the following cases.

- When “Adjust location” is selected on the map screen
- When changing the location of memory points on the editing screen (→P.96, 99)
- When adjusting the current posi-

tion mark manually on the calibration screen (→P.102)


- 1 Select one of the 8 directional arrows to move the cursor to the desired point and then select “OK”.

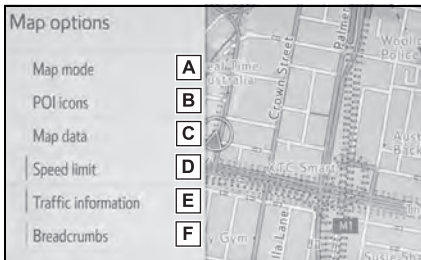


## Map screen information

Information such as POI icons, route trace, speed limit, etc. can be displayed on the map screen.

## Displaying the map options screen

- 1 Select  on the map screen.
- 2 Select the desired items to be displayed.




- A** Select to display the desired map mode. (→P.69)
- B** Select to select or change POI icons. (→P.70)
- C** Select to display the map version and coverage area. (→P.113)
- D** Select to display speed limit icon.
- E** Select to display traffic information.\* (→P.74)
- F** Select to display route trace. (→P.71)

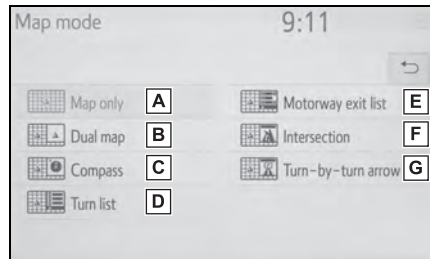
\*: This function is not made available in

some countries or areas.

- To hide the map options screen, touch any part of the map screen.

## Switching the map mode

- 1 Select  on the map screen. (→P.64)
- 2 Select "Map Mode".
- 3 Select the desired configuration button.



- A** Select to display the single map screen.
- B** Select to display the dual map screen. (→P.70)
- C** Select to display the compass mode screen. (→P.70)
- D** Select to display the turn list screen. (→P.89)
- E** Select to display the motorway exit list screen. (→P.87)
- F** Select to display the intersection guidance screen or the guidance screen on the motorway. (→P.89)
- G** Select to display the turn-by-turn

arrow screen. (→P.89)

- Depending on the conditions, certain screen configuration buttons cannot be selected.

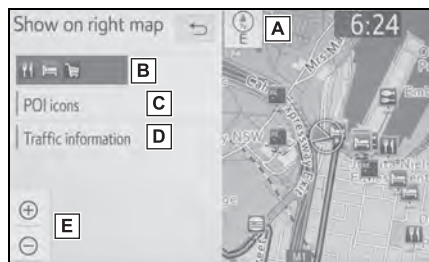
### Dual map

The map on the left is the main map. The right side map can be edited.

- 1 Select any point on the right side map.



- 2 Select the desired item.



- A Select to change the orientation of the map. (→P.67)
- B Select to display POI icons on the map screen. (→P.70)
- C Select to display POI icons.
- D Select to show traffic information.\* (→P.73)
- E Select to change the map scale.

(→P.66)


- \* This function is not made available in some countries or areas.

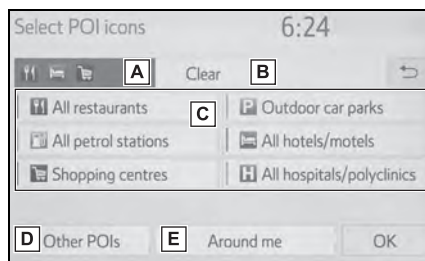
### Compass

Information about the destination, current position and a compass are displayed on the screen.

- The destination mark is displayed in the direction of the destination. When driving, refer to the longitude and latitude coordinates, and the compass, to make sure that the vehicle is headed in the direction of the destination.
- When the vehicle travels out of the coverage area, the guidance screen changes to the whole compass mode screen.

### Selecting the POI icons

- 1 Select  on the map screen.
- 2 Select "POI icons".
- 3 Select the desired POI category and select "OK".



- A Displays up to 5 selected POI icons on the map screen.
- B Select to cancel the selected POI icons.
- C Displays up to 6 POI icons as

favourite POI categories.

(→P.101) If a POI category is selected to be displayed on the map, its icon will be displayed above.

- D** Select to display other POI categories if the desired POIs cannot be found on the screen.  
(→P.71)

- E** Select to search for the nearest POIs. (→P.71)

### Selecting other POI icons to be displayed

- 1 Select "Other POIs".
- 2 Select the desired POI categories and select "OK".

"List all categories": Select to display all POI categories.

### Displaying the local POI list

POIs that are within 32 km of the current position will be listed from among the selected categories.

- 1 Select "Around me".
- 2 Select the desired POI.

"Sort/Search Area": Select to sort (distance, name, category) POIs or search area.

- Select "Near here" to search for POIs near the current position.
- Select "Along my route" to search for POIs along the route.
- Select "Web search" to search for POIs using online database.


(→P.249)

- 3 Check that the selected POI is displayed on the map screen.

### Route trace


The traveled route can be stored and retraced on the map screen. This feature is available when the map scale is 50 km or less.

### Start recording the route trace

- 1 Select  on the map screen.
- 2 Select "Breadcrumbs".
- The route trace starts.
- 3 Check that the traveled line is displayed.



### Stop recording the route trace

- 1 Select  on the map screen.
- 2 Select "Breadcrumbs" again.
- 3 A confirmation screen will be displayed.

"Yes": Select to keep the recorded route trace.

"No": Select to erase the recorded route trace.

- The traveled route can be stored up to

1000 km in each route trace.

### Displaying information about the icon where the cursor is set

When the cursor is placed over an icon on the map screen, the name is displayed at the top of the screen. If “Info” is shown to the right of the name, detailed information can be displayed.

- 1 Place the cursor over an icon.
- 2 Select “Info”.



- 3 Check that the information screen is displayed.

“Save”: Select to register as a memory point. To change the icon, name, etc.: →P.94

“Go”/“Enter”: Select to set as a destination.



: Select to call the registered number.

“Delete”: Select to delete destination or memory point.

“Edit”: Select to display the edit memory point screen.

- Even when traffic information is not currently being received, traffic information and “Info” will be displayed for

a while after traffic information has been received.

- In some situations, calls to a POI may automatically change to an international call or may not be possible as a domestic call.

### Standard map icons

Icon	Name
	Capital
	Suburb
	Green space/Park
	Airport
	Ferry terminal
	Hospital
	Golf
	Shopping mall
	Station
	Other

- Map icons may differ from the image that is actually displayed on the screen.



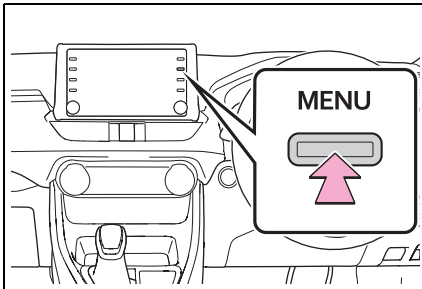
## Traffic information\*

\*: This function is not made available in some countries or areas.

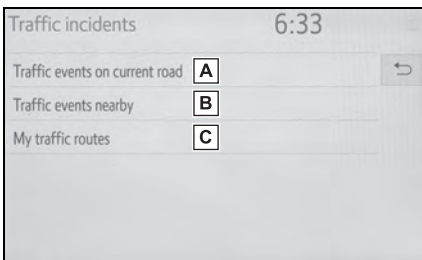
**Traffic data can be received via FM Radio broadcast to display traffic information on the map screen.**

## Displaying the traffic incidents screen

- 1 Press the "MENU" button.



- 2 Select "Information".
  - 3 Select "Traffic incidents".
  - 4 Select the desired item.
- When the route has not been set

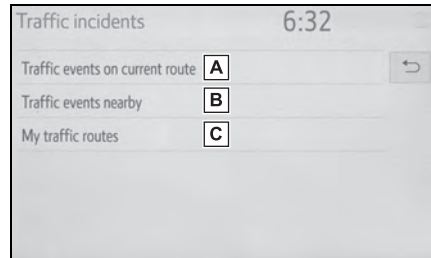


- A Select to display traffic information for the current road. (→P.73)

- B Select to display nearby traffic information. (→P.73)

- C Select to display traffic along the saved routes. (→P.74)

► When the route has been set



- A Select to display traffic information for the set route. (→P.73)

- B Select to display nearby traffic information. (→P.73)

- C Select to display traffic along the saved routes. (→P.74)

● If a large amount of information is being received, it may take longer than normal for the information to be displayed on the screen.

## Displaying traffic information

A list of current traffic information can be displayed along with information on the location of each incident.

- 1 Display the traffic incidents screen. (→P.73)
- 2 Select "Traffic events on current road", "Traffic events on current route" or "Traffic events nearby".

- 3 Select the desired traffic information.
- ▶ When “Traffic events nearby” is selected, depending on whether the traffic flow information is enabled/disabled, the following will be displayed:

When enabled: Traffic event and congestion information

When disabled: Traffic event information only

- 4 Check that the traffic information is displayed.

“Details”: Select to display detailed traffic information.

### My traffic routes

Traffic information along the saved routes can be displayed. To use this function, it is necessary to register a route. (→P.107)

- 1 Display the traffic incidents screen. (→P.73)
- 2 Select “My traffic routes”.
  - If map data has been updated, a confirmation screen will be displayed. Select “OK” or “Do not tell me again.”.
- 3 Select the desired route.


“Options”: Select to add, edit or delete personal traffic routes. (→P.107)

- If routes have not been registered yet, a confirmation screen will be displayed. Select “Yes” to register the route.
- 4 Select the desired traffic information.

- 5 Check that the traffic information is displayed.

“Details”: Select to display detailed traffic information.

### Displaying traffic information on the map

- 1 Select  on the map screen.
- 2 Select “Traffic information”.
- 3 Check that the traffic information is displayed.


- 
- The icons indicate traffic incidents such as construction, accidents, etc. Select an icon to hear more detail by voice.
  - The arrows indicate the flow of traffic. The colour changes depending on the speed.

## Destination search operation

### Destination search screen

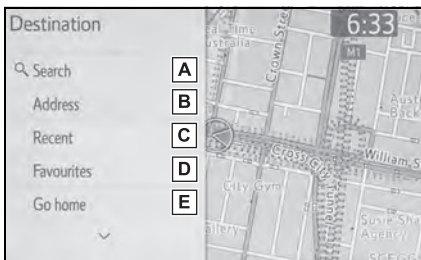
The destination screen enables to search for a destination. The destination screen can be reached by the following methods:

#### ■ From the map screen

- 1 Press the "MAP" button.
- 2 Select .
- 3 Follow the steps in "From the menu screen" from step 3. (→P.75)

#### ■ From the menu screen

- 1 Press the "MENU" button.
- 2 Select "Destination".
- 3 Select the desired search method.



- A** Select to search for a destination by entering keywords.

(→P.76)

- B** Select to search for a destination by address. (→P.76)
- C** Select to search for a destination from recent set destinations. (→P.77)
- D** Select to search for a destination from a registered entry in "Favourites". (→P.77)
- E** Select to set a destination by home. (→P.78)
- F** Select to search for a destination by point of interest. (→P.78)
- G** Select to search for a destination by online database. (→P.249)
- H** Select to search for a destination by coordinates. (→P.80)
- I** Select to search for a destination from emergency service points. (→P.80)

- To hide the destination screen, touch any part of the map screen.

### Selecting search area

The selected state (province) can be changed to set a destination from a different state (province) by using "Address" or "Point of interest".

- 1 Display the destination screen. (→P.75)
- 2 Select "Destination".

- 3 Select "Address" or "Point of interest".
- 4 Select "Change state".
- 5 Select the desired state (province).



- To change countries, select the "Australia" or "New Zealand" button.

### Searching by keyword

The destination can be searched by entering various keywords.

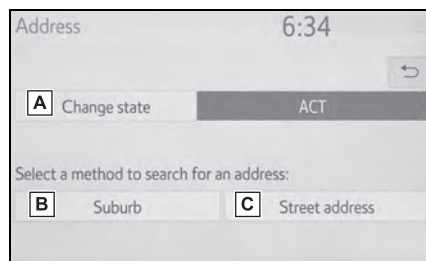
- 1 Display the destination screen. (→P.75)
- 2 Select "Search".
- 3 Enter characters on the keyboard.
- 4 Select "Search".
- ▶ When there is more than 1 result
- 5 Select the desired item from the list.

- A search term can be searched using only the body part of its name. For example: S WESTERN AVE
- A search can be performed by entering "S WESTERN AVE", "WESTERN AVE" or "WESTERN".

### Searching by address

There are 2 methods to search for a destination by address.

- 1 Display the destination screen. (→P.75)
- 2 Select "Address".
- 3 Select the desired search method.



- A Select to change the search area. (→P.75)
- B Select to search by suburb. (→P.76)
- C Select to search by street address. (→P.77)

### Searching by suburb

- 1 Select "Suburb".
- 2 Enter a suburb name and select "OK".
- "Option": Select to select a suburb in a different way. (→P.77)
- 3 Select the desired suburb name.
- 4 Enter a street name and select "OK".
- 5 Select the desired street name.

- 6 Enter a house number and select "OK".
- If multiple locations with the same address exist, the address list screen will be displayed. Select the desired address.

### Selecting a suburb in a different way

- 1 Select "Option".
- 2 Select the desired item.

"Postal code": Select to search for the desired suburb name by the postal code.

"Last 5 suburbs": Select to search for the desired suburb name from the list of the last 5 suburbs.

"Nearest 5 suburbs": Select to search for the desired suburb name from the list of the nearest 5 suburbs.

- 3 Select the desired suburb name.

### ■ By entering the postal code

- 1 Select "Postal code".
- 2 Enter the postal code and select "OK".
- 3 Select the desired postal code.

- If the navigation system has never been used, selecting the suburb name from "Last 5 suburbs" will not be available.

### Searching by street address

- 1 Select "Street address".
- 2 Enter a house number and select "OK".
- 3 Enter a street name and select "OK".

- 4 Select the desired street name.
- 5 Enter a suburb name and select "OK".
- 6 Select the desired suburb name.
- If multiple locations with the same address exist, the address list screen will be displayed. Select the desired address.

### Searching from recent destinations

- 1 Display the destination screen. (→P.75)
- 2 Select "Recent".
- 3 Select the desired destination.

"Sort/Delete": Select to sort (date, name) or delete destination(s).

- Up to 100 previously set destinations are displayed on the screen.

### Deleting recent destinations

- 1 Select "Sort/Delete".
- 2 Select "Delete recent destinations".
- 3 Select the desired recent destination(s) to be deleted.

"Sort/Delete all": Select to sort (date, name) destinations or delete all.

- 4 Select "Yes" when the confirmation screen appears.

### Searching by favourites list

To use this function, it is necessary to register a favourites list entry.

(→P.94)

- 1 Display the destination screen.  
(→P.75)
- 2 Select “Favourites”.
- 3 Select the desired favourites list entry.

### Setting home as destination

To use this function, it is necessary to register a home address.

(→P.94)

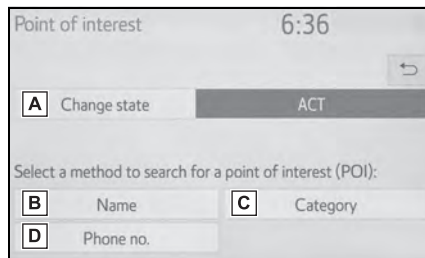
- 1 Display the destination screen.  
(→P.75)
- 2 Select “Go home”.
- The navigation system performs a search for the route and the route overview is displayed.  
(→P.83)

### Searching by point of interest

There are 3 methods to search for a destination by Points of Interest.

- 1 Display the destination screen.  
(→P.75)
- 2 Select “Point of interest”.

- 3 Select the desired search method.



- A** Select to change the search area. (→P.75)
- B** Select to search by name.  
(→P.78)
- C** Select to search by category.  
(→P.79)
- D** Select to search by phone number. (→P.80)

### Searching by name

- 1 Select “Name”.
  - 2 Enter a POI name and select “OK”.
  - 3 Select the desired POI.
- “Sort”: Select to sort (name, distance) the displayed entries, change the POI category, enter a suburb name, or use web search.
- When entering the name of a specific POI, and there are 2 or more sites with the same name, the list screen will be displayed. Select the desired POI.

### Selecting a suburb to search

- 1 Select “Sort”.

- 2 Select "Enter a suburb name".
  - 3 Enter a suburb name and select "OK".
- "Any suburb": Select to cancel the suburb setting.
- "Option": Select to select a suburb in a different way. (→P.77)
- 4 Select the desired suburb name.
  - 5 Select the desired POI.

### Selecting from the categories

- 1 Select "Sort".
- 2 Select "Change POI category".
- 3 Select the desired category.
  - If there is more than 1 result for the selected category, a detailed list will be displayed.

"List all categories": Select to display all POI categories.

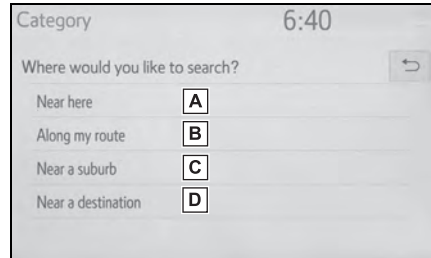
- 4 Select the desired POI.

### Searching for POI using web search

- 1 Select "Sort".
- 2 Select "Web search".
- 3 Select the desired search engine icon.
  - For the procedure on how to conduct a search via a search engine, follow the steps in "Setting a destination using Toyota App Suite" from step 3. (→P.250)

### Searching by category

- 1 Select "Category".
- 2 Select the desired search point.



- A** Select to search for POIs near your current position.
- B** Select to search for POIs along the set route.
- C** Select to search for POIs near a specific city centre. (→P.80)
- D** Select to search for POIs near a destination. When more than 1 destination has been set, a list will be displayed on the screen. Select the desired destination.

- 3 Select the desired POI category.
  - If there is more than 1 result for the selected category, a detailed list will be displayed.

"List all categories": Select to display all POI categories.

"Favourites POI categories": Select to use the 6 POIs that have been previously set. (→P.101)

- 4 Select the desired POI.

The arrow shows the direction to POI.

- The names of POIs located within approximately 320 km from the selected search point can be dis-

played.

### When “Near a suburb” is selected

- 1 Select “Near a suburb”.
- 2 Enter a suburb name and select “Search”.

“Option”: Select to select a suburb in a different way. (→P.77)

- 3 Select the desired suburb name.
- 4 Select “OK” when the suburb centre map screen is displayed.
- 5 Follow the steps in “Searching by category” from step 3. (→P.79)

### Searching by phone number

- 1 Select “Phone no.”.
- 2 Enter a phone number and select “OK”.
- If multiple locations with the same phone number exist, the list screen will be displayed.

### Searching by coordinates

Searching by latitude and longitude coordinates is available using both DMS format (for example: 12°34'56.7”), DEG format (for example: 12.34567) and DMM format (for example: 12°34.567”).

- 1 Display the destination screen. (→P.75)
- 2 Select “Coordinates”.

- 3 Enter the latitude and longitude, and select “OK”.

### Changing the coordinates format

- 1 Select “Coordinates Format”.
- 2 Select the desired coordinates format and select “OK”.

### Searching by emergency

- 1 Display the destination screen. (→P.75)
- 2 Select “Emergency”.
- 3 Select the desired emergency category.
- 4 Select the desired destination.

- The navigation system does not guide in areas where route guidance is unavailable. (→P.111)

### One-touch setting home/favourite as a destination

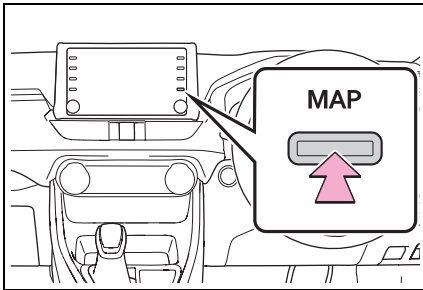
To use this function, it is necessary to register a home and/or a favourite location. Up to 2 favourites can be registered as preset destinations. (→P.94, 95)

To set the home or a preset destination as the destination, select the corresponding button.

- 1 Turn the engine switch <power switch> to ACC or ON.



## 2 Press the "MAP" button.



## 3 Select the desired item.



**A** Select to set a registered favourite as the destination. (Up to 2 favourites can be registered as preset destinations.)

**B** Select to set the registered home as the destination.

- The distance with estimated time of arrival to the registered home and preset destinations from the current position will be displayed.
- If the home or a preset destination has not been registered, "Set home" or "Set favourite" will be displayed, respectively. To register a home or preset destination, select the corresponding button.

- The one-touch buttons for home and

favourites will disappear after the vehicle has been driven for a while.

- The colour of the estimated arrival time indicator may change depending on the traffic information received.
- This function is available when "Automatic destination list info" is set to on. (→P.100)

## Searching by smartphone collaboration

The location received from a smartphone can be set as a destination. It is necessary to connect between the smartphone and the navigation system. (→P.39)

- 1 Operate the smartphone to search for the desired location.
- 2 Check that the confirmation screen is displayed and select "Yes".
- 3 Select "Go" to set as the destination

"Adjust location": Select to adjust the position in smaller increments. (→P.68)

"Info": Select to display information about the location.

"Save": Select to register as a memory point.

- If a destination has already been set, "Go directly" and "Add to route" will be displayed.

"Go directly": Select to delete the existing destination(s) and set a new one.

"Add to route": Select to add a destination.

- The navigation system performs a search for the route and the route overview is displayed.

(→P.83)

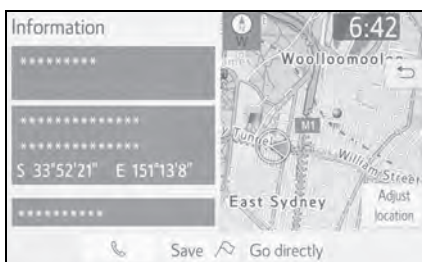
- The smartphone collaboration can be set to on/off. (→P.39)
- Contact your Toyota dealer about smartphones and applications for smartphone collaboration.

## Starting route guidance

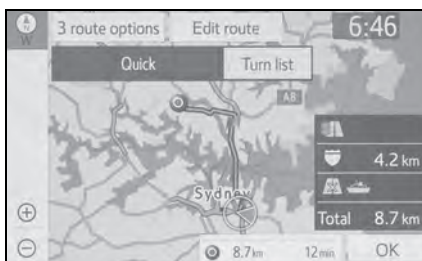
**When the destination is set, the confirm destination screen will be displayed.**

## Starting route guidance

- 1 Select “Go directly” on the confirm destination screen.



- For details about this screen:  
→P.83
- 2 Select “OK” on the route overview screen.



- For details about this screen:  
→P.83
- 
- The route for returning may not be the same as that for going.
  - The route guidance to the destination may not be the shortest route or a route without traffic congestion.
  - Route guidance may not be available if there is no road data for the speci-

fied location.

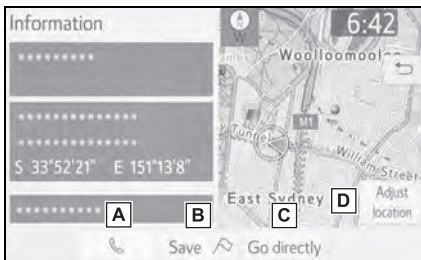
- When setting the destination on a map with a scale more than 800 m, the map scale changes to 800 m automatically. If this occurs, set the destination again.
- If a destination that is not located on a road is set, the vehicle will be guided to the point on a road nearest to the destination. The road nearest to the selected point is set as the destination.



### WARNING

- Be sure to obey traffic regulations and keep road conditions in mind while driving. If a traffic sign on the road has been changed, the route guidance may not indicate such changed information.

## Confirm destination screen

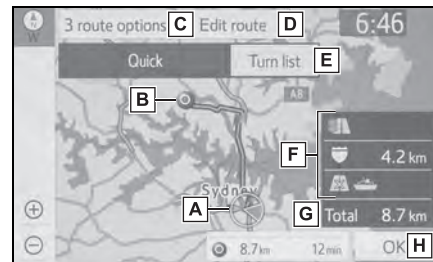


- A** Select to call the registered number.
  - B** Select to register as a memory point.
  - C** Select to search for the route. (→P.82)
    - If a destination has already been set, “Go directly” and “Add to route” will be displayed.
- “Go directly”: Select to delete the existing destination(s) and set a new one.

“Add to route”: Select to add a destination to the current route.

- D** Select to adjust the position in smaller increments. (→P.68)

## Route overview screen



- A** Current position
- B** Destination point
- C** Select the desired route from 3 possible routes. (→P.84)
- D** Select to change the route. (→P.85)
- E** Select to display a list of the turns required to reach the destination. (→P.84)
- F** Type of route and its distance
- G** Distance of the entire route
- H** Select to start guidance.  
Select and hold to start demo mode. (→P.83)

## Starting demo mode

Before starting the route guidance, the demonstration of the route guidance can be viewed.

- 1 Select and hold “OK” on the route overview screen until a beep sounds.
- Press the “HOME” or “MAP” button to end demo mode.

### 3 routes selection

- 1 Select “3 route options”.
- 2 Select the desired route.

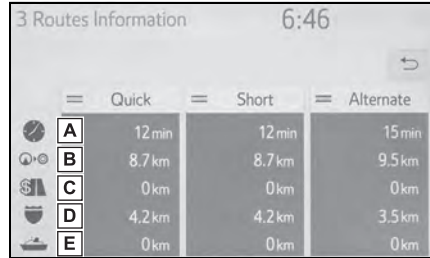


- A** Select to display the quickest route.
- B** Select to display the route that is the shortest distance to the set destination.
- C** Select to display the alternative route.
- D** Select to display the information about the 3 routes. (→P.84)

### Displaying 3 routes information

- 1 Select “Information”.

- 2 Check that the 3 routes information screen is displayed.

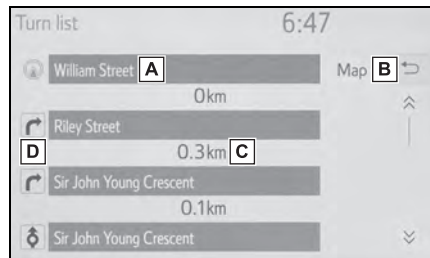


- A** Time necessary for the entire trip
- B** Distance of the entire trip
- C** Distance of the toll road
- D** Distance of the motorway
- E** Distance of the ferry trip

### Displaying turn list

A list of turn information from the current position to the destination can be displayed.

- 1 Select “Turn list”.
- 2 Check that the turn list is displayed.



- A** Current position
- B** Select to display the map of the selected point.

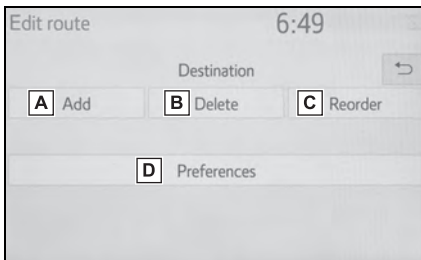
- C** Distance to the next turn
- D** Turn direction at the intersection

● Not all road names on the route may appear on the list. If a road changes its name without requiring a turn (such as on a street that runs through 2 or more cities), the name change will not appear on the list. The street names will be displayed in order from the starting point, along with the distance to the next turn or the destination.

### Editing route

Destinations can be added, reordered or deleted, and conditions for the route to the destination can be changed.

- 1 Select "Edit route".
- 2 Select the desired item.



- A** Select to add destinations. (→P.85)
- B** Select to delete destinations. (→P.85)
- C** Select to reorder destinations. (→P.91)
- D** Select to set route preferences. (→P.91)

### Adding destinations

- ▶ When the vehicle is stopped
  - 1 Select "Add".
  - 2 Search for an additional destination in the same way as a destination search. (→P.75)
- Up to 5 destinations can be set.
- 3 Select "Add destination here" at the position in the route which you want to add the destination.
- ▶ While driving
  - 1 Select "Add".
  - 2 Search for an additional destination in the same way as a destination search. (→P.75)
- Up to 5 destinations can be set.
- 3 Select "Beginning" or "End".

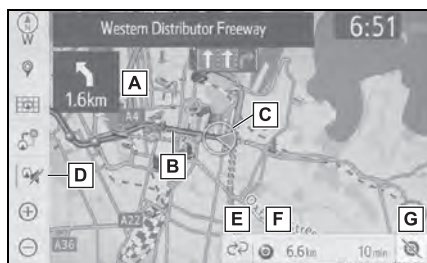
### Deleting destinations

- 1 Select "Delete".
  - 2 Select "Yes" when the confirmation screen appears.
- If more than 1 destination has been set, select the destination(s) to be deleted. (The navigation system will recalculate route(s) to the remaining set destination(s).)

## Route guidance screen

During the route guidance, various types of guidance screens can be displayed depending on conditions.

### Screen for route guidance



- A** Distance to the next turn and an arrow indicating the turning direction
- B** Guidance route
- C** Current position
- D** Select to mute the voice guidance.
- E** Route information change button (→P.86)
- F** Route information (→P.86)
- G** Select to delete destinations. (→P.21)

- If the vehicle goes off the guidance route, the route will be recalculated.
- For some areas, the roads have not been completely digitized in our database. For this reason, the route guidance may select a road that should not be traveled on.

- When the automatic zoom function is enabled, the map will automatically change to a detailed map as the vehicle approaches a guidance point.
- Vehicle with head-up display: When the head-up display is set to on, turn-by-turn guidance arrows will be displayed on the windshield.

### Changing route information

When the vehicle is on the guidance route, the route information bar displays the distance to the destination and the estimated travel time/destination arrival time or traffic information.

- 1 Select to change the display between the distance with the estimated travel/arrival time (→P.86) and the traffic information (→P.87).



### Distance and time to destination

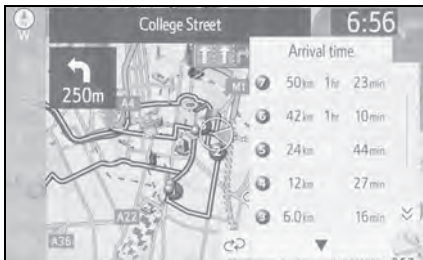
To use this function, it is necessary to select the distance with the estimated travel/arrival time for route information bar (→P.86).

- ▶ When the set destination is 1
- 1 Select the route information bar to change the display of the route information bar between

the estimated travel time and the estimated arrival time.



- When the set destinations are more than 1
  - 1 Select the route information bar.
  - 2 Check that the list of the distance and time is displayed.



“Arrival time”: Select to display the estimated arrival time.

“Time to dest.”: Select to display the estimated travel time.

- By selecting one of the number buttons, the desired route information is displayed.
- 
- When the vehicle is on the guidance route, the distance measured along the route is displayed. Travel time and arrival time are calculated based on the average speed of the specified speed limits and current traffic information.
  - When the vehicle gets off the guidance route, the arrow facing the destination is displayed instead of the estimated travel/arrival time.

- The route information bar fills from left to right as the vehicle progresses on the route.

### ■ Traffic information\*

When traffic information is received, the traffic information bar is displayed.

The colour of the bar indicates specific road conditions. Red indicates a traffic jam. Yellow indicates a crowded road. Green indicates a vacant road. White indicates other traffic regulations.

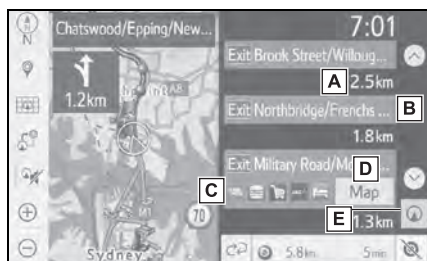
- 1 Select the route information change button (→P.86) to change the display of the route information bar.
  - 2 Check that the traffic information is displayed.
- When multiple destinations are set, traffic information are displayed up to the nearest destination area.

\*: This function is not available in some countries or areas.

### ■ During motorway driving

During motorway driving, the motorway information screen will be displayed.





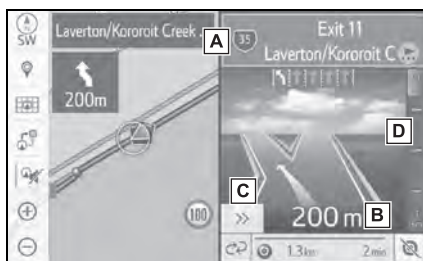
- A** Distance from the current position to the motorway exit/rest area.
- B** Name of the motorway exit/rest area.
- C** POIs that are close to a motorway exit
- D** Select to display the selected map of the exit vicinity.
- E** Select to display the nearest motorway exits/rest areas from the current position.

: Select to scroll to farther motorway exits/rest areas.

: Select to scroll to closer motorway exits/rest areas.

### When approaching motorway exit or junction

When the vehicle approaches an exit or junction, the motorway guidance screen will be displayed.

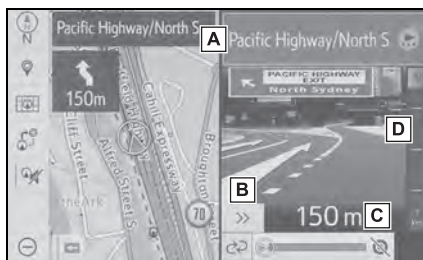


- A** Next exit or junction name
- B** Distance from the current position to the exit or junction
- C** Select to hide the motorway guidance screen.
  - To return to the motorway guidance screen, press the “MAP” button.
- D** Remaining distance bar to the guidance point

● This function is available when “Intersection zoom map” is set to on. (→P.100)

### When approaching junction

When the vehicle approaches a junction, the junction view with signage will be displayed.



- A** Next junction or street name
- B** Select to hide the real motorway junction view.



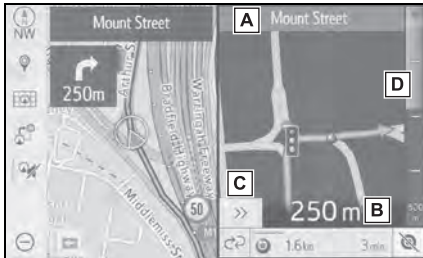
- To return to the real motorway junction view, press the “MAP” button.

- C** Distance from the current position to the next junction
- D** Remaining distance bar to the guidance point

- This function is available when “Intersection zoom map” is set to on. (→P.100)

### When approaching intersection

When the vehicle approaches an intersection, the intersection guidance screen will be displayed.

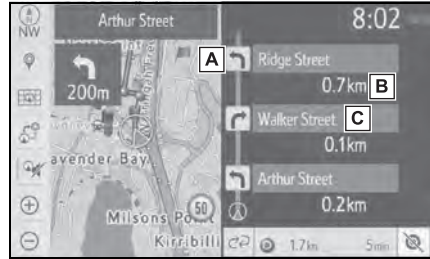


- A** Next street name
- B** Distance to the intersection
- C** Select to hide the intersection guidance screen.
- To return to the intersection guidance screen, press the “MAP” button.
- D** Remaining distance bar to the guidance point

- A hook turn guidance screen is displayed for nearby intersections.
- This function is available when “Intersection zoom map” is set to on. (→P.100)

### Turn list screen

- 1 Select “Turn list” on the map mode screen. (→P.69)
- 2 Check that the turn list screen is displayed.

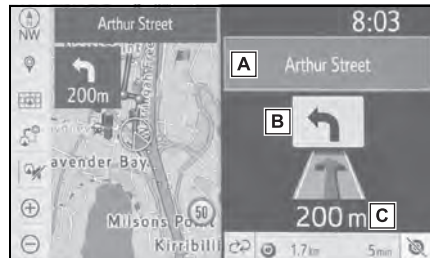


- A** Turn direction
- B** Distance between turns
- C** Next street or destination name

### Turn-by-turn arrow screen

On this screen, information about the next turn on the guidance route can be displayed.

- 1 Select “Turn-by-turn arrow” on the map mode screen. (→P.69)
- 2 Check that the turn list screen is displayed.

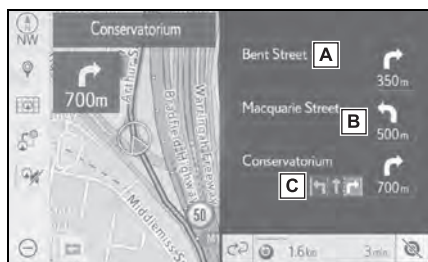


- A** Exit number and street name
- B** Turn direction

- C** Distance to the next turn

### Lane list screen

When using route guidance on roads with two or more lanes, and lane information is available on the map, the lane and direction can be displayed. The lane that you should drive in is highlighted.



- A** Next street or destination name
- B** Distance to the next turn and an arrow indicating the turning direction
- C** Lane guidance

### Typical voice guidance prompts

**As the vehicle approaches an intersection, or point, where maneuvering the vehicle is necessary, the navigation system's voice guidance will provide various messages.**


- If a voice guidance command cannot be heard, press the "MAP" button to hear it again.
- To adjust the voice guidance volume: →P.58
- To mute the voice guidance: →P.86
- Voice guidance may be made early or late.
- If the navigation system cannot determine the current position correctly, you may not hear voice guidance or may not see the magnified intersection on the screen.

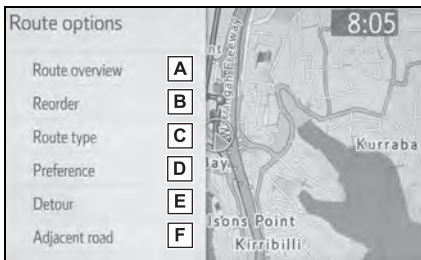
### **! WARNING**

- Be sure to obey the traffic regulations and keep the road condition in mind especially when you are driving on IPD roads (roads that are not completely digitized in our database). The route guidance may not have the updated information such as the direction of a one way street.

## Editing route

### Displaying the edit route screen


- 1 Select  on the map screen. (→P.64)
- 2 Select the desired item to be set.




- A** Select to display the overview of the entire route.
  - B** Select to reorder destinations. (→P.91)
  - C** Select to change route type. (→P.91)
  - D** Select to set route preferences. (→P.91)
  - E** Select to set detours. (→P.92)
  - F** Select to start from adjacent road. (→P.93)
- To hide the route options screen, touch any part of the map screen.
- 3 Check that the route overview is displayed. (→P.83)

## Reordering destinations

When more than 1 destination has been set, the arrival order of the destinations can be changed.


- 1 Select  on the map screen. (→P.64)
- 2 Select “Reorder”.
- 3 Select the desired destination and select “Move Up” or “Move Down” to change the arrival order. Then select “OK”.

## Selecting route type

- 1 Select  on the map screen. (→P.64)
- 2 Select “Route type”.
- 3 Select the desired route type.
  - The entire route from the starting point to the destination is displayed. (→P.83)
  - During driving, the route guidance starts after selecting the desired route type.

## Setting route preferences

The conditions to determine the route can be selected from various choices such as motorways, unsealed roads, 4WD tracks, etc.


- 1 Select  on the map screen. (→P.64)
- 2 Select “Preference”.

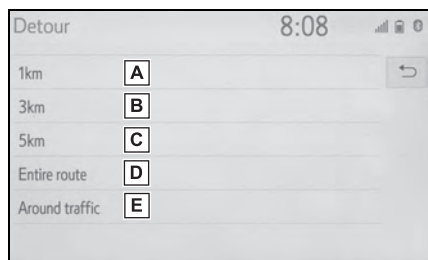
- 3 Select the desired route preferences and select "OK".
- To select "4WD Tracks", "Unsealed road" is required to be on. When "Unsealed road" is off, "4WD Tracks" will be dimmed.

- 
- Even if the "Motorways" route preference is turned off, the route may not be able to avoid motorway in some cases.
  - If the calculated route includes a trip by ferry, the route guidance shows a sea route. After traveling by ferry, the current position may be incorrect. Upon reception of GPS signals, it is automatically corrected.

### Detour setting

During the route guidance, the route can be changed to detour around a section of the route where a delay is caused by road repairs, an accident, etc.

- 1 Select  on the map screen. (→P.64)
- 2 Select "Detour".
- 3 Select the desired detour distance.



- A** Select to detour within 1 km of the current position.

- B** Select to detour within 3 km of the current position.

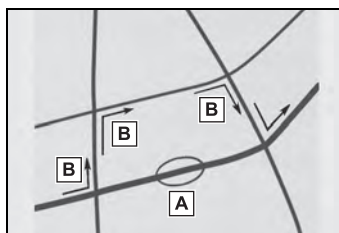
- C** Select to detour within 5 km of the current position.

