



Navigation and Multimedia System Owner's Manual

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

LAND CRUISER STATION WAGON



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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.57)

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 the trademarks and registered trademarks of their respective companies.

Navigation system (12.3-inch display model)

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 113.

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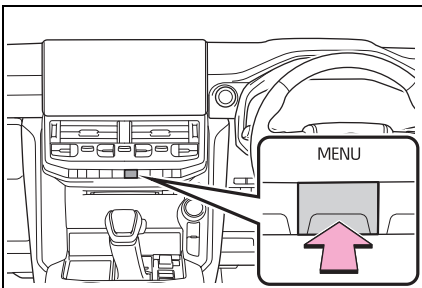
Reading this manual


Explains symbols used in this manual

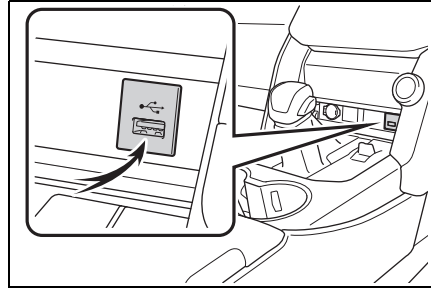
Symbols in this manual


Symbols	Meanings
	WARNING: Explains something that, if not obeyed, could cause death or serious injury to people.
	NOTICE: Explains something that, if not obeyed, could cause damage to or a malfunction in the vehicle or its equipment.
1 2 3...	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.

Safety instruction (9-inch display model)

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 (12.3-inch display model)

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.

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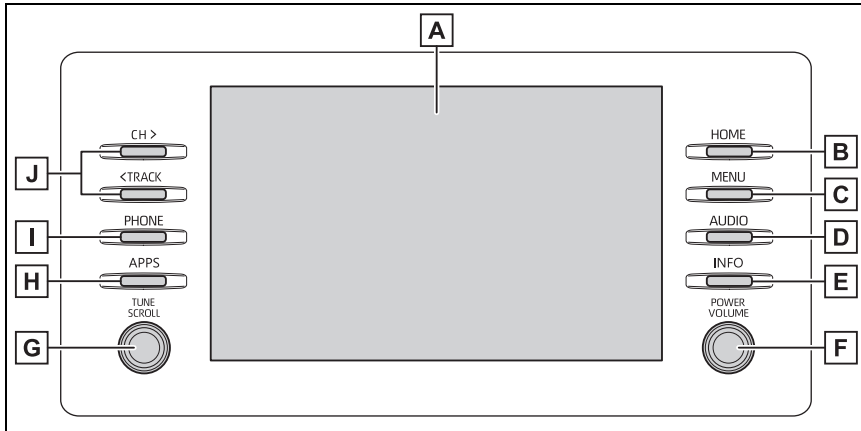
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Buttons overview

Operations of each part

► 9-inch display model



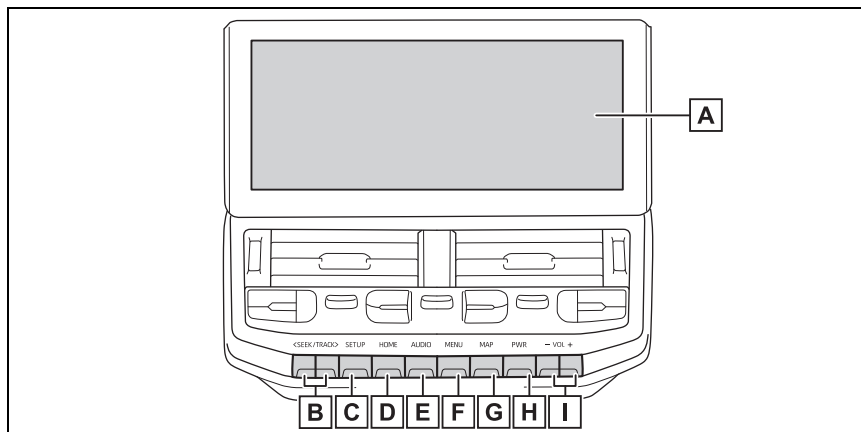
- A** By touching the screen with your finger, you can control the selected functions. (→P.25, 26)
- B** Press to access the home screen. (→P.29)
- C** Press to display the “Menu” screen. (→P.15)
- D** Press to access the audio/visual system. (→P.118, 120)
- E** Press to display the fuel information screen.*¹
- 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, 120)
- G** Turn to change the radio station or skip to the next or previous track/file. (→P.126, 135, 138, 141, 142)
- H** Press to display the application screen.*^{2, 3} (→P.248)
- I** Press to access the Bluetooth® hands-free system. (→P.218)
When an Apple CarPlay/Android Auto connection is established, press to display the phone application screen.*²
- J** Press to seek up or down for a radio station or to access a desired track/file. (→P.126, 135, 138, 141, 142)

*1: Refer to the “Owner’s Manual”

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

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

► 12.3-inch display model



- A** By touching the screen with your finger, you can control the selected functions. (→P.25, 26)
- B** Press to change the radio station or skip to the next or previous track/file. (→P.126, 131, 133, 135, 138, 141, 142)
- C** Press to display the “Setup” screen. (→P.18)
- D** Press to display the home screen. (→P.29)
- E** Press to display the audio/visual system screen. (→P.118, 120)
- F** Press to display the “Menu” screen. (→P.15)
- G** Press to display the map screen and repeat a voice guidance. (→P.66)
- H** Press to turn the audio/visual system on and off. Press and hold to restart the system. (→P.24, 120)
- I** Press to adjust the volume.

-
- When the temperature is -20°C or less, the system may not operate.
 - When the LCD screen is viewed at an angle, it looks lighter or darker.
 - When light from the sun or another external light source strikes the screen, the screen is difficult to see.

- When wearing sunglasses with polarized lenses, the screen looks lighter or darker.

Software license for the 12.3 inch display

Free/Open Source Software Information

This product contains Free/Open Source Software(FOSS).

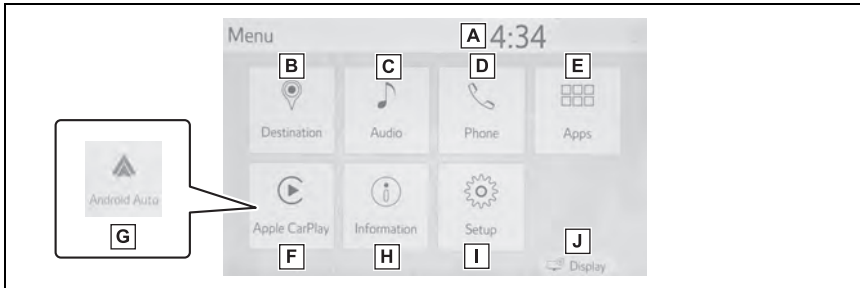
The license information and/or the source code of such FOSS can be found at the following URL.

<http://www.globaldenso.com/en/opensource/ivi/toyota/>

“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.58)
- B** Select to display the destination screen.*¹ (→P.77)
- C** Select to display the audio control screen. (→P.118)
- D** Select to display the hands-free operation screen. (→P.218)
When an Apple CarPlay connection is established, select to display the phone application screen.
- E** Select to display the application screen.*² (→P.248)
- F** When an Apple CarPlay connection is established, select to display the home screen of Apple CarPlay. (→P.50)
- G** When an Android Auto connection is established, select to display the home screen of Android Auto. (→P.51)
- H** Select to display the traffic information screen.*¹ (→P.75)
Select to display the fuel consumption screen.*^{3, 4}
- I** Select to display the “Setup” screen. (→P.18)
- J** Select to adjust the contrast and brightness of the screens, etc. (→P.34)

*¹: 12.3-inch display model

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

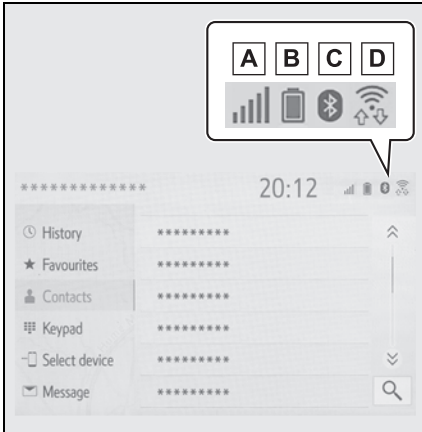
*³: Refer to the “Owner’s Manual”

*⁴: 9-inch display model

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 display 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

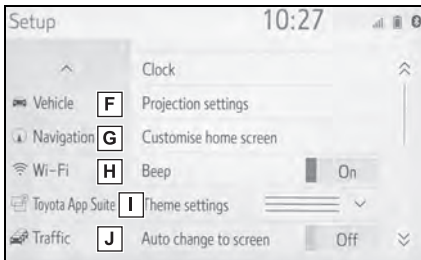
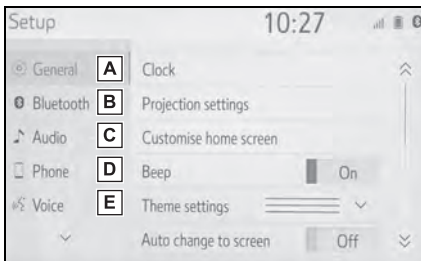
“Setup” screen

“Setup” screen is displayed by following operation:

- Press the “SETUP” button.*
- Press the “MENU” button, then select “Setup”.