- D** Select to detour on the entire route.

- E** Select to make the navigation system search for the route based on traffic congestion information received from traffic information.\* (→P.73)

\*: This function is not made available in some countries or areas.

- 
- This picture shows an example of how the navigation system would guide around a delay caused by a traffic jam.



- A** This position indicates the location of a traffic jam caused by road repairs, an accident, etc.


- B** This route indicates the detour suggested by the navigation system.

- When the vehicle is on a motorway, the detour distance selections are 5, 15 and 25 km if units are in km.
- The navigation system may not be able to calculate a detour route depending on the selected distance and surrounding road conditions.

### Adjacent road

When a motorway and a surface road run in parallel, the navigation system may show the guidance route going on the motorway while driving on the surface road, or vice versa.

If this happens, you can instantly choose the adjacent road for the route guidance.

- 1 Select  on the map screen.  
(→P.64)
- 2 Select “Adjacent road”.

---

● When there is no adjacent road, this screen button will not be displayed.

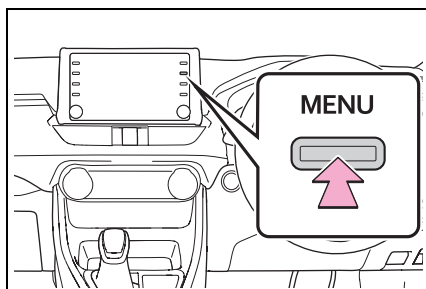
## Navigation settings

Home, favourites list entries, areas to avoid can be set as memory points. The registered points can be used as the destinations. (→P.75)

Registered areas to avoid, will be avoided when the navigation system searches for a route.

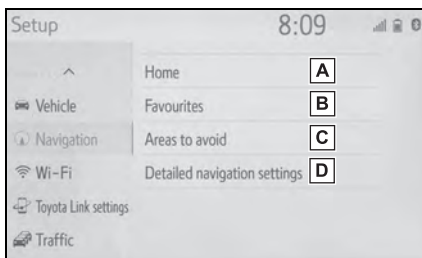
## Displaying navigation settings screen

- 1 Press the "MENU" button.



- 2 Select "Setup".
- 3 Select "Navigation".
- 4 Select the desired item to be set.

## Navigation settings screen

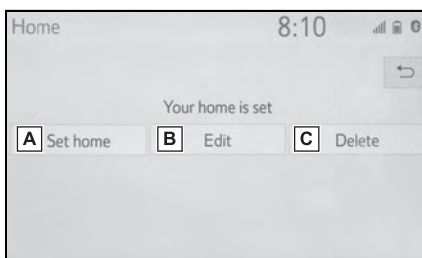


- A Select to set home. (→P.94)
- B Select to set the favourites list. (→P.95)
- C Select to set areas to avoid. (→P.98)
- D Select to set detailed navigation settings. (→P.100)

## Setting up home

If home has been registered, that information can be recalled by selecting "Go home" on the destination screen. (→P.75)

- 1 Display the navigation settings screen. (→P.94)
- 2 Select "Home".
- 3 Select the desired item to be set.



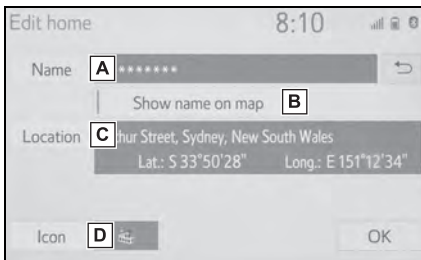
- A** Select to register home. (→P.95)
- B** Select to edit home. (→P.95)
- C** Select to delete home. (→P.95)

### Registering home

- 1 Select "Set home".
- 2 Select the desired item to search for the location. (→P.75)
- 3 Select "Enter" when the setting map screen appears.
- 4 Select "OK".

### Editing home

- 1 Select "Edit".
- 2 Select the desired item to be edited.



- A** Select to edit the home name. (→P.96)
- B** Select to set display of the home name on/off.
- C** Select to edit location information. (→P.96)
- D** Select to change the icon to be displayed on the map screen. (→P.96)

- 3 Select "OK".

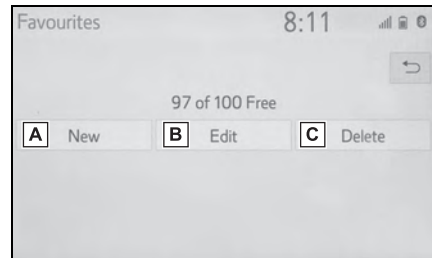
### Deleting home

- 1 Select "Delete".
- 2 Select "Yes" when the confirmation screen appears.

### Setting up favourites list

Points on the map can be registered.

- 1 Display the navigation settings screen. (→P.94)
- 2 Select "Favourites".
- 3 Select the desired item.



- A** Select to register favourites list entries. (→P.95)
- B** Select to edit favourites list entries. (→P.96)
- C** Select to delete favourites list entries. (→P.97)

### Registering favourites list entries

- 1 Select "New".
- 2 Select the desired item to search for the location. (→P.75)

- 3 Select "Enter" when the setting map screen appears.
- 4 Select "OK" when the editing favourites list screen appears. (→P.96)

- Up to 100 favourites list entries can be registered.

### Editing favourites list entries

The icon, name, location and/or phone number of a registered favourite list entry can be edited.

- 1 Select "Edit".
- 2 Select the desired favourites list entry.
- Each time a star icon is selected, its colour will change. Coloured star icons indicate that the favourite is registered to the corresponding preset destination button. Up to 2 entries can be registered as quick favourite destinations. (→P.80)

"Sort/Group filter": Select to sort (date, name, icon, star) favourite list entries or display the desired group items in the favourite list entries. (→P.97).

- 3 Select the desired item to be edited.

- A Select to edit the favourites list entry name. (→P.96)
- B Select to set display of the favourites list entry name on/off.
- C Select to edit location information. (→P.96)
- D Select to edit the phone number. (→P.96)
- E Select to change the icon to be displayed on the map screen. (→P.96)
- F Select to register group. (→P.97)
- 4 Select "OK".

### Changing the name

- 1 Select "Name".
- 2 Enter a name and select "OK".

### Changing the location

- 1 Select "Location".
- 2 Scroll the map to the desired point (→P.68) and select "OK".

### Changing phone number

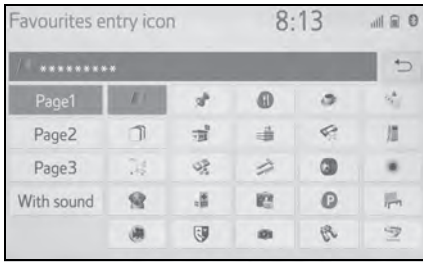
- 1 Select "Phone #".
- 2 Enter the phone number and select "OK".

### Changing the icon

- 1 Select "Icon".



## 2 Select the desired icon.



“Page 1”/“Page 2”/“Page 3”: Select to change pages.

“With sound”: Select the desired icons with sound.

### ■ When “With sound” is selected

A sound for some favourites list entries can be set. When the vehicle approaches the location of the favourites list entry, the selected sound will be heard.

- 1 Select “With sound”.
- 2 Select the desired sound icon.



: Select to play the sound.

- When “Bell (with direction)” is selected, select an arrow to adjust the direction and select “OK”.
- The bell sounds only when the vehicle approaches this point in the direction that has been set.

### Setting the group

Memory point groups can be set and changed.

- 1 Select “Group”.
- 2 Select the group the memory point is to be registered with.

### ■ To register a new group

- 1 Select “Edit group”.
- 2 Select “New group”.
- 3 Enter the group name and select “OK”.

### ■ To edit group name

- 1 Select “Edit group”.
- 2 Select “Edit name”.
- 3 Select the group to be edited.
- 4 Enter the group name and select “OK”.

### ■ To delete group

- 1 Select “Edit group”.
- 2 Select “Delete”.
- 3 Select the group to be deleted.
- 4 Select “Yes” when the confirmation screen appears.

### Deleting favourites list entries

- 1 Select “Delete”.
- 2 Select the desired item to be deleted.

“Sort/Delete all”: Select to sort (date, name, icon) or delete all favourite list entries.

- 3 Select “Yes” when the confirmation screen appears.

### Refine by group

It is possible to display the desired group items in the favourites list.

- 1 Select “Sort/Group filter”.
- 2 Select “Group Refine”.

- The list of memory points that are registered in the selected group will be displayed.

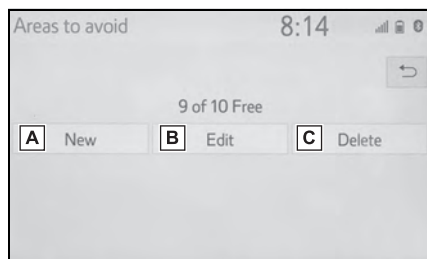
“Cancel group filter”: Select to close the displayed items, and display all groups.

- 3 Select the desired group.

### Setting up areas to avoid

Areas to be avoided because of traffic jams, construction work or other reasons can be registered as “Areas to avoid”.



- 1 Display the navigation settings screen. (→P.94)
- 2 Select “Areas to avoid”.
- 3 Select the desired item.



- A** Select to register areas to avoid. (→P.98)
- B** Select to edit areas to avoid. (→P.98)
- C** Select to delete areas to avoid. (→P.99)

### Registering areas to avoid

- 1 Select “New”.
- 2 Select the desired item to search for the location. (→P.75)

- 3 Select “Enter” when the setting map screen appears.
- 4 Select either  or  to change the size of the area to be avoided and select “OK”.



- 5 Select “OK” when the area to avoid screen appears.

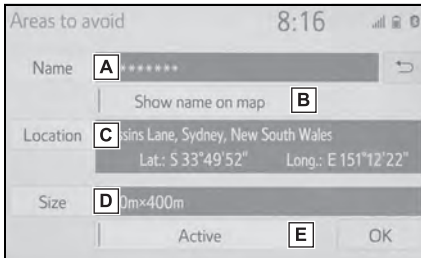
- If a destination is entered in the area to avoid or the route calculation cannot be made without running through the area to avoid, a route passing through the area to be avoided may be shown.
- Up to 10 locations can be registered as points/areas to avoid.

### Editing areas to avoid

The name, location and/or area size of a registered area can be edited.

- 1 Select “Edit”.
- 2 Select the desired area.

- 3 Select the desired item to be edited.



- A Select to edit the name of the area to avoid. (→P.99)
  - B Select to set display of the area to avoid name on/off.
  - C Select to edit area location. (→P.99)
  - D Select to edit area size. (→P.99)
  - E Select to set the area to avoid function on/off.
- 4 Select "OK".

### Changing the name



- 1 Select "Name".
- 2 Enter a name and select "OK".

### Changing the location

- 1 Select "Location".
- 2 Scroll the map to the desired point (→P.68) and select "OK".

### Changing the area size

- 1 Select "Size".

- 2 Select either  or  to change the size of the area to be avoided and select "OK".

### Deleting areas to avoid

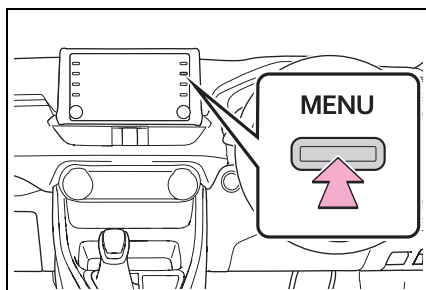
- 1 Select "Delete".
- 2 Select the desired area to be deleted.
- 3 Select "Yes" when the confirmation screen appears.

## Detailed navigation settings

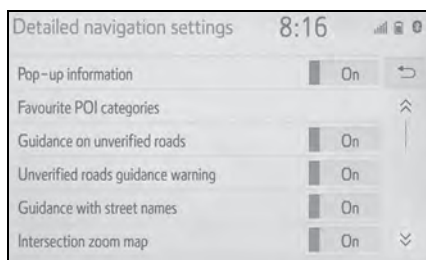
Settings are available for pop-up information, favourite POI categories, low fuel warning, etc.

## Displaying the detailed navigation settings screen

- 1 Press the "MENU" button.



- 2 Select "Setup".
- 3 Select "Navigation".
- 4 Select "Detailed navigation settings".
- 5 Select the desired items to be set.



## Detailed navigation settings screen

- "Pop-up information"

Select to set display of pop-up information on/off.

- "Favourite POI categories"

Select to set favourite POI categories that are used for POI selection to display on the map screen. (→P.101)

- "Guidance on unverified roads"

Select to set IPD road (roads that are not completely digitized in our database) guidance on/off.

- "Unverified roads guidance warning"

Select to set unverified roads guidance warning on/off.

- "Guidance with street names"

Select to set the voice guidance for the next street name on/off.

- "Intersection zoom map"

Select to set display of a guidance screen on/off.

- "Automatic zoom"

Select to set automatic zoom function on/off. When it is enabled, as the vehicle approaches a guidance point, the map will change to a detailed map automatically.

- "Map colour customisation"

Select to set the map display colour.

- "Map animation"

Select to set the map animations on/off.

- "Reset adaptive route"

Select to delete adaptive route.

- "Calibration"

Select to adjust the current position mark manually or to adjust miscalculation of the distance caused by tyre replacement. (→P.102)

- “3D suburb model map”

Select to set display of the 3D suburb model map on/off.

- “Guidance level for petrol stations”

Select to set display of low fuel warning. (→P.102)

- “My memory”

Select to set my memory settings. (→P.103)

- “Speed limit display”

Select to set speed limit information on/off.

- “Speed limit settings”

Select to set the speed limit warning message on/off and to set the speed threshold over which the speed limit warning message will be displayed. (→P.103)

- “Time restriction notification”

Select to set time restriction notification on/off.

- “Private road notification”

Select to set private road notification on/off.

- “Automatic destination list info”

Select to set automatic destination list information on/off. When set to on, the distance with estimated time of arrival to the registered home and preset destinations from the current position will be displayed.

- “Adaptive route”

Select to set adaptive route function

on/off. When set to on, the routes which are often passed through are taken into account in case of searching the route.

- “Driver support information”

Select to set driver support information on/off. (→P.103)

- “Safety zone”

Select to set the safety zone display on the map screen on/off.

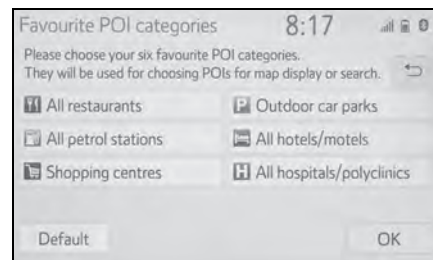
- “Restore default settings”

Select to reset all setup items.

### Favourite POI categories (Select POI icons)

Up to 6 POI icons, which are used for selecting POIs on the map screen, can be selected as favourites.

- 1 Display the detailed navigation settings screen. (→P.100)
- 2 Select “Favourite POI categories”.
- 3 Select the desired category to be changed.



“Default”: Select to set the default categories.

- 4 Select the desired POI category.

“List all categories”: Select to display all POI categories.

- 5 Select the desired POI icon.
- 6 Select "OK".

### Low fuel warning

When the fuel level is low, a warning message will pop up on the screen.

- 1 Display the detailed navigation settings screen. (→P.100)
- 2 Select "Guidance level for petrol stations".
- 3 Select "150km", "100km", "50km" or "Off".

### Searching gas station in low fuel warning

A nearby gas station can be selected as a destination when the fuel level is low.

- 1 Select "List" when the low fuel warning appears.
- 2 Select the desired nearby gas station.
- 3 Select "Enter" to set as a destination.

"Info": Select to display gas station information. (→P.72)

### Current position/Tyre change calibration

The current position mark can be adjusted manually. Miscalculation of the distance caused by tyre replacement can also be adjusted.

- 1 Display the detailed navigation settings screen. (→P.100)
- 2 Select "Calibration".
- 3 Select the desired item.
  - For additional information on the accuracy of a current position: →P.111

### Position/Direction calibration

When driving, the current position mark will be automatically corrected by GPS signals. If GPS reception is poor due to location, the current position mark can be adjusted manually.

- 1 Select "Position/Direction".
- 2 Scroll the map to the desired point (→P.68) and select "OK".
- 3 Select an arrow to adjust the direction of the current position mark and select "OK".

### Tyre change calibration

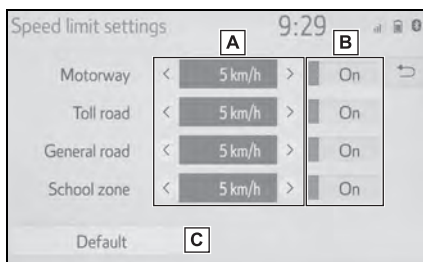
The tyre change calibration function will be used when replacing the tyres. This function will adjust miscalculation caused by the circumference difference between the old and new tyres.

- 1 Select "Tyre change".
  - The quick distance calibration starts automatically.
- If this procedure is not performed when the tyres are replaced, the current position mark may be incorrectly displayed.

### Speed limit settings

The speed limit warning message can be set to be displayed depending on the road type. Additionally, the speed threshold over which the speed limit warning message will be displayed can be set to between -5 km/h and +20 km/h of the detected speed limit.

- 1 Display the detailed navigation settings screen. (→P.100)
- 2 Select “Speed limit settings”.
- 3 Select the desired item.



- A** Select “<” or “>” to set the speed threshold over which the speed limit warning message will be displayed.
- B** Select to set speed limit warning message on/off.
- C** Select to reset all setup items.

### Driver support information

Driver support information can be set to alert when approaching areas such as “School zone”, “Railway crossing”, “High accident zone”, etc.

- 1 Display the detailed navigation settings screen. (→P.100)
- 2 Select “Driver support information”.
- 3 Select the desired item to be set.



“Default”: Select to reset all setup items.

- When set to on, the following warnings will be made:  
First warning is made by a chime, followed by a voice warning when approaching within 300 meters of a point of the set item (400 meters on motorways) with the warning icon on the screen.  
Second warning is made by a chime only, when approaching within 50 meters of the point.

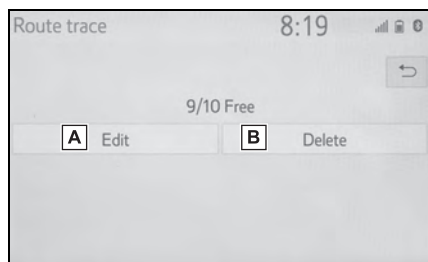
### My memory settings

#### Editing or deleting route traces

Route traces (→P.71) can be edited or deleted.

- 1 Display the detailed navigation settings screen. (→P.100)
- 2 Select “My memory”.
- 3 Select “Route trace”.

- 4 Select the desired item.

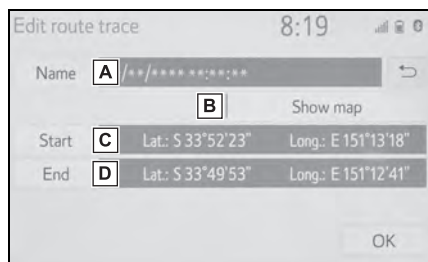


- A** Select to edit route traces.  
(→P.104)
- B** Select to delete route traces.  
(→P.104)

### Editing route traces

The route trace name can be edited and start and end points can be confirmed.

- 1 Select "Edit".
- 2 Select the desired route trace.
- 3 Select the desired item.



- A** Select to edit route trace names.  
(→P.104)
- B** Select to display registered route traces on the map screen.
  - When set to on, the indicator will illuminate.
- C** Select to confirm the start point

on the map screen.

- D** Select to confirm the end point on the map screen.

- 4 Select "OK".

### Changing the name

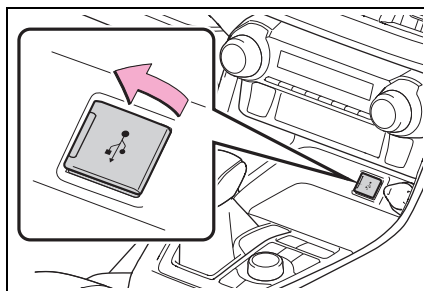
- 1 Select "Name".
- 2 Enter the desired name and select "OK".

### Deleting route traces

- 1 Select "Delete".
- 2 Select the route trace to be deleted and select "Delete".
- 3 Select "Yes" when the confirmation screen appears.

### Import/Export memory points

- 1 Open the lid and connect a device.



- Turn on the power of the USB memory if it is not turned on.
- 2 Display the detailed navigation settings screen. (→P.100)
  - 3 Select "My memory".
  - 4 Select the desired item.



"Backup to USB": →P.105

"Copy from USB": →P.105

### Backup to a USB memory\*

\*: This function is not made available in some countries or areas.

Memory points registered in the navigation system can be copied to a USB memory.

A password must first be set in order to back up data. (→P.105)

- Exporting memory point data is for your back-up use only and distribution or usage in other system is strictly prohibited.

- 1 Select "Backup to USB".
- 2 Select "Start backup".

"Set password": Select to set a password. (→P.105)

- 3 Enter the password and select "OK".
- 4 Check that a progress bar is being displayed while the data backup is in progress.
- To cancel this function, select "Cancel".
- 5 Check that a confirmation screen is displayed when the operation is complete.



#### NOTICE

- Do not connect or disconnect the USB memory during the backup to the USB memory. If you do not abide by this, the USB memory may result in a malfunction.

### Setting password

Once a password has been set, it will be requested not only to back up data, but also when copying memory points from a USB memory to the navigation system.

- 1 Select "Set password".
- 2 Enter a password and select "OK".
- 3 For confirmation, re-enter the password.

- If you have forgotten the password:
  - It is necessary to initialize personal data using "Delete personal data". (→P.55)
  - Contact your Toyota dealer.

### Copying from a USB memory\*

\*: This function is not made available in some countries or areas.

Memory points that have been backed up can be downloaded to the navigation system using a USB memory.

To use this function, it is necessary to connect a USB memory to the navigation system. (→P.105)

- 1 Select "Copy from USB".
- If a password has already been set, enter the password. For instructions on setting a password: →P.105
- If there are multiple memory points stored on the USB memory, select the memory points to

be copied and select "Start".

- 2 Check that a progress bar is being displayed while the data copy is in progress.
- To cancel this function, select "Cancel".
- 3 Check that a confirmation screen is displayed when the operation is complete.

- 
- Memory points that are located outside of the map's data range cannot be registered.
  - A maximum of 100 memory points can be registered.
  - When there are 21 or more memory points stored on a USB memory, only 20 memory points will be displayed at a time.
  - If memory points which have the same name are already stored in the navigation system, the navigation system may not update those memory points.

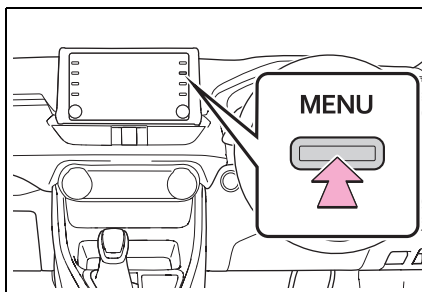
## Traffic settings\*

\*: This function is not made available in some countries or areas.

**Traffic information such as traffic congestion or traffic incident warnings can be made available.**

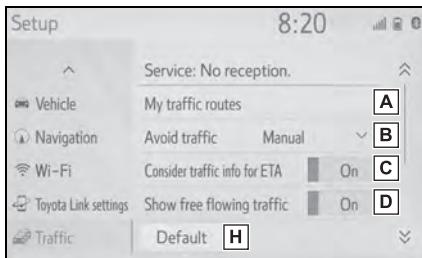
## Displaying the traffic settings screen

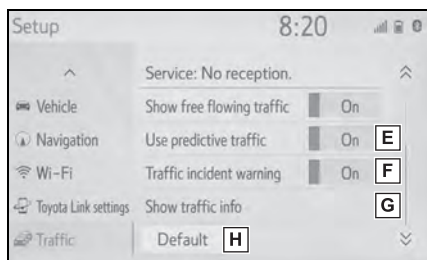
- 1 Press the "MENU" button.



- 2 Select "Setup".
- 3 Select "Traffic".
- 4 Select the desired items to be set.

## Screen for traffic settings





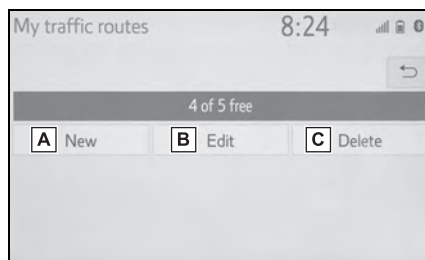
- A** Select to set specific routes (such as frequently used routes) on which you wish to receive traffic information. (→P.107)
- B** Select to set the avoid traffic function auto/manual. (→P.109)
- C** Select to set the usage of traffic information for the estimated arrival time on/off.
- D** Select to set the display of an arrow of free flowing traffic on/off.
- E** Select to set to on/off whether to consider the predictive traffic information with estimated arrival time and route search.
- F** Select to set traffic incident voice warning on/off.
- G** Select to display the traffic information icon. (→P.110)
- H** Select to reset all setup items.

### My traffic routes

Specific routes (such as frequently used routes) on which you wish to receive traffic information can be registered as "My traffic routes". A

route is set by defining a start point and end point, and can be adjusted by setting up to 2 preferred roads.

- 1** Display the traffic settings screen. (→P.106)
- 2** Select "My traffic routes".
- 3** Select the desired item.

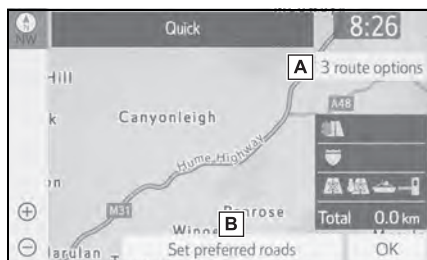


- A** Select to register personal traffic routes. (→P.107)
- B** Select to edit personal traffic routes. (→P.108)
- C** Select to delete personal traffic routes. (→P.108)

### Registering personal traffic routes

- 1** Select "New".
- 2** Select "Name".
- 3** Enter the name and select "OK".
- 4** Select "Start".
- 5** Select the desired item to search for the location. (→P.75)
- 6** Select "End".
- 7** Select the desired item to search for the location. (→P.75)
- 8** Select "OK".

- 9 Confirm the route overview displayed.

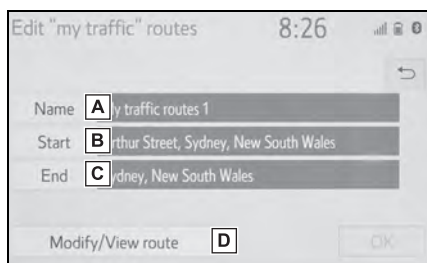


- A** Select the desired route from 3 possible routes. (→P.84)
- B** Select to modify the route. The routes can be adjusted by setting preferred roads. (→P.108)
- 10 Select "OK".

● Up to 5 routes can be registered.

### Editing personal traffic routes

- 1 Select "Edit".
- 2 Select the desired traffic route.
- 3 Select the desired item to be edited.



- A** Select to edit the name of the personal traffic route. (→P.107)
- B** Select to edit start location. (→P.107)

- C** Select to edit end location. (→P.107)

- D** Select to see and modify the entire route. (→P.108)

- 4 Select "OK".
- 5 Follow the steps in "Registering personal traffic routes" from step 9. (→P.107)

### Deleting personal traffic routes

- 1 Select "Delete".
- 2 Select the desired traffic route to be deleted and select "Delete".
- 3 Select "Yes" when the confirmation screen appears.

### Setting preferred roads

"My traffic routes" can be adjusted by setting up to 2 preferred roads.

- 1 Select "Set preferred roads".



## 2 Select the desired item.



- A** Select to add preferred roads. (→P.109)
- B** Select to modify preferred roads. (→P.109)
- C** Select to delete preferred roads. (→P.109)

### ■ Adding preferred roads

- 1 Select "Add".
- 2 Scroll the map to the desired point (→P.67) and select "OK".
- 3 Select "OK" to use this road.  
"Next": Select to change road.
- ▶ Available only when 1 preferred road is set
- 4 Select "Add here" for the desired location.



- If a preferred road is already set, a second preferred road can be added anywhere between the

start point, the end point and the existing preferred road.

### ■ Modifying preferred roads

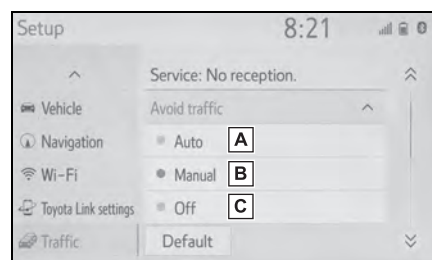
- 1 Select "Modify".
- 2 Select the desired preferred road to be modified if 2 preferred roads have been set.
- 3 Scroll the map to the desired point (→P.67) and select "OK".
- 4 Select "OK" to use this road.  
"Next": Select to change road.

### ■ Deleting preferred roads

- 1 Select "Delete".
- 2 Select the desired preferred road to be deleted if 2 preferred roads have been set.
- 3 Select "Yes" when the confirmation screen appears.

### Avoid traffic

- 1 Display the traffic settings screen. (→P.106)
- 2 Select "Avoid traffic".
- 3 Select the desired item.



- A** Select to automatically change routes when congestion information of the guidance route

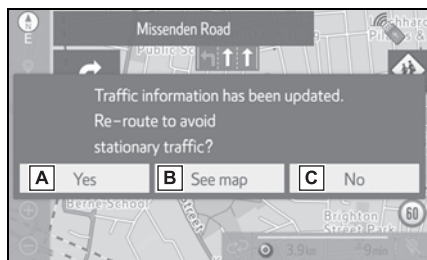
has been received.

- B** Select to select manually whether or not to change routes when congestion information of the guidance route has been received. In this mode, a screen will appear to ask if you wish to reroute.
- C** Select to not reroute when congestion information for the guidance route has been received.

### Changing the route manually

When the navigation system calculates a new route, a confirmation screen will be displayed.

- 1** Select the desired item.



- A** Select to start route guidance using the new route.
- B** Select to confirm the new route and current route on the map.
- C** Select to continue the current route guidance.

### Show traffic info

- 1** Display the traffic settings screen. (→P.106)

- 2** Select "Show traffic info".

- 3** Select the desired item.

- 4** Select the desired icons to be displayed on the map screen.

"All on": Select to select all icons in the traffic information.

"All off": Select to cancel all the selections.

- For more details on traffic information icons: →P.73

## GPS (Global Positioning System)

**This navigation system calculates the current position using satellite signals, various vehicle signals, map data, etc. However, an accurate position may not be shown depending on satellite conditions, road configuration, vehicle condition or other circumstances.**

## Limitations of the navigation system

The Global Positioning System (GPS) developed and operated by the U.S. Department of Defense provides an accurate current position, normally using 4 or more satellites, and in some case 3 satellites. The GPS system has a certain level of inaccuracy. While the navigation system compensates for this most of the time, occasional positioning errors of up to 100m can and should be expected. Generally, position errors will be corrected within a few seconds.

When the vehicle is not receiving signals from satellites, the unreceived GPS mark appears on the map screen. When the vehicle is receiving the signals, the unreceived GPS mark does not appear on the map screen.

The GPS signal may be physically

obstructed, leading to inaccurate vehicle position on the map screen. Tunnels, tall buildings, trucks, or even the placement of objects on the instrument panel may obstruct the GPS signals.

The GPS satellites may not send signals due to repairs or improvements being made to them.

Even when the navigation system is receiving clear GPS signals, the vehicle position may not be shown accurately or inappropriate route guidance may occur in some cases.



### NOTICE

- The installation of window tinting may obstruct the GPS signals. Most window tinting contains some metallic content that will interfere with GPS signal reception of the antenna in the instrument panel. We advise against the use of window tinting on vehicles equipped with navigation systems.

- Accurate current position may not be shown in the following cases:
  - When driving on a small angled Y-shaped road.
  - When driving on a winding road.
  - When driving on a slippery road such as in sand, gravel, snow, etc.
  - When driving on a long straight road.
  - When motorway and surface streets run in parallel.
  - After moving by ferry or vehicle carrier.
  - When a long route is searched during high speed driving.


- When driving without setting the current position calibration correctly.
  - After repeating a change of direction by going forward and backward, or turning on a turntable in a parking lot.
  - When leaving a covered parking lot or parking garage.
  - When a roof carrier is installed.
  - When driving with tyre chains installed.
  - When the tyres are worn.
  - After replacing a tyre or tyres.
  - When using tyres that are smaller or larger than the factory specifications.
  - When the tyre pressure in any of the 4 tyres is not correct.
  - If the vehicle cannot receive GPS signals, the current position can be adjusted manually. For information on setting the current position calibration: →P.102
  - Inappropriate route guidance may occur in the following cases:
    - When turning at an intersection off the designated route guidance.
    - If you set more than 1 destination but skip any of them, auto reroute will display a route returning to the destination on the previous route.
    - When turning at an intersection for which there is no route guidance.
    - When passing through an intersection for which there is no route guidance.
    - During auto reroute, the route guidance may not be available for the next turn to the right or left.
    - During high speed driving, it may take a long time for auto reroute to operate. In auto reroute, a detour route may be shown.
    - After auto reroute, the route may not be changed.
  - If an unnecessary U-turn is shown or announced.
  - If a location has multiple names and the system announces 1 or more of them.
  - When a route cannot be searched.
  - If the route to your destination includes gravel, unpaved roads or alleys, the route guidance may not be shown.
  - Your destination point might be shown on the opposite side of the street.
  - When a portion of the route has regulations prohibiting the entry of the vehicle that vary by time, season or other reasons.
  - The road and map data stored in the navigation system may not be complete or may not be the latest version.
  - After replacing a tyre: →P.102
- 
- This navigation system uses tyre turning data and is designed to work with factory-specified tyres for the vehicle. Installing tyres that are larger or smaller than the originally equipped diameter may cause inaccurate display of the current position. The tyre pressure also affects the diameter of the tyres, so make sure that the tyre pressure of all 4 tyres is correct.



## Map database version and covered area

Legal information can be displayed and map data can be updated.

### Map information

- 1 Select  on the map screen.
- 2 Select "Map data".
- 3 Check that the map data screen is displayed.



- A** Map version
- B** Select to display legal information.
- C** Select to update map.

- For map data updates, contact your Toyota dealer.



**4-1. Basic operation**Quick reference ..... **116**Some basics ..... **117****4-2. Radio operation**AM/FM/DAB radio..... **122****4-3. Media operation**USB memory ..... **126**

iPod/iPhone

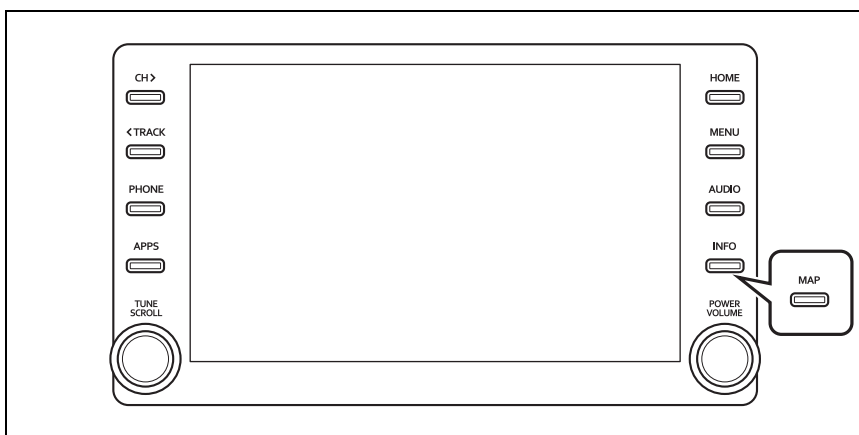
(Apple CarPlay) ..... **128**Android Auto ..... **130**Bluetooth® audio..... **131**Miracast® ..... **134****4-4. Audio/visual remote controls**Steering switches ..... **137****4-5. Setup**Audio settings ..... **139****4-6. Tips for operating the  
audio/visual system**Operating information ..... **140**

## Quick reference

### Functional overview

The audio control screen can be reached by the following methods:

- ▶ From the “AUDIO” button
  - 1 Press the “AUDIO” button.
- ▶ From the “MENU” button
  - 1 Press the “MENU” button, then select “Audio”.



- Using the radio (→P.122)
- Playing a USB memory (→P.126)
- Playing an iPod/iPhone (Apple CarPlay<sup>\*</sup>) (→P.128)
- Using the Android Auto<sup>\*</sup> (→P.130)
- Playing a Bluetooth<sup>®</sup> device (→P.131)
- Using the Miracast<sup>®</sup> (→P.134)
- Using the steering wheel audio switches (→P.137)
- Audio system settings (→P.139)

<sup>\*</sup>: This function is not made available in some countries or areas.

## Some basics

This section describes some of the basic features of the audio/visual system. Some information may not pertain to your system.

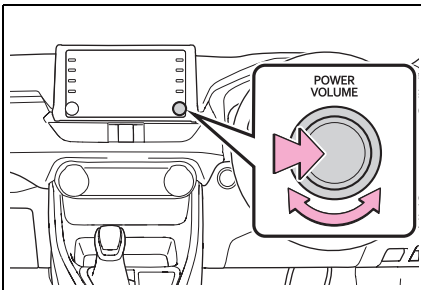
Your audio/visual system works when the engine switch <power switch> is in ACC or ON.



### NOTICE

- To prevent the 12-volt battery from being discharged, do not leave the audio/visual system on longer than necessary when the engine is not running <the hybrid system is not operating>.

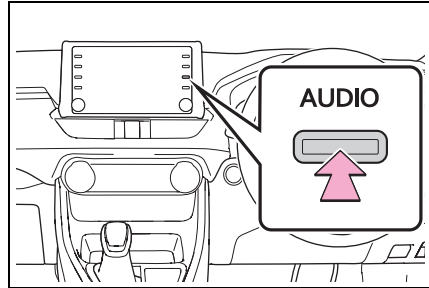
## Turning the system on and off



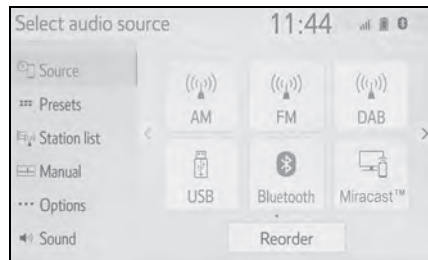
“POWER VOLUME” knob: Press to turn the audio/visual system on and off. The system turns on in the last mode used. Turn this knob to adjust the volume.

## Selecting an audio source

- 1 Press the “AUDIO” button.





- 2 Select “Source” or press “AUDIO” button again.
- 3 Select the desired source.



- Dimmed screen buttons cannot be operated.
- When there are two pages, select or to change the page.
- When an Apple CarPlay/Android Auto connection is established, some system functions, such as the following, will be replaced by similar Apple CarPlay/Android Auto function or will become unavailable:
  - iPod (Audio Playback)
  - USB audio/USB video
  - Bluetooth® audio
  - Toyota App Suite\*

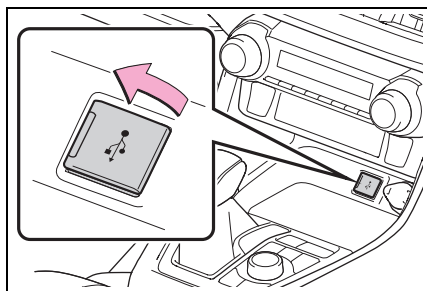
\*: This function is not made available in some countries or areas.

### Reordering the audio source

- 1 Display the audio source selection screen. (→P.117)
- 2 Select “Reorder”.
- 3 Select the desired audio source then  or  to reorder.

### USB port

- 1 Open the lid and connect a device.

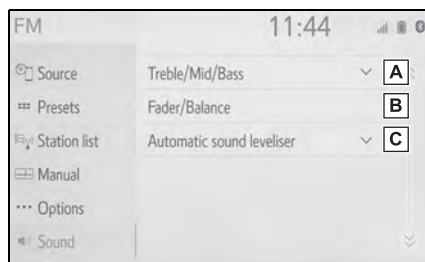


- Turn on the power of the device if it is not turned on.
- If a USB hub is plugged-in, two devices can be connected at a time.
- Even if a USB hub is used to connect more than two USB devices, only the first two connected devices will be recognized.
- If a USB hub that has more than two ports is connected to the USB port, devices connected to the USB hub may not charge or be inoperable, as the supply of current may be insufficient.
- When an Apple CarPlay/Android Auto connection is established, the other USB port can be used only for device battery charger.