The items shown on the “Setup” screen can be set.

*: 12.3-inch display model



- A** Select to change the operation sound, etc. (→P.57)
- B** Select to set Bluetooth® device and Bluetooth® system settings. (→P.40)
- C** Select to set audio settings. (→P.151)
- D** Select to set the phone sound,

contacts, message settings, etc. (→P.233)

- E** Select to set the voice settings. (→P.60)
- F** Select to set vehicle information (→P.61)
- G** Select to set memory points (home, favourites entries, areas to avoid), or navigation details.*¹ (→P.96)
- H** Select to set Wi-Fi® connection settings. (→P.47)
- I** Select to set Toyota App Suite settings.*^{1, 2} (→P.252)
- J** Select to set traffic information settings.*^{1, 2} (→P.108)

*¹: 12.3-inch display model

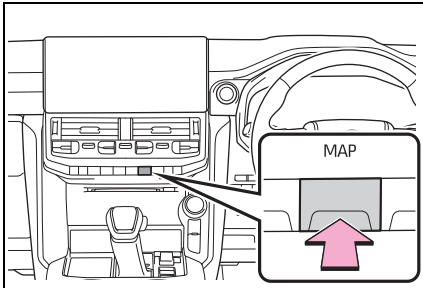
*²: This function is not made available in some countries or areas.

Operating the map screen*

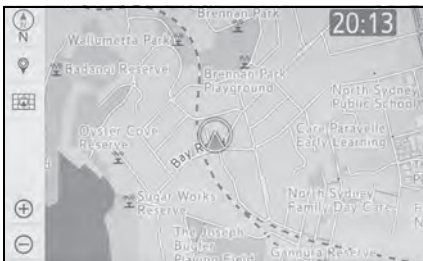
*: 12.3-inch display model

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.69)
- Displaying 3D map (→P.69)
- Changing the map colour (→P.102)

- Displaying the micro city map (→P.68)

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.68)

■ Zooming out the map

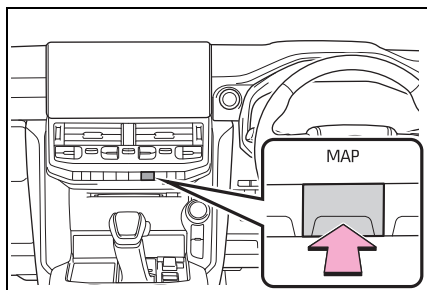
- 1 Select **-** or pinch in on the map screen. (→P.68)

Guiding the route *

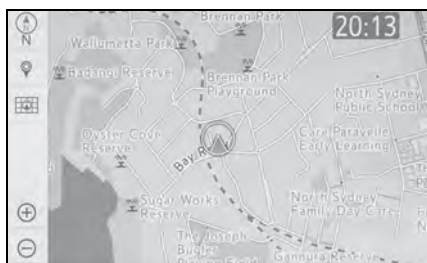
*: 12.3-inch display model

Setting the destination

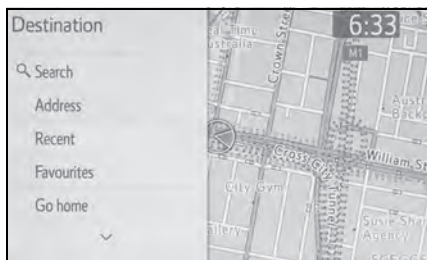
1 Press the “MAP” button.



2 Select .



3 There are different kinds of methods to search for a destination. (→P.77)



4 Select “Go directly”.

- Check that the route overview is displayed. (→P.85)

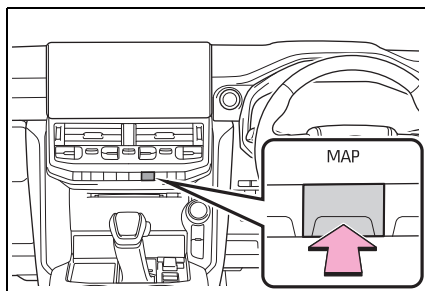
5 Select “OK”.

- Selecting routes other than the one recommended. (→P.86)
- 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.

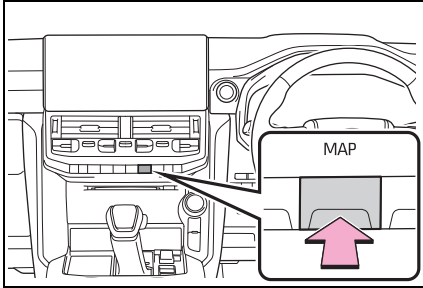
- When more than 1 destination has been set, a list will be displayed on the screen. Select the item(s) to be deleted.