### Sound settings

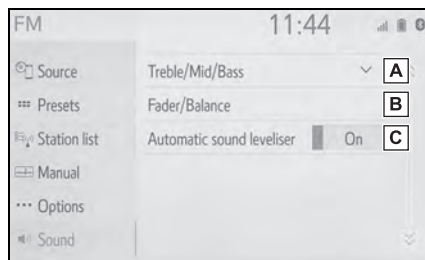
- 1 Display the audio control screen. (→P.117)
- 2 Select “Sound”.
- 3 Select the desired item to be set.

► Type A



- A** Select to set the treble/mid/bass. (→P.119)
- B** Select to set the fader/balance. (→P.119)
- C** Select to set the automatic sound leveliser. (→P.119)

► Type B



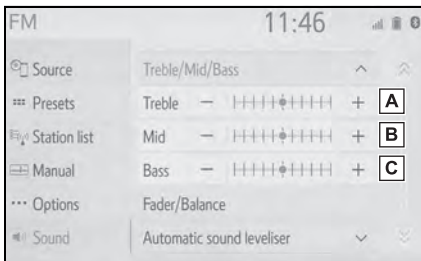
- A** Select to set the treble/mid/bass. (→P.119)
- B** Select to set the fader/balance. (→P.119)
- C** Select to set the automatic

sound leveliser. (→P.119)

### ■ Treble/Mid/Bass

How good an audio program sounds is largely determined by the mix of the treble, mid and bass levels. In fact, different kinds of music and vocal programs usually sound better with different mixes of treble, mid and bass.

- 1 Select "Treble/Mid/Bass".
- 2 Select the desired screen button.



- A** Select "+" or "-" to adjust high-pitched tones.
- B** Select "+" or "-" to adjust mid-pitched tones.
- C** Select "+" or "-" to adjust low-pitched tones.

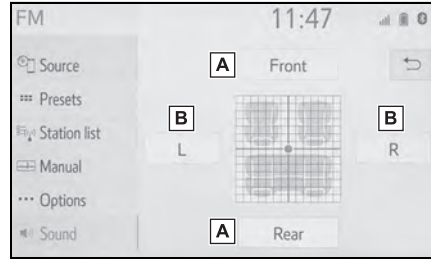
### ■ Fader/Balance

A good balance of the left and right stereo channels and of the front and rear sound levels is also important.

Keep in mind that when listening to a stereo recording or broadcast, changing the right/left balance will increase the volume of 1 group of sounds while decreasing the vol-

ume of another.

- 1 Select "Fader/Balance".
- 2 Select the desired screen button.



- A** Select to adjust the sound balance between the front and rear speakers.
- B** Select to adjust the sound balance between the left and right speakers.

### ■ Automatic sound leveliser (ASL)

The system adjusts to the optimum volume and tone quality according to vehicle speed to compensate for increased road noise, wind noise, or other noises while driving.

#### ► Type A

- 1 Select "Automatic sound leveliser".
- 2 Select "High", "Mid", "Low" or "Off".

#### ► Type B

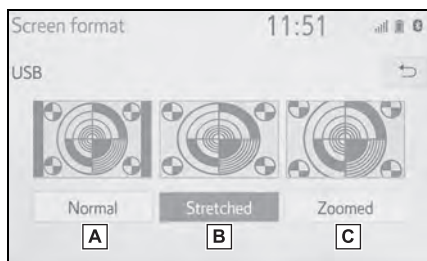
- 1 Select "Automatic sound leveliser".
- 2 Select to set the automatic sound leveliser on/off.

## Audio screen adjustment

### ■ Screen format settings

The screen adjustment can be selected for USB video and Miracast®.

- ▶ From the audio settings screen
  - 1 Press the “MENU” button.
  - 2 Select “Setup”.
  - 3 Select “Audio”.
  - 4 Select “Common”.
  - 5 Select “Screen format”.
  - 6 Select the desired item to be adjusted.
- ▶ From the Miracast® control screen
  - 1 Display the Miracast® control screen. (→P.117)
  - 2 Select “Wide”.
  - 3 Follow the steps in “From the audio settings screen” from step 6. (→P.120)



- A** Select to display a 4:3 screen, with either side in black.
- B** Select to enlarge the image horizontally and vertically to full screen.

- C** Select to enlarge the image by the same ratio horizontally and vertically.\*

\*: USB video only

### ■ Contrast and brightness adjustment

The contrast and brightness of the screen can be adjusted.

- ▶ From the audio settings screen
  - 1 Press the “MENU” button.
  - 2 Select “Setup”.
  - 3 Select “Audio”.
  - 4 Select “Common”.
  - 5 Select “Display”.
  - 6 Select the desired item to be adjusted.
- ▶ From the Miracast® control screen
  - 1 Display the Miracast® control screen. (→P.117)
  - 2 Select “Display”.
  - 3 Follow the steps in “From the audio settings screen” from step 6. (→P.120)

#### ● “Contrast”

“+”: Select to strengthen the contrast of the screen.

“-”: Select to weaken the contrast of the screen.

#### ● “Brightness”

“+”: Select to brighten the screen.

“-”: Select to darken the screen.

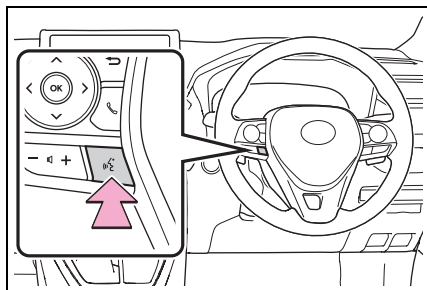
● Depending on the audio source, some



functions may not be available.

### Speech command system

- 1 Press this switch to operate the speech command system.



- The speech command system and its list of commands can be operated. (→P.150)

## AM/FM/DAB\* radio

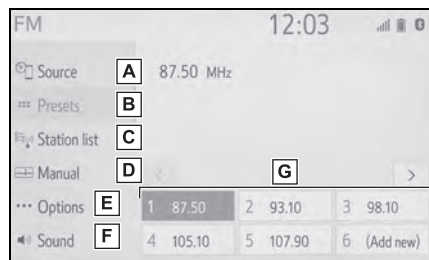
\*: With navigation function

### Overview

The radio control screen can be reached by the following methods:  
→P.117

### Control screen

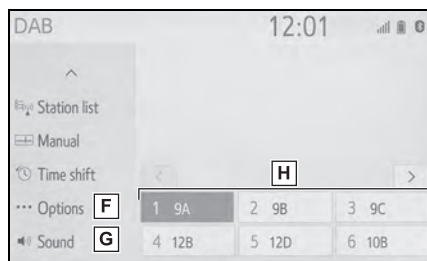
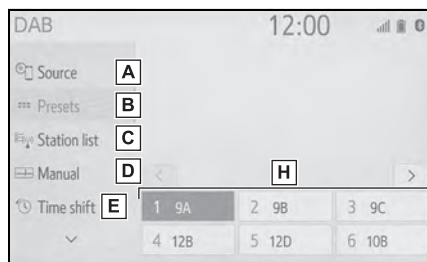
#### ▶ AM/FM



- A** Select to display the audio source selection screen.
- B** Select to display the preset stations/services screen. (→P.123)
- C** Select to display a list of receivable stations/services.\*
- D** Select to display the manual tuning screen.
- E** Select to display the radio options screen.\* (→P.125)
- F** Select to display the sound setting screen. (→P.118)
- G** Select to tune to preset stations/services. (→P.123)

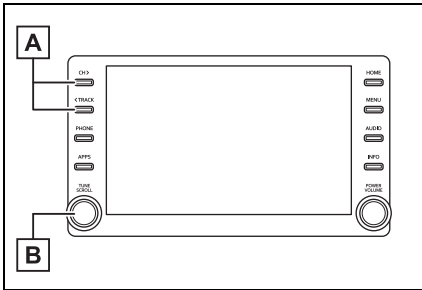
\*: FM only

#### ▶ DAB



- A** Select to display the audio source selection screen.
- B** Select to display the preset stations/services screen. (→P.123)
- C** Select to display a list of receivable stations/services.
- D** Select to display the manual tuning screen.
- E** Select to display the time shift control screen. (→P.125)
- F** Select to display the radio options screen. (→P.125)
- G** Select to display the sound setting screen. (→P.118)
- H** Select to tune to preset stations/services. (→P.123)

## Control panel



### A AM/FM:

Presets screen: Press to select preset stations.

Station list screen: Press to move up/down the station list.

Manual screen: Press to seek for stations. Press and hold for continuous seek.

DAB:

Presets screen: Press to select preset services/stations.

Service/station list screen:

Press to move up/down the service/station list.

Manual screen: Press to seek for service/station. Press and hold for continuous seek.

### B AM/FM:

Presets screen: Turn to select preset stations.

Station list screen: Turn to move up/down the station list.

Manual screen: Turn to seek for frequencies.

DAB:

Presets screen: Turn to select preset services/stations.

Service/station list screen: Turn

to move up/down the service/station list.

Manual screen: Turn to seek for service.

DAB time shift screen: Turn to jump forward/backwards.

- The radio automatically changes to stereo reception when a stereo broadcast is received.
- If the signal becomes weak, the radio reduces the amount of channel separation to prevent the weak signal from creating noise. If the signal becomes extremely weak, the radio switches from stereo to mono reception.

## Presetting a station

Up to 12 preset stations can be registered in AM mode, FM mode and DAB mode.

- 1 Tune in the desired station.
- 2 Select and hold “(Add new)”.



- When “(Add new)” is selected, a confirmation message appears. Select “Yes”.
- To change the preset station to a different one, select and hold the preset station.

### RDS (Radio data system)

This feature allows your radio to receive station and programmed information from radio stations which broadcast this information. Depending on the availability of RDS infrastructure, the service may not function properly.

#### ■ DAB AF (Alternative frequency) function

A station providing good reception is automatically selected if current reception worsens.

#### ■ DAB TA (Traffic announcement) function

The tuner will automatically seek a station that regularly broadcasts traffic information and the station broadcasts when the traffic information program starts.

- 1 A pop-up message is displayed on the screen when the radio seeks out a TP station.
- 2 Select "Continue".

- When traffic announcement is set to on (→P.125), the radio will begin seeking a TP station.
- When the program ends, the initial operation resumes.

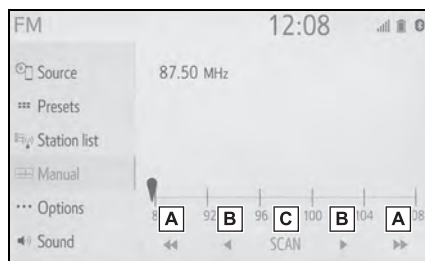
#### ■ Traffic announcement volume function

The volume level when receiving the traffic announcement is memorized.

### Manual tuning

#### ► AM/FM

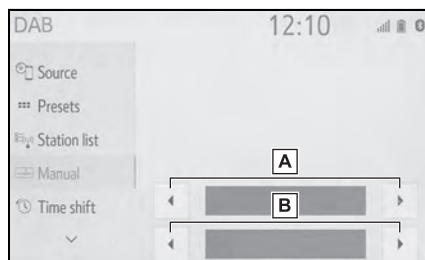
- 1 Select "Manual".
- 2 Tune the desired station.



- A** Select to seek up/down for a station.
- B** Select to step up/down frequencies.
- C** Select to scan for receivable stations.

#### ► DAB

- 1 Select "Manual".
- 2 Tune the desired DAB ensemble or service.

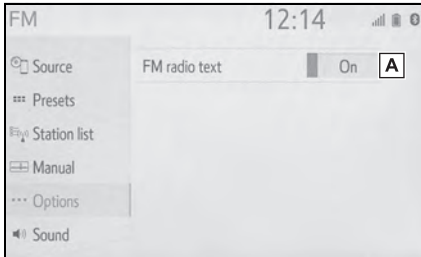


- A** Select to set the desired DAB channel.
- B** Select to set the desired service/station.

## Radio options

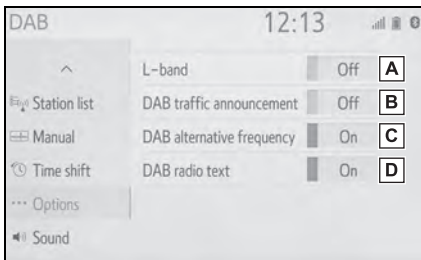
- 1 Select "Options".
- 2 Select the desired item to be set.

### ► FM



- A** Select on/off to set the FM radio text feature.

### ► DAB



- A** Select on/off to set L-band in the tune range. When "Off" is selected, the physical channel range for tuning operations is limited to Band III, excluding for preset operations. When "On" is selected, the physical channel range for tuning operations includes Band III and L-band.
- B** Select to set the DAB traffic announcement on/off. (→P.124)
- C** Select to set the DAB alternative

frequency function on/off.\*  
(→P.124)

- D** Select on/off to set the DAB text feature.

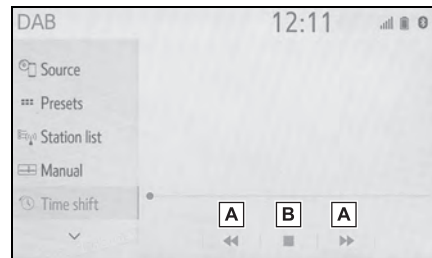
\*: With navigation function

● Radio settings can be set on the audio settings screen. (→P.139)

## Time shift operation

The service you are currently listening to can be re-listened to at any time.

- 1 Select "Time shift".
- 2 Select the desired operation button.



- A** Select to jump forward/backward by 10 seconds. Select and hold to fast forward/backward.
- B** Returns to the live radio broadcast.

● The times at which playback is possible depend on the bit rate of the service to be recorded, the amount of DAB unit memory, and the time at which reception of the broadcast began.

## USB memory

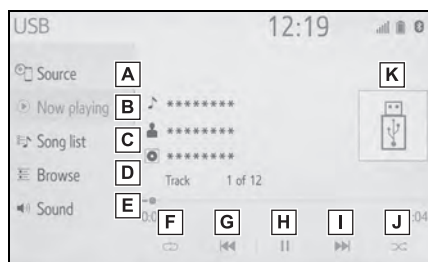
### Overview

The USB memory operation screen can be reached by the following methods: →P.117

- Connecting a USB memory (→P.118)
- When an Apple CarPlay/Android Auto connection is established, this function will be unavailable.

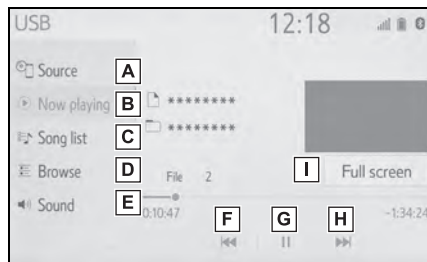
### Control screen

#### ► USB audio



- A** Select to display the audio source selection screen.
- B** Select to return to the top screen.
- C** Select to display a song list screen.
- D** Select to display the play mode selection screen.
- E** Select to display the sound setting screen. (→P.118)
- F** Select to set repeat playback. (→P.127)

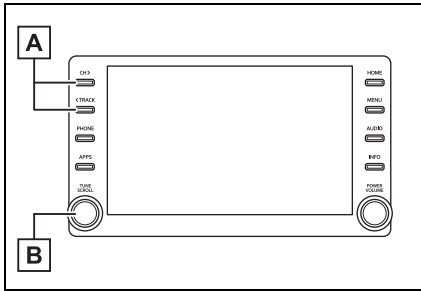
- G** Select to change the file/track. Select and hold to fast rewind.
- H** Select to play/pause.
- I** Select to change the file/track. Select and hold to fast forward.
- J** Select to set random playback. (→P.127)
- K** Displays cover art
- USB video
  - 1** Select "Browse".
  - 2** Select "Videos".
  - 3** Select the desired folder and file.



- A** Select to display the audio source selection screen.
- B** Select to return to the top screen.
- C** Select to display a song list screen.
- D** Select to display the play mode selection screen.
- E** Select to display the sound setting screen. (→P.118)
- F** Select to change the file/track. Select and hold to fast rewind.

- G** Select to play/pause.
- H** Select to change the file/track.  
Select and hold to fast forward.
- I** Select to display a full screen image.

### Control panel




- A** Press to change the file/track.  
Press and hold to fast forward/rewind.
  - B** Turn to change the file/track.  
Turn to move up/down the list.  
Also, the knob can be used to enter selections on the list screens by pressing it.
- While the vehicle is being driven, this function can only output sound.
  - If tag information exists, the file/folder names will be changed to track/album names.

### Repeating

The file/track or folder/album currently being listened to can be repeated.


- 1 Select .

- Each time  is selected, the mode changes as follows:
  - ▶ When random playback is off
    - file/track repeat → folder/album repeat → off
  - ▶ When random playback is on
    - file/track repeat → off

### Random order

Files/tracks or folders/albums can be automatically and randomly selected.

- 1 Select .

- Each time  is selected, the mode changes as follows:
  - random (1 folder/album random) → folder/album random (all folder/album random) → off



### WARNING

- Do not operate the player's controls or connect the USB memory while driving.



### NOTICE

- Do not leave your portable player in the vehicle. In particular, high temperatures inside the vehicle may damage the portable player.
- Do not push down on or apply unnecessary pressure to the portable player while it is connected as this may damage the portable player or its terminal.
- Do not insert foreign objects into the port as this may damage the portable player or its terminal.

## iPod/iPhone (Apple CarPlay\*)

\*: This function is not made available in some countries or areas.

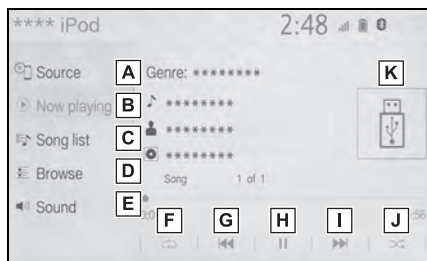
### Overview

The iPod/iPhone operation screen can be reached by the following methods: →P.117

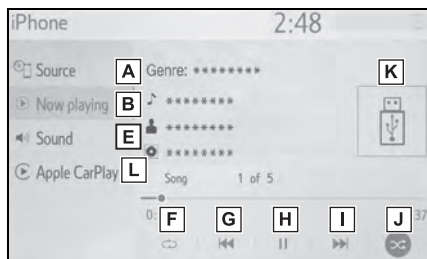
- Connecting an iPod/iPhone (→P.118)
- When an Android Auto connection is established, this function will be unavailable.

### Control screen

- ▶ An Apple CarPlay connection is not established

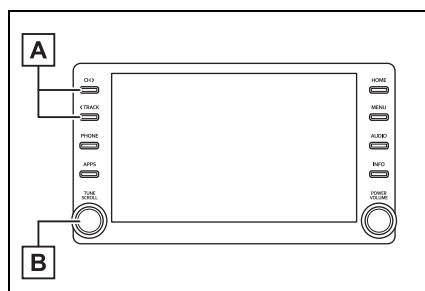


- ▶ An Apple CarPlay connection is established



- A** Select to display the audio source selection screen.
- B** Select to return to the top screen.
- C** Select to display a song list screen.
- D** Select to display the play mode selection screen.
- E** Select to display the sound setting screen. (→P.118)
- F** Select to set repeat playback. (→P.129)
- G** Select to change the track. Select and hold to fast rewind.
- H** Select to play/pause.
- I** Select to change the track. Select and hold to fast forward.
- J** Select to set random playback. (→P.129)
- K** Displays cover art
- L** Select to display the audio control screen of Apple CarPlay.

### Control panel





**A** Press to change the track.

Press and hold to fast forward/rewind.


**B** Turn to change the track.


Turn to move up/down the list. Also, the knob can be used to enter selections on the list screens by pressing it.

- Some functions may not be available depending on the type of model.
- When an iPod/iPhone is connected using a genuine iPod/iPhone cable, the iPod/iPhone starts charging its battery.
- Depending on the iPod/iPhone, the video sound may not be able to be heard.
- Depending on the iPod/iPhone and the songs in the iPod/iPhone, a cover art may be displayed. This function can be changed to "On" or "Off". (→P.139) It may take time to display the cover art, and the iPod/iPhone may not be operated while the cover art display is in process.
- When an iPod/iPhone is connected and the audio source is changed to iPod/iPhone mode, the iPod/iPhone will resume playing from the same point it was last used.
- Depending on the iPod/iPhone that is connected to the system, certain functions may not be available.
- Tracks selected by operating a connected iPod/iPhone may not be recognized or displayed properly.
- The system may not function properly if a conversion adapter is used to connect a device.

### Repeating

The track currently being listened to can be repeated.


**1** Select .

- Each time  is selected, the mode changes as follows:
  - ▶ When shuffle is off (iPhone 5 or later)
    - track repeat → album repeat → off
  - ▶ When shuffle is off (iPhone 4s or earlier)
    - track repeat → off
  - ▶ When shuffle is on
    - track repeat → off

### Random order

Tracks or albums can be automatically and randomly selected.

**1** Select .

- Each time  is selected, the mode changes as follows:
  - shuffle (1 album shuffle) → album shuffle (all album shuffle) → off

### WARNING

- Do not operate the player's controls or connect the iPod/iPhone while driving.

### NOTICE

- Do not leave your portable player in the car. In particular, high temperatures inside the vehicle may damage the portable player.
- Do not push down on or apply unnecessary pressure to the portable player while it is connected as this may damage the portable player or its terminal.
- Do not insert foreign objects into the port as this may damage the portable player or its terminal.

## Android Auto\*

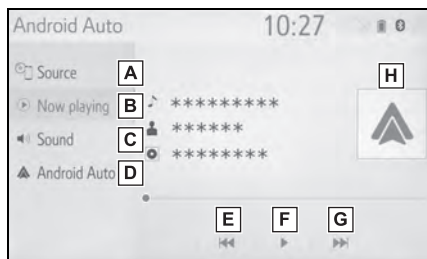
\*: This function is not made available in some countries or areas.

### Overview

The Android Auto operation screen can be reached by the following methods: →P.117

- Connecting an Android device (→P.118)
- When an Apple CarPlay connection is established, this function will be unavailable.

### Control screen

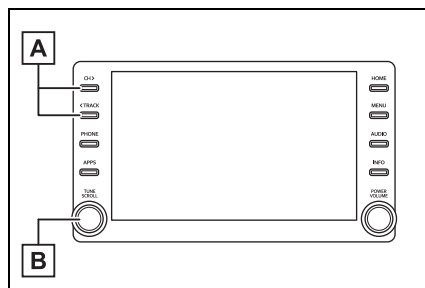


- A** Select to display the audio source selection screen.
- B** Select to return to the top screen.
- C** Select to display the sound setting screen. (→P.118)
- D** Select to display the audio control screen of Android Auto.
- E** Select to change the track.
- F** Select to play/pause.

**G** Select to change the track.

**H** Displays cover art

### Control panel



**A** Press to change the track.

**B** Turn to change the track.



### WARNING

- Do not connect smartphone or operate the controls while driving.



### NOTICE

- Do not leave your smartphone in the vehicle. In particular, high temperatures inside the vehicle may damage the smartphone.
- Do not push down on or apply unnecessary pressure to the smartphone while it is connected as this may damage the smartphone or its terminal.
- Do not insert foreign objects into the port as this may damage the smartphone or its terminal.

## Bluetooth® audio

The Bluetooth® audio system enables users to enjoy listening to music that is played on a portable player on the vehicle speakers via wireless communication.

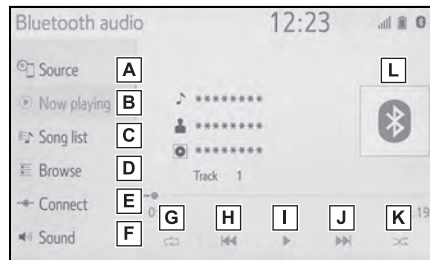
This audio/visual system supports Bluetooth®, a wireless data system capable of playing portable audio music without cables. If your device does not support Bluetooth®, the Bluetooth® audio system will not function.

### Overview

The Bluetooth® audio operation screen can be reached by the following methods: →P.117

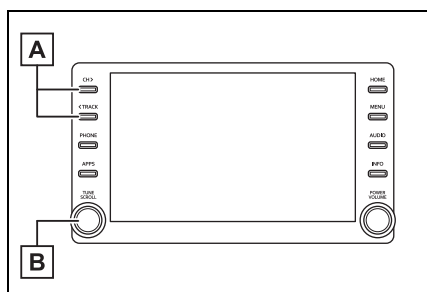
- Connecting a Bluetooth® audio device (→P.133)
- Depending on the type of portable player connected, some functions may not be available and/or the screen may look differently than shown in this manual.
- When an Apple CarPlay/Android Auto connection is established, Bluetooth® audio will be suspended and become unavailable

### Control screen



- A** Select to display the audio source selection screen.
- B** Select to return to the top screen.
- C** Select to display a song list screen.
- D** Select to display the play mode selection screen.
- E** Select to display the portable device connection screen. (→P.133)
- F** Select to display the sound setting screen. (→P.118)
- G** Select to set repeat playback. (→P.132)
- H** Select to change the track. Select and hold to fast rewind.
- I** Select to play/pause.
- J** Select to change the track. Select and hold to fast forward.
- K** Select to set random playback. (→P.132)
- L** Displays cover art

### Control panel




- A** Press to change the track.  
Press and hold to fast forward/rewind.
- B** Turn to change the track.  
Turn to move up/down the list.  
Also, the knob can be used to enter selections on the list screens by pressing it.

### Repeating

The track or album currently being listened to can be repeated.




- 1 Select .

- Each time  is selected, the mode changes as follows:
  - ▶ When random playback is off
    - track repeat → album repeat → off
  - ▶ When random playback is on
    - track repeat → off

### Random order

Tracks or albums can be automatically and randomly selected.

- 1 Select .

- Each time  is selected, the mode changes as follows:
  - random (1 album random) → album random (all album random) → off
- Depending on the Bluetooth® device that is connected to the system, the music may start playing when selecting  while it is paused. Conversely, the music may pause when selecting  while it is playing.
- In the following conditions, the system may not function:
  - The Bluetooth® device is turned off.
  - The Bluetooth® device is not connected.
  - The Bluetooth® device has a low battery.
- When using the Bluetooth® audio and Wi-Fi® functions at the same time, the following problems may occur:
  - It may take longer than normal to connect to the Bluetooth® device.
  - The sound may cut out.
- It may take time to connect the phone when Bluetooth® audio is being played.
- For operating the portable player, see the instruction manual that comes with it.
- If the Bluetooth® device is disconnected due to poor reception from the Bluetooth® network when the engine switch <power switch> is in ACC or ON, the system will automatically reconnect to the portable player.
- If the Bluetooth® device is disconnected on purpose, such as it was turned off, this does not happen. Reconnect the portable player manually.
- Bluetooth® device information is registered when the Bluetooth® device is connected to the Bluetooth® audio system. When selling or disposing of

the vehicle, remove the Bluetooth® audio information from the system. (→P.57)

- In some situations, sound output via the Bluetooth® audio system may be out of sync with the connected device or output intermittently.



#### WARNING

- Do not operate the player's controls or connect to the Bluetooth® audio system while driving.
- Your audio unit is fitted with Bluetooth® antennas. People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the Bluetooth® antennas. The radio waves may affect the operation of such devices.
- Before using Bluetooth® devices, users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.



#### NOTICE

- Do not leave your portable player in the vehicle. In particular, high temperatures inside the vehicle may damage the portable player.

### Registering/Connecting a Bluetooth® device

To use the Bluetooth® audio system, it is necessary to register a Bluetooth® device with the system.

#### ► Registering an additional device

- 1 Display the Bluetooth® audio control screen. (→P.117)
- 2 Select "Connect".
- 3 Select "Add device".
- When another Bluetooth® device is connected, a confirmation screen will be displayed. To disconnect the Bluetooth® device, select "Yes".
- 4 Follow the steps in "Registering a Bluetooth® phone for the first time" from step 5. (→P.34)
- Selecting a registered device
  - 1 Display the Bluetooth® audio control screen. (→P.117)
  - 2 Select "Connect".
  - 3 Select the desired device to be connected.
  - 4 Check that a confirmation screen is displayed when the connection is complete.

- If an error message is displayed, follow the guidance on the screen to try again.

## Miracast<sup>®\*</sup>

\*: Miracast<sup>®</sup> is a registered trademark of Wi-Fi Alliance<sup>®</sup>.

**Miracast<sup>®</sup> is a function that enables the audio/visual system to display smartphone's screen and play the smartphone's sound by connecting the smartphone to the audio/visual system with Wi-Fi<sup>®</sup> connection (P2P mode).**

**This function is not available if the smartphone is not certified by Wi-Fi Alliance<sup>®</sup> as Miracast<sup>®</sup> device.**

**(Whether or not a device is a Wi-Fi Alliance<sup>®</sup> certified Miracast<sup>®</sup> device can be checked at <http://www.wi-fi.org>.)**

**While the vehicle is being driven, this function can only output sound.**

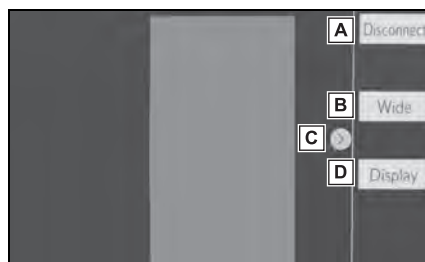
- Miracast<sup>®</sup> performs wireless communication using the same 2.4 GHz radio frequency band as Bluetooth<sup>®</sup>. Depending on the usage environment, radio wave interference may occur, resulting in image distortion and audio stuttering. If interference occurs, connecting a Bluetooth<sup>®</sup> cellular phone or portable device that is registered with the navigation system may reduce the effects.

## Overview

The Miracast<sup>®</sup> operation screen can be reached by the following methods: →P.117

- Connecting Miracast<sup>®</sup> device (→P.135)

## Control screen



- A** Select to disconnect the Miracast<sup>®</sup> device.
- B** Select to change the screen size. (→P.120)
- C** Select to display/hide the control button.
- D** Select to display the image quality adjustment screen. (→P.120)

- The Miracast<sup>®</sup> sound volume takes into account the sound volume of both the system and the connected device. Before using Miracast<sup>®</sup>, adjust the sound volume of the connected device to an appropriate level.
- When a device that uses Bluetooth<sup>®</sup> audio is used with Miracast<sup>®</sup>, no sound may be output from Miracast<sup>®</sup>. If this occurs, disabling the Bluetooth<sup>®</sup> audio may allow sound to be output from Miracast<sup>®</sup>.

- The Miracast<sup>®</sup> screen displays the same image that is sent from the external device. If the external device screen is vertically-oriented, the screen may also display a vertical image.

**WARNING**

- Do not connect smartphone or operate the controls while driving.

**NOTICE**

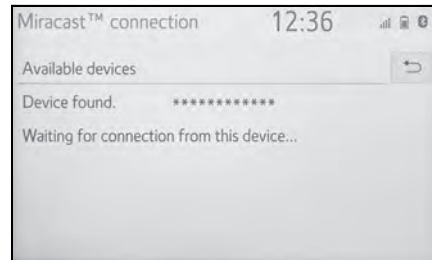
- Do not leave your smartphone in the vehicle. In particular, high temperatures inside the vehicle may damage the smartphone.

### Connecting a Miracast<sup>®</sup> device

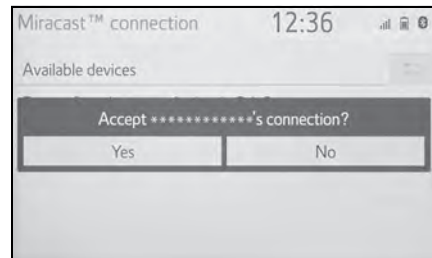
Miracast<sup>®</sup> is available when the Wi-Fi<sup>®</sup> function is enabled. (→P.46)

- 1 Turn the Miracast<sup>®</sup> function of your smartphone on.
  - 2 Select "Miracast<sup>™</sup>" on the audio source selection screen. (→P.117)
- The system will automatically start searching for a Miracast<sup>®</sup> compatible device.

- 3 Check that a confirmation screen is displayed when the device is found.



- If the device has been connected to the system before, this screen may not be displayed and the Miracast<sup>®</sup> connection may start immediately.
- 4 Select the system name on the smartphone.
  - 5 Select "Yes".



- 6 Check that Miracast<sup>®</sup> operation screen is displayed.
- Depending on the device connected, it may take approximately 5 to 15 seconds before the Miracast<sup>®</sup> operation screen is displayed.

- The signal strength/status of the Wi-Fi<sup>®</sup> connection (P2P mode) is displayed on the upper right side of the

screen. (→P.16)

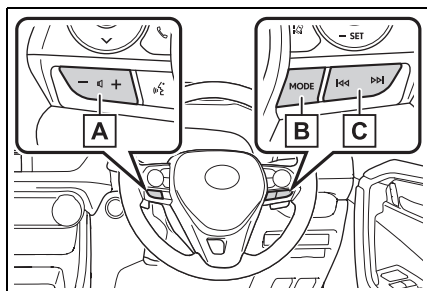
- To check the Miracast<sup>®</sup> setting on the Wi-Fi<sup>®</sup> setting screen: →P.46



## Steering switches

### Steering switch operation

Some parts of the audio/visual system can be adjusted using the switches on the steering wheel.



**A** Volume control switch

**B** “MODE” switch

**C** I< >I switch

#### ■ Volume control switch

- Press: Volume up/down
- Press and hold (0.8 sec. or more): Volume up/down continuously

#### ■ “MODE” switch

- ▶ AM/FM/DAB<sup>\*1</sup>
  - Press: Change audio modes
  - Press and hold (0.8 sec. or more): Mute/pause<sup>\*2</sup> (Press and hold again to resume.)
- ▶ USB<sup>\*3, 4</sup>, iPod/iPhone<sup>\*4</sup>, Android Auto<sup>\*3</sup>, Bluetooth<sup>®</sup> audio<sup>\*3, 4</sup>
  - Press: Change audio modes
  - Press and hold (0.8 sec. or more): Pause (Press and hold again to resume the play mode.)

#### ▶ Miracast<sup>®</sup>

- Press: Change audio modes

<sup>\*1</sup>: With navigation function

<sup>\*2</sup>: If cached radio is enabled, pressing and holding the “MODE” switch pauses the broadcast. (Press and hold again to play back the cached radio program.)

<sup>\*3</sup>: When an Apple CarPlay connection is established, this function will be unavailable.

<sup>\*4</sup>: When an Android Auto connection is established, this function will be unavailable.

#### ■ I< >I switch

##### ▶ AM/FM

- Press: Preset stations up/down (Presets screen)  
Station up/down (Station list screen)  
Seek up/down (Manual tuning screen)
- Press and hold (0.8 sec. or more): Seek up/down continuously while the switch is being pressed (Manual tuning screen)

##### ▶ DAB<sup>\*1</sup>

- Press: Preset services/stations up/down (Presets screen)  
Service/station up/down (Service/station list screen)  
Seek up/down (Manual tuning screen)
- Press and hold (0.8 sec. or more): Seek up/down continuously while the switch is being pressed (Manual tuning screen)

- ▶ USB<sup>\*2, 3</sup>, iPod/iPhone<sup>\*3</sup>,  
Bluetooth® audio<sup>\*2, 3</sup>
- Press: Track/file up/down
- Press and hold (0.8 sec. or more): Fast forward/rewind

- ▶ Android Auto<sup>\*2</sup>
- Press: Track up/down

<sup>\*1</sup>: With navigation function

<sup>\*2</sup>: When an Apple CarPlay connection is established, this function will be unavailable.

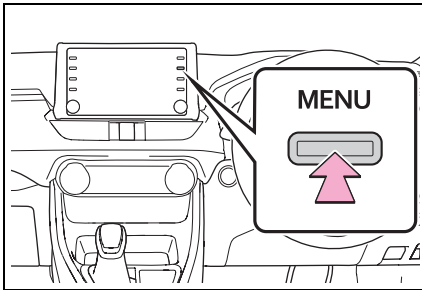
<sup>\*3</sup>: When an Android Auto connection is established, this function will be unavailable.

## Audio settings

Detailed audio settings can be programmed.

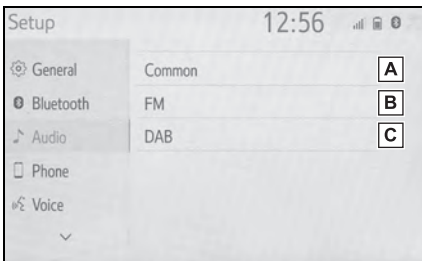
### Displaying the audio settings screen

- 1 Press the "MENU" button.



- 2 Select "Setup".
- 3 Select "Audio".
- 4 Select the desired item to be set.

### Audio settings screen



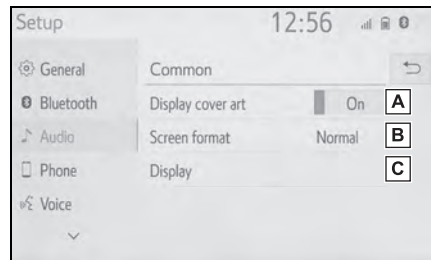
- A Select to set the common settings. (→P.139)
- B Select to set detailed FM radio settings. (→P.125)

- C Select to set detailed DAB settings.\* (→P.125)

\*: With navigation function

### Common settings

- 1 Display the audio settings screen. (→P.139)
- 2 Select "Common".
- 3 Select the desired item to be set.



- A Select to set the cover art display on/off.
- B Select to change the screen size.\* (→P.120)
- C Select to display the image quality adjustment screen.\* (→P.120)

\*: Depending on the audio source, some functions may not be available.

## Operating information

- The use of a cellular phone inside or near the vehicle may cause a noise from the speakers of the audio/visual system which you are listening to. However, this does not indicate a malfunction.



### NOTICE

- To avoid damage to the audio/visual system:  
Be careful not to spill beverages over the audio/visual system.

## Radio

Usually, a problem with radio reception does not mean there is a problem with the radio — it is just the normal result of conditions outside the vehicle.

For example, nearby buildings and terrain can interfere with FM reception. Power lines or phone wires can interfere with AM signals. And of course, radio signals have a limited range. The farther the vehicle is from a station, the weaker its signal will be. In addition, reception conditions change constantly as the vehicle moves.

Here are some common reception problems that may not indicate a problem with the radio as described.

### ■ FM

**Fading and drifting stations:** Generally, the effective range of FM is

about 40 km. Once outside this range, you may notice fading and drifting, which increase with the distance from the radio transmitter. They are often accompanied by distortion

**Multi-path:** FM signals are reflective, making it possible for 2 signals to reach the vehicle's antenna at the same time. If this happens, the signals will cancel each other out, causing a momentary flutter or loss of reception.

**Static and fluttering:** These occur when signals are blocked by buildings, trees or other large objects. Increasing the bass level may reduce static and fluttering.

**Station swapping:** If the FM signal being listened to is interrupted or weakened, and there is another strong station nearby on the FM band, the radio may tune in the second station until the original signal can be picked up again.

### ■ AM

**Fading:** AM broadcasts are reflected by the upper atmosphere — especially at night. These reflected signals can interfere with those received directly from the radio station, causing the radio station to sound alternately strong and weak.

**Station interference:** When a reflected signal and a signal received directly from a radio station are very nearly the same fre-

quency, they can interfere with each other, making it difficult to hear the broadcast.

Static: AM is easily affected by external sources of electrical noise, such as high tension power lines, lightening or electrical motors. This results in static.

## iPod/iPhone

### ■ Certification



- Use of the Made for Apple badge means that an accessory has been designed to connect specifically to the Apple product(s) identified in the badge, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with an Apple product may affect wireless performance.
- iPhone, iPod, iPod classic, iPod nano, iPod touch, and Lightning are trademarks of Apple Inc., registered in the U.S. and other countries.

### ■ Compatible models

#### ► Without navigation function

The following iPod nano®, iPod touch®, and iPhone® devices can be used with this system.

Made for

- iPhone XS Max
- iPhone XS
- iPhone XR
- iPhone X
- iPhone 8
- iPhone 8 Plus
- iPhone 7
- iPhone 7 Plus
- iPhone SE
- iPhone 6s
- iPhone 6s Plus
- iPhone 6
- iPhone 6 Plus
- iPhone 5s
- iPhone 5c
- iPhone 5
- iPod touch (6th generation)
- iPod touch (5th generation)
- iPod nano (7th generation)

#### ► With navigation function

The following iPod touch® and iPhone® devices can be used with this system.

Made for

- iPhone X
- iPhone 8
- iPhone 8 Plus
- iPhone 7
- iPhone 7 Plus
- iPhone SE
- iPhone 6s

- iPhone 6s Plus
- iPhone 6
- iPhone 6 Plus
- iPhone 5s
- iPhone 5c
- iPhone 5
- iPod touch (6th generation)
- iPod touch (5th generation)

- This system only supports audio playback.
- Depending on differences between models or software versions etc., some models might be incompatible with this system.

### High-resolution sound source

This device supports high-resolution sound sources.

The definition of high-resolution is based on the standards of groups such as the CTA (Consumer Technology Association).

Supported formats and playable media are as follows.

#### ■ Supported formats

WAV, FLAC, ALAC, OGG Vorbis

#### ■ Playable media

USB

### File information

#### Compatible USB devices

USB communication formats	USB 2.0 HS (480 Mbps)
File formats	FAT 16/32
Correspondence class	Mass storage class

#### Compatible audio format

#### Compatible compressed files

Item	USB
Compatible file format	MP3/WMA/AAC
	WAV(LPCM)/FLAC /ALAC/OGG Vorbis
	MP4/AVI/WMV
Compatible file format (video)*	MP4/AVI/WMV
Folders in the device	Maximum 3000
Files in the device	Maximum 9999
Files per folder	Maximum 255

\*: USB video only

**Corresponding sampling frequency**

File type	Frequency (kHz)
MP3 files: MPEG 1 LAYER 3	32/44.1/48
MP3 files: MPEG 2 LSF LAYER 3	16/22.05/24
WMA files: Ver. 7, 8, 9 <sup>*1</sup> (9.1/9.2)	32/44.1/48
AAC files: MPEG4/AAC-LC	11.025/12/16/ 22.05/24/32/ 44.1/48
WAV(LPCM) files <sup>*2</sup>	8/11.025/12/16/ 22.05/24/32/ 44.1/48/88.2/ 96/176.4/192
FLAC <sup>*2</sup>	8/11.025/12/16/ 22.05/24/32/ 44.1/48/88.2/ 96/176.4/192
ALAC <sup>*2</sup>	8/11.025/12/16/ 22.05/24/32/ 44.1/48/64/ 88.2/96
OGG Vorbis <sup>*2</sup>	8/11.025/16/ 22.05/32/44.1/ 48

<sup>\*1</sup>: Only compatible with Windows  
Media Audio Standard

<sup>\*2</sup>: Sound source of 48kHz or more is  
down-converted to 48kHz/24bit.

**Corresponding bit rates<sup>\*1</sup>**

File type	Bit rate (kbps)
MP3 files: MPEG 1 LAYER 3	32 - 320
MP3 files: MPEG 2 LSF LAYER 3	8 - 160
WMA files: Ver. 7, 8	CBR 48 - 192
WMA files: Ver. 9 <sup>*2</sup> (9.1/9.2)	CBR 48 - 320
AAC files: MPEG4/AAC-LC	8 - 320
OGG Vorbis	32-500

<sup>\*1</sup>: Variable Bit Rate (VBR) compatible

<sup>\*2</sup>: Only compatible with Windows  
Media Audio Standard

File type	Quantization bit rate (bit)
WAV (LPCM) files	16/24
FLAC	
ALAC	

**Compatible channel modes**

File type	Channel mode
MP3 files	Stereo, joint stereo, dual channel and monaural
WMA files	2ch

File type	Channel mode
AAC files	1ch, 2ch (Dual channel is not supported)
WAV (LPCM)/ FLAC/ALAC/ OGG Vorbis	2ch

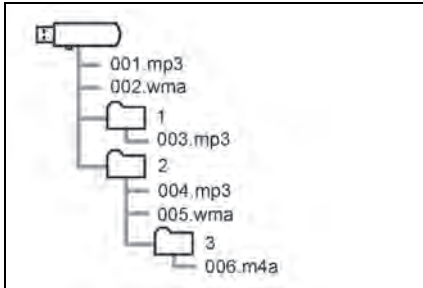
- MP3 (MPEG Audio Layer 3), WMA (Windows Media Audio) and AAC (Advanced Audio Coding) are audio compression standards.
- This system can play MP3/WMA/AAC files on USB memory.
- MP4, WMV and AVI files can use the following resolutions: 128x96, 160x120, 176x144 (QCIF), 320x240 (QVGA), 352x240 (SIF), 352x288 (CIF), 640x480 (VGA), 720x480 (NTSC), 720x576 (PAL)
- When naming an MP3/WMA/AAC file, add an appropriate file extension (.mp3/.wma/.m4a).
- This system plays back files with .mp3/.wma/.m4a file extensions as MP3/WMA/AAC files respectively. To prevent noise and playback errors, use the appropriate file extension.
- MP3 files are compatible with the ID3 Tag Ver. 1.0, Ver. 1.1, Ver. 2.2 and Ver. 2.3 formats. This system cannot display album title, track title and artist name in

other formats.

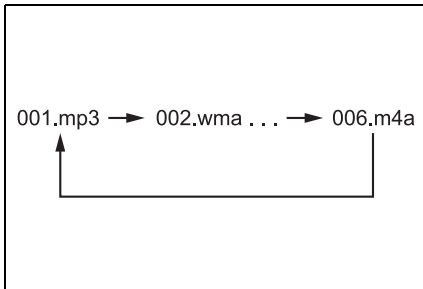
- WMA/AAC files can contain a WMA/AAC tag that is used in the same way as an ID3 tag. WMA/AAC tags carry information such as track title and artist name.
- The emphasis function is available only when playing MP3 files.
- This system can play back AAC files encoded by iTunes.
- The sound quality of MP3/WMA files generally improves with higher bit rates.
- m3u playlists are not compatible with the audio player.
- MP3i (MP3 interactive) and MP3PRO formats are not compatible with the audio player.
- The player is compatible with VBR (Variable Bit Rate).
- When playing back files recorded as VBR (Variable Bit Rate) files, the play time will not be correctly displayed if the fast forward or reverse operations are used.
- It is not possible to check folders that do not include MP3/WMA/AAC files.
- MP3/WMA/AAC files in folders up to 8 levels deep can be played. However, the start of playback may be delayed when using USB memory containing numerous levels of folders. For



this reason, we recommend creating USB memory with no more than 2 levels of folders.



- The play order of the USB memory with the structure shown above is as follows:



- The order changes depending on the personal computer and MP3/WMA/AAC encoding software you use.

### Compatible video format

Format	Codec
MPEG-4	Video codec:
	• H.264/MPEG-4 AVC
	• MPEG4
	Audio codec:
	• AAC
	• MP3
	Corresponding screen size:
	• MAX 1920×1080
	Corresponding frame rate:
	• MAX 60i/30p

Format	Codec
AVI Container	Video codec: <ul style="list-style-type: none"> <li>• H.264/MPEG-4 AVC</li> <li>• MPEG4</li> <li>• WMV9</li> <li>• WMV9 Advanced profile</li> </ul> Audio codec: <ul style="list-style-type: none"> <li>• AAC</li> <li>• MP3</li> <li>• WMA9.2 (7, 8, 9.1, 9.2)</li> </ul> Corresponding screen size: <ul style="list-style-type: none"> <li>• MAX 1920×1080</li> </ul> Corresponding frame rate: <ul style="list-style-type: none"> <li>• MAX 60i/30p</li> </ul>
Windows Media Video	Video codec: <ul style="list-style-type: none"> <li>• WMV9</li> <li>• WMV9 Advanced profile</li> </ul> Audio codec: <ul style="list-style-type: none"> <li>• WMA9.2 (7, 8, 9.1, 9.2)</li> </ul> Corresponding screen size: <ul style="list-style-type: none"> <li>• MAX 1920×1080</li> </ul> Corresponding frame rate: <ul style="list-style-type: none"> <li>• MAX 60i/30p</li> </ul>

## Terms

### ■ ID3 tag

- This is a method of embedding track related information in an MP3 file. This embedded information can include the track

number, track title, the artist's name, the album title, the music genre, the year of production, comments, cover art and other data. The contents can be freely edited using software with ID3 tag editing functions. Although the tags are restricted to a number of characters, the information can be viewed when the track is played back.

### ■ WMA tag

- WMA files can contain a WMA tag that is used in the same way as an ID3 tag. WMA tags carry information such as track title and artist name.

### ■ MP3

- MP3 is an audio compression standard determined by a working group (MPEG) of the ISO (International Standard Organization). MP3 compresses audio data to about 1/10 the size of that on conventional discs.

### ■ WMA

- WMA (Windows Media Audio) is an audio compression format developed by Microsoft®. It compresses files into a size smaller than that of MP3 files. The decoding formats for WMA files are Ver. 7, 8 and 9.

► Without navigation function

- Windows Media is either a registered trademark or trademark of Microsoft Corporation in the

United States and/or other countries.

This product is protected by certain intellectual property rights of Microsoft. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft.

- ▶ With navigation function
- Windows Media is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.

This product includes technology owned by Microsoft Corporation and cannot be used or distributed without a license from Microsoft Licensing, Inc.

#### ■ AAC

- AAC is short for Advanced Audio Coding and refers to an audio compression technology standard used with MPEG2 and MPEG4.

### Error messages

#### ■ USB

Message	Explanation
"USB error"	This indicates a problem in the USB memory or its connection.
"No music files found."	This indicates that no MP3/WMA/AAC files are included in the USB memory.
"No video files found."	This indicates that no video files are included in the USB memory.

#### ■ iPod

Message	Explanation
"iPod error"	This indicates a problem in the iPod or its connection.
"No music files found."	This indicates that there is no music data in the iPod.

Message	Explanation
"Check the iPod firmware version."	This indicates that the firmware version is not compatible. Perform the iPod firmware updates and try again.
"iPod authorization unsuccessful."	This indicates that it failed to authorize the iPod. Please check your iPod.

#### ■ Bluetooth® audio

Message	Explanation
"Music tracks not supported. Check your portable player."	This indicates a problem in the Bluetooth® device.

- 
- If the malfunction is not rectified, take your vehicle to your Toyota dealer.

## Speech command system

### 5

#### 5-1. Speech command system operation

Speech command system **150**

Command list.....**152**

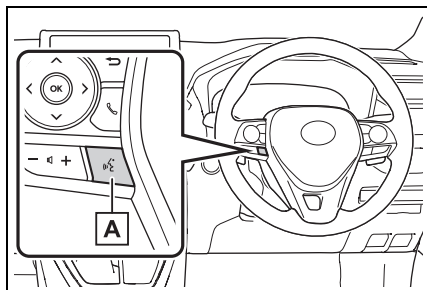
## Speech command system

The speech command system enables the radio, phone dialing, etc. to be operated using speech commands.

Refer to the command list for samples of speech commands. (→P.152)

## Using the speech command system

### Steering switch



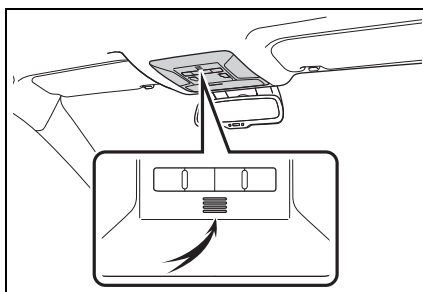
#### A Talk switch

- Press the talk switch to start the speech command system.
- To cancel the speech command, press and hold the talk switch.

When an Apple CarPlay/Android Auto connection is established:

- Press and hold the talk switch to start Siri/Google Assistant. To cancel Siri/Google Assistant, press the talk switch.

### Microphone



- It is unnecessary to speak directly into the microphone when giving a command.
- Wait for the confirmation beep before speaking a command.
- Speech commands may not be recognized if:
  - Spoken too quickly.
  - Spoken at a low or high volume.
  - The roof or windows are open.
  - Passengers are talking while speech commands are spoken.
  - The fan speed of the air conditioning system is set at high.
  - The air conditioning vents are turned towards the microphone.
- In the following conditions, the system may not recognize the command properly and using speech commands may not be possible:
  - The command is incorrect or unclear. Note that certain words, accents or speech patterns may be difficult for the system to recognize.
  - There is excessive background noise, such as wind noise.
- This system may not operate immediately after the engine switch <power switch> is in ACC or ON.



#### NOTICE



- Do not touch and put a sharp object to the microphone. It may cause failure.

## Speech command system operation

The speech command system is operated by saying commands which correspond to a supported function. To display examples of commands for supported functions, select a function button on the screen after starting the speech command system.

- 1 Press the talk switch.
  - 2 After hearing a beep, say a supported command.
- To display sample commands of the desired function, say the desired function or select the desired function button. To display more commands, select "More hints".
  - Selecting "Help" or saying "Help" prompts speech command system to offer examples of commands and operation methods.
  - Voice guidance for the speech command system can be skipped by pressing the talk switch.
  - Registered names in the contacts list etc., can be said in the place of the "< >" next to the commands. (→P.152)  
For example: Say "Call John Smith" etc.
  - If a desired outcome is not shown, or if no selections are available, perform one of the fol-

lowing to return to the previous screen:

- Say "Go back".
  - Select .
  - To cancel voice recognition, select , press and hold the talk switch, or say "Cancel".
  - To perform the speech command operation again, select "Start over" or say "Start over".
  - To suspend speech command operation, select "Pause" or say "Pause". To resume the speech command operation, select "Resume" or press the talk switch.
- 
- If the system does not respond or the confirmation screen does not disappear, press the talk switch and try again.
  - If a speech command cannot be recognized 3 consecutive times, the speech command system will be canceled.
  - Voice recognition prompts can be set to on or off on the voice settings screen. (→P.58)

This function can be used to cancel voice guidance by turning the voice prompts off. When you press the talk switch while using this setting, a beep sounds, and then you can immediately say a command.

## Command list

### Command list overview

Recognizable speech commands and their actions are shown below.

- Frequently used commands are listed in the following tables.
- For devices that are not installed to the vehicle, commands relating to that device may not be displayed on the screen. Also, depending on other conditions, such as compatibility, some commands may not be displayed on the screen.
- The functions available may vary according to the system installed.
- When an Apple CarPlay/Android Auto connection is established, some commands will become unavailable.

### Command list

#### ■ Common

Command	Action
"Go back"	Returns to the previous screen
"Help"	Prompts voice guidance to offer examples of commands or operation methods
"Cancel"	Cancels the speech command system
"Start over"	Returns to top menu screen
"Pause"	Temporarily pauses a voice session until it is resumed by pressing the talk switch again

#### ■ Top menu

Command	Action
"Go to <function>"	Displays the command list of the selected function
"More hints"	Displays more commonly used commands



## ■ Navigation<sup>\*1</sup>

Command	Action
"Go home"	Displays the route to home
"Enter an address"	Enables setting a destination by saying the address
"Find <POI category>"	Displays a list of <POI category <sup>*2</sup> >
"Cancel route"	Cancels the route guidance
"Show <POI category> icons"	Displays the specified <POI category <sup>*2</sup> > icons on the map
"Previous destination"	Displays previous destinations

<sup>\*1</sup>: With navigation function

<sup>\*2</sup>: For example; "Petrol stations", "Restaurants", etc.

## ■ Phone

Command	Action
"Dial <phone number>"	Places a call to the specified phone number
"Show recent calls"	Displays the call history screen
"Call <contacts>"	Places a call to the specified contact from the phone book
"Call <contacts> at <phone type>"	Places a call to the specified phone type of the contact from the phone book
"Redial"	Places a call to the phone number of the latest outgoing call
"Call back"	Places a call to the phone number of latest incoming call

## ■ While in a phone call

Command	Action
"<digits>"	Sends the tones of the specified digits

## ■ Audio

Command	Action
"Play artist <artist name>" <sup>*1</sup>	Plays tracks from the selected artist
"Play album <album name>" <sup>*1</sup>	Plays tracks from the selected album

Command	Action
"Play playlist <playlist name>" <sup>*1, 2</sup>	Plays tracks from the selected playlist
"Play song <song>" <sup>*1</sup>	Plays the selected track
"USB"	Selects USB audio mode that is connected first
"USB2"	Selects USB audio mode that is connected last
"iPod"	Selects iPod audio mode that is connected first
"iPod2"	Selects iPod audio mode that is connected last
"Bluetooth audio"	Selects Bluetooth <sup>®</sup> audio mode
"Android Auto" <sup>*3</sup>	Selects Android Auto music

<sup>\*1</sup>: The audio device must be connected via a USB cable to use the functionality

<sup>\*2</sup>: Available only for iPod/iPhone

<sup>\*3</sup>: Available when an Android Auto connection is established.

## ■ Radio

Command	Action
"Tune to <frequency> AM"	Changes the radio to the specified AM frequency
"Tune to <frequency> FM"	Changes the radio to the specified FM frequency
"Tune to preset <preset number> AM"	Changes the radio to the specified AM preset radio station
"Tune to preset <preset number> FM"	Changes the radio to the specified FM preset radio station
"AM radio"	Selects AM radio mode
"FM radio"	Selects FM radio mode
"DAB" <sup>*</sup>	Selects DAB mode

<sup>\*</sup>: With navigation function

## ■ Apps

Command	Action
"Launch <apps name>"*	Activates the specified application

\* : This command can only be used with installed applications.

- 
- Commands relating to operation of the audio/visual systems can only be performed when the audio/visual systems are turned on.



## Peripheral monitoring system

### 6

#### 6-1. Rear view monitor system

Rear view monitor system **158**

Rear view monitor system precautions ..... **160**

Things you should know ... **165**

#### 6-2. Toyota parking assist monitor

Toyota parking assist monitor ..... **167**

Estimated course line display mode ..... **170**

Parking assist guide line display mode ..... **171**

Distance guide line display mode ..... **172**

Toyota parking assist monitor precautions ..... **173**

Things you should know ... **178**

#### 6-3. Panoramic view monitor

Panoramic view monitor ... **180**

Checking around the vehicle ..... **186**

Checking the front and around the vehicle ..... **187**

Checking the sides of the vehicle ..... **190**

Checking the rear and around the vehicle ..... **193**

When folding the outside rear view mirrors ..... **200**

Magnifying function..... **201**

Customizing the panoramic view monitor ..... **202**

Panoramic view monitor precautions ..... **203**

Things you should know ... **213**

## Rear view monitor system\*

\*: If equipped

**The rear view monitor system assists the driver by displaying an image of the view behind the vehicle with fixed guide lines on the screen while backing up, for example while parking.**

- The screen illustrations used in this text are intended as examples, and may differ from the image that is actually displayed on the screen.

### Driving precautions

The rear view monitor system is a supplemental device intended to assist the driver when backing up. When backing up, be sure to visually check all around the vehicle both directly and using the mirrors before proceeding. If you do not, you may hit another vehicle, and could possibly cause an accident. Pay attention to the following precautions when using the rear view monitor system.



#### WARNING

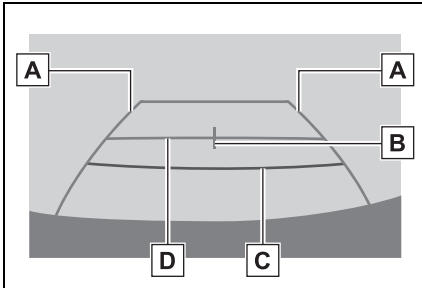
- Never depend on the rear view monitor system entirely when backing up. The image and the position of the guide lines displayed on the screen may differ from the actual state. Use caution, just as you would when backing up any vehicle.

- Be sure to back up slowly, depressing the brake pedal to control vehicle speed.
- The instructions given are only guide lines. When and how much to turn the steering wheel will vary according to traffic conditions, road surface conditions, vehicle condition, etc. when parking. It is necessary to be fully aware of this before using the rear view monitor system.
- When parking, be sure to check that the parking space will accommodate your vehicle before maneuvering into it.
- Do not use the rear view monitor system in the following cases:
  - On icy or slick road surfaces, or in snow
  - When using tyre chains or emergency tyres
  - When the back door is not closed completely
  - On roads that are not flat or straight, such as curves or slopes
- In low temperatures, the screen may darken or the image may become faint. The image could distort when the vehicle is moving, or you may become unable to see the image on the screen. Be sure to visually check all around the vehicle both directly and using the mirrors before proceeding.
- If the tyre sizes are changed, the position of the fixed guide lines displayed on the screen may change.
- The camera uses a special lens. The distances between objects and pedestrians that appear in the image displayed on the screen will differ from the actual distances. (→P.161)

## Screen description

The rear view monitor system screen will be displayed if the shift lever is shifted to the "R" position while the engine switch <power switch> is in ON.

the "R" position.



### **A** Vehicle width guide line

Displays a guide path when the vehicle is being backed straight up.

- The displayed width is wider than the actual vehicle width.

### **B** Vehicle centre guide line

This line indicates the estimated vehicle centre on the ground.

### **C** Distance guide line

Shows distance behind the vehicle.

- Displays a point approximately 0.5 m (red) from the edge of the bumper.

### **D** Distance guide line

Shows distance behind the vehicle.

- Displays a point approximately 1 m (blue) from the edge of the bumper.

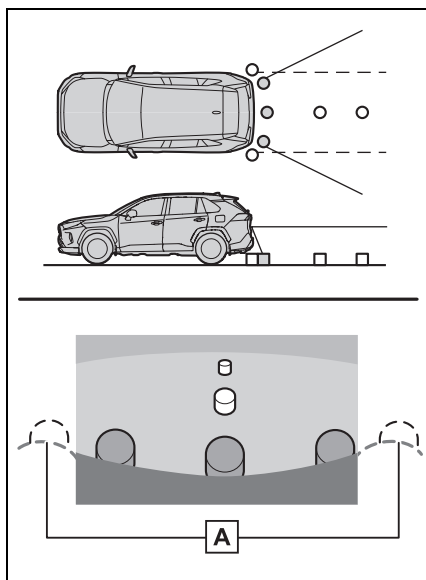
## Canceling rear view monitor system

The rear view monitor system is canceled when the shift lever is shifted into any position other than

## Rear view monitor system precautions

### Area displayed on screen

The rear view monitor system displays an image of the view from the bumper of the rear area of the vehicle.



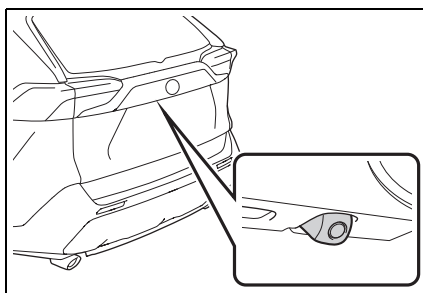
#### **A** Corners of bumper

- The area around both corners of the bumper will not be displayed.
- The image adjustment procedure for the rear view monitor system screen is the same as the procedure for adjusting the screen. (→P.31)
- The area displayed on the screen may vary according to vehicle orientation conditions.
- Objects which are close to either corner of the bumper or under the bumper cannot be displayed.

- The camera uses a special lens. The distance of the image that appears on the screen differs from the actual distance.
- Items which are located higher than the camera may not be displayed on the monitor.

### The camera

The camera for the rear view monitor system is located as shown in the illustration.



#### ■ Using the camera

If dirt or foreign matter (such as water droplets, snow, mud, etc.) is adhering to the camera, it cannot transmit a clear image. In this case, flush it with a large quantity of water and wipe the camera lens clean with a soft and wet cloth.



**NOTICE**

- The rear view monitor system may not operate properly in the following cases.
  - If the back of the vehicle is hit, the position and mounting angle of the camera may change.
  - As the camera has a water proof construction, do not detach, disassemble or modify it. This may cause incorrect operation.
  - When cleaning the camera lens, flush the camera with a large quantity of water and wipe it with a soft and wet cloth. Strongly rubbing the camera lens may cause the camera lens to be scratched and unable to transmit a clear image.
  - Do not allow organic solvent, car wax, window cleaner or a glass coating to adhere to the camera. If this happens, wipe it off as soon as possible.
  - If the temperature changes rapidly, such as when hot water is poured on the vehicle in cold weather, the system may not operate normally.
  - When washing the vehicle, do not apply intensive bursts of water to the camera or camera area. Doing so may result in the camera malfunctioning.
- Do not expose the camera to strong impact as this could cause a malfunction. If this happens, have the vehicle inspected by your Toyota dealer as soon as possible.

Be sure to check visually.

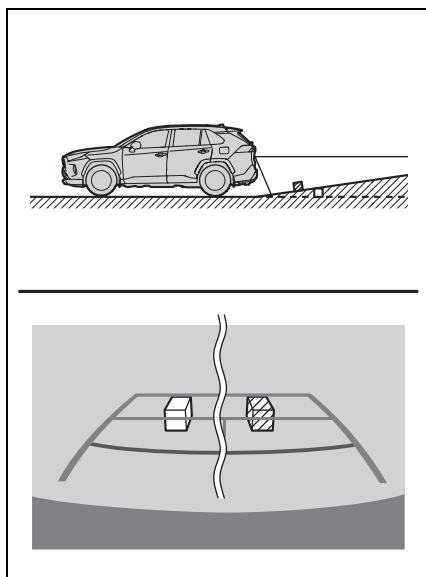
- The distances between the vehicle width guide lines and the left and right dividing lines of the parking space may not be equal, even when they appear to be so. Be sure to check visually.
- The distance guide lines give a distance guide for flat road surfaces. In any of the following situations, there is a margin of error between the guide lines on the screen and the actual distance/course on the road.

■ **When the ground behind the vehicle slopes up sharply**

The distance guide lines will appear to be closer to the vehicle than the actual distance. Because of this, objects will appear to be farther away than they actually are. In the same way, there will be a margin of error between the guide lines and the actual distance/course on the road.

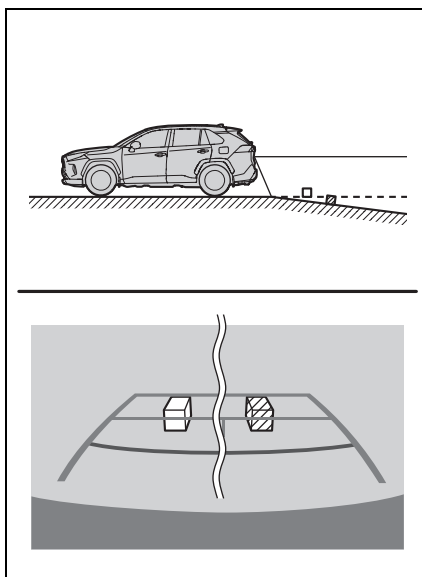
### Differences between the screen and the actual road

- The distance guide lines and the vehicle width guide lines may not actually be parallel with the dividing lines of the parking space, even when they appear to be so.



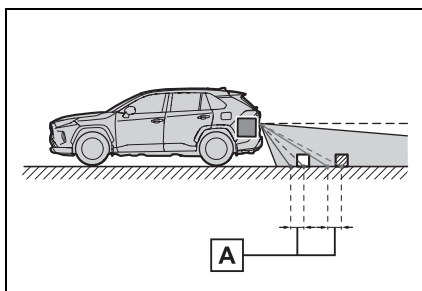
### ■ When the ground behind the vehicle slopes down sharply

The distance guide lines will appear to be farther from the vehicle than the actual distance. Because of this, objects will appear to be closer than they actually are. In the same way, there will be a margin of error between the guide lines and the actual distance/course on the road.



### ■ When any part of the vehicle sags

When any part of the vehicle sags due to the number of passengers or the distribution of the load, there is a margin of error between the fixed guide lines on the screen and the actual distance/course on the road.



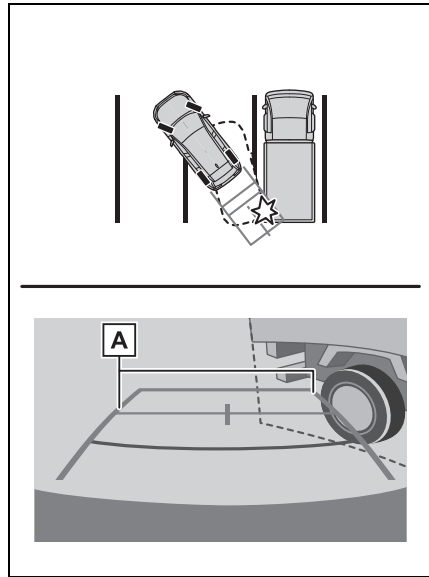
**A** A margin of error

### When approaching three-dimensional objects

The distance guide lines are displayed according to flat surfaced objects (such as the road). It is not possible to determine the position of three-dimensional objects (such as vehicles) using the vehicle width guide lines and distance guide lines. When approaching a three-dimensional object that extends outward (such as the flatbed of a truck), be careful of the following.

#### ■ Vehicle width guide lines

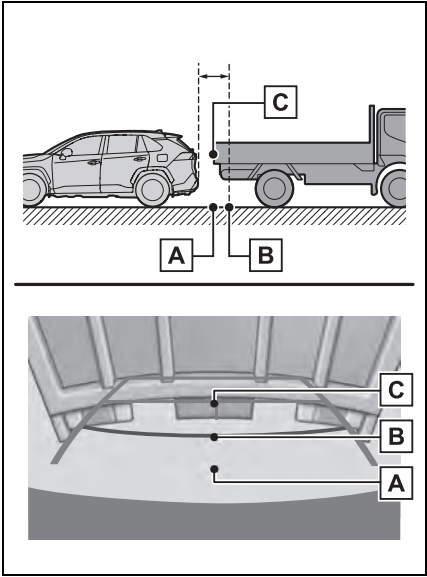
Visually check the surroundings and the area behind the vehicle. In the case shown below, the truck appears to be outside of the vehicle width guide lines and the vehicle does not look as if it hits the truck. However, the rear body of the truck may actually cross over the vehicle width guide lines. In reality if you back up as guided by the vehicle width guide lines, the vehicle may hit the truck.



**A** Vehicle width guide lines

#### ■ Distance guide lines

Visually check the surroundings and the area behind the vehicle. On the screen, it appears that a truck is parking at point **B**. However, in reality if you back up to point **A**, you will hit the truck. On the screen, it appears that **A** is closest and **C** is farthest away. However, in reality, the distance to **A** and **C** is the same, and **B** is farther than **A** and **C**.



## Things you should know

### If you notice any symptoms

If you notice any of the following symptoms, refer to the likely cause and the solution, and re-check.

If the symptom is not resolved by the solution, have the vehicle inspected by your Toyota dealer.

Symptom	Likely cause	Solution
The image is difficult to see	<ul style="list-style-type: none"> <li>• The vehicle is in a dark area</li> <li>• The temperature around the lens is either high or low</li> <li>• The outside temperature is low</li> <li>• There are water droplets on the camera</li> <li>• It is raining or humid</li> <li>• Foreign matter (mud etc.) is adhering to the camera</li> <li>• Sunlight or headlights are shining directly into the camera</li> <li>• The vehicle is under fluorescent lights, sodium lights, mercury lights etc.</li> </ul>	<p>Back up while visually checking the vehicle's surroundings. (Use the monitor again once conditions have been improved.)</p> <p>The procedure for adjusting the picture quality of the rear view monitor system is the same as the procedure for adjusting the screen. (→P.31)</p>
The image is blurry	Dirt or foreign matter (such as water droplets, snow, mud etc.) is adhering to the camera.	Flush the camera with a large quantity of water and wipe the camera lens clean with a soft and wet cloth.
The image is out of alignment	The camera or surrounding area has received a strong impact.	Have the vehicle inspected by your Toyota dealer.

Symptom	Likely cause	Solution
The fixed guide lines are very far out of alignment	The camera position is out of alignment.	Have the vehicle inspected by your Toyota dealer.
	<ul style="list-style-type: none"><li>• The vehicle is tilted (there is a heavy load on the vehicle, tyre pressure is low due to a tyre puncture, etc.)</li><li>• The vehicle is used on an incline.</li></ul>	<p>If this happens due to these causes, it does not indicate a malfunction.</p> <p>Back up while visually checking the vehicle's surroundings.</p>

## Toyota parking assist monitor\*

\*: If equipped

**The parking assist monitor assists the driver by displaying an image of the view behind the vehicle while backing up, for example while parking.**

**When the display is changed to the wide rear view mode, a wider lateral view behind the vehicle will be displayed.**

- The screen illustrations used in this text are intended as examples, and may differ from the image that is actually displayed on the screen.

### Driving precautions

The parking assist monitor is a supplemental device intended to assist the driver when backing up. When backing up, be sure to visually check all around the vehicle both directly and using the mirrors before proceeding. If you do not, you may hit another vehicle, and could possibly cause an accident.

Pay attention to the following precautions when using the parking assist monitor.



### WARNING

- Never depend on the parking assist monitor entirely when backing up. The image and the position of the guide lines displayed on the screen may differ from the actual state. Use caution, just as you would when backing up any vehicle.
- Be sure to back up slowly, depressing the brake pedal to control vehicle speed.
- If you seem likely to hit nearby vehicles, obstacles, people or mount the shoulder, depress the brake pedal to stop the vehicle.
- The instructions given are only guidelines. When and how much to turn the steering wheel will vary according to traffic conditions, road surface conditions, vehicle condition, etc. when parking. It is necessary to be fully aware of this before using the parking assist system.
- When parking, be sure to check that the parking space will accommodate your vehicle before maneuvering into it.
- Do not use the parking assist monitor in the following cases:
  - On icy or slick road surfaces, or in snow
  - When using tire chains or emergency tires
  - When the back door is not closed completely
  - On roads that are not flat or straight, such as curves or slopes
  - If the suspension has been modified or tires of a size other than specified are installed

### ⚠ WARNING

- In low temperatures, the screen may darken or the image may become faint. The image could distort when the vehicle is moving, or you may become unable to see the image on the screen. Be sure to visually check all around the vehicle both directly and using the mirrors before proceeding.
- If the tire sizes are changed, the position of the guide lines displayed on the screen may change.
- The camera uses a special lens. The distances between objects and pedestrians that appear in the image displayed on the screen will differ from the actual distances. (→P.174)

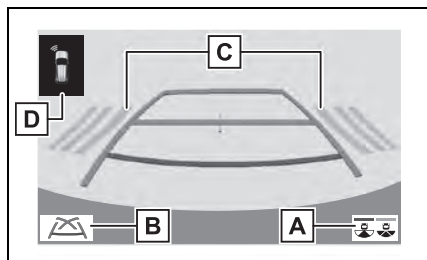
### Screen display

The parking assist monitor screen will be displayed if the shift lever is shifted to the "R" while the engine switch <power switch> is in ON.

Each time the display mode switching button is selected, the mode will change as follows:

#### ► Rear view

Displays the rear view of the vehicle.



- A** Display mode switching button  
Each time the button is selected, the

rear view mode and the wide rear view mode are switched.

#### **B** Guide line switching button

Select to switch the guide line mode.  
(→P.169)

- Each time the button is selected, the display mode changes in the following order:

Estimated course line display mode →  
Parking assist guide line display mode  
→ Distance guide line display mode.

#### **C** Rear Cross Traffic Alert\*

When a sensor detects an obstacle, the direction of obstacle is displayed and the buzzer sounds.

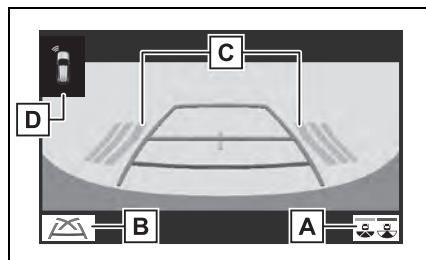
#### **D** Toyota parking assist-sensor\*

When a sensor detects an obstacle, the direction of and the approximate distance to the obstacle are displayed and the buzzer sounds.

\*: If equipped

#### ► Wide rear view

Displays a near 180° image from the rear view camera.



- A** Display mode switching button  
Each time the button is selected, the rear view mode and the wide rear view mode are switched.

- B** Guide line switching button  
Select to switch the guide line mode.



(→P.169)

- Each time the button is selected, the display mode changes in the following order:

Estimated course line display mode →

Parking assist guide line display mode →

Distance guide line display mode.

### **C** Rear Cross Traffic Alert\*

When a sensor detects an obstacle, the direction of obstacle is displayed and the buzzer sounds.

### **D** Toyota parking assist-sensor\*

When a sensor detects an obstacle, the direction of and the approximate distance to the obstacle are displayed and the buzzer sounds.

\*: If equipped

- For details about the Rear Cross Traffic Alert function and Toyota parking assist-sensor, refer to the "Owner's Manual".



### **WARNING**

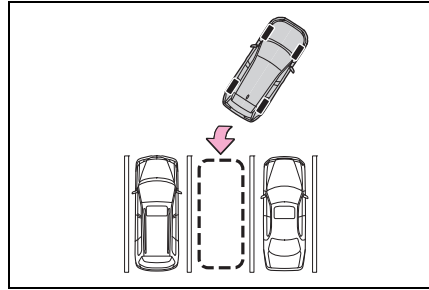
- As the Rear Cross Traffic Alert display is displayed over the camera view, it may be difficult to see the Rear Cross Traffic Alert display depending on the color and brightness of the surrounding area.

### **Canceling Toyota parking assist monitor**

The parking assist monitor is canceled when the shift lever is shifted into any position other than the "R".

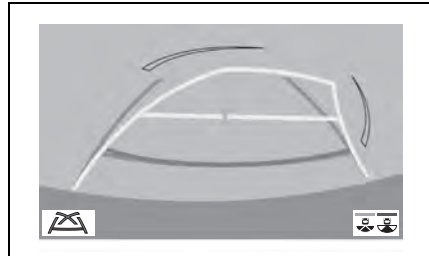
### **Using the system**

Use any of the following modes.



- Estimated course line display mode (→P.170)

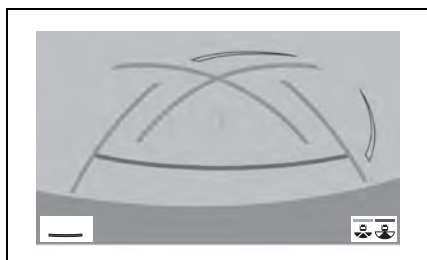
Estimated course lines are displayed which move in accordance with the operation of the steering wheel.



- Parking assist guide line display mode (→P.171)

The steering wheel return points (parking assist guide lines) are displayed.

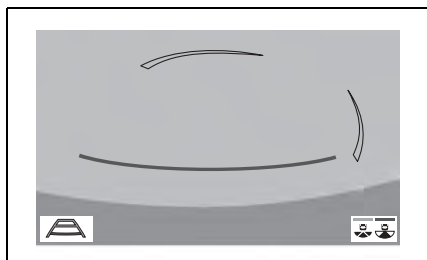
This mode is recommended for those who are comfortable with parking the vehicle without the aid of the estimated course lines.



- Distance guide line display mode  
(→P.172)

Distance guide lines only are displayed.

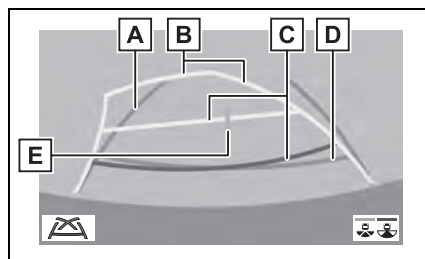
This mode is recommended for those who are comfortable with parking the vehicle without the aid of the guide lines.



## Estimated course line display mode

### Screen description

- Rear view



#### A Vehicle width guide lines

Displays a guide path when the vehicle is being backed straight up.

#### B Estimated course lines

Show an estimated course when the steering wheel is turned.

#### C Distance guide lines

Show distance behind the vehicle when the steering wheel is turned.

- The guide lines move in conjunction with the estimated course lines.
- The guide lines display points approximately 0.5 m (red) and approximately 1 m (yellow) from the center of the edge of the bumper.

#### D Distance guide line

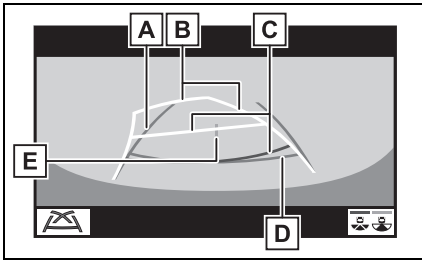
Shows distance behind the vehicle.