Registering home*

*: 12.3-inch display model

Registering home

- 1 Press the “MAP” button.



- 2 Select  .

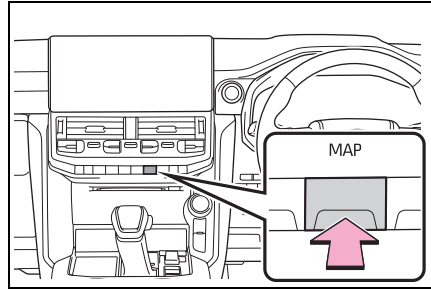


- 3 Search for your home.
 - There are different kinds of methods to search for your home. (→P.77)
- 4 Select “Enter”.
- 5 Select “OK”.
 - Registration of home is complete.
 - Registering home in a different way →P.96
 - Editing the name, location and icon →P.97
 - Setting home as the destination

→P.80

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.80

- 2-1. Basic information before operation**
- Initial screen **24**
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- Apple CarPlay/Android Auto™
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- 2-4. Other settings**
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Initial screen

When the engine 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, always apply the parking brake for safety.

Maintenance information*

*: 12.3-inch display model

- To prevent this screen from being displayed again, select "Do not tell me again."
- To register maintenance information: →P.62

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

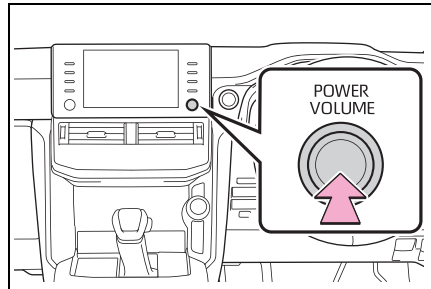
remainder screen will be displayed when the system is turned on.

Restarting the system

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

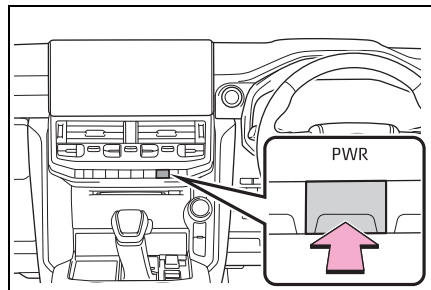
▶ 9-inch display model

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



▶ 12.3-inch display model

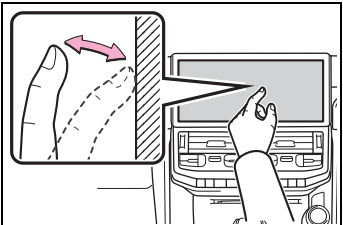
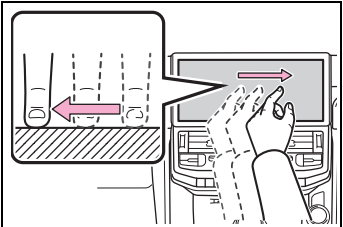
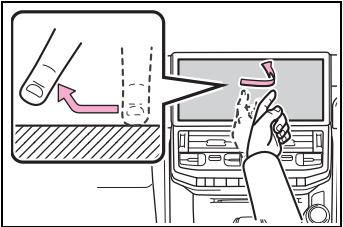

- 1 Press and hold the "PWR" button for 3 seconds or more.



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

^{*1}: The above operations may not be performed on all screens.

^{*2}: 12.3-inch display model

^{*3}: 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.57)

- 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.



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 benzine, gasoline or alcohol, and alkaline solutions.

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 is changed to ACC or ON, the button may not operate properly. In this case, remove anything touching the button, turn the engine switch OFF and then turn it to ACC or ON, or restart the system by press and hold the “POWER VOLUME” knob^{*1} / “PWR” button^{*2} for 3 seconds or more.

^{*1}: 9-inch display model

^{*2}: 12.3-inch display model

- Capacitive touch screen button sensor sensitivity can be adjusted. (→P.57)

Toyota multi-operation touch^{*}

^{*}: 12.3-inch display model

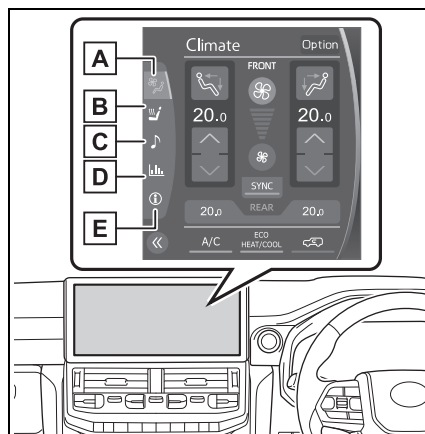
The Toyota multi-operation touch allows screens, such as the air conditioning control screen and the navigation screen, to be displayed and operated simultaneously.

Toyota multi-operation touch overview

The following functions can be displayed and operated on the Toyota multi-operation touch.

Operate a button to change the displayed function screen.

The displayed function can be changed by performing an up or down flick operation on the Toyota multi-operation touch.



- A** Select to display the air conditioning control screen.*

- B** Select to display the seat heater/ventilation control screen.*
- C** Select to display the audio control screen. (→P.28)
- D** Select to display the fuel consumption screen.*
- E** Select to display the vehicle information screen* or the setting screen. (→P.28)

*: Refer to the "Owner's Manual".

Toyota multi-operation touch operation

Moving screens on the Toyota multi-operation touch

Select ◀ or ▶ to change the position of the screens on the Toyota multi-operation touch. The screen position can also be changed by perform a left or right drag/flick operation on a screen.

Displaying a screen in full screen

Selecting ◀ or ▶ on the fuel consumption screen or vehicle information screen will display that screen in full screen.

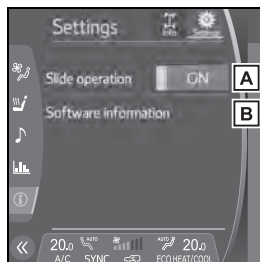
The display will be full screen even if a slide or flick operation is performed on the screen.

Select ◀ or ▶ to return to the

split-screen display.

Settings and software information

Select ⓘ on the vehicle information screen to display the setting screen.



- A** Select to turn flick operation on the side screen on/off.
- B** Display the software information

■ Software license

©1982-2013, QNX Software Systems Limited. All rights reserved.

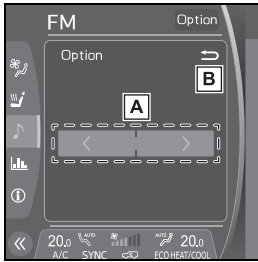
Audio/visual system

The selected audio source screen is displayed.



■ Radio operation (AM/FM)

- 1 Select "Option".



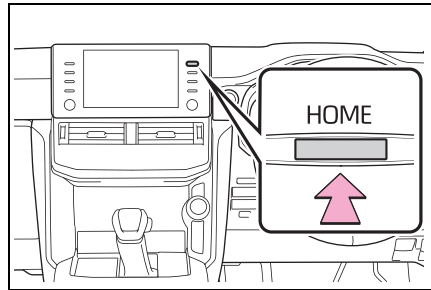
- A** Select to seek for stations in the relevant program type/channel category.
- B** Select to return to the previous screen.

Home screen

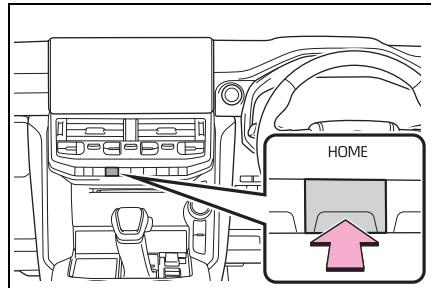
On the home screen, multiple screens, such as the audio/visual system screen, hands-free screen and clock screen, can be displayed simultaneously.

Home screen operation

- 1 Press the "HOME" button.
- ▶ 9-inch display model



- ▶ 12.3-inch display model



- 2 Check that the home screen is displayed.



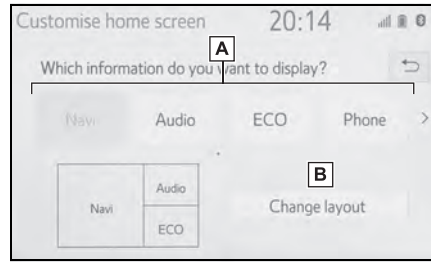
- Selecting a screen will display it full screen.
- The display information and area on the home screen can be customized.
- The home screen can be set to several types of split layouts.

Customizing the home screen

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

- 1 “Setup” screen is displayed by following operation:
- Press the “SETUP” button.*
 - Press the “MENU” button, then select “Setup”.
- *: 12.3-inch display model
- If the general settings screen is not displayed, select “General”.
- 2 Select “Customise home screen”.

- 3 Select the items to be set.

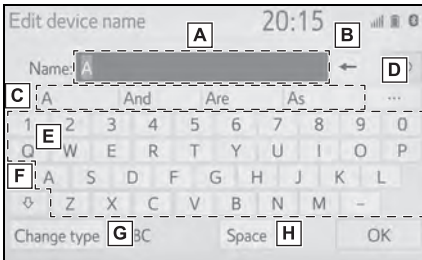


- A Select to change the display information and area on the home screen.
- B Select to change the home screen layout.