- Displays a point approximately 0.5 m (blue) from the edge of the bumper.

#### E Vehicle center guide line

Indicates the estimated vehicle center on the ground.

## ► Wide rear view

**A** Vehicle width guide lines

Displays a guide path when the vehicle is being backed straight up.

**B** Estimated course lines

Show an estimated course when the steering wheel is turned.

**C** Distance guide lines

Show distance behind the vehicle when the steering wheel is turned.

- The guide lines move in conjunction with the estimated course lines.
- The guide lines display points approximately 0.5 m (red) and approximately 1 m (yellow) from the center of the edge of the bumper.

**D** Distance guide line

Shows distance behind the vehicle.

- Displays a point approximately 0.5 m (blue) from the edge of the bumper.

**E** Vehicle center guide line

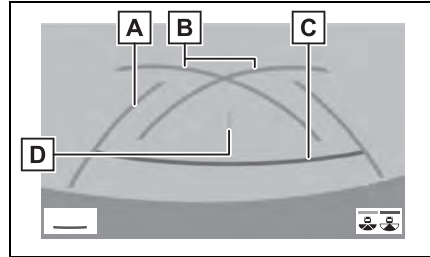
Indicates the estimated vehicle center on the ground.

**WARNING**

- If the steering wheel is straight and the vehicle width guide lines and the estimated course lines are not in alignment, have the vehicle inspected by your Toyota dealer.

**Parking assist guide line display mode****Screen description**

## ► Rear view

**A** Vehicle width guide lines

Displays a guide path when the vehicle is being backed straight up.

- The displayed width is wider than the actual vehicle width.

**B** Parking assist guide lines

Show the path of the smallest turn possible behind the vehicle.

**C** Distance guide line

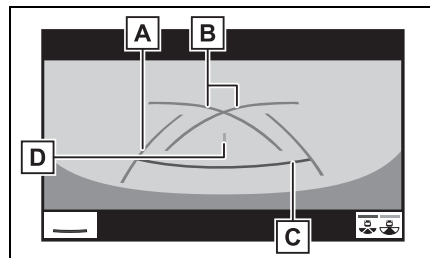
Shows distance behind the vehicle.

- Displays points approximately 0.5 m (red) from the edge of the bumper.

**D** Vehicle center guide line

Indicates the estimated vehicle center on the ground.

## ► Wide rear view



### A Vehicle width guide lines

Displays a guide path when the vehicle is being backed straight up.

- The displayed width is wider than the actual vehicle width.

### B Parking assist guide lines

Show the path of the smallest turn possible behind the vehicle.

### C Distance guide line

Shows distance behind the vehicle.

- Displays points approximately 0.5 m (red) from the edge of the bumper.

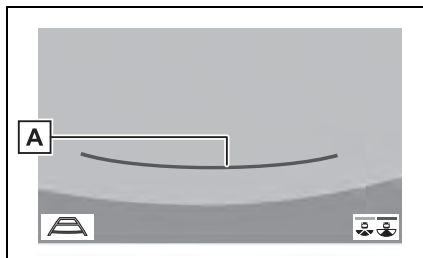
### D Vehicle center guide line

Indicates the estimated vehicle center on the ground.

## Distance guide line display mode

### Screen description

#### ► Rear view

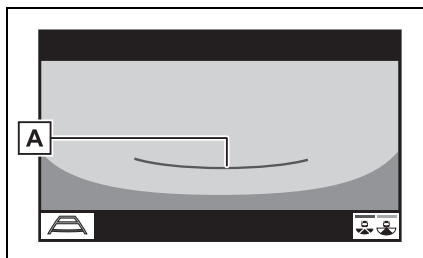


### A Distance guide line

Shows distance behind the vehicle.

- Displays points approximately 0.5 m (red) from the edge of the bumper.

#### ► Wide rear view



### A Distance guide line

Shows distance behind the vehicle.

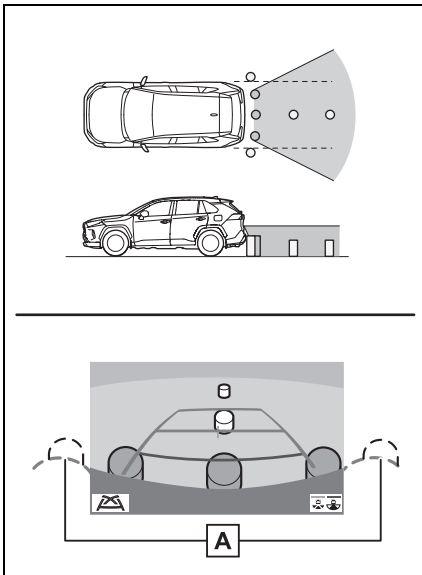
- Displays points approximately 0.5 m (red) from the edge of the bumper.

## Toyota parking assist monitor precautions

### Area displayed on screen

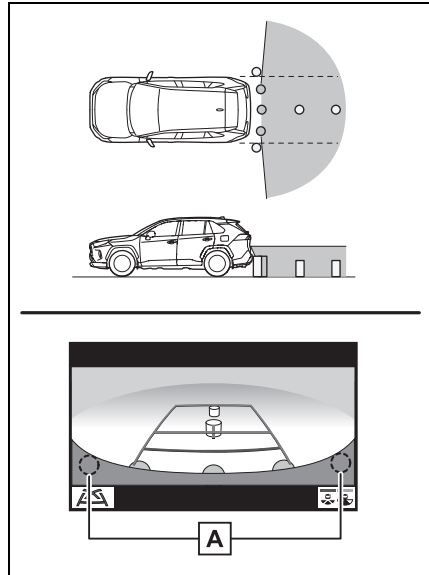
The parking assist monitor displays an image of the view from the bumper of the rear area of the vehicle.

#### ► Rear view



#### **A** Corners of bumper

- The area around both corners of the bumper will not be displayed.
- Wide rear view

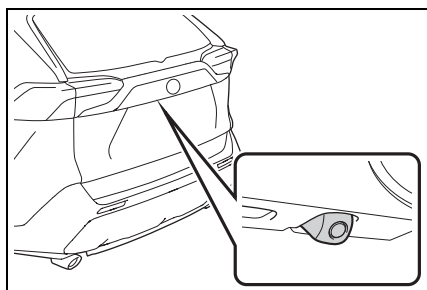


#### **A** Corners of bumper

- The area around both corners of the bumper will not be displayed.
- The image adjustment procedure for the parking assist monitor screen is the same as the procedure for adjusting the screen display. (→P.31)
- The area displayed on the screen may vary according to vehicle orientation conditions.
- Objects which are close to either corner of the bumper or under the bumper cannot be displayed.
- The camera uses a special lens. The distance of the image that appears on the screen differs from the actual distance.
- Items which are located higher than the camera may not be displayed on the monitor.

## The camera

The camera for the parking assist monitor is located as shown in the illustration.



## ■ Using the camera

If dirt or foreign matter (such as water droplets, snow, mud, etc.) is adhering to the camera, it cannot transmit a clear image. In this case, flush it with a large quantity of water and wipe the camera lens clean with a soft and wet cloth.



## NOTICE

- The parking assist monitor may not operate properly in the following cases.
  - If the back of the vehicle is hit, the position and mounting angle of the camera may change.
  - As the camera has a water proof construction, do not detach, disassemble or modify it. This may cause incorrect operation.
  - When cleaning the camera lens, flush the camera with a large quantity of water and wipe it with a soft and wet cloth. Strongly rubbing the camera lens may cause the camera lens to be scratched and unable to transmit a clear image.
  - Do not allow organic solvent, car wax, window cleaner or a glass coating to adhere to the camera. If this happens, wipe it off as soon as possible.
  - If the temperature changes rapidly, such as when hot water is poured on the vehicle in cold weather, the system may not operate normally.
  - When washing the vehicle, do not apply intensive bursts of water to the camera or camera area. Doing so may result in the camera malfunctioning.
- Do not expose the camera to strong impact as this could cause a malfunction. If this happens, have the vehicle inspected by your Toyota dealer as soon as possible.

## Differences between the screen and the actual road

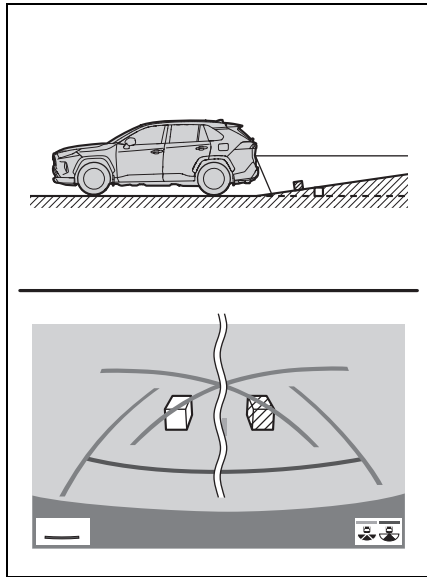
- The distance guide lines and the vehicle width guide lines may not actually be parallel with the dividing lines of the parking space, even when they appear to be so.

Be sure to check visually.

- The distances between the vehicle width guide lines and the left and right dividing lines of the parking space may not be equal, even when they appear to be so. Be sure to check visually.
- The distance guide lines give a distance guide for flat road surfaces. In any of the following situations, there is a margin of error between the fixed guide lines on the screen and the actual distance/course on the road.

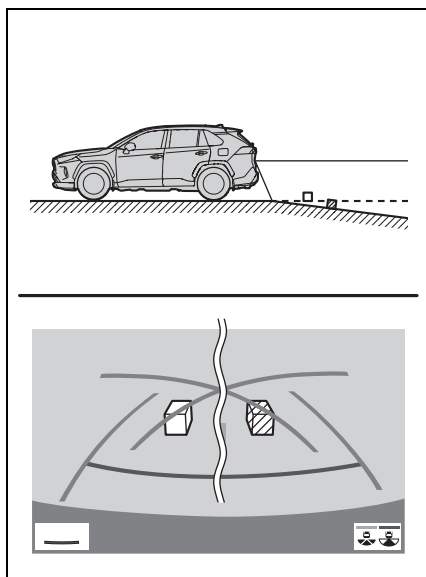
■ **When the ground behind the vehicle slopes up sharply**

The distance guide lines will appear to be closer to the vehicle than the actual distance. Because of this, objects will appear to be farther away than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance/course on the road.



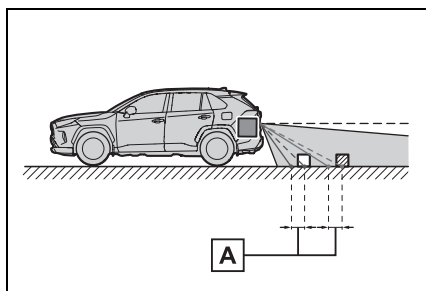
■ **When the ground behind the vehicle slopes down sharply**

The distance guide lines will appear to be farther from the vehicle than the actual distance. Because of this, objects will appear to be closer than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance/course on the road.



### ■ When any part of the vehicle sags

When any part of the vehicle sags due to the number of passengers or the distribution of the load, there is a margin of error between the guide lines on the screen and the actual distance/course on the road.



**A** A margin of error

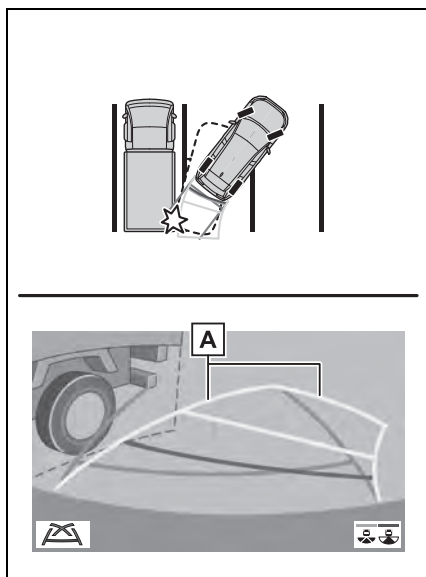
## When approaching three-dimensional objects

The estimated course lines target flat surfaced objects (such as the road). It is not possible to determine the position of three-dimensional objects (such as vehicles) using the estimated course lines and distance guide lines. When approaching a three-dimensional object that extends outward (such as the flat-bed of a truck), be careful of the following.

### ■ Estimated course lines

Visually check the surroundings and the area behind the vehicle. In the case shown below, the truck appears to be outside of the estimated course lines and the vehicle does not look as if it hits the truck. However, the rear body of the truck may actually cross over the estimated course lines. In reality if you back up as guided by the estimated course lines, the vehicle may hit the truck.

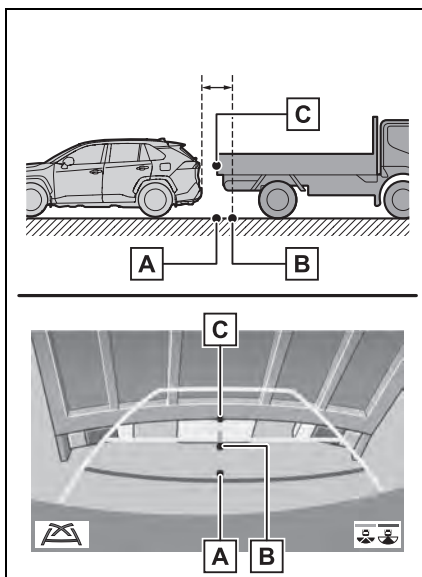




**A** Estimated course lines

#### ■ Distance guide lines

Visually check the surroundings and the area behind the vehicle. On the screen, it appears that a truck is parking at point **B**. However, in reality if you back up to point **A**, you will hit the truck. On the screen, it appears that **A** is closest and **C** is farthest away. However, in reality, the distance to **A** and **C** is the same, and **B** is farther than **A** and **C**.




## Things you should know

### If you notice any symptoms

If you notice any of the following symptoms, refer to the likely cause and the solution, and re-check.

If the symptom is not resolved by the solution, have the vehicle inspected by your Toyota dealer.

Symptom	Likely cause	Solution
The image is difficult to see	<ul style="list-style-type: none"> <li>• The vehicle is in a dark area</li> <li>• The temperature around the lens is either high or low</li> <li>• The outside temperature is low</li> <li>• There are water droplets on the camera</li> <li>• It is raining or humid</li> <li>• Foreign matter (mud etc.) is adhering to the camera</li> <li>• Sunlight or headlights are shining directly into the camera</li> <li>• The vehicle is under fluorescent lights, sodium lights, mercury lights etc.</li> </ul>	<p>Back up while visually checking the vehicle's surroundings. (Use the monitor again once conditions have been improved.)</p> <p>The procedure for adjusting the picture quality of the parking assist monitor is the same as the procedure for adjusting the screen display. (→P.31)</p>
The image is blurry	Dirt or foreign matter (such as water droplets, snow, mud etc.) is adhering to the camera.	Flush the camera with a large quantity of water and wipe the camera lens clean with a soft and wet cloth.
The image is out of alignment	The camera or surrounding area has received a strong impact.	Have the vehicle inspected by your Toyota dealer.

Symptom	Likely cause	Solution
The guide lines are very far out of alignment	The camera position is out of alignment.	Have the vehicle inspected by your Toyota dealer.
	<ul style="list-style-type: none"> <li>• The vehicle is tilted (there is a heavy load on the vehicle, tire pressure is low due to a tire puncture, etc.)</li> <li>• The vehicle is used on an incline.</li> </ul>	<p>If this happens due to these causes, it does not indicate a malfunction.</p> <p>Back up while visually checking the vehicle's surroundings.</p>
The estimated course lines move even though the steering wheel is straight	There is a malfunction in the signals being output by the steering sensor.	Have the vehicle inspected by your Toyota dealer.
Guide lines are not displayed	The back door is open.	<p>Close the back door.</p> <p>If this does not resolve the symptom, have the vehicle inspected by your Toyota dealer.</p>
 is displayed	<ul style="list-style-type: none"> <li>• 12-volt battery has been reinstalled.</li> <li>• The steering wheel has been moved while the 12-volt battery was being reinstalled.</li> <li>• 12-volt battery power is low.</li> <li>• The steering sensor has been reinstalled.</li> <li>• There is a malfunction in the signals being output by the steering sensor.</li> </ul>	<p>Stop the vehicle, and turn the steering wheel as far as it will go to the left and right.</p> <p>If this does not resolve the symptom, have the vehicle inspected by your Toyota dealer.</p>

## Panoramic view monitor\*

\*: If equipped

**Panoramic view monitor assists the driver in viewing the surroundings, when operating at low speeds, by combining the front, side and rear cameras and displaying a complete vehicle overhead image on the screen.**

**When you press the camera switch or shift the shift lever to the “R” position while the engine switch <power switch> is in ON, the panoramic view monitor operates.**

**The monitor displays various views of the position and surroundings of the vehicle.**

- The screen illustrations used in this text are intended as examples, and may differ from the image that is actually displayed on the screen.

## Driving precautions

The panoramic view monitor is a supplemental device intended to assist the driver when checking around the vehicle. When using, be sure to visually check all around the vehicle both directly and using the mirrors before proceeding. If you do not, you may hit another vehicle or possibly cause an accident.

Pay attention to the following pre-

cautions when using the panoramic view monitor.



### WARNING

- Never depend on the panoramic view monitor entirely. The image and the position of the guide lines displayed on the screen may differ from the actual state. Use caution just as you would when driving any other vehicle.
- Always make sure to check all around the vehicle with your own eyes when driving.
- Never drive while looking only at the screen as the image on the screen is different from actual conditions. If you are driving while looking only at the screen, you may hit a person or an object, resulting in an accident. When driving, be sure to check the vehicle's surroundings with your own eyes and the vehicle's mirrors.
- Depending on the circumstances of the vehicle (number of passengers, amount of luggage, etc.), the position of the guide lines displayed on the screen may change. Be sure to check visually around the vehicle before proceeding.
- Do not use the panoramic view monitor system in the following cases:
  - On icy or slick road surfaces, or in snow
  - When using tyre chains or emergency tyres
  - When the front door or the back door is not closed completely
  - On roads that are not flat or straight, such as curves or slopes
  - If the suspension has been modified or tyres of a size other than specified are installed

**WARNING**

- In low temperatures, the screen may darken or the image may become faint. The image could distort when the vehicle is moving, or you may become unable to see the image on the screen. Be sure to visually check all around the vehicle both directly and using the mirrors before proceeding.
- If the tyre sizes are changed, the position of the guide lines displayed on the screen may change.
- The camera uses a special lens. The distances between objects and pedestrians that appear in the image displayed on the screen will differ from the actual distances. (→P.207)
- When an aftermarket part is installed in the display area of the screen.

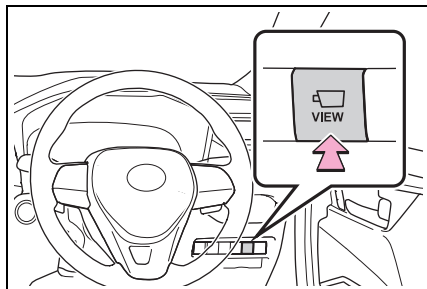
**NOTICE**

- In panoramic view, the system combines images taken from the front, back, left and right side cameras into a single image. There are limits to the range and content that can be displayed. Familiarize yourself with the characteristics of the panoramic view monitor system before using it.
- Image clarity may decline at the four corners of the panoramic view. However, this is not a malfunction, as these are the regions along the border of each camera image where the images are combined.
- Depending on lighting conditions near each of the cameras, bright and dark patches may appear on the panoramic view/moving view/see-through view.

- The panoramic view/moving view/see-through view display does not extend higher than the installation position and image capture range of each camera.
- There are blind spots around the vehicle. Accordingly, there are regions not displayed in panoramic view/moving view/see-through view.
- Three-dimensional objects displayed in wide front view, rear view, wide rear view or side view may not be displayed in panoramic view/moving view/see-through view.
- People and other three-dimensional obstacles may appear differently when displayed on the panoramic view monitor. (These differences include, among others, cases in which displayed objects appear to have fallen over, disappear near image processing areas, appear from image processing areas, or when the actual distance to an object differs from the displayed position.)
- When the back door, which is equipped with the back camera, or front doors, which are equipped with door mirrors that have built-in side cameras, are open, images will not be displayed properly on the panoramic view monitor.
- The vehicle icon displayed in panoramic view/moving view/see-through view is a computer generated image. Accordingly, properties such as the colour, shape and size will differ from the actual vehicle. For this reason, nearby three-dimensional objects may appear to be touching the vehicle, and actual distances to three-dimensional objects may differ from those displayed.

### Camera switch

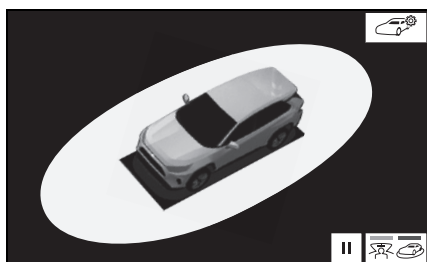
The camera switch is located as shown in the illustration.



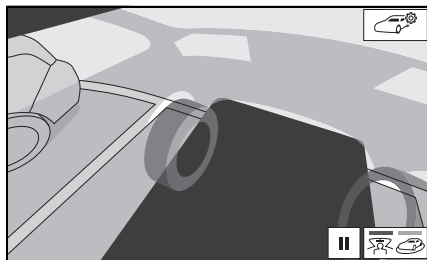
### Display

#### Checking around the vehicle

##### ► Moving view

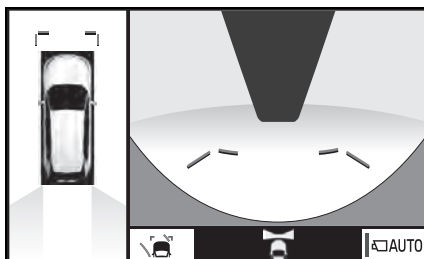


##### ► See-through view



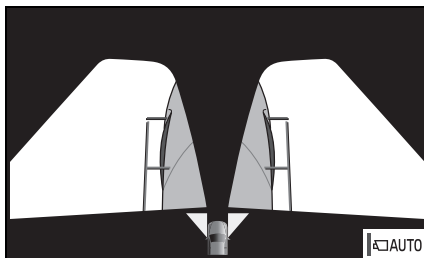
### Checking the front and around the vehicle

##### ► Wide front view & panoramic view



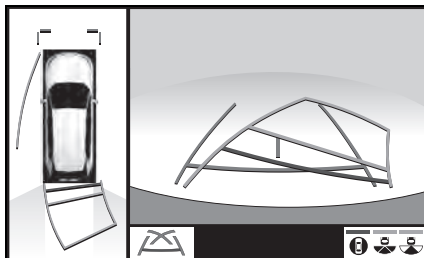
### Checking the sides of the vehicle

##### ► Side views



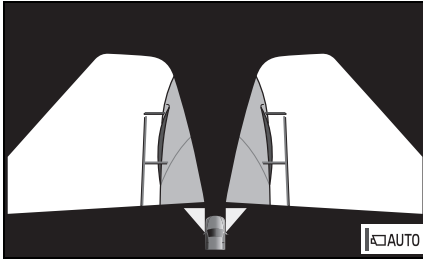
### Checking the rear and around the vehicle

##### ► Rear view & panoramic view

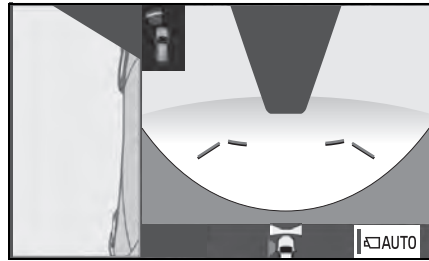


### When folding the outside rear view mirrors

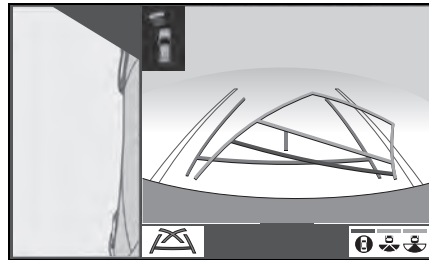
#### ► Side views



#### ► Front view & side views



#### ► Rear view & side views

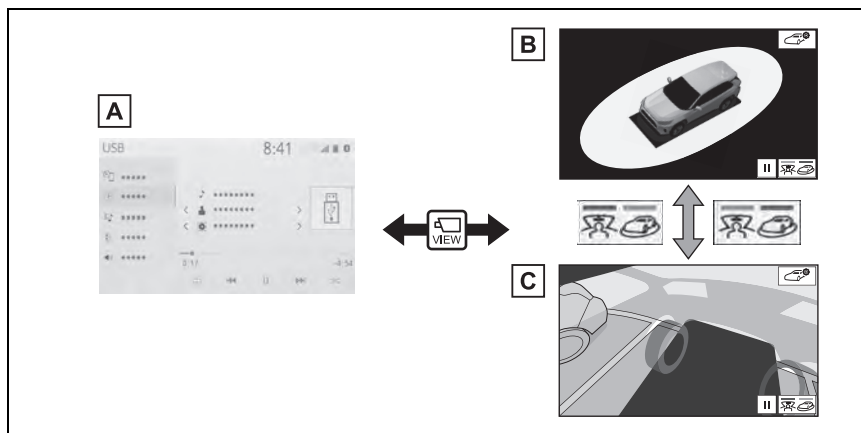


### How to switch the display

When you press the camera switch or shift the shift lever to the “R” position while the engine switch <power switch> is in ON, the panoramic view monitor operates.

The monitor displays various views of the position of the vehicle. (The following is an example)

### When the shift lever is in the “P” position

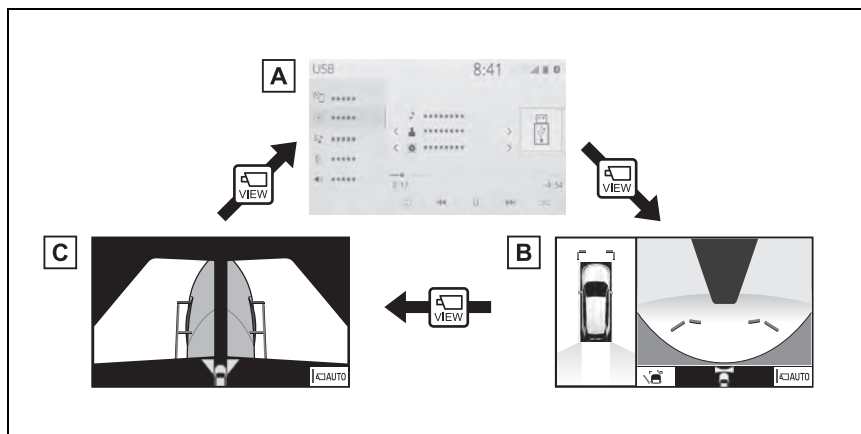


**A** Map screen, audio screen, etc.

**B** Moving view

**C** See-through view

### When the shift lever is in the “D” or “N” position

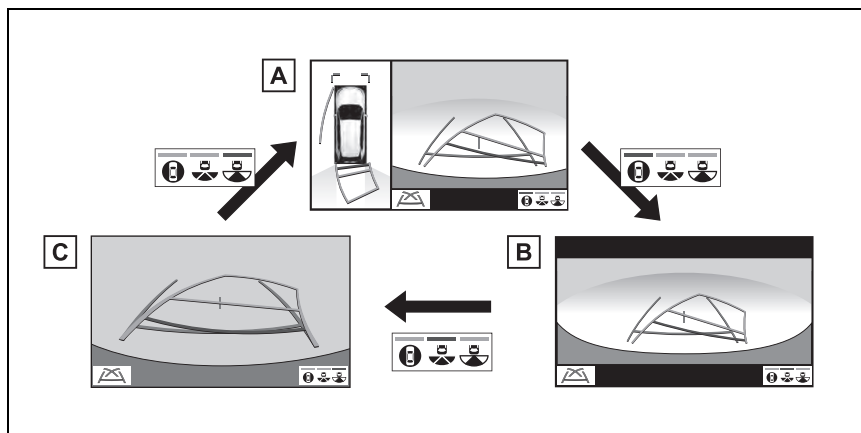


**A** Map screen, audio screen, etc.

**B** Wide front view & panoramic view

**C** Side views



**When the shift lever is in the “R” position**

**A** Rear view & panoramic view

**B** Wide rear view

**C** Rear view

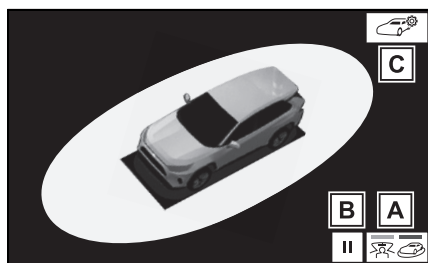
## Checking around the vehicle

The moving view screen and the see-through view screen provide support when checking the areas of around the vehicle while parking. These screens display an image of the vicinity of the vehicle combined from the 4 cameras. The screen will display a 360° view around the vehicle from either inside the vehicle or from a birds-eye view at an angle.

To display the moving view/see-through view screen, press the camera switch when the shift lever is in the "P" position and the Toyota parking assist-sensor is enabled.

## Screen display

### ► Moving view



**A** Display mode switching button  
Select to change the display mode between the moving view and the see-through view.

**B** Rotation pause switch

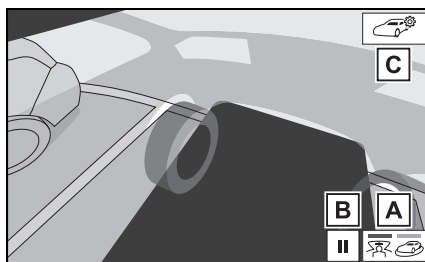
Select to pause the rotation of the screen.

To resume rotation, select .

**C** Body colour setting switch

Select to display the body colour setting screen and change the colour of the vehicle displayed on the panoramic view monitor. (→P.202)

### ► See-through view



**A** Display mode switching button

Select to change the display mode between the moving view and the see-through view.

**B** Rotation pause switch

Select to pause the rotation of the screen.

To resume rotation, select .

**C** Body colour setting switch

Select to display the body colour setting screen and change the colour of the vehicle displayed on the panoramic view monitor. (→P.202)

● Pressing the camera switch again changes the screen back to the previously displayed screen, such as the navigation screen.

## Checking the front and around the vehicle

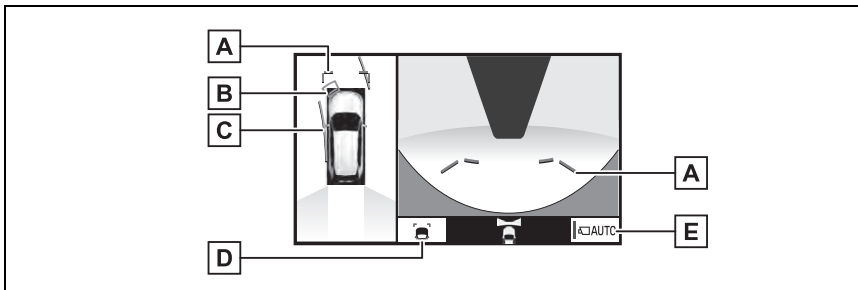
The wide front view & panoramic view screen provides support when checking the areas in front of the vehicle and around the vehicle when taking-off at T-intersections or other intersections during poor visibility.

To display the screen, press the camera switch when the shift lever is in the “N” or “D” position with the vehicle moving approximately 20 km/h or less.

This screen will be displayed if the Toyota parking assist-sensor detects an object in front of your vehicle (Toyota parking assist-sensor linked display).

### Screen display

#### ► Wide front view & panoramic view



#### **A** Distance guide lines

Shows distance in front of the vehicle.

- Display points approximately 1 m from the edge of the bumper.

#### **B** Toyota parking assist-sensor\*

When a sensor detects an obstacle, the direction of and the approximate distance to the obstacle are displayed and the buzzer sounds.

#### **C** Estimated course lines

Shows an estimated course when the steering wheel is turned.

- This line will be displayed when the steering wheel is turned by 90° or more from the centre (straight-line) position.

#### **D** Guide line switching button

Select to change the guide line mode between the distance guide line mode and the

estimated course line mode. (→P.188)

### **E** Automatic display button

Select to turn automatic display mode on/off. The indicator on the button illuminates during automatic display mode. (→P.188)

\*: If equipped

- Pressing the camera switch changes the screen to the Side views screen or previously displayed screen, such as the navigation screen.
- For details about the Toyota parking assist-sensor, refer to the “Owner’s Manual”.
- The display position of the Toyota parking assist-sensor and the position of obstacles displayed in the camera image do not match.

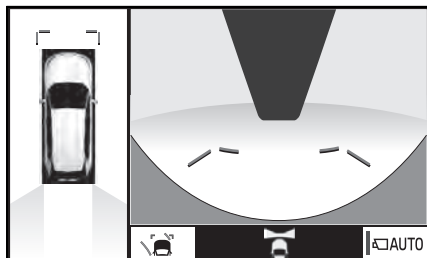
## **! WARNING**

- When a sensor indicator on the Toyota parking assist-sensor display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.
- As the Toyota parking assist-sensor display is displayed over the camera view, it may be difficult to see the Toyota parking assist-sensor display depending on the colour and brightness of the surrounding area.

### **Switching the guide line mode**

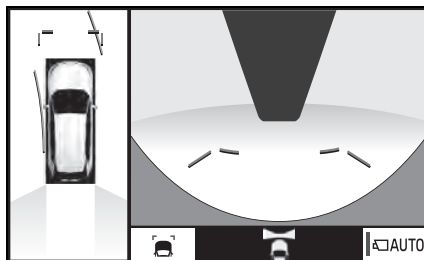
Each time the guide line switching button is selected, the mode will change as follows:

#### ► Distance guide line



- Only the distance guide lines are displayed.

#### ► Estimated course line



- Estimated course lines will be added to the distance guide lines.

### **Automatic display mode**

In addition to screen switching by operating the camera switch, automatic display mode is available. In this mode, the screen is switched

automatically in response to vehicle speed.

In automatic display mode, the monitor will automatically display images in the following situations:

- When the shift lever is shifted to “N” or “D” position.
- When vehicle speed is reduced to approximately 10km/h or less.

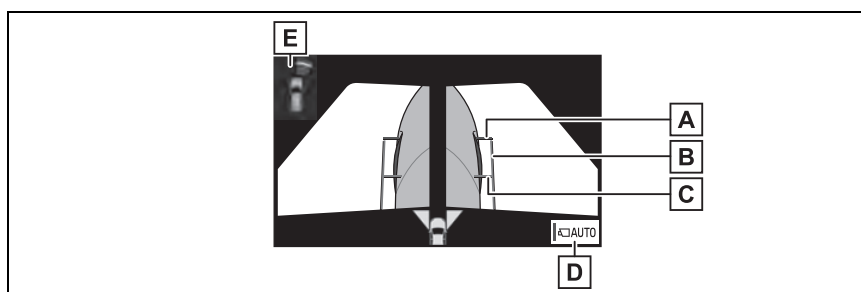
## Checking the sides of the vehicle

The side view screen displays images from the cameras installed on each outside rear view mirror. This screen is designed to support the driver in safe driving in situations such as when driving on a narrow road, by allowing them to check the areas around the sides of the vehicle.

To display the screen, press the camera switch when the shift lever is in the “D”, or “N” position with the vehicle moving approximately 20 km/h or less.

## Screen display

### ► Side view



#### **A** Distance guide lines

Show distance in front of the vehicle.

- Display points approximately 1 m from the edge of the bumper.

#### **B** Vehicle width guide lines

Shows guide lines of the vehicle's width including the outside rear view mirrors.

#### **C** Front tyre guide lines

Shows guide lines of where the front tyre touches the ground.

#### **D** Automatic display button

Select to turn automatic display mode on/off. The indicator on the button illuminates during automatic display mode. (→P.191)

#### **E** Toyota parking assist-sensor\*

When a sensor detects an obstacle, the direction of and the approximate distance to the obstacle are displayed and the buzzer sounds.

\*: If equipped

- Pressing the camera switch changes the screen to the wide front view & panoramic view screen or previously displayed screen, such as the navigation screen.
- For details about the Toyota parking assist-sensor, refer to the "Owner's Manual".
- The side views can be displayed even when the outside rear view mirrors are retracted.



#### WARNING

- When a sensor indicator on the Toyota parking assist-sensor display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.
- As the Toyota parking assist-sensor display is displayed over the camera view, it may be difficult to see the Toyota parking assist-sensor display depending on the colour and brightness of the surrounding area.

#### Automatic display mode

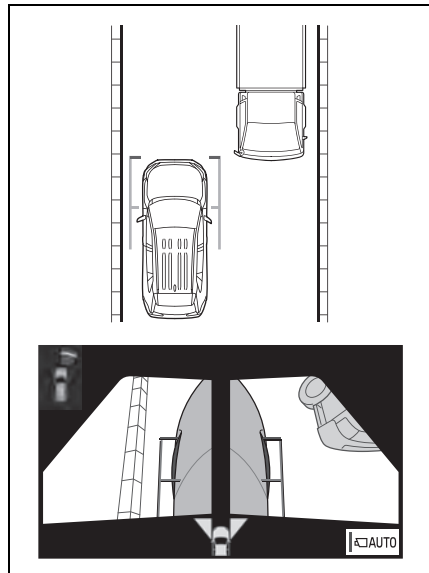
In addition to screen switching by operating the camera switch, automatic display mode is available. In this mode, the screen is switched automatically in response to vehicle speed.

In automatic display mode, the monitor will automatically display images in the following situations:

- When the shift lever is shifted to "N" or "D" position.
- When vehicle speed is reduced to approximately 10km/h or less.

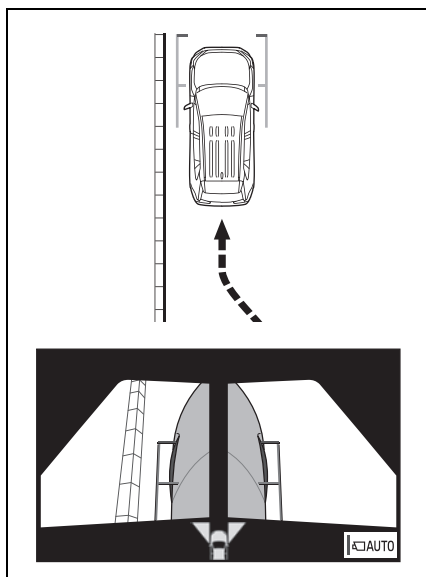
#### Using the vehicle width guide line

- ▶ Side View & panoramic view



- Check the positions and distance between the vehicle width guide line and a target object such as

the obstacle or curb of the road.



- Pull over to the curb as shown in the illustration above, taking care not to let the vehicle width guide line overlap the target object.
- Ensure that the vehicle width guide line is parallel to the target object.



## Checking the rear and around the vehicle

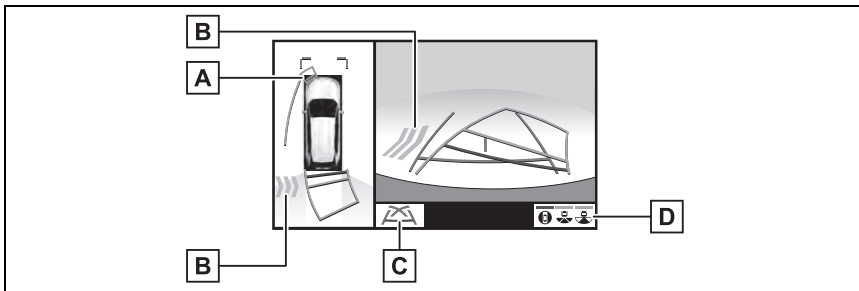
The rear view & panoramic view screen, the wide rear view screen and the rear view screen provide support when checking the areas of behind the vehicle and around the vehicle while backing up, for example while parking.

The screens will be displayed when the shift lever is in the “R” position.

### Screen display

Each time the display mode switching button is selected, the mode will change as follows:

#### ► Rear view & panoramic view



#### **A** Toyota parking assist-sensor\*

When a sensor detects an obstacle, the direction of and the approximate distance to the obstacle are displayed and the buzzer sounds.

#### **B** Rear Cross Traffic Alert\*

When a sensor detects an obstacle, the direction of obstacle is displayed and the buzzer sounds.

#### **C** Guide line switching button

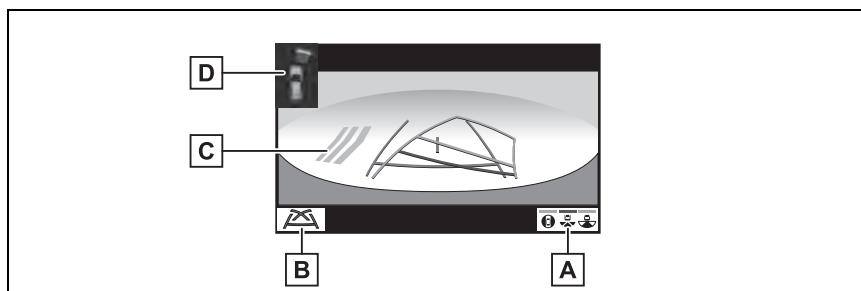
Select to switch the guide line mode. (→P.195)

#### **D** Display mode switching button

Each time the display mode switching button is selected, the mode will change between the rear view & panoramic view mode and the wide rear view & panoramic view mode.

\*: If equipped

► Wide rear view



**A** Display mode switching button

Each time the display mode switching button is selected, the mode will change between the rear view & panoramic view mode and the wide rear view & panoramic view mode.

**B** Guide line switching button

Select to switch the guide line mode. (→P.195)

**C** Rear Cross Traffic Alert\*

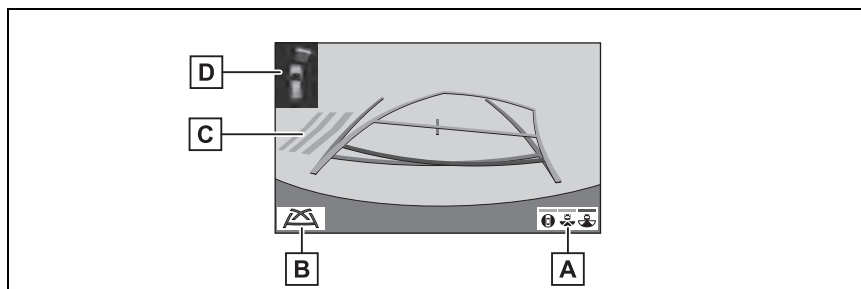
When a sensor detects an obstacle, the direction of obstacle is displayed and the buzzer sounds.

**D** Toyota parking assist-sensor\*

When a sensor detects an obstacle, the direction of and the approximate distance to the obstacle are displayed and the buzzer sounds.

\*: If equipped

► Rear view



**A** Display mode switching button

Each time the display mode switching button is selected, the mode will change between the rear view & panoramic view mode and the wide rear view & panoramic view mode.

**[B] Guide line switching button**

Select to switch the guide line mode. (→P.195)

**[C] Rear Cross Traffic Alert\***

When a sensor detects an obstacle, the direction of obstacle is displayed and the buzzer sounds.

**[D] Toyota parking assist-sensor\***

When a sensor detects an obstacle, the direction of and the approximate distance to the obstacle are displayed and the buzzer sounds.

\*: If equipped

- The monitor is canceled when the shift lever is shifted into any position other than the "R" position.
- For details about the Toyota parking assist-sensor and Rear Cross Traffic Alert function, refer to the "Owner's Manual".
- The display position of the Toyota parking assist-sensor and the position of obstacles displayed in the camera image do not match.

**WARNING**

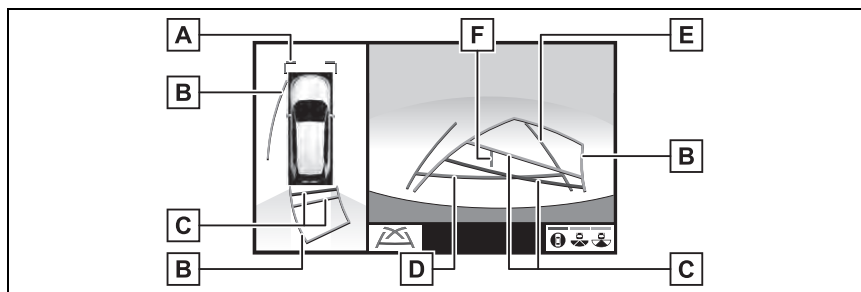
- When a sensor indicator on the Toyota parking assist-sensor display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.
- As the Toyota parking assist-sensor display and Rear Cross Traffic Alert display are displayed over the camera view, it may be difficult to see the Toyota parking assist-sensor display and Rear Cross Traffic Alert display depending on the colour and brightness of the surrounding area.

**Guide lines displayed on the screen**

Each time the guide line switching button is selected, the mode will change as follows:

► **Estimated course line**

Estimated course lines are displayed which move in accordance with the operation of the steering wheel.



#### **A** Distance guide lines

Shows distance in front of the vehicle.

- Display points approximately 1 m from the edge of the bumper.

#### **B** Estimated course lines

Shows an estimated course when the steering wheel is turned.

#### **C** Distance guide lines

Shows the distance behind the vehicle when the steering wheel is turned.

- The guide lines move in conjunction with the estimated course lines.
- The guide lines display points approximately 0.5 m (red) and approximately 1 m (yellow) from the centre of the edge of the bumper.

#### **D** Distance guide line

Shows the distance behind the vehicle.

- Displays a point approximately 0.5 m (blue) from the edge of the bumper.

#### **E** Vehicle width guide lines

Displays a guide path when the vehicle is being backed straight up.

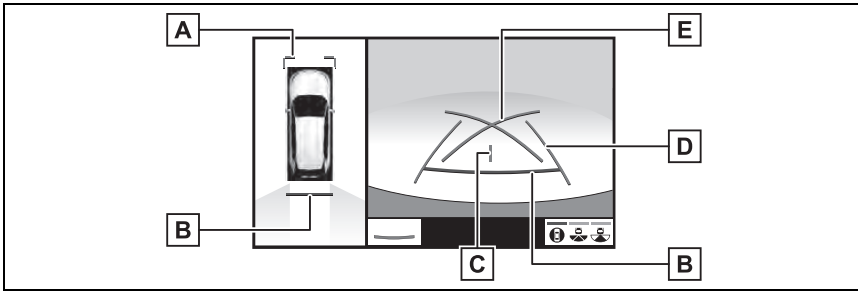
#### **F** Vehicle centre guide line

Indicates the estimated vehicle centre on the ground.

#### ► Parking assist guide line

The steering wheel return points (parking assist guide lines) are displayed.

This mode is recommended for those who are comfortable with parking the vehicle without the aid of the estimated course lines.

**A** Distance guide lines

Shows distance in front of the vehicle.

- Display points approximately 1 m from the edge of the bumper.

**B** Distance guide line

Shows the distance behind the vehicle.

- Displays a point approximately 0.5 m (red) from the edge of the bumper.

**C** Vehicle centre guide line

Indicates the estimated vehicle centre on the ground.

**D** Vehicle width guide lines

Displays a guide path when the vehicle is being backed straight up.

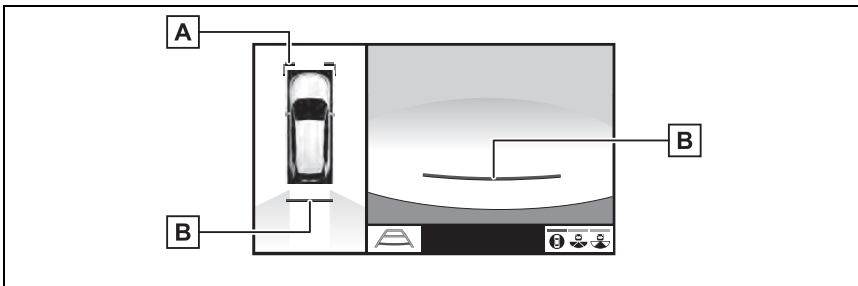
**E** Parking assist guide lines

Shows the path of the smallest turn possible behind the vehicle.

## ► Distance guide line

Only distance guide line is displayed.

This mode is recommended for those who are comfortable with parking the vehicle without the aid of the guide lines.

**A** Distance guide lines

Shows distance in front of the vehicle.

- Display points approximately 1 m from the edge of the bumper.

**B** Distance guide line

Shows the distance behind the vehicle.

- Displays a point approximately 0.5 m (red) from the edge of the bumper.
- The display position of the Toyota parking assist-sensor and the position of obstacles displayed in the camera image do not match.

**WARNING**

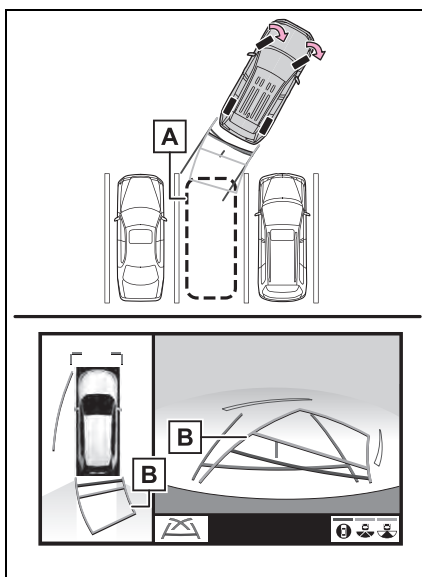
- Depending on the circumstances of the vehicle (number of passengers, amount of luggage, etc.), the position of the guide lines displayed on the screen may change. Be sure to check visually around the vehicle before proceeding.
- If the steering wheel is straight and the vehicle width guide lines and the estimated course lines are not in alignment, have the vehicle inspected by your Toyota dealer.
- Do not use the system if the display is incorrect due to an uneven (hilly) road or a non-straight (curvy) road.

**Parking****Using the estimated course line**

When parking in a space which is in the reverse direction to the space described in the procedure below, the steering directions will be reversed.

- 1 Shift the shift lever to the “R” position.
- 2 Turn the steering wheel so that the estimated course lines are

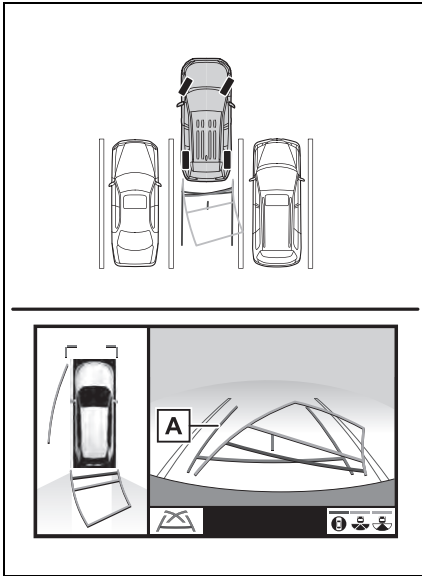
within the parking space, and back up slowly.



**A** Parking space

**B** Estimated course lines

- 3 When the rear position of the vehicle has entered the parking space, turn the steering wheel so that the vehicle width guide lines are within the left and right dividing lines of the parking space.



**A** Vehicle width guide line

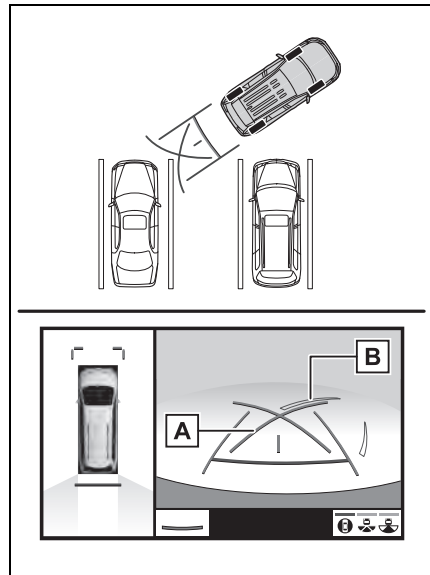
- 4 Once the vehicle width guide lines and the parking space lines are parallel, straighten the steering wheel and back up slowly until the vehicle has completely entered the parking space.
- 5 Stop the vehicle in an appropriate place, and finish parking.

### Using parking assist guide line

When parking in a space which is in

the reverse direction to the space described in the procedure below, the steering directions will be reversed.

- 1 Shift the shift lever to the “R” position.
- 2 Back up until the parking assist guide line meets the edge of the dividing line of the parking space.



**A** Parking assist guide line

**B** Parking space dividing line

- 3 Turn the steering wheel all the way to the right, and back up slowly.
- 4 Once the vehicle is parallel with the parking space, straighten the steering wheel and back up slowly until the vehicle has com-

pletely entered the parking space.

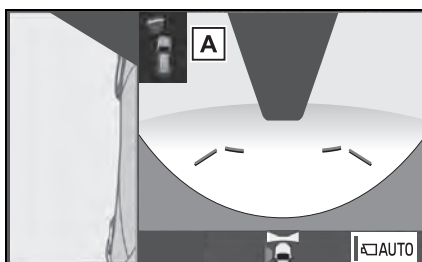
- 5 Stop the vehicle in an appropriate place, and finish parking.

### When folding the outside rear view mirrors

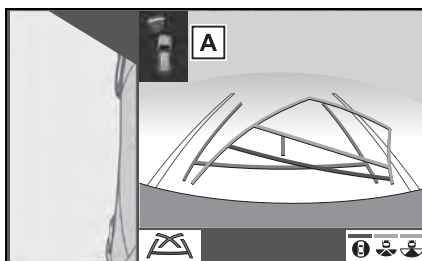
Even when outside rear view mirrors are stored, the monitor can display various images of the vicinity of the vehicle and assist the operation in the confirming safe conditions in a narrow places, parking, etc.

### Screen display

- Wide front view & side views

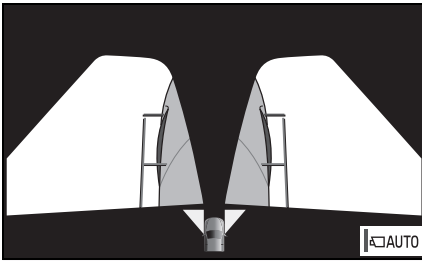


- Rear view & side views





## ► Side views

**A** Toyota parking assist-sensor\*

When a sensor detects an obstacle, the direction of and the approximate distance to the obstacle are displayed and the buzzer sounds.

- For details about the front view and the rear view: →P.187, 193

**WARNING**

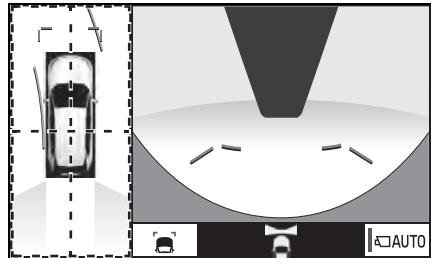
- When a sensor indicator on the Toyota parking assist-sensor display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.

**Magnifying function**

If displayed objects are too small to see clearly when the panoramic view is displayed, the area around any of the 4 corners of the vehicle can be magnified.

**Magnifying the display**

- 1 Turn the Toyota parking assist-sensor on.
- 2 Select the area on the panoramic view display you wish to magnify.



- Selecting one of the 4 areas within the dotted lines will magnify that area. (Dotted lines are not displayed on the actual display.)
  - To return to the normal view, select the panoramic view display again.
- 
- The magnifying function is enabled when all of the following conditions are met:
    - The wide front view & panoramic view or the rear view & panoramic view are displayed.
    - The vehicle speed is below approxi-


mately 12 km/h.

- The Toyota parking assist-sensor is available.
- In the following situations, the magnified display will be canceled automatically:
  - The vehicle speed is approximately 12 km/h or higher.
  - The Toyota parking assist-sensor is unavailable.
- When the display is magnified, the guide lines will not be displayed.

### Customizing the panoramic view monitor

The colour of the vehicle displayed on the panoramic view monitor can be changed.

### Changing the body colour displayed in the panoramic view monitor

- 1 Display the moving view/see-through view screen. (→P.186)
- 2 Select .
- 3 Select the desired colour.



**A** Displays the next page

## Panoramic view monitor precautions

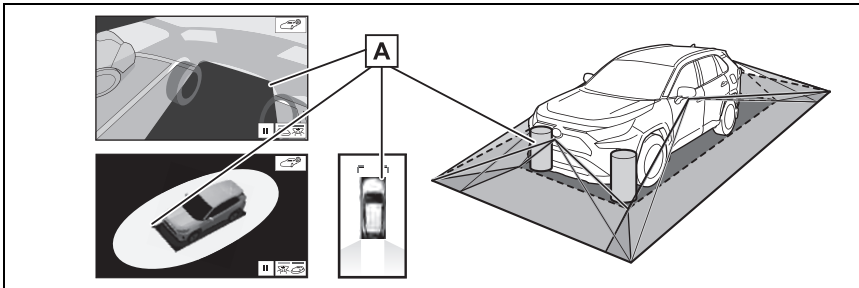
### Area displayed on screen

#### Area of image of panoramic view

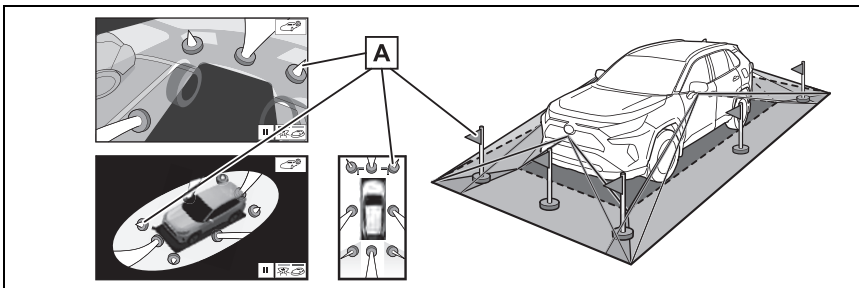
The panoramic view monitor displays an image of the surrounding view of the vehicle.

Since the panoramic view processes and displays images based on flat road surfaces, it cannot depict the position of three-dimension objects (such as vehicle bumpers, etc.) that are in positions higher than the surface of the road. Even if there is room between the bumpers of the vehicles and it seems not likely to collide in the image, in reality, the both vehicles are on a collision course.

Check the safety of the surroundings directly.



**A** Objects located in the shaded areas will not be displayed on the screen.

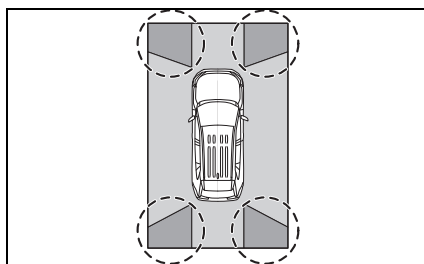


**A** Parts of objects which extend above a certain height cannot be displayed on the screen.

● As the images obtained from four cameras are processed and displayed on the

standard of a flat road surface; the panoramic view/moving view/see-through view may be displayed as follows.

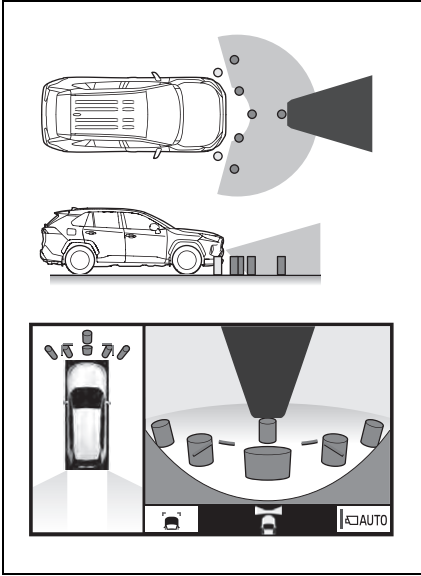
- Objects may look collapsed; thinner or bigger than usual.
- An object with a higher position than the road surface may look farther away than it actually is or may not appear at all.
- Tall objects may appear protruding from the non-displayed areas of the image.
- Variations in the brightness of the image may appear for every camera.
- The displayed image may be shifted by inclination of the vehicle body, change in vehicle height, etc., depending on the number of passengers, amount of luggage, fuel quantity, etc.
- If the front doors or back door are not completely closed; neither the image nor the guide lines are displayed.
- The position relations of the vehicle icon and the road surface or obstacle may differ from the actual positions.
- The black areas of the vicinity of the vehicle icon are areas that are not captured by the camera.
- Images like the following are combined, thus some areas may be difficult to view.

**WARNING**

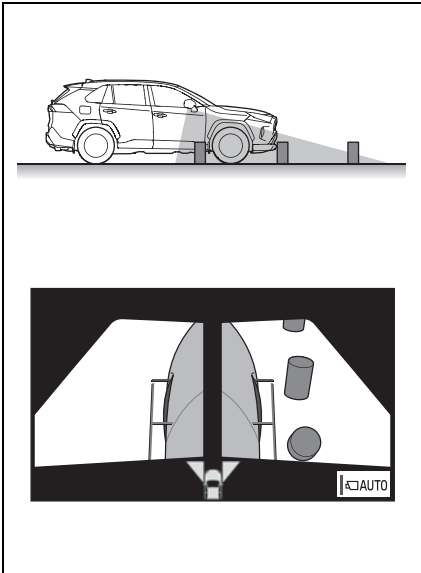
- When a sensor indicator on the Toyota parking assist-sensor display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.

### Area of the image captured by the camera

#### ► Wide front view

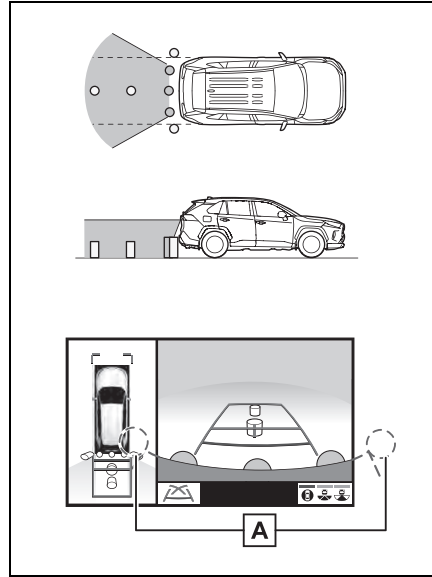


#### ► Side view



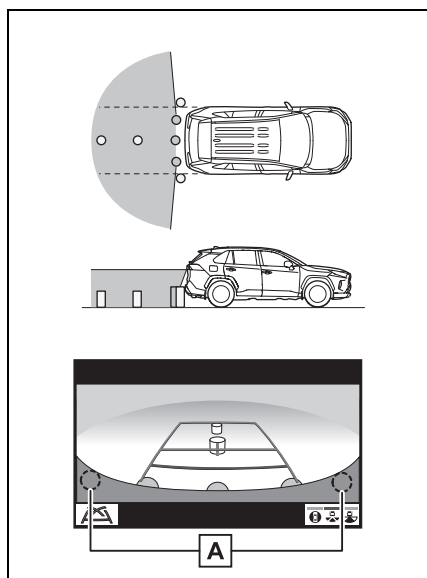
**A** The area around both corners of the bumper will not be displayed.

#### ► Rear view



**A** The area around both corners of the bumper will not be displayed.

## ► Wide rear view



**A** The area around both corners of the bumper will not be displayed.

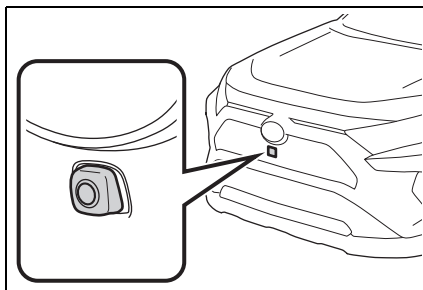
- Black masking is done for distance detection differences to the front of the vehicle.
- The area covered by the camera is limited. Objects which are close to either corner of the bumper or under the bumper cannot be seen on the screen.
- The area displayed on the screen may vary depending on vehicle orientation or road conditions.
- The camera uses a special lens. The distance in the image displayed on the screen will differ from the actual distance.

### The camera

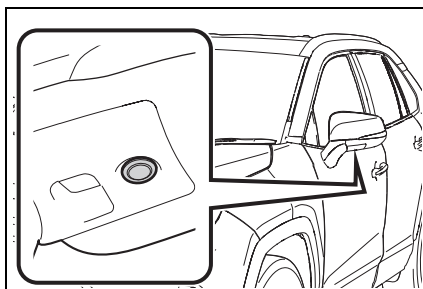
The cameras for the panoramic view monitor are located as shown

in the illustrations.

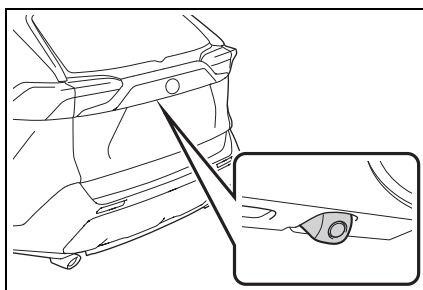
## ► Front camera



## ► Side cameras



## ► Rear camera



### Using the camera

If dirt or foreign matter (such as water droplets, snow, mud, etc.) is adhering to the camera, it cannot transmit a clear image. In this case, flush it with a large quantity of water and wipe the camera lens clean

with a soft and wet cloth.



#### NOTICE

- The panoramic view monitor may not operate properly in the following cases.
  - If the camera is hit, the position and mounting angle of the camera may change.
  - As the camera has a water proof construction, do not detach, disassemble or modify it. This may cause incorrect operation.
  - When cleaning the camera lens, flush the camera with a large quantity of water and wipe it with a soft and wet cloth. Strongly rubbing the camera lens may cause the camera lens to be scratched and unable to transmit a clear image.
  - Do not allow an organic solvent, car wax, window cleaner or a glass coating to adhere to the camera. If this happens, wipe it off as soon as possible.
  - If the temperature changes rapidly, such as when hot water is poured on the vehicle in cold weather, the system may not operate normally.
  - When washing the vehicle, do not apply intensive bursts of water to the camera or camera area. Doing so may result in the camera malfunctioning.
- Do not expose the camera to strong impacts as this could cause a malfunction. If this happens, have the vehicle inspected by your Toyota dealer as soon as possible.

#### Difference between the screen and the actual road

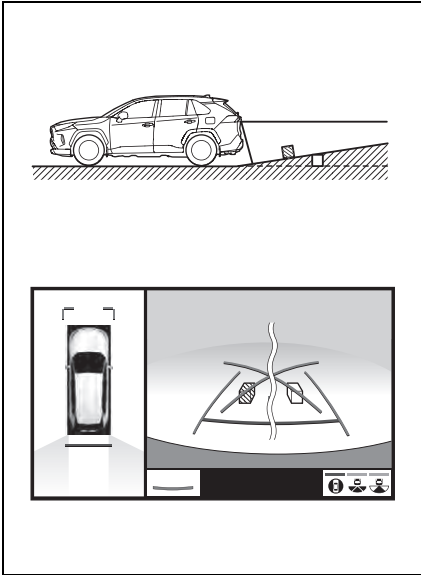
- The distance guide lines and the vehicle width guide lines may not actually be parallel with the dividing lines of the parking space,

even when they appear to be so. Be sure to check visually.

- The distances between the vehicle width guide lines and the left and right dividing lines of the parking space may not be equal, even when they appear to be so. Be sure to check visually.
- The distance guide lines give a distance guide for flat road surfaces. In any of the following situations, there is a margin of error between the guide lines on the screen and the actual distance/course on the road.

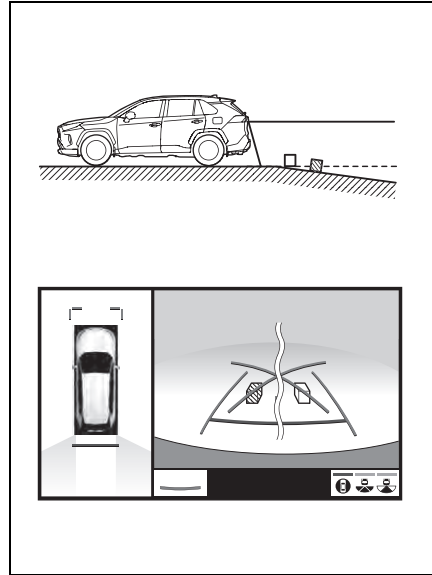
#### When the ground behind the vehicle slopes up sharply

The distance guide lines will appear to be closer to the vehicle than the actual distance. Because of this, objects will appear to be farther away than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance/course on the road.



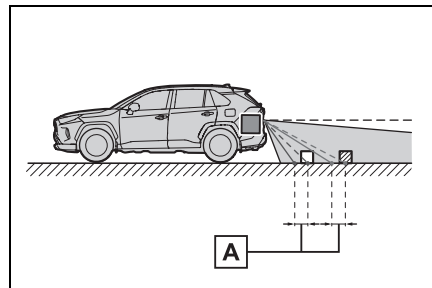
**When the ground behind the vehicle slopes down sharply**

The distance guide lines will appear to be farther from the vehicle than the actual distance. Because of this, objects will appear to be closer than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance/course on the road.



**When any part of the vehicle sags**

When any part of the vehicle sags due to the number of passengers or the distribution of the load, there is a margin of error between the guide lines on the screen and the actual distance/course on the road.



**A** A margin of error

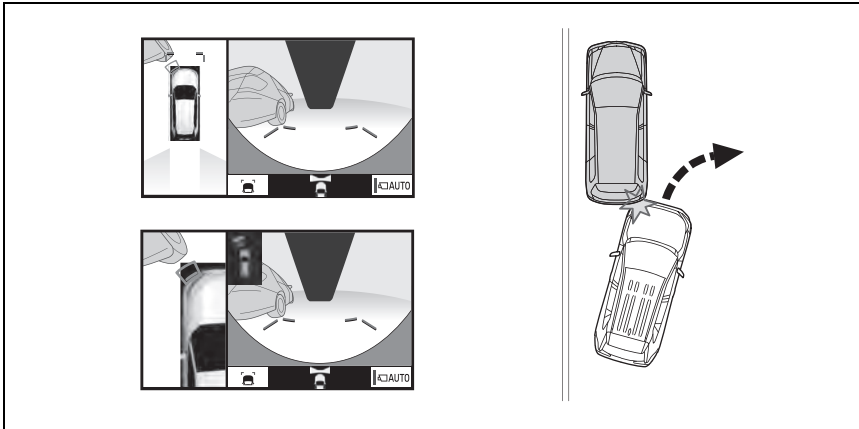


### Distortion of three-dimensional objects on the screen

When there are three-dimensional objects (such as vehicle bumpers, etc.) nearby in positions higher than the surface of the road, take extra care when using the following.

#### Panoramic view display (including magnified display)

Since the panoramic view processes and displays images based on flat road surfaces, it cannot depict the position of three-dimension objects (such as vehicle bumpers, etc.) that are in positions higher than the surface of the road. For example, even though it appears that there is space between the bumpers of the two vehicles in the illustration below and they are not likely to collide, in reality, a collision is about to occur.



#### WARNING

- When a sensor indicator on the Toyota parking assist-sensor display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.

### When approaching three-dimensional objects

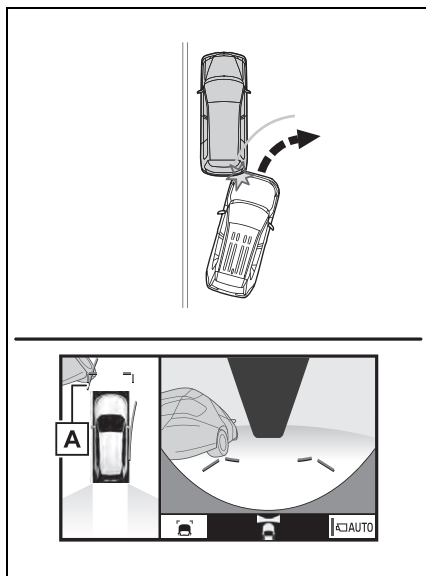
The estimated course lines target flat surfaced objects (such as the road). It is not possible to determine the position of three-dimensional objects (such as vehicles) using the estimated course lines and distance guide lines. When approaching a three-dimensional object that extends outward (such as the flatbed of a truck), be careful of the following.

**WARNING**

- When a sensor indicator on the Toyota parking assist-sensor display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.

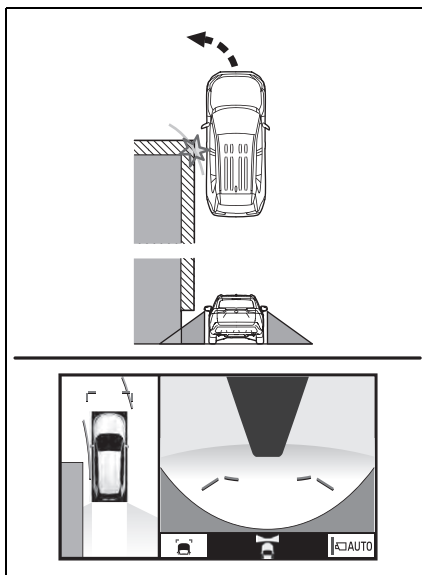
**Estimated course lines**

Since the estimated course line is displayed for a flat road surface, it cannot depict the position of three-dimensional objects (such as vehicle bumpers, etc.) that are in positions higher than the surface of the road. Even if the bumper of the vehicle is on the outside of the estimated course line in the image, in reality, the vehicles are on a collision course.

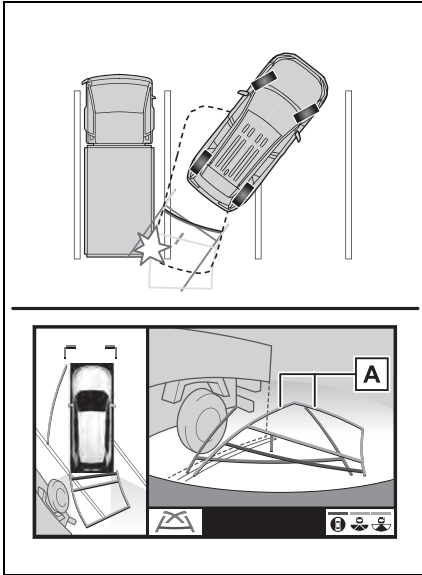
**A** Estimated course line

Three-dimensional objects (such as the overhang of a wall or loading

platform of a truck) in high positions may not be projected on the screen. Check the safety of the surroundings directly.



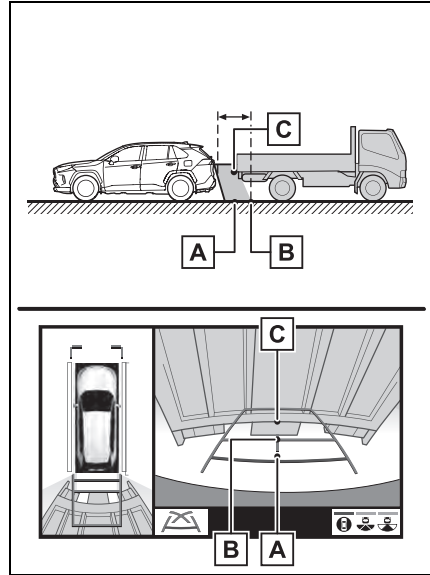
Visually check the surroundings and the area behind the vehicle. In the case shown below, the truck appears to be outside of the estimated course lines and the vehicle does not look as if it hits the truck. However, the rear body of the truck may actually cross over the estimated course lines. In reality if you back up as guided by the estimated course lines, the vehicle may hit the truck.



**A** Estimated course lines

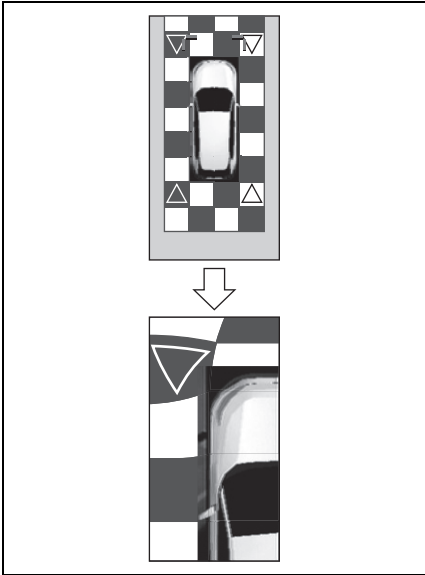
### Distance guide lines

Visually check the surroundings and the area behind the vehicle. On the screen, it appears that a truck is parking at point **B**. However, in reality if you back up to point **A**, you will hit the truck. On the screen, it appears that **A** is closest and **C** is farthest away. However, in reality, the distance to **A** and **C** is the same, and **B** is farther than **A** and **C**.



### Magnifying function

When the panoramic view is magnified, walls and lines on the road on the magnified panoramic view display may look more distorted than those on the normal panoramic view display.



## Things you should know

### If you notice any symptoms

If you notice any of the following symptoms, refer to the likely cause and the solution, and re-check.

If the symptom is not resolved by the solution, have the vehicle inspected by your Toyota dealer.

Symptom	Likely cause	Solution
The image is difficult to see	<ul style="list-style-type: none"> <li>• The vehicle is in a dark area</li> <li>• The temperature around the lens is either high or low</li> <li>• The outside temperature is low</li> <li>• There are water droplets on the camera</li> <li>• It is raining or humid</li> <li>• Foreign matter (mud, etc.) is adhering to the camera</li> <li>• Sunlight or headlights are shining directly into the camera</li> <li>• The vehicle is under fluorescent lights, sodium lights, mercury lights, etc.</li> </ul>	<p>Back up while visually checking the vehicle's surroundings. (Use the monitor again once conditions have been improved.)</p> <p>The procedure for adjusting the picture quality of the panoramic view monitor system is the same as the procedure for adjusting the screen display. (→P.31)</p>
The image is blurry	Dirt or foreign matter (such as water droplets, snow, mud, etc.) is adhering to the camera.	Flush the camera with a large quantity of water and wipe the camera lens clean with a soft and wet cloth.
The image is out of alignment	The camera or surrounding area has received a strong impact.	Have the vehicle inspected by your Toyota dealer.

Symptom	Likely cause	Solution
The guide lines are very far out of alignment	The camera position is out of alignment.	Have the vehicle inspected by your Toyota dealer.
	<ul style="list-style-type: none"> <li>• The vehicle is tilted. (There is a heavy load on the vehicle, tyre pressure is low due to a tyre puncture, etc.)</li> <li>• The vehicle is used on an incline.</li> </ul>	If this happens due to these causes, it does not indicate a malfunction. Back up while visually checking the vehicle's surroundings.
The estimated course lines move even though the steering wheel is straight	There is a malfunction in the signals being output by the steering sensor.	Have the vehicle inspected by your Toyota dealer.
Guide lines are not displayed	The back door is open.	Close the back door. If this does not resolve the symptom, have the vehicle inspected by your Toyota dealer.
The estimated course lines are not displayed	<ul style="list-style-type: none"> <li>• 12-volt battery has been reinstalled.</li> <li>• The steering wheel has been moved while the 12-volt battery was being reinstalled.</li> <li>• 12-volt battery power is low.</li> <li>• The steering sensor has been reinstalled.</li> <li>• There is a malfunction in the signals being output by the steering sensor.</li> </ul>	Have the vehicle inspected by your Toyota dealer.
The panoramic view display cannot be magnified	The Toyota parking assist-sensor may be malfunctioning or dirty.	Follow the correction procedures for malfunctions of the Toyota parking assist-sensor. (Refer to "Owner's Manual")
The See-through view/Moving view/Side Clearance View/Cornering View cannot be displayed		

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## 7-1. Phone operation (Hands-free system for cellular phones)

Quick reference .....218

Some basics .....219

Placing a call using the  
Bluetooth® hands-free system  
.....223

Receiving a call using the  
Bluetooth® hands-free system  
.....226

Talking on the Bluetooth®  
hands-free system .....227

Bluetooth® phone message  
function .....229

## 7-2. Setup

Phone settings .....233

## 7-3. What to do if...

Troubleshooting .....242

## Quick reference

### Phone screen operation

The phone screen can be reached by the following method:

- ▶ From the “PHONE” button
- 1 Press the “PHONE” button.
- ▶ From the “MENU” button
- 1 Press the “MENU” button, then select “Phone”.