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.31)
- D** Select to display a list of predictive text candidates when there is more than one. (→P.31)
- 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.31)

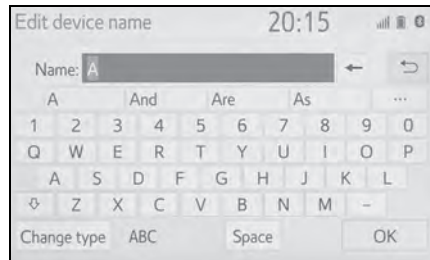
- H** Select to make a space on cursor.

- Keyboard layout can be changed. (→P.57)

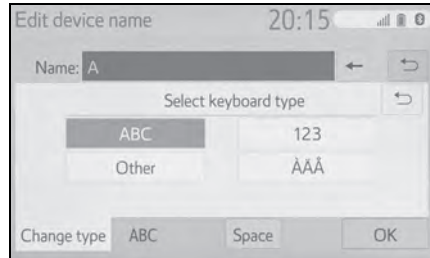
- When **<** **>** is displayed, selecting it will move the cursor within the text field.

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

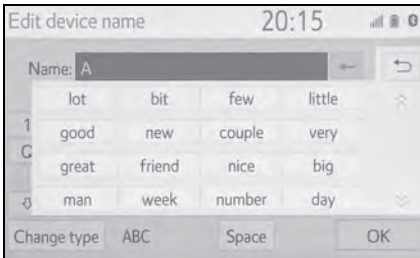
When text is input, the system predicts the text that may complete the currently unconfirmed text and displays predictive replacement candi-

dates that match the beginning of the text.

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



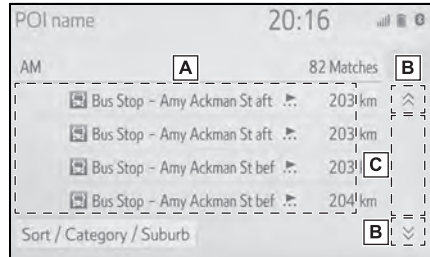
- To select a candidate that is not displayed, select *******, and then select the desired predictive replacement candidate.



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.

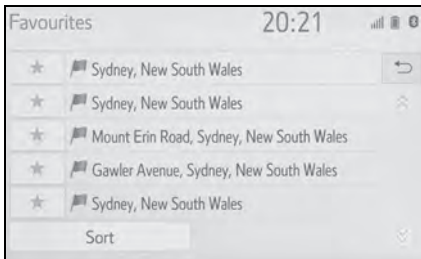
- If appears to the right of an item name, the complete name is too long to display.
- Select to scroll to the end of the name.
- Select to move to the beginning of the name.
- 12.3-inch display model: Matching items from the database are listed even if the entered address or name is incomplete.
- 12.3-inch display model: 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.
- 12.3-inch display model: 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.

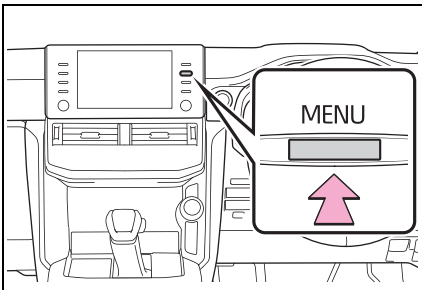
Screen adjustment

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.

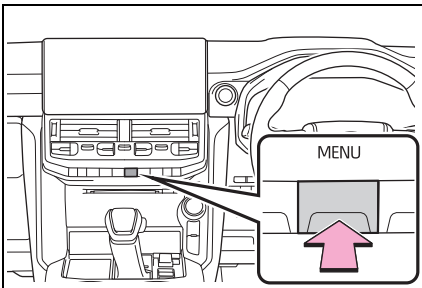
(For information regarding audio/visual screen adjustment: →P.123)

Displaying the screen adjustment screen

- 1 Press the “MENU” button.
- ▶ 9-inch display model

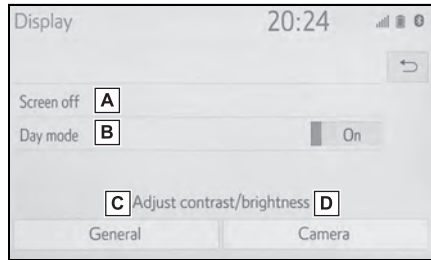


- ▶ 12.3-inch display model



- 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.34)
- C** Select to adjust the screen display. (→P.35)
- D** Select to adjust the camera display. (→P.35)

● 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 fuel cell 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:

- Navigation (12.3-inch display model)
- Audio
- Phone*

etc.

These functions can be operated using the meter 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.*

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

Registering a Bluetooth® phone for the first time

■ Registering from the system

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

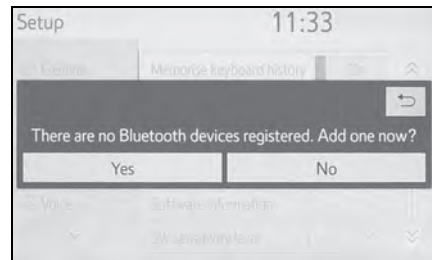
- This function is not available when Bluetooth® connection setting of your cellular phone is set to off.

2 Bluetooth® connection screen is displayed by following operation:

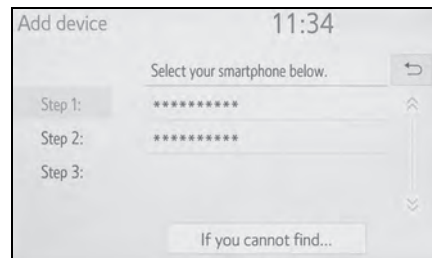
- Press the “PHONE” button.*
- Press the “MENU” button, then select “Phone”.

*: 9-inch display model

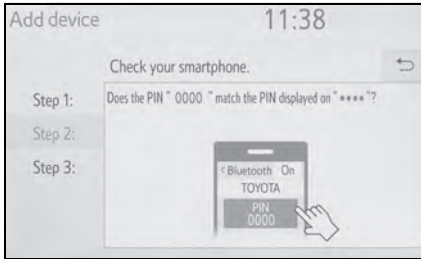
3 Select “Yes” to register a phone.



4 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.38)
- 5** 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.

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



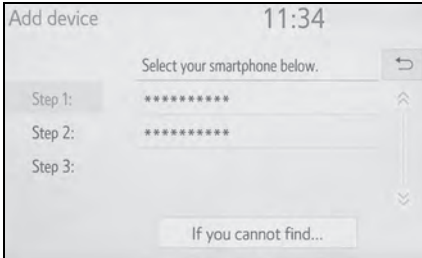
- The system is connecting to the registered device.
 - At this stage, the Bluetooth® functions are not yet available.
- 7** Check that “Connected” is displayed and registration is complete.



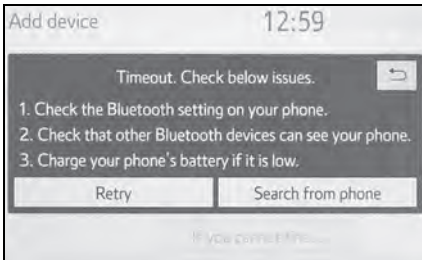
- If an error message is displayed, follow the guidance on the screen to try again.
-
- If a cellular phone does not operate properly after being connected, turn the cellular phone off and on and then connect it again.

■ Registering from phone

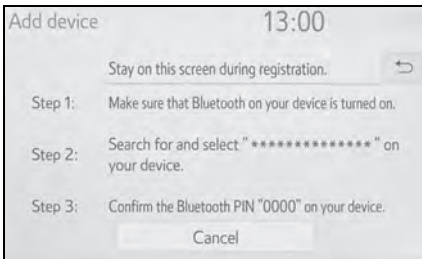
1 Select “If you cannot find...”.



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 6. (→P.36)

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.43

- 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 Audio control screen is displayed by following operation:
 - Press the “AUDIO” button.
 - Press the “MENU” button, then

select "Audio".

- 3 Select "Source".
- 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 4. (→P.36)

Profiles

This system supports the following services.

■ Bluetooth® Core Specification

- Ver. 2.0 or higher (Recommended: Ver. 4.2 or higher)

■ 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.^{*1, 2}
- 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.

*1: 12.3-inch display model

*2: This function is not made 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

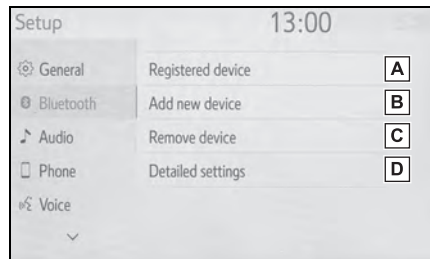
Bluetooth SIG, Inc.

Setting Bluetooth[®] details

Displaying the Bluetooth[®] setup screen

- 1 “Setup” screen is displayed by following operation:
 - Press the “SETUP” button.*
 - Press the “MENU” button, then select “Setup”.
- *: 12.3-inch display model
- 2 Select “Bluetooth”.
 - 3 Select the desired item to be set.