### Bluetooth® hands-free system operation

The following functions can be used on phone operation:

- Registering/connecting a Bluetooth® device (→P.34)
- Placing a call using the Bluetooth® hands-free system (→P.223)
- Receiving a call using the Bluetooth® hands-free system (→P.226)
- Talking on the Bluetooth® hands-free system (→P.227)

### Message function

The following function can be used on message function:

- Using the Bluetooth® phone message function (→P.229)

### Setting up a phone

The following settings can be made in navigation system:

- Phone settings (→P.233)
- Bluetooth® settings (→P.38)

## Some basics

**The hands-free system enables calls to be made and received without having to take your hands off the steering wheel.**

**This system supports Bluetooth®. Bluetooth® is a wireless data system that enables cellular phones to be used without being connected by a cable or placed in a cradle.**

**The operating procedure of the phone is explained here.**

**When an Apple CarPlay connection is established, phone functions will be performed by Apple CarPlay instead of the hands-free system.**

- This system is not guaranteed to operate with all Bluetooth® devices.
- If your cellular phone does not support Bluetooth®, this system cannot function.
- In the following conditions, the system may not function:
  - The cellular phone is turned off.
  - The current position is outside the communication area.
  - The cellular phone is not connected.
  - The cellular phone has a low battery.
- When using the hands-free system or Bluetooth® audio and Wi-Fi® functions at the same time, the following problems may occur:
  - The Bluetooth® connection may be cut.
  - Noise may be heard on the

Bluetooth® audio playback.

- A noise may be heard during phone calls.
- Bluetooth® uses the 2.4 GHz frequency band. If both a Wi-Fi® connection and Bluetooth® connection are being used simultaneously, each connection may be affected.
- If a Bluetooth® device is attempting to connect to the vehicle while another device is connected as a Bluetooth® audio device or connected using the hands-free system or Miracast®, the communication speed may decrease or malfunctions may occur, such as image distortion or audio skipping. If a Bluetooth® device is connected to the system, the interference it may cause will be reduced. When carrying a device with its Bluetooth® connection enabled, make sure to register it to the system and connect it or disable its Bluetooth® function.
- When a device is connected via Bluetooth®, the Bluetooth® icon on the status bar will be displayed in blue. (→P.16)



### WARNING

- While driving, do not operate a cellular phone.
- Your audio unit is fitted with Bluetooth® antennas. People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the Bluetooth® antennas. The radio waves may affect the operation of such devices.

**WARNING**

- Before using Bluetooth® devices, users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.

**NOTICE**

- Do not leave your cellular phone in the vehicle. The temperature inside may rise to a level that could damage the phone.

### Registering/Connecting a Bluetooth® phone

To use the hands-free system for cellular phones, it is necessary to register a cellular phone with the system. (→P.34)

#### ■ Connecting a Bluetooth® device

- ▶ Registering an additional device
  - 1 Display the phone top screen. (→P.218)
  - 2 Select “Select device”.
  - 3 Select “Add device”.
- When another Bluetooth® device is connected, a confirmation screen will be displayed. To disconnect the Bluetooth® device,

select “Yes”.

- 4 Follow the steps in “Registering a Bluetooth® phone for the first time” from step 5. (→P.34)
- ▶ Selecting a registered device
- 1 Display the phone top screen. (→P.218)
  - 2 Select “Select device”.
  - 3 Select the desired device to be connected.
  - 4 Check that a confirmation screen is displayed when the connection is complete.
- If an error message is displayed, follow the guidance on the screen to try again.

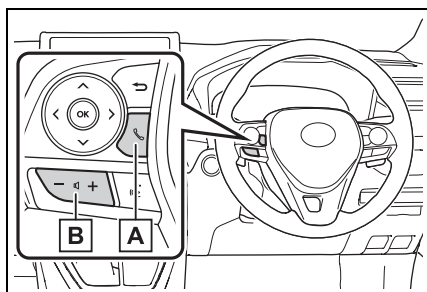
#### ■ Bluetooth® phone condition display

The condition of the Bluetooth® phone appears on the upper right side of the screen. (→P.16)

### Using the phone switch/microphone

#### ■ Steering switch

By pressing the phone switch, a call can be received or ended without taking your hands off the steering wheel.



### **A** Phone switch

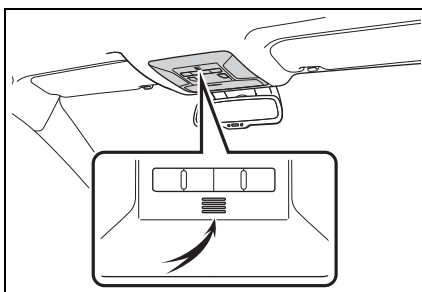
- If the switch is pressed during a call, the call will end.
- If the switch is pressed when an incoming call is received, the call will be answered.
- If the switch is pressed during a call when a separate incoming call is waiting, the waiting call will be answered.
- Depending on the system, if the switch is pressed when an Apple CarPlay connection is established, the Apple CarPlay phone application will be displayed on the system screen.

### **B** Volume control switch

- Press the "+" side to increase the volume.
- Press the "-" side to decrease the volume.

### ■ Microphone

The microphone is used when talking on the phone.



- The other party's voice will be heard from the front speakers. The audio/visual system will be muted during phone calls or when hands-free speech commands are used.
- Talk alternately with the other party on the phone. If both parties speak at the same time, the other party may not hear what has been said. (This is not a malfunction.)
- Keep call volume down. Otherwise, the other party's voice may be audible outside the vehicle and voice echo may increase. When talking on the phone, speak clearly towards the microphone.
- The other party may not hear you clearly when:
  - Driving on an unpaved road. (Making excessive traffic noise.)
  - Driving at high speeds.
  - The roof or windows are open.
  - The air conditioning vents are pointed towards the microphone.
  - The sound of the air conditioning fan is loud.
  - There is a negative effect on sound quality due to the phone and/or network being used.

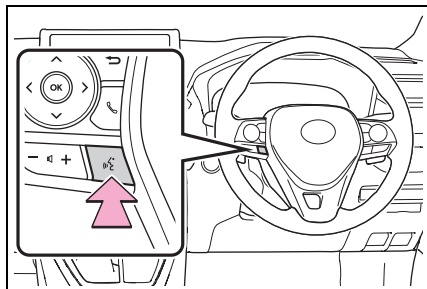


### NOTICE

- Do not touch and put a sharp object to the microphone. It may cause failure.

### Speech command system

Press this switch to operate the speech command system.



- The speech command system and its list of commands can be operated. (→P.150)

### About the contacts in the contact list

- The following data is stored for every registered phone. When another phone is connected, the following registered data cannot be read:
  - Contact data
  - Call history data
  - Favourites data
  - Image data
  - All phone settings
  - Message settings
- When a phone's registration is deleted, the above-mentioned data is also deleted.

### When selling or disposing of the vehicle

A lot of personal data is registered

when the hands-free system is used. When selling or disposing of the vehicle, initialize the data. (→P.57)

- The following data in the system can be initialized:
  - Contact data
  - Call history data
  - Favourites data
  - Image data
  - All phone settings
  - Message settings
- Once initialized, the data and settings will be erased. Pay much attention when initializing the data.

## Placing a call using the Bluetooth® hands-free system

After a Bluetooth® phone has been registered, a call can be made using the hands-free system. There are several methods by which a call can be made, as described below.

### Calling methods on the Bluetooth® phone

- 1 Display the phone top screen. (→P.218)
- 2 Select the desired method to call from.

#### ■ Calling methods from phone screen

- By call history (→P.223)
- By favourites (→P.224)
- By contacts (→P.224)
- By keypad (→P.225)
- By message (→P.231)

#### ■ Also the following lists are available from each function's screen

- By POI call\* (→P.72)
- By speech command system (→P.222)
- By home screen (→P.225)

\*: With navigation function

## By call history

Up to 30 of the latest call history items (missed, incoming and outgoing) can be selected.

- 1 Display the phone top screen. (→P.218)
- 2 Select "History" and select the desired contact.
  - If the contact which is not registered on the contact list is selected, the name is displayed as "Unknown contact". In this case, select the number to make a call properly.
- 3 Check that the dialing screen is displayed.

- The icons of call type are displayed.

 : Missed call

 : Incoming call

 : Outgoing call

- When making a call to the same number continuously, only the most recent call is listed in call history.
- When a phone number registered in the contact list is received, the name is displayed.
- Number-withheld calls are also memorized in the system.
- International phone calls may not be made depending on the type of Bluetooth® phone you have.
- The list should group together consecutive entries with the same phone number and same call type. For example, two calls from John's mobile would be displayed as follows: John (2)

### By favourites list

Calls can be made using registered contacts which can be selected from a contact list. (→P.224)

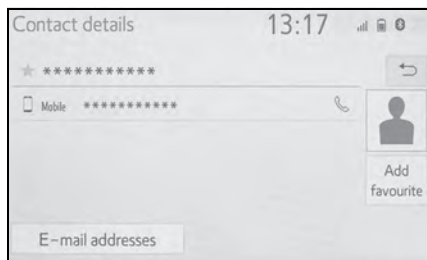
- 1 Display the phone top screen. (→P.218)
- 2 Select “Favourites” and select the desired contact.
- 3 Select the desired number.
- 4 Check that the dialing screen is displayed.

### By contacts list

Calls can be made by using contact data which is transferred from a registered cellular phone. (→P.235)

Up to 5000 contacts (maximum of 4 phone numbers and e-mail addresses per contact) can be registered in the contact list.

- 1 Display the phone top screen. (→P.218)
- 2 Select “Contacts” and select the desired contact.
- 3 Select the desired number.



“Add favourite”/“Remove favourite”:  
Select to register/remove the contact in the favourites list. (→P.239)

“E-mail addresses”: Select to display all registered e-mail addresses for the contact.

- 4 Check that the dialing screen is displayed.

### When the contact list is empty

#### ■ For PBAP compatible

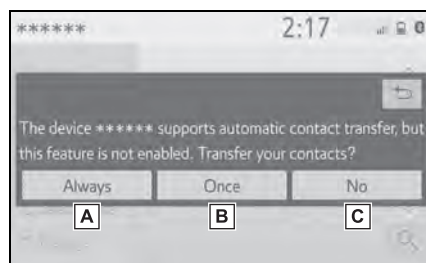
**Bluetooth® phones when “Automatic transfer” is set to on (→P.236)**

- Contacts are transferred automatically.

#### ■ For PBAP compatible

**Bluetooth® phones when “Automatic transfer” is set to off (→P.236)**

- 1 Select the desired item.



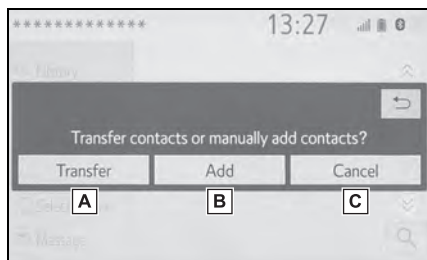
- A Select to always transfer all the contacts from a connected cellular phone automatically.
- B Select to transfer all the contacts from a connected cellular phone only once.
- C Select to cancel transferring.



- 2 Check that a confirmation screen is displayed when the operation is complete.

■ **For PBAP incompatible but OPP compatible Bluetooth® phones**

- 1 Select the desired item.



- A** Select to transfer the contacts from the connected cellular phone.

Transfer the contact data to the system using a Bluetooth® phone.

- B** Select to add a new contact manually.  
Follow the steps in “Registering a new contact to the contacts list” from step 2. (→P.238)

- C** Select to cancel transferring.

- If your cellular phone is neither PBAP nor OPP compatible, the contacts cannot be transferred using Bluetooth®. But the contacts can be transferred from USB device. (→P.237)

- Depending on the type of Bluetooth® phone:
  - It may be necessary to perform additional steps on the phone when transferring contact data.

- The registered image in the contact list may not transfer depending on the type of Bluetooth® phone connected.

### By keypad

- 1 Display the phone top screen. (→P.218)
- 2 Select “Keypad” and enter the phone number.
- 3 Select or press the switch on the steering wheel.
- 4 Check that the dialing screen is displayed.

- Depending on the type of Bluetooth® phone being connected, it may be necessary to perform additional steps on the phone.

### By home screen

- 1 Display the home screen. (→P.27)
- 2 Select the desired contact.
- 3 Check that the dialing screen is displayed.

■ **Registering a new contact**


- 1 Select and hold the screen button to add a contact.
- 2 Select the desired contact.
- 3 Select the desired number.

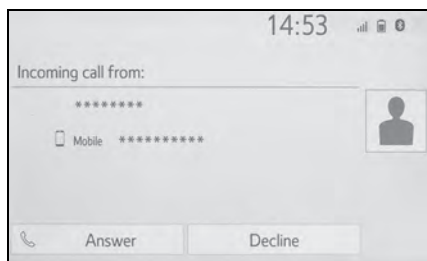
- If there is no contact in the contacts list, the contacts cannot be registered at the home screen.
- The contact cannot be registered at the home screen while driving.

## Receiving a call using the Bluetooth® hands-free system

When a call is received, the following screen is displayed with a sound.

### Incoming calls

- 1 Select “Answer” or press the  switch on the steering wheel to talk on the phone.



“Decline”: Select to refuse to receive the call.

To adjust the volume of a received call: Turn the “POWER VOLUME” knob, or use the volume control switch on the steering wheel.

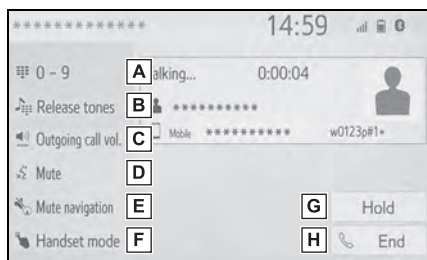
- During international phone calls, the other party's name or number may not be displayed correctly depending on the type of Bluetooth® phone you have.
- The ringtone that has been set in the sound settings screen can be heard when there is an incoming call. Depending on the type of Bluetooth® phone, both the system and Bluetooth® phone may ring simultaneously when there is an incoming call. (→P.233)
- The incoming call display mode can

be set. (→P.234)

## Talking on the Bluetooth® hands-free system

While talking on the phone, the following screen is displayed. The operations outlined below can be performed on this screen.

### Call screen operation



- A** Select to display the keypad to send tones. (→P.225)
- B** Select to send tones. This button only appears when a number that contains a (w) is dialed in hands-free mode. (→P.227)
- C** Select to adjust your voice volume that the other party hears from their speaker. (→P.228)
- D** Select to mute your voice to the other party.
- E** Select to mute the Navigation route guidance during a phone call.\*
- F** Select to change handset modes between hands-free and

cellular phone.

- G** Select to put a call on hold. To cancel this function, select “Activate”.

- H** Select to hang up the phone.

\*: With navigation function

- Changing from hands-free call to cellular phone call is not possible while driving.
- When cellular phone call is changed to hands-free call, the hands-free screen will be displayed and its functions can be operated on the screen.
- Changing between cellular phone call and hands-free call can be performed by operating the cellular phone directly.
- Transferring methods and operations will be different depending on the type of cellular phone you have.
- For the operation of the cellular phone, see the manual that comes with it.

### Sending tones

#### ■ By keypad

- 1 Select “0-9”.
- 2 Enter the desired number.

#### ■ By selecting “Release tones”

“Release tones” appear when a continuous tone signal(s) containing a (w) is registered in the contact list.

This operation can be performed while driving.


- 1 Select “Release tones”.

- A continuous tone signal is a character string that consists of numbers and

the characters “p” or “w”. (e.g. 056133w0123p#1)

- When the “p” pause tone is used, the tone data up until the next pause tone will be automatically sent after 2 seconds have elapsed. When the “w” pause tone is used, the tone data up until the next pause tone will be automatically sent after a user operation is performed.
- Release tones can be used when automated operation of a phone based service such as an answering machine or bank phone service is desired. A phone number with continuous tone signals can be registered in the contact list.
- Tone data after a “w” pause tone can be operated by speech command during a call.

### Transmit volume setting

- 1 Select “Outgoing call vol.”.
  - 2 Select the desired level for the transmit volume.
  - 3 Select  to display previous screen.
- 
- The sound quality of the voice heard from the other party’s speaker may be negatively impacted.
  - “Outgoing call vol.” is dimmed when mute is on.

### Switching calls while a call is in progress

- When there are no calls on hold during a call: “Hold” is displayed. When selected, the current call is placed on hold.
- When there is no current call, but there is a call on hold: “Activate”


is displayed. When selected, the system switches to the call that was on hold.

- When there is another call on hold during a call: “Swap calls” is displayed. When selected, the current call is placed on hold, and the system switches to the call that was on hold.

- 
- This function may not be available depending on the type of cellular phone.

### Incoming call waiting

When a call is interrupted by a third party while talking, the incoming screen is displayed.

- 1 Select “Answer” or press the  switch on the steering wheel to start talking with the other party.
- To refuse to receive the call: Select “Decline”.
  - Each time “Swap calls” is selected, the party who is on hold will be switched.

- 
- This function may not be available depending on the type of Bluetooth® phone.

## Bluetooth® phone message function

Received messages can be forwarded from the connected Bluetooth® phone, enabling checking and replying using the system.

Depending on the type of Bluetooth® phone connected, received messages may not be transferred to the system.

If the phone does not support the message function, this function cannot be used. Even when the supported phone is used, reply function may not be used.

## Displaying the message screen

- 1 Display the phone top screen. (→P.218)
- 2 Select “Message” (“Messages”).
  - A confirmation message appears when the “Automatic message transfer” function is set to off (→P.240), select “Yes”.
- 3 Check that the message screen is displayed.

“Phone”: Select to change to phone mode.

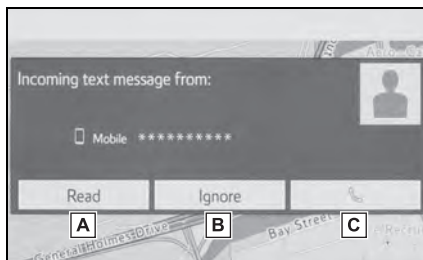
- The account name is displayed on the left side of screen.
- Account names are the names of the accounts that exist on the

currently connected phone.

- The following functions can be used on message function:
  - Receiving a message (→P.229)
  - Checking messages (→P.230)
  - Replying to a message (→P.230)
  - Calling the message sender (→P.231)
  - Message settings (→P.240)

## Receiving a message

When an e-mail/SMS/MMS is received, the incoming message screen pops up with sound and is ready to be operated on the screen.



- A** Select to check the message.
- B** Select to not open the message.
- C** Select to call the message sender.

- Depending on the type of Bluetooth® phone used for receiving messages, or its registration status with the system, some information may not be displayed.

- The pop-up screen is separately available for incoming e-mail and SMS/MMS messages under the following conditions:

E-mail:

- “Incoming E-mail display” is set to

“Full screen”. (→P.234)

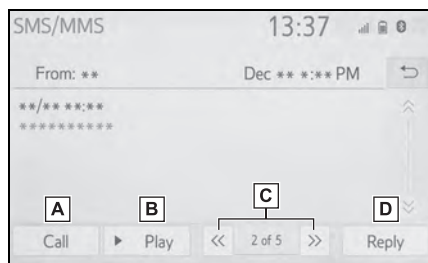
- “E-mail notification pop-up” is set to on. (→P.234)

SMS/MMS:

- “Incoming SMS/MMS display” is set to “Full screen”. (→P.234)
- “SMS/MMS notification pop-up” is set to on. (→P.234)
- Depending on the type of Bluetooth® phone being connected, E-Mail function cannot be used via Bluetooth®.

### Checking received messages

- 1 Display the message screen. (→P.229)
- 2 Select a desired account name.
- 3 Select the desired message from the list.
- 4 Check that the message is displayed.



- A** Select to call the message sender.
- B** Select to have messages read out.  
To cancel this function, select “Stop”.  
When “Automatic message readout” is set to on, messages will be automatically read out.

(→P.240)


- C** Select to display the previous or next message.
- D** Select to reply to the message. (→P.230)

- Reading a text message is not available while driving.
- Depending on the type of Bluetooth® phone being connected, this function cannot be used.
- Depending on the type of Bluetooth® phone being connected, it may be necessary to perform additional steps on the phone.
- Messages are displayed in the appropriate connected Bluetooth® phone's registered mail address folder. Select the desired folder name to be displayed.
- Only received messages on the connected Bluetooth® phone can be displayed.
- The text of the message is not displayed while driving.
- Turn the “POWER VOLUME” knob, or use the volume control switch on the steering wheel to adjust the message read out volume while the message is read out.
- “Subject:” field is not shown on SMS case.
- E-mail only: Select “Mark unread” or “Mark read” to mark mail unread or read on the message screen. This function is available when “Update message read status on phone” is set to on. (→P.240)

### Replying to a message

15 messages have already been stored.

- 1 Display the message screen.  
(→P.229)
- 2 Select the desired message from the list.
- 3 Select "Reply".
- 4 Select the desired message.

 : Select to edit the message.  
(→P.231)

- 5 Select "Send".


"Cancel": Select to cancel sending the message.

- While the message is being sent, a sending message screen is displayed.
- 6 Check that a confirmation screen is displayed when the operation is complete.
  - If an error message is displayed, follow the guidance on the screen to try again.

- 
- Depending on the type of Bluetooth® phone, reply function is not available.

### ■ Editing quick reply messages

This operation cannot be performed while driving.

- 1 Select  corresponding to the desired message to edit.
- 2 Select "OK" when editing is completed.

- 
- To reset the edited quick reply messages, select "Default".
  - Quick message 1 ("I am driving and will arrive in approximately [##] minutes.")\*: This message cannot be edited and

will automatically fill in [##] with the navigation calculated estimated time of arrival on the confirm message screen.

If there are waypoints set, [##] to the next waypoint will be shown.

If there is no route currently set in the navigation system, quick message 1 cannot be selected.

- Depending on the type of Bluetooth® phone used for receiving messages, reply function may not be used.


\*: With navigation function

## Calling the message sender

Calls can be made to an e-mail/SMS/MMS message sender's phone number.

This operation can be performed while driving.

### ■ Calling from e-mail/SMS/MMS message display

- 1 Display the message screen.  
(→P.229)
- 2 Select the desired message.
- 3 Select "Call" or press the  switch on the steering wheel.
- If there are 2 or more phone numbers, select the desired number.
- 4 Check that the dialing screen is displayed.

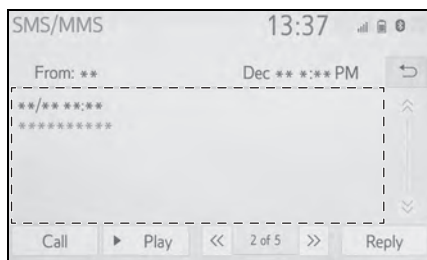
### ■ Calling from a number within a message

Calls can be made to a number identified in a message's text area.

This operation cannot be performed

while driving.

- 1 Display the message screen.  
(→P.229)
- 2 Select the desired message.
- 3 Select the text area.



- Identified phone numbers contained in the message are displayed in blue text.
- 4 Select the desired number.
  - 5 Check that the dialing screen is displayed.
- 
- A series of numbers may be recognized as a phone number. Additionally, some phone numbers may not be recognized, such as those for other countries.

#### ■ Calling from the incoming message screen

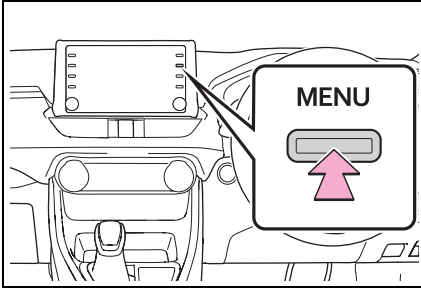
For detail, refer to “Receiving a message”. (→P.229)



## Phone settings

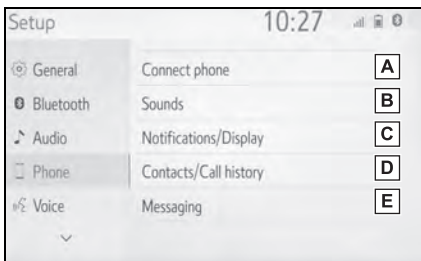
### Displaying the phone settings screen

- 1 Press the "MENU" button.



- 2 Select "Setup".
- 3 Select "Phone".
- 4 Select the desired item to be set.

### Phone settings screen



- A** Connecting a Bluetooth® device and editing the Bluetooth® device information (→P.39, 42)
- B** Sound settings\* (→P.233)
- C** Notifications/display settings\* (→P.234)
- D** Contact/call history settings\*

(→P.235)

- E** Message settings\* (→P.240)

\*: This operation cannot be performed while driving.

### Sounds settings screen

The call and ringtone volume can be adjusted. A ringtone can be selected.

- 1 Display the phone settings screen. (→P.233)
- 2 Select "Sounds".
- 3 Select the desired item to be set.



- A** Select to set the desired ringtone.
- B** Select "-" or "+" to adjust the ringtone volume.
- C** Select "-" or "+" to adjust the default volume of the other

party's voice.

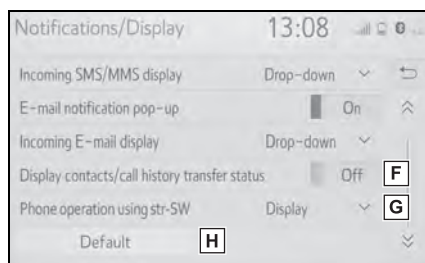
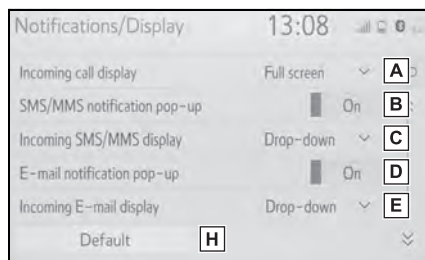
- D** Select to set the desired incoming SMS/MMS tone.
- E** Select “-” or “+” to adjust the incoming SMS/MMS tone volume.
- F** Select to set the desired incoming e-mail tone.
- G** Select “-” or “+” to adjust the incoming e-mail tone volume.
- H** Select “-” or “+” to adjust the message readout volume.
- I** Select to reset all setup items.

● Depending on the type of Bluetooth<sup>®</sup> phone, certain functions may not be available.

### Notifications/Display settings screen

- 1** Display the phone settings screen. (→P.233)
- 2** Select “Notifications/Display”.

- 3** Select the desired item to be set.



- A** Select to change the incoming call display.
  - “Full screen”: When a call is received, the incoming call screen is displayed and can be operated on the screen.
  - “Drop-down”: A message is displayed at the top of the screen.
- B** Select to set the SMS/MMS notification pop-up on/off.
- C** Select to change the incoming SMS/MMS display.
  - “Full screen”: When an SMS/MMS message is received, the incoming SMS/MMS display screen is displayed and can be operated on the screen.
  - “Drop-down”: When an SMS/MMS message is received, a message is displayed at the top of the screen.
- D** Select to set the e-mail notification pop-up on/off.

- E** Select to change the incoming e-mail display.
- “Full screen”: When an e-mail is received, the incoming e-mail display screen is displayed and can be operated on the screen.
  - “Drop-down”: When an e-mail is received, a message is displayed at the top of the screen.
- F** Select to set display of the contact/history transfer completion message on/off.
- G** The phone top screen can be set to be displayed on the multi-information display or system screen.\*
- H** Select to reset all setup items.

\*: If equipped

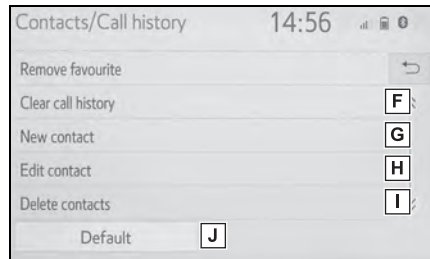
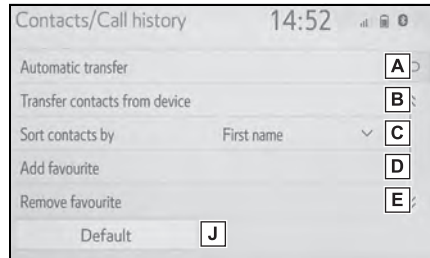
- Depending on the type of Bluetooth® phone, these functions may not be available.

### Contacts/Call history settings screen

Contacts can be transferred from a Bluetooth® phone to this system. Contacts and favourites can be added, edited and deleted. Also, the call history can be deleted.

- 1 Display the phone settings screen. (→P.233)
- 2 Select “Contacts/Call history”.

- 3 Select the desired item to be set.



- A** For PBAP compatible Bluetooth® phones: Select to change the contact/history transfer settings. (→P.236)
- B** Select to update contacts from the connected device. (→P.237)
- C** Select to sort contacts by the first name or last name field.
- D** Select to add contacts to the favourites list. (→P.239)
- E** Select to delete favorites from the favourites list. (→P.239)
- F** Select to clear the call history.\*
- G** Select to add new contacts to the contact list.\* (→P.238)
- H** Select to edit contacts in the contact list.\* (→P.238)

**I** Select to delete contacts from the contact list. \* (→P.239)

**J** Select to reset all setup items.

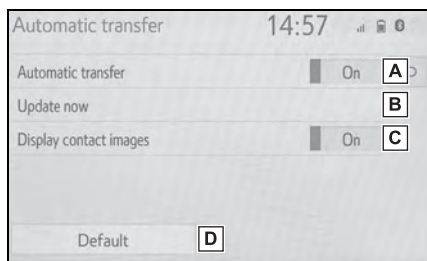
\*: For PBAP compatible Bluetooth® phones, this function is available when “Automatic transfer” is set to off. (→P.236)

- Depending on the type of Bluetooth® phone, certain functions may not be available.
- Contact data is managed independently for every registered phone. When one phone is connected, another phone's registered data cannot be read.

### Setting automatic contact/history transfer

The automatic contact/history function is available for PBAP compatible Bluetooth® phones only.

- 1 Select “Automatic transfer”.
- 2 Select the desired item to be set.



**A** Select to set automatic contact/history transfer on/off. When set to on, the phone's contact data and history are automatically transferred.

**B** Select to update contacts from the connected phone. (→P.236)

**C** Select to set the transferred contact image display on/off.

**D** Select to reset all setup items.

### ■ Updating contacts from phone

1 Select “Update now”.

● Contacts are transferred automatically.

2 Check that a confirmation screen is displayed when the operation is complete.

● This operation may be unnecessary depending on the type of Bluetooth® phone.

● If another Bluetooth® device is connected when transferring contact data, depending on the phone, the connected Bluetooth® device may need to be disconnected.

● Depending on the type of Bluetooth® phone being connected, it may be necessary to perform additional steps on the phone.

### ■ Updating the contacts in a different way (from the call history screen)\*

1 Display the phone top screen. (→P.218)

2 Select “History” and select a contact not yet registered in the contact list.

- 3 Select "Update contact".
- 4 Select the desired contact.
- 5 Select a phone type for the phone number.

\*: For PBAP compatible Bluetooth® phones, this function is available when "Automatic transfer" is set to off. (→P.236)

### Transfer contacts from device

- When an Android Auto connection is established, this function will be unavailable.\*
- \*: This function is not made available in some countries or areas.

### From phone (OPP compatible Bluetooth® phones only)

- ▶ When the contact is not registered
- 1 Select "Transfer contacts from device".
- 2 Select "From phone (Bluetooth)".
- 3 Transfer the contact data to the system using a Bluetooth® phone.
- This operation may be unnecessary depending on the type of Bluetooth® phone.
- To cancel this function, select "Cancel".

- 4 Check that a confirmation screen is displayed when the operation is complete.

▶ When the contact is registered

- 1 Select "Transfer contacts from device".
- 2 Select "From phone (Bluetooth)".
- 3 Select "Replace contacts" or "Add contact".

"Replace contacts": Select to transfer the contact from the connected cellular phone and replace the current one.

"Add contact": Select to transfer the desired contact data from the connected cellular phone to add to the current one.

- 4 Transfer the contact data to the system using a Bluetooth® phone.

- This operation may be unnecessary depending on the type of Bluetooth® phone.
- To cancel this function, select "Cancel".
- 5 Check that a confirmation screen is displayed when the operation is complete.

### From USB device

Backed-up contact data ("vCard" formatted) can be transferred from USB device or Bluetooth® phone to this system.

- 1 Open the lid and connect a USB device. (→P.118)

- 2 Select "Transfer contacts from device".
- 3 Select "From USB".
- 4 Select "USB 1" or "USB 2" when the multiple USB devices are connected. If a USB device is connected, skip this procedure.
- 5 Select "Replace contacts" or "Add contact". If the contact is not registered, skip this procedure.

"Replace contacts": Select to transfer the contact from the connected USB device or Bluetooth® phone and replace the current one.

"Add contact": Select to transfer the desired contact data from the connected USB device or Bluetooth® phone to add to the current one.

- 6 Select a desired file from vCard file list.
- 7 Check that a confirmation screen is displayed when the operation is complete.

- Depending on the type of Bluetooth® phone used and number of files, it may take time to display vCard file lists and download contacts.
- Downloading may not complete correctly in the following cases:
  - If the engine switch <power switch> is turned off during downloading.
  - If the USB device or Bluetooth® phone is removed before downloading is complete.

### Registering a new contact to the contacts list

New contact data can be regis-

tered.

Up to 4 numbers per person can be registered. For PBAP compatible Bluetooth® phones, this function is available when "Automatic transfer" is set to off. (→P.236)

- 1 Select "New contact".
- 2 Enter the name and select "OK".
- 3 Enter the phone number and select "OK".
- 4 Select the phone type for the phone number.
- 5 To add another number to this contact, select "Yes".


### ■ Registering a new contact in a different way (from the call history screen)

- 1 Display the phone top screen. (→P.218)
- 2 Select "History" on the sub menu and select a contact not yet registered in the contact list.
- 3 Select "Add to contacts".
- 4 Follow the steps in "Registering a new contact to the contacts list" from step 2. (→P.238)

### Editing the contact data

For PBAP compatible Bluetooth® phones, this function is available when "Automatic transfer" is set to off. (→P.236)

- 1 Select "Edit contact".
- 2 Select the desired contact.

- 3 Select  next to the name or desired number.
- 4 Enter the name or the phone number and select "OK".

### Deleting the contact data

For PBAP compatible Bluetooth® phones, this function is available when "Automatic transfer" is set to off. (→P.236)

- 1 Select "Delete contacts".
- 2 Select the desired contact and select "Delete".
- 3 Select "Yes" when the confirmation screen appears.

- Multiple data can be selected and deleted at the same time.
- When a Bluetooth® phone is deleted, the contact data will be deleted at the same time.

### Favourites list setting

Up to 15 contacts (maximum of 4 numbers per contact) can be registered in the favourites list.

#### ■ Registering the contacts in the favourites list

- 1 Select "Add favourite".
- 2 Select the desired contact to add to the favourites list.
- Dimmed contacts are already stored as a favourite.
- 3 Check that a confirmation screen is displayed when the operation is complete.

► When 15 contacts have already been registered to the favourites list

- 1 When 15 contacts have already been registered to the favourites list, a registered contact needs to be replaced.

Select "Yes" when the confirmation screen appears to replace a contact.

- 2 Select the contact to be replaced.
- 3 Check that a confirmation screen is displayed when the operation is complete.

#### ■ Registering contacts in the favourites list in a different way (from the contact details screen)

- 1 Display the phone top screen. (→P.218)
- 2 Select "Contacts" and select the desired contact.
- 3 Select "Add favourite".
- 4 Check that a confirmation screen is displayed when the operation is complete.

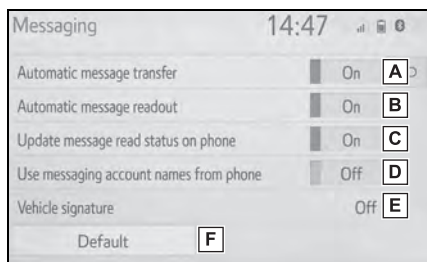
#### ■ Deleting favorites from the favorites list

- 1 Select "Remove favourite".
- 2 Select the desired contacts and select "Remove".
- 3 Select "Yes" when the confirmation screen appears.

- 4 Check that a confirmation screen is displayed when the operation is complete.
- **Deleting favorites from the favorites list in a different way (from the contact details screen)**
  - 1 Display the phone top screen. (→P.218)
  - 2 Select “Favourites” or “Contacts” and then select the favorite you wish to delete.
  - 3 Select “Remove favourite”.
  - 4 Select “Yes” when the confirmation screen appears.
  - 5 Check that a confirmation screen is displayed when the operation is complete.

### Message settings screen

- 1 Display the phone settings screen. (→P.233)
- 2 Select “Messaging”.
- 3 Select the desired item to be set.



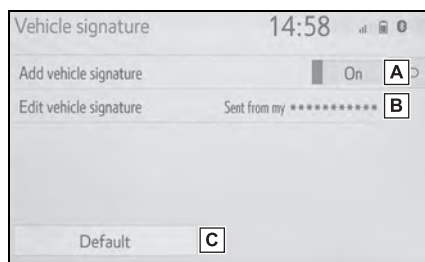
- A Select to set automatic message transfer on/off.

- B Select to set automatic message readout on/off.
- C Select to set updating message read status on phone on/off.
- D Select to set display of messaging account names on the message screen on/off.  
When set to on, messaging account names used on the cellular phone will be displayed.
- E Select to change the vehicle signature settings. (→P.240)
- F Select to reset all setup items.

● Depending on the phone, these functions may not be available.

### Vehicle signature settings

- 1 Select “Vehicle signature”.
- 2 Select the desired item to be set.



- A Select to set adding the vehicle signature to outgoing messages on/off.
- B Select to edit the vehicle signature. (→P.241)
- C Select to reset all setup items.



**■ Editing vehicle signature**

- 1** Select “Edit vehicle signature”.
- 2** Enter desired signature with using keyboard.
- 3** Select “OK”.
- 4** Select “OK” on the confirmation screen, or select “Edit again” when it needs to amend.

## Troubleshooting

**If there is a problem with the hands-free system or a Bluetooth® device, first check the table below.**

## Troubleshooting

### ■ When using the hands-free system with a Bluetooth® device

The hands-free system or Bluetooth® device does not work.

Likely cause	Solution
The Bluetooth® version of the connected cellular phone may be older than the specified version.	Use a cellular phone with Bluetooth® version 2.0 or higher (recommended: Ver. 4.2). (→P.37)

### ■ When registering/connecting a cellular phone

A cellular phone cannot be registered.

Likely cause	Solution
An incorrect pass-code was entered on the cellular phone.	Enter the correct passcode on the cellular phone.

Likely cause	Solution
The registration operation has not been completed on the cellular phone side.	Complete the registration operation on the cellular phone (approve registration on the phone).
Old registration information remains on either this system or the cellular phone.	Delete the existing registration information from both this system and the cellular phone, then register the cellular phone you wish to connect to this system. (→P.41)



A Bluetooth® connection cannot be made.

Likely cause	Solution
Another Bluetooth® device is already connected.	Manually connect the cellular phone you wish to use to this system. (→P.39)
Bluetooth® function is not enabled on the cellular phone.	Enable the Bluetooth® function on the cellular phone.
Automatic Bluetooth® connection on this system is set to off.	Set automatic Bluetooth® connection on this system to on when the engine switch <power switch> is in ACC or ON. (→P.43)

Likely cause	Solution
Preferred device settings function on this system is set to on.	Set preferred device settings function on this system to off. (→P.44)
	Set the desired cellular phone to the highest automatic connection priority. (→P.44)

### ■ When making/receiving a call

A call cannot be made/received.

Likely cause	Solution
Your vehicle is in a  area.	Move to where  no longer appears on the display.

### ■ When using the phonebook

Phonebook data cannot be transferred manually/automatically.

Likely cause	Solution
Automatic contact transfer function on this system is set to off.	Set automatic contact transfer function on this system to on. (→P.236)
Passcode has not been entered on the cellular phone.	Enter the passcode on the cellular phone if requested (default passcode: 1234).
Transfer operation on the cellular phone has not completed.	Complete transfer operation on the cellular phone (approve transfer operation on the phone).

Phonebook data cannot be edited.

Likely cause	Solution
Automatic contact transfer function on this system is set to on.	Set automatic contact transfer function on this system to off. (→P.236)

### ■ When using the Bluetooth® message function

Messages cannot be viewed.

Likely cause	Solution
Message transfer is not enabled on the cellular phone.	Enable message transfer on the cellular phone (approve message transfer on the phone).
Automatic transfer function on this system is set to off.	Set automatic transfer function on this system to on. (→P.236)

New message notifications are not displayed.

Likely cause	Solution
Notification of SMS/MMS/E-mail reception on this system is set to off.	Set notification of SMS/MMS/E-mail reception on this system to on. (→P.234)
Automatic message transfer function is not enabled on the cellular phone.	Enable automatic transfer function on the cellular phone.

### ■ In other situations

The Bluetooth® connection status is displayed at the top of the screen

each time the engine switch  
<power switch> is in ACC or ON.

Likely cause	Solution
Connection confirmation display on this system is set to on.	To turn off the display, set connection confirmation display on this system to off. (→P.43)

Even though all conceivable measures have been taken, the symptom status does not change.

Likely cause	Solution
The cellular phone is not close enough to this system.	Bring the cellular phone closer to this system.
Radio interference has occurred.	Turn off Wi-Fi® devices or other devices that may emit radio waves.

Likely cause	Solution
The cellular phone is the most likely cause of the symptom.	Turn the cellular phone off, remove and reinstall the battery pack, and then restart the cellular phone.
	Enable the cellular phone's Bluetooth® connection.
	Disable the Wi-Fi® connection of the cellular phone.
	Stop the cellular phone's security software and close all applications.
	Before using an application installed on the cellular phone, carefully check its source and how its operation might affect this system.

- For details, refer to the owner's manual that came with the cellular phone.

## Toyota App Suite

### 8

#### 8-1. Toyota App Suite overview

Toyota App Suite service ..246

#### 8-2. Toyota App Suite operation

Toyota App Suite.....248

#### 8-3. Setup

Toyota App Suite settings .252

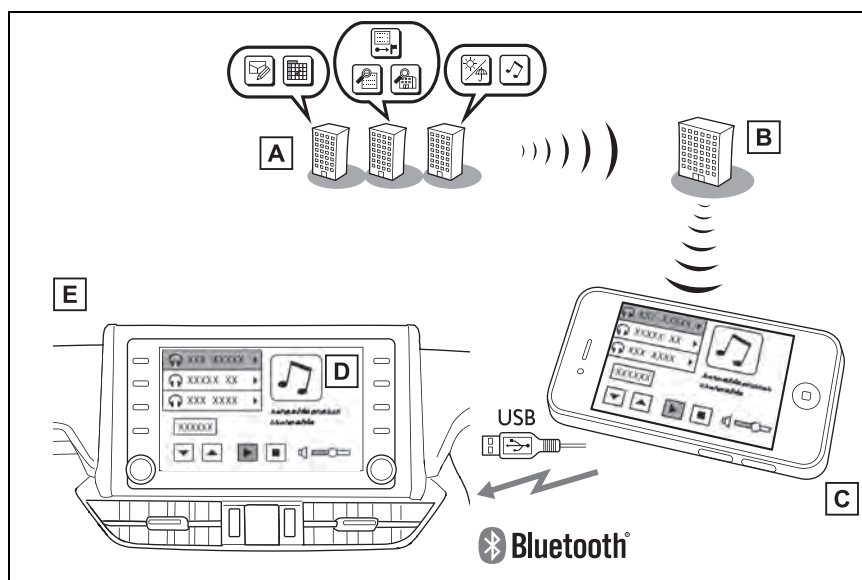
## Toyota App Suite service<sup>\*</sup>

<sup>\*</sup>: This function is not available in some countries or areas.

**Toyota App Suite enables applicable apps installed on a smart-phone to be displayed on and operated from the screen via Bluetooth®.**

**A few settings must be performed before Toyota App Suite can be used. (→P.247)**

## Toyota App Suite



### **A** Contents provider

Provides contents to the application server.

### **B** Application server

Provides applications to the navigation system via a smartphone.

### **C** Smartphone<sup>\*</sup>

Using the Toyota App Suite application, communication is relayed between the system, application server and contents provider.

A smartphone cannot be operated while communicating.

### **D** Applications

Displays and sounds the usable contents from the contents providers via a smart-phone on the application player.

### **E** Navigation system

Contents received, via a smartphone, from the contents provider servers are displayed on the navigation screen. The navigation system is equipped with an application player to run applications.

\*: For known compatible phones, refer to <https://www.toyota.com.au/> or <https://www.toyota.co.nz>.

## **Before using the function**

### ■ Availability of service

- Toyota App Suite is available in Australia and New Zealand.
- 
- Data usage fees may apply while using Toyota App Suite function. Confirm data usage fees before using this function.
  - For details regarding operation of the Toyota App Suite and the applications, refer to <https://www.toyota.com.au/> or <https://www.toyota.co.nz>.
  - Availability of functions of the Toyota App Suite service is dependent on network reception level.

### ■ Initializing personal data

The personal data used in applications can be reset. (→P.55)

- The following personal data can be deleted and returned to their default settings:
    - Downloaded contents
    - Radio stations that were listened to
    - Entered history
- 
- Once initialized, data will be erased. Pay close attention when initializing the data.

## **Preparation before using Toyota App Suite**

### ■ Settings required to use Toyota App Suite

Perform the settings in the following order.

- 1 Download the Toyota App Suite application to your smartphone or the system.
- 2 Register a Bluetooth® phone with the hands-free system. (→P.34)

- 
- Applications can only be used when the Toyota App Suite application has been downloaded to your smartphone or the system and the application is running.
  - Toyota App Suite operational procedures can also be confirmed by visiting <https://www.toyota.com.au/> or <https://www.toyota.co.nz>.
  - If a Toyota App Suite application is used while iPod audio/video is being played back, system operation may become unstable.

## Toyota App Suite

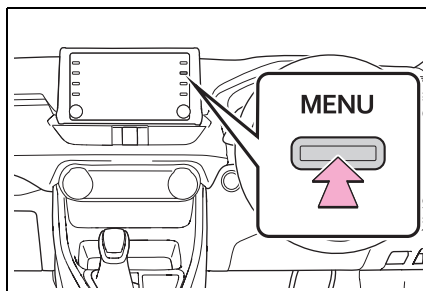
Toyota App Suite is a function that enables certain apps installed on a smartphone or the system to be displayed on and operated from the navigation system screen. Before the Toyota App Suite can be used, some setup needs to be performed. (→P.247)

For details about the function and service provided by each application, refer to <https://www.toyota.com.au/> or <https://www.toyota.co.nz.>

## Using Toyota App Suite

► From the “MENU” button

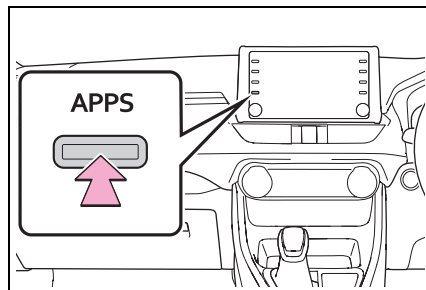
1 Press the “MENU” button.



2 Select “Apps”.

► From the “APPS” button

1 Press the “APPS”.




2 Select “Apps”.

● If a specific application screen is displayed, select “Apps” again.

3 Select the desired application screen button.

 : Select to activate an application.

“Update”: Select to update the application. (→P.248)

 : Displays the number of new notifications for the application.

## Updating an application

When the Toyota App Suite is activated, an application may need to be updated. By updating the application, it can be kept to the latest version. To update the application, it is necessary to download the updated data and install it.

### ■ Downloading update

If an update is available, “Update” can be selected.

1 Select “Update” on the application screen. (→P.249)

2 Check that downloading starts.

“Download in background”: Select to



operate other functions while downloading.

“Cancel”: Select to cancel updating.

### 3 Check that downloading is complete.

“Later”: Select to install later. When this screen button is selected, the screen will return to the last displayed screen. To install the update data: (→P.249)

“Show details”: Select to display detailed information on the update data.

“Install”: Select to install the update data. Follow the steps “Installing the update data” from step 2. (→P.249)

### ■ Installing the update data

After the downloading is complete, “Update” will be changed to “Install”.

#### 1 Select “Install” on the application screen. (→P.248)

#### 2 Select “Continue”.

“Later”: Select to postpone the installation of the update data and go back to the previous screen.

#### 3 Check that installing is started.

“Install in background”: Select to operate other functions while installing.

#### 4 Select “OK” after the installing is complete.

- The Toyota App Suite function cannot be operated while installing.

### If a message appears on the screen

When problems occur with starting the application player, a message will appear on the screen. Referring to the table below, identify the problem and take the suggested correction.

tion.

- “Installation could not be completed. Try again.”

Application download can be attempted again by changing to the application screen.

- “When it is safe and legal to do so, ensure your Toyota App Suite application is running and logged in on your phone.”

“Download could not be completed. Some Toyota App Suite functions may not work as expected. Reinitiate the download process.”

“Application download could not be completed. Try again later.”

The Toyota App Suite application cannot be connected to Bluetooth® SPP. Refer to <https://www.toyota.com.au/> or <https://www.toyota.co.nz> to confirm if the phone is Bluetooth® SPP compatible or not, and then activate the Toyota App Suite application.

Please ensure your Toyota App Suite application is running and logged in on your phone while vehicle is not moving.

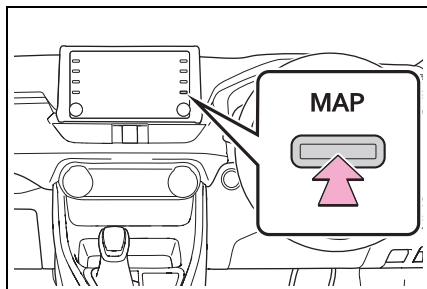
### Linking Toyota App Suite and navigation local function


If the vehicle is fitted with a navigation system, setting a destination and making a hands-free call can be performed via Toyota App Suite. For details about the function and service of each application, refer to <https://www.toyota.com.au/> or

<https://www.toyota.co.nz.>

### ■ From the “MAP” button

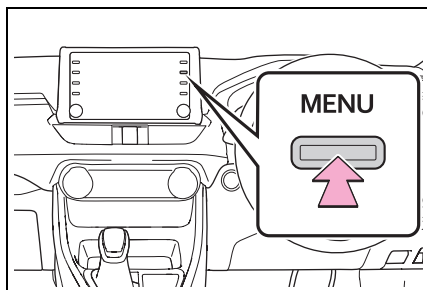
- 1 Press the “MAP” button.



- 2 Select  .
- 3 Select “Web search”.
- 4 Check that the “Web search” screen is displayed.

### ■ From the “MENU” button

- 1 Press the “MENU” button.



- 2 Select “Destination”.
- 3 Select “Web search”.
- 4 Check that the “Web search” screen is displayed.

### Setting a destination using Toyota App Suite

Locations that were searched using Toyota App Suite can be set as a

destination.

- 1 Display the “Web search” screen. (→P.249)
  - 2 Select the desired application button to search.
  - 3 Enter a search term, and select “Go”.
  - 4 Select “Map”.
  - 5 Select “Go directly”.
  - 6 Select “OK” to start guidance.
- For the operation of the route guidance screen and the function of each screen button: →P.82

### Making a phone call using Toyota App Suite

Phone calls can be made to locations which were searched using Toyota App Suite.

- 1 Display the “Web search” screen. (→P.249)
  - 2 Select the desired application button to search.
  - 3 Enter a search term, and select “Go”.
  - 4 Select a switch to make a call.
  - 5 Select “Yes”.
- “Cancel”: Select to cancel making a phone call.
- 6 Check that the call screen is displayed.
- For phone operation and the function of each screen button: →P.227

## Entering keyword operation

A keyword can be entered to an application by the software keyboard.

For details about the functions and services provided by each application, refer to

<https://www.toyota.com.au/> or  
<https://www.toyota.co.nz>.

- The keyboard layout can be changed. (→P.55)

### ■ Entering a keyword using the software keyboard

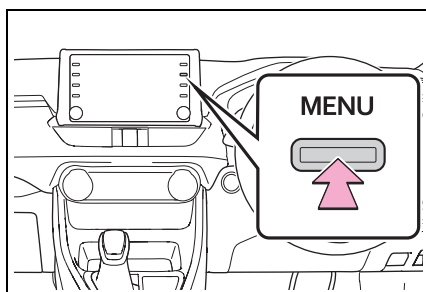
- 1 Display the application screen.  
(→P.248)
  - 2 Select the desired application screen button.
  - 3 Select the character entering space.
  - 4 Enter a search terms, and then select “OK”.
  - 5 Entering characters will be reflected on the character entering space.
- For details on operating the keyboard: →P.28

## Toyota App Suite settings

The settings of Toyota App Suite can be changed.

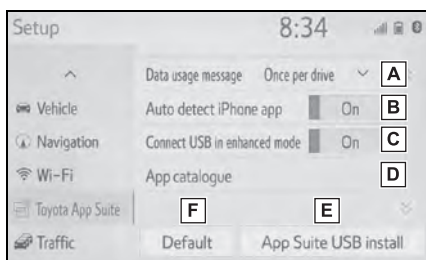
### Displaying the Toyota App Suite settings screen

- 1 Press the “MENU” button.



- 2 Select “Setup”.
- 3 Select “Toyota App Suite”.
- 4 Select the items to be set.

### Toyota App Suite settings screen



- A Select to set the pop up reminder for smartphone data usage.
- B Select to detect if an iPhone app

is automatically turned on/off.

- C Select to turn on/off the enhanced USB connection mode.
  - When an iPhone is connected while this setting is set to “On”, communication with devices connected to other USB ports may not be possible. Also, depending on the device, charging may not be possible.
- D Select to configure the Apps menu layout (e.g. app order, which applications are activated, etc.).
- E Select to install the Apps via a USB memory device. For details, contact your Toyota dealer.
- F Select to reset all setup items.

Index



Alphabetical Index .....254

# Alphabetical Index

## A

<b>AM/FM/DAB radio</b> .....	122
Overview .....	122
Presetting a station .....	123
RDS (Radio data system) .....	124
<b>Android Auto</b> .....	130
Overview .....	130
<b>“Android Auto” button (“Menu” screen)</b> .....	15, 49
<b>Apple CarPlay/Android Auto</b> .....	48
Establishing an Android Auto connection .....	49
Establishing an Apple CarPlay connection .....	48
Troubleshooting .....	51
<b>“Apple CarPlay” button (“Menu” screen)</b> .....	15, 48
<b>“Apps” button (“Menu” screen)</b> .....	15, 248
<b>“APPS” button</b> .....	12, 248
<b>Audio/visual remote controls</b> .....	137
<b>“Audio” button (“Menu” screen)</b> .....	15, 116
<b>“Audio” button (“Setup” screen)</b> .....	18, 139
<b>“AUDIO” button</b> .....	12, 116
<b>Audio settings</b> .....	139
Audio settings screen .....	139
Displaying the audio settings screen .....	139

## B

<b>Basic function</b> .....	12
<b>Basic information before operation</b> .....	24
<b>Basic operation</b> .....	64, 116
<b>Bluetooth® audio</b> .....	131
Overview .....	131
Registering/Connecting a	

Bluetooth® device .....	133
-------------------------	-----

<b>Bluetooth® phone message function</b> .....	229
Calling the message sender .....	231
Checking received messages .....	230
Displaying the message screen .....	229
Receiving a message .....	229
Replying to a message .....	230
<b>“Bluetooth” button (“Setup” screen)</b> .....	18, 38
<b>Buttons overview</b> .....	12
Operations of each part .....	12

## C

<b>Checking around the vehicle</b> .....	186
Screen display .....	186
<b>Checking the front and around the vehicle</b> .....	187
Screen display .....	187
<b>Checking the rear and around the vehicle</b> .....	193
Guide lines displayed on the screen .....	195
Parking .....	198
Screen display .....	193
<b>Checking the sides of the vehicle</b> .....	190
Screen display .....	190
<b>“CH TRACK” button</b> .....	12
AM/FM/DAB radio .....	123
Android Auto .....	130
Bluetooth® audio .....	132
iPod/iPhone (Apple CarPlay) .....	128
USB memory .....	127
<b>Clock settings</b> .....	15, 56
<b>Command list</b> .....	152
Command list overview .....	152
<b>Connecting to Miracast® via Wi-Fi®</b> .....	46
Displaying the Wi-Fi® settings	

screen .....	46
Wi-Fi® function operating hints ....	46
Wi-Fi® settings screen .....	46
<b>Connectivity settings .....</b>	<b>34</b>
<b>Customizing the panoramic view</b>	
<b>monitor .....</b>	<b>202</b>
Changing the body colour displayed	
in the panoramic view monitor .	202

## D

<b>“Destination” button (“Menu”</b>	
<b>screen) .....</b>	<b>15, 75</b>
<b>Destination search .....</b>	<b>75</b>
<b>Destination search operation .....</b>	<b>75</b>
Destination search screen .....	75
One-touch setting home/favourite as	
a destination .....	80
Searching by address .....	76
Searching by coordinates .....	80
Searching by emergency .....	80
Searching by favourites list .....	77
Searching by keyword.....	76
Searching by point of interest .....	78
Searching by smartphone collabora-	
tion .....	81
Searching from recent destinations	
.....	77
Selecting search area .....	75
Setting home as destination.....	78
<b>Detailed navigation settings.....</b>	<b>100</b>
Detailed navigation settings screen	
.....	100
Displaying the detailed navigation	
settings screen .....	100
My memory settings.....	103
<b>“Display” button</b>	
<b>(“Menu” screen) .....</b>	<b>15, 31</b>
<b>Distance guide line display mode</b>	<b>172</b>
Screen description .....	172

## E

<b>“ECO” button (“Information” screen)</b>	
.....	19
<b>Editing route.....</b>	<b>91</b>
Displaying the edit route screen...	91
<b>Entering letters and numbers/list</b>	
<b>screen operation .....</b>	<b>28</b>
Entering letters and numbers.....	28
List screen.....	29
<b>Estimated course line display mode</b>	
.....	170
Screen description .....	170

## G

<b>“General” button (“Setup” screen)</b>	
.....	18, 55
<b>General settings.....</b>	<b>55</b>
Displaying the general settings	
screen .....	55
General settings screen .....	55
<b>GPS (Global Positioning System)111</b>	
Limitations of the navigation system	
.....	111
<b>Guiding the route.....</b>	<b>21</b>
Deleting destinations.....	21
Setting the destination.....	21

## H

<b>“HOME” button .....</b>	<b>12, 27</b>
<b>Home screen .....</b>	<b>27</b>
Home screen operation.....	27

## I

<b>“Info”/“Information” button (“Menu”</b>	
<b>screen).....</b>	<b>15, 19</b>
<b>“INFO” button .....</b>	<b>12</b>
<b>“Information” screen.....</b>	<b>19</b>
<b>Initial screen.....</b>	<b>24</b>
Caution screen .....	24

Maintenance information.....	24
Restarting the system .....	24
<b>iPod/iPhone (Apple CarPlay) .....</b>	<b>128</b>
Overview .....	128

## L

<b>Linking multi-information display and the system .....</b>	<b>33</b>
-------------------------------------------------------------------	-----------

## M

<b>Magnifying function .....</b>	<b>201</b>
Magnifying the display .....	201
<b>“MAP” button .....</b>	<b>12, 64</b>
<b>Map database version and covered area .....</b>	<b>113</b>
Map information .....	113
<b>Map screen information .....</b>	<b>69</b>
Displaying information about the icon where the cursor is set .....	72
Displaying the map options screen .....	69
Standard map icons .....	72
<b>Map screen operation .....</b>	<b>66</b>
Adjusting location in small incre- ments .....	68
Current position display .....	66
Map scale .....	66
Map scroll operation .....	67
Orientation of the map .....	67
<b>Media operation .....</b>	<b>126</b>
<b>“MENU” button .....</b>	<b>12, 15</b>
<b>“Menu” screen .....</b>	<b>15</b>
“Menu” screen operation .....	15
<b>Miracast® .....</b>	<b>134</b>
Connecting a Miracast® device ..	135
Overview .....	134

## N

<b>Navigation .....</b>	<b>64</b>
-------------------------	-----------

Map screen overview .....	64
<b>“Navigation” button (“Setup” screen) .....</b>	<b>18, 94</b>
<b>Navigation operation .....</b>	<b>20</b>
<b>Navigation settings .....</b>	<b>94</b>
Displaying navigation settings screen .....	94
Navigation settings screen .....	94
Setting up areas to avoid .....	98
Setting up favourites list .....	95
Setting up home .....	94

## O

<b>Operating information .....</b>	<b>140</b>
Error messages .....	147
File information .....	142
High-resolution sound source ....	142
iPod/iPhone .....	141
Radio .....	140
Terms .....	146
<b>Operating the map screen .....</b>	<b>20</b>
Displaying the current position of the vehicle on the map screen .....	20
Moving the map screen .....	20
Zooming in/out the map .....	20
<b>Other settings .....</b>	<b>55</b>

## P

<b>Panoramic view monitor .....</b>	<b>180</b>
Camera switch .....	182
Display .....	182
Driving precautions .....	180
How to switch the display .....	183
<b>Panoramic view monitor precautions .....</b>	<b>203</b>
Area displayed on screen .....	203
Difference between the screen and the actual road .....	207
Distortion of three-dimensional objects on the screen .....	209



The camera.....	206
When approaching three-dimensional objects .....	209
<b>Parking assist guide line display mode.....</b>	<b>171</b>
Screen description .....	171
<b>“Phone” button (“Menu” screen) .....</b>	<b>15, 218</b>
<b>“Phone” button (“Setup” screen).....</b>	<b>18, 233</b>
<b>“PHONE” button .....</b>	<b>12, 218</b>
<b>Phone operation (Hands-free system for cellular phones).....</b>	<b>218</b>
<b>Phone settings.....</b>	<b>233</b>
Contacts/Call history settings screen .....	235
Displaying the phone settings screen .....	233
Message settings screen .....	240
Notifications/Display settings screen .....	234
Phone settings screen .....	233
Sounds settings screen.....	233
<b>Placing a call using the Bluetooth® hands-free system .....</b>	<b>223</b>
By call history .....	223
By contacts list .....	224
By favourites list .....	224
By home screen .....	225
By keypad .....	225
Calling methods on the Bluetooth® phone.....	223
<b>“POWER VOLUME” knob 12, 24, 117</b>	

**Q**

<b>Quick reference .....</b>	<b>116, 218</b>
Functional overview .....	116
Phone screen operation.....	218

**R**

<b>Radio operation .....</b>	<b>122</b>
<b>Rear view monitor system .....</b>	<b>158</b>
Driving precautions .....	158
Screen description .....	159
<b>Rear view monitor system precautions.....</b>	<b>160</b>
Area displayed on screen.....	160
Differences between the screen and the actual road .....	161
The camera .....	160
When approaching three-dimensional objects .....	163
<b>Receiving a call using the Bluetooth® hands-free system..</b>	<b>226</b>
Incoming calls .....	226
<b>Registering/Connecting a Bluetooth® device .....</b>	<b>34</b>
Profiles .....	37
Registering a Bluetooth® audio player for the first time .....	36
Registering a Bluetooth® phone for the first time .....	34
<b>Registering home .....</b>	<b>22</b>
Setting home as the destination...	22
<b>Route guidance.....</b>	<b>86</b>
<b>Route guidance screen .....</b>	<b>86</b>
During motorway driving .....	87
Lane list screen .....	90
Screen for route guidance.....	86
Turn list screen.....	89
Turn-by-turn arrow screen.....	89
When approaching intersection....	89

**S**

<b>Screen adjustment.....</b>	<b>31</b>
Displaying the screen adjustment screen .....	31
<b>Setting Bluetooth® details .....</b>	<b>38</b>

“Detailed settings” screen .....	43
Bluetooth® setup screen .....	39
Connecting a Bluetooth® device ..	39
Deleting a Bluetooth® device .....	41
Displaying the Bluetooth® setup screen .....	38
Editing the Bluetooth® device information .....	42
Registering a Bluetooth® device ..	41
<b>Setup .....</b>	<b>94, 139, 233, 252</b>
“Setup” button (“Menu” screen) .....	15, 18
“Setup” screen .....	18
<b>Some basics .....</b>	<b>117, 219</b>
About the contacts in the contact list .....	222
Audio screen adjustment .....	120
Registering/Connecting a Bluetooth® phone .....	220
Reordering the audio source.....	118
Selecting an audio source.....	117
Sound settings .....	118
Speech command system..	121, 222
Turning the system on and off....	117
USB port .....	118
Using the phone switch/microphone .....	220
When selling or disposing of the vehicle .....	222
<b>Speech command system .....</b>	<b>150</b>
Speech command system operation .....	151
Using the speech command system .....	150
<b>Starting route guidance .....</b>	<b>82</b>
Confirm destination screen .....	83
Route overview screen .....	83
<b>Status icon .....</b>	<b>16</b>
Status icon explanation.....	16
<b>Steering switch</b>	

“MODE” switch .....	137
Phone switch .....	220
Talk switch .....	150, 222
Volume control switch .....	137, 220
⏮ ⏭ switch .....	137
<b>Steering switches .....</b>	<b>137</b>
Steering switch operation.....	137

## T

<b>Talking on the Bluetooth® hands-free system .....</b>	<b>227</b>
Call screen operation .....	227
Incoming call waiting .....	228
Sending tones .....	227
Switching calls while a call is in progress .....	228
Transmit volume setting .....	228
<b>Things you should know .....</b>	<b>165, 178, 213</b>
If you notice any symptoms.....	165, 178, 213
Product license.....	215
<b>Tips for operating the audio/visual system .....</b>	<b>140</b>
<b>Tips for the navigation system ....</b>	<b>111</b>
<b>Touch screen.....</b>	<b>25</b>
Touch screen gestures .....	25
Touch screen operation.....	26
<b>Toyota App Suite.....</b>	<b>248</b>
Entering keyword operation .....	251
If a message appears on the screen .....	249
Linking Toyota App Suite and navigation local function .....	249
Updating an application.....	248
Using Toyota App Suite .....	248
<b>Toyota App Suite operation .....</b>	<b>248</b>
<b>Toyota App Suite overview .....</b>	<b>246</b>
<b>Toyota App Suite service .....</b>	<b>246</b>
Before using the function .....	247

Preparation before using Toyota App Suite .....	247
Toyota App Suite .....	246
<b>Toyota App Suite settings.....</b>	<b>252</b>
Displaying the Toyota App Suite settings screen .....	252
Toyota App Suite settings screen.....	252
<b>“Toyota App Suite settings” button (“Setup” screen).....</b>	<b>18, 252</b>
<b>Toyota parking assist monitor ....</b>	<b>167</b>
Driving precautions .....	167
Screen display .....	168
Using the system .....	169
<b>Toyota parking assist monitor precautions .....</b>	<b>173</b>
Area displayed on screen .....	173
Differences between the screen and the actual road .....	174
The camera .....	174
When approaching three-dimensional objects .....	176
<b>“Traffic” button (“Setup” screen).....</b>	<b>18, 106</b>
<b>“Traffic incidents” button (“Information” screen) .....</b>	<b>19, 73</b>
<b>Traffic information .....</b>	<b>73</b>
Displaying the traffic incidents screen .....	73
Displaying traffic information on the map .....	74
<b>Traffic settings .....</b>	<b>106</b>
Displaying the traffic settings screen .....	106
Screen for traffic settings .....	106
<b>Troubleshooting .....</b>	<b>242</b>
<b>“TUNE SCROLL” knob.....</b>	<b>12</b>
AM/FM/DAB radio .....	123
Android Auto .....	130
Bluetooth® audio .....	132
iPod/iPhone (Apple CarPlay) .....	128
USB memory.....	127

<b>Typical voice guidance prompts ...</b>	<b>90</b>
-------------------------------------------	-----------

## U

<b>USB memory .....</b>	<b>126</b>
Overview .....	126

## V

<b>“Vehicle” button (“Setup” screen).....</b>	<b>18, 59</b>
<b>Vehicle settings.....</b>	<b>59</b>
Displaying the vehicle settings screen .....	59
Maintenance.....	59
Vehicle settings screen .....	59
<b>“Voice” button (“Setup” screen).....</b>	<b>18, 58</b>
<b>Voice settings.....</b>	<b>58</b>
Displaying the voice settings screen .....	58
Voice settings screen .....	58

## W

<b>What to do if.....</b>	<b>242</b>
<b>When folding the outside rear view mirrors.....</b>	<b>200</b>
Screen display.....	200
<b>“Wi-Fi” button (“Setup” screen).....</b>	<b>18, 46</b>

**For more information about the following items, see the “Owner’s Manual”.**

- Fuel consumption
- Energy monitor (RAV4 HYBRID)
- Vehicle customization settings

## Map database information and updates

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## Certification

Information of the radio device: Type FT0106C

1. Name and postal address of the manufacturer

Name: DENSO TEN Limited

Address: 2-28, Goshō-dori 1-chome, Hyogo-ku, Kobe,  
652-8510 Japan

2. Simplified EU declaration of conformity

С настоящото DENSO TEN Limited декларира, че този тип радиосъоръжение FT0106C е в съответствие с Директива 2014/53/EC.

Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

При оборудване с Bluetooth и/или WLAN функционалност.

Функция	Работна честотна лента	Максимална радиочестотна мощност
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.

Ovim putem, DENSO TEN Limited izjavljuje da je vrsta radio opreme FT0106C u saglasnosti s Direktivom 2014/53/EU.

Cijeli tekst EC deklaracije o usaglašenosti je dostupan na sljedećoj internetskoj adresi:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Ako postoji Bluetooth i/ili WLAN funkcionalnost.

Funkcija	Radni frekvencijski pojas	Maksimalna radiofrekvencijska snaga
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.



Tímto DENSO TEN Limited prohlašuje, že typ rádiového zařízení FT0106C je v souladu se směrnicí 2014/53/EU.

Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

V případě dostupnosti funkčnost Bluetooth a/nebo WLAN.

Funkce	Provozní frekvenční pásmu	Maximální radiofrekvenční výkon
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.

Hermed erklærer DENSO TEN Limited, at radioudstyrstypen FT0106C er i overensstemmelse med direktiv 2014/53/EU.

EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Når det er udstyret med Bluetooth- og/eller WLAN-funktionalitet.

Funktion	Driftsfrekvensbandet	Maksimal radio-frekvens effekt
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.

Hiermit erklärt DENSO TEN Limited, dass der Funkanlagentyp FT0106C der Richtlinie 2014/53/EU entspricht.

Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Sofern mit Bluetooth- und/oder WLAN-Funktionalität ausgestattet.

Funktion	Betriebsfrequenzband	Maximale Hochfrequenzleistung
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.

Με την παρούσα ο/η DENSO TEN Limited, δηλώνει ότι ο ραδιοεξοπλισμός FT0106C πληροί την οδηγία 2014/53/ΕΕ.

Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Με λειτουργικότητα Bluetooth ή/και WLAN.

Λειτουργία	Ζώνη συχνοτήτων λειτουργίας	Μέγιστη ισχύς ραδιοσυχνότητας
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.

Hereby, DENSO TEN Limited declares that the radio equipment type FT0106C is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Where equipped with Bluetooth and/or WLAN functionality.

Function	Operating frequency band	Maximum radio-frequency power
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.

Por la presente, DENSO TEN Limited declara que el tipo de equipo radioeléctrico FT0106C es conforme con la Directiva 2014/53/UE.

El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Si incorpora la funcionalidad Bluetooth y/o WLAN.

Función	Banda de frecuencia operativa	Potencia máxima de la radiofrecuencia
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.



Käesolevaga deklareerib DENSO TEN Limited, et käesolev raadioseadme tüüp FT0106C vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Bluetooth ja/või WLAN funktsionaalsuse olemasolul.

Funktsioon	Töösageduse lainela	Maksimaalne raadiosageduslik võimsus
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.

DENSO TEN Limited vakuuttaa, että radiolaitetyypin FT0106C on direktiivin 2014/53/EU mukainen.

EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Jos varustettu Bluetooth- ja/tai WLAN-toiminnallisuudella.

Toiminto	Toimintataajuuskaista	Maksimi radiotaajuusteho
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.

Le soussigné, DENSO TEN Limited, déclare que l'équipement radioélectrique du type FT0106C est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Si équipé de la fonctionnalité Bluetooth et/ou WLAN.

Fonction	Bande de fréquence de fonctionnement	Puissance maximale de la radiofréquence
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.

Leis seo, dearbhaíonn DENSO TEN Limited go gcomhlíonn an cineál trealaimh raidió FT0106C Treoir 2014/53/EU.

Tá an téacs iomlán den dearbhú comhréireachta AE ar fáil ag an seoladh Idirlín seo a leanas:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Sa chás go bhfuil feidhmíúlacht Bluetooth agus/nó WLAN feistithe.

Feidhm	Banda minicíochta oibriúcháin	Uaschumhacht radaimhnicíochta
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.

DENSO TEN Limited ovime izjavljuje da je radijska oprema tipa FT0106C u skladu s Direktivom 2014/53/EU.

Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Kada je opremljeno funkcionalnošću Bluetooth i/ili WLAN.

Funkcija	Radni frekvencijski pojas	Maksimalna radiofrekvencijska snaga
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 - 2472 MHz	16 dBm e.i.r.p.

DENSO TEN Limited igazolja, hogy a FT0106C típusú rádióberendezés megfelel a 2014/53/EU irányelvnek.

Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Ha van beépített Bluetooth és/vagy WLAN funkcionalitás.

Funkció	Üzemi frekvencia-tartomány	Maximális rádiófrekvenciás teljesítmény
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 - 2472 MHz	16 dBm e.i.r.p.

Hér með, lýsir DENSO TEN Limited því yfir að gerð útvarpsbúnaðarins FT0106C samræmist tilskipun 2014/53/EU.

Allur texti ESB-samræmisýfirlýsingarinnar er aðgengilegur á eftirfarandi veffangi:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Þegar Bluetooth-virkni og/eða WLAN-virkni fylgir.

Aðgerð	Notkunartíðni hljómsveit	Hámarks útvarp-tíðni vald
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 - 2472 MHz	16 dBm e.i.r.p.

Il fabbricante, DENSO TEN Limited, dichiara che il tipo di apparecchiatura radio FT0106C è conforme alla direttiva 2014/53/UE.

Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Nei casi in cui è presente la funzionalità Bluetooth e/o WLAN.

Funzione	Frequenza operativa	Massima potenza a radiofrequenza
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 - 2472 MHz	16 dBm e.i.r.p.

Aš, DENSO TEN Limited, patvirtinu, kad radijo įrenginių tipas FT0106C atitinka Direktyvą 2014/53/ES.

Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Kai yra Bluetooth ir/arba WLAN funkcionalumas.

Funkcija	Veikimo dažnių juosta	Maksimalus radijo dažnių galingumas
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 - 2472 MHz	16 dBm e.i.r.p.

Ar šo DENSO TEN Limited deklarė, ka radioiekārta FT0106C atbilst Direktīvai 2014/53/ES.

Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Ja aprīkots ar Bluetooth un/vai WLAN funkcionalitāti.

Funkcija	Darba frekvences josla	Maksimālā radiofrekvences jauda
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 - 2472 MHz	16 dBm e.i.r.p.

Со ова, DENSO TEN Limited изјавува дека радио опремата од типот FT0106C е во согласност со Директивата 2014/53/EU.

Целиот текст на ЕУ изјавата за сообразност е достапен на следната интернет адреса:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Онаму каде што е опремено со Bluetooth и/или WLAN функционалност.

Функција	Работен фреквенциски опсег	Максимална радио-фреквенциска моќ
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 - 2472 MHz	16 dBm e.i.r.p.

Ovim, DENSO TEN Limited izjavljuje da je tip radio opreme FT0106C u skladu sa Direktivom 2014/53/EU.

Cjelokupan tekst EU deklaracije o usklađenosti dostupan je na sljedećoj internet adresi:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Ako je prisutna Bluetooth i/ili WLAN funkcionalnost.

Funkcija	Operativni frekvencijski opseg	Maksimalna jačina radio frekvencije
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 - 2472 MHz	16 dBm e.i.r.p.



B'dan, DENSO TEN Limited, niddikjara li dan it-tip ta' tagħmir tar-radju FT0106C huwa konformi mad-Direttiva 2014/53/UE.

It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Fejn mgħammar b'funzjonalità Bluetooth u/jew funzjonalità WLAN.

Funzjoni	Band tal-frekwenza operattiva	I-enerġija massima bi frekwenza tar-radju
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.

Hierbij verklaar ik, DENSO TEN Limited, dat het type radioapparatuur FT0106C conform is met Richtlijn 2014/53/EU.

De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Waar uitgerust met Bluetooth- en/of WLAN-functionaliteit.

Funcție	Actieve frequentieband	Maximale radiofrequentie
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.

DENSO TEN Limited erklærer herved at radioutstyrtypen FT0106C er i samsvar med direktiv 2014/53/EU.

Den fullstendige teksten i EU-erklæringen er tilgængelig på følgende internettadresse:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Hvis udstyrt med Bluetooth- og/eller WLAN-funktionalitet.

Funksjon	Driftsfrekvensbånd	Maksimal radiofrekvent strøm
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.

DENSO TEN Limited niniejszym oświadcza, że typ urządzenia radiowego FT0106C jest zgodny z dyrektywą 2014/53/UE.

Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Jeśli jest wyposażony w funkcjonalność Bluetooth i/lub WLAN.

Funkcja	Pasma częstotliwości pracy	Maksymalna moc częstotliwości radiowej
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.

O(a) abaixo assinado(a) DENSO TEN Limited declara que o presente tipo de equipamento de rádio FT0106C está em conformidade com a Diretiva 2014/53/UE.

O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Quando equipado com funcionalidade Bluetooth e/ou WLAN.

Função	Faixa de frequência operacional	Potência máxima de radiofrequência
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.

Prin prezenta, DENSO TEN Limited declară că tipul de echipamente radio FT0106C este în conformitate cu Directiva 2014/53/UE.

Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Dacă este echipat cu funcționalitate Bluetooth și/sau WLAN.

Funcție	Bandă de frecvență activă	Puterea maximă a radio-frecvenței
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.

DENSO TEN Limited týmto vyhlasuje, že rádiové zariadenie typu FT0106C je v súlade so smernicou 2014/53/EÚ.

Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

V prípade, že je vybavené funkčnosťou Bluetooth a/alebo WLAN.

Funkcia	Prevádzkové frekvenčné pásmo	Maximálny rádiový frekvenčný výkon
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.

DENSO TEN Limited potvrdjuje, da je tip radijske opreme FT0106C skladen z Direktivo 2014/53/EU.

Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Če je opremljen s funkcionalnostjo Bluetooth in/ali WLAN.

Funkcija	Delovni frekvenčni pas	Maksimalna radiofrekvenčna moč
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.

Nepremijet kësaj, DENSO TEN Limited deklaron se lloji i aparatit të radios FT0106C është në përputhje me Direktivën 2014/53/EU.

Teksti i plotë i deklaratës së BE-së mbi përputhshmërinë është i disponueshëm në adresën e mëposhtme të internetit:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Aty ku është e pajisur me funksionalitetin e Bluetooth dhe/se WLAN.

Funksion	Banda e frekuencës së punës	Fuqia maksimale e frekuencave radio
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.

Ovim, DENSO TEN Limited izjavljuje da je ovaj tip radijske opreme FT0106C u skladu sa odredbama Direktive 2014/53/EU.

Kompletan tekst EU deklaracije o konformitetu je dostupan na sledećoj internet adresi:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Ako je prisutna Bluetooth i/ili WLAN funkcionalnost.

Funkcija	Radni frekvencijski pojas	Maksimalna radiofrekvencijska snaga
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.

Härmed försäkrar DENSO TEN Limited att denna typ av radioutrustning FT0106C överensstämmer med direktiv 2014/53/EU.

Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress:

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Om utrustad med Bluetooth- och/eller WLAN-funktionalitet.

Funktion	Operationsfrekvensbandet	Maximal radiofrekvensseffekt
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.



DENSO TEN Limited, FT0106C türü telsiz ekipmanının 2014/53/EU Direktifine uygun olduğunu beyan etmektedir.

AB uygunluk beyanının tam metnine aşağıdaki internet adresinden ulaşılabilir;

[https://www.denso-ten.com/support/regulation/eu\\_doc/](https://www.denso-ten.com/support/regulation/eu_doc/)

Bluetooth ve/veya WLAN işlevselliğine sahip yerlerde.

İşlev	Çalışma frekans bandı	Maksimum radyo-frekans gücü
Bluetooth	2402 - 2480 MHz	4 dBm e.i.r.p.
WLAN	2412 – 2472 MHz	16 dBm e.i.r.p.