Bluetooth[®] setup screen



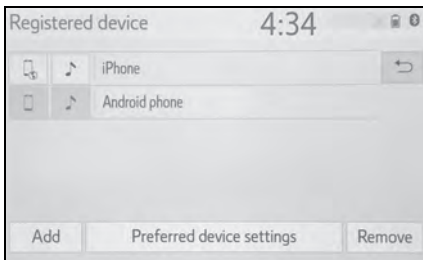
- A Connecting a Bluetooth[®] device and editing the Bluetooth[®] device information (→P.41, 43)
- B Registering a Bluetooth[®] device (→P.43)
- C Deleting a Bluetooth[®] device (→P.43)
- D Setting the Bluetooth[®] system (→P.45)

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.40)
- 2 Select “Registered device”.
- 3 Select the device to be connected.




“Add”: Registering a Bluetooth® device (→P.43)

“Preferred device settings”: Select to change the automatic connection priority of the registered Bluetooth® devices. (→P.45)

“Remove”: Deleting a Bluetooth® device (→P.43)

 : Phone

 : Audio player

 : Phone/Toyota App Suite service*¹,
2

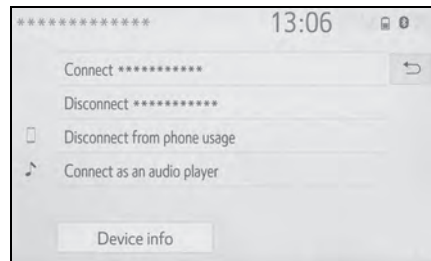
 : Phone/Smartphone collaboration*¹

*¹: 12.3-inch display model

*²: 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.43)
- 4 Select the desired connection.



- “Device info”: Select to confirm and change the Bluetooth® device information. (→P.43)

▶ 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 disconnect 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.145

■ Auto connection mode

To turn auto connection mode on, set “Bluetooth power” to on.

(→P.45) Leave the Bluetooth®

device in a location where the connection can be established.

- When the engine 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 automatically connect to the Bluetooth® phone with the highest priority. (→P.45)

■ Connecting manually

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

- 1 Display the Bluetooth® settings screen. (→P.40)
- 2 Follow the steps in “Connecting a Bluetooth® device” from step 2. (→P.41)

■ Reconnecting the Bluetooth® phone

If a Bluetooth® phone is disconnected due to poor reception from the Bluetooth® network when the engine switch is turned to 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.

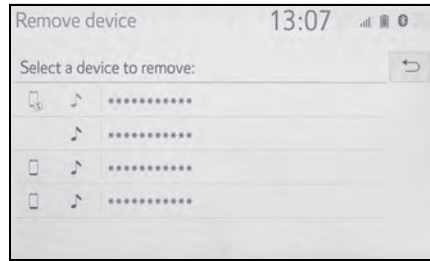
- 1 Display the Bluetooth® settings screen. (→P.40)
- 2 Select “Add new device”.
 - ▶ When another Bluetooth® device is connected
 - To disconnect the Bluetooth® device, select “Yes”.
 - ▶ When 5 Bluetooth® devices have already been registered
 - A registered device needs to be replaced. Select “Yes”, and select the device to be replaced.
- 3 Follow the steps in “Registering a Bluetooth® phone for the first time” from step 4. (→P.36)

Deleting a Bluetooth® device

This operation cannot be performed while driving.

- 1 Display the Bluetooth® settings screen. (→P.40)
- 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.

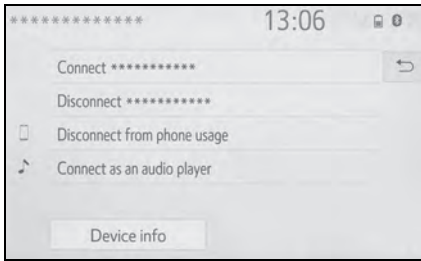
Editing the Bluetooth® device information

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

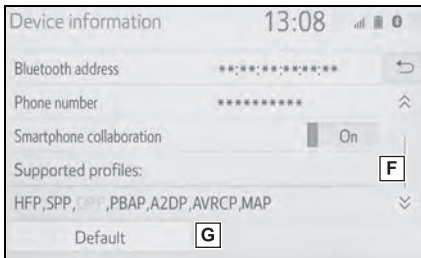
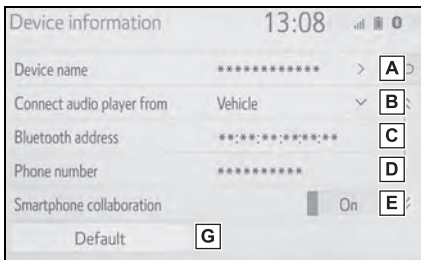
This operation cannot be performed while driving.

- 1 Display the Bluetooth® settings screen. (→P.40)
- 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.44)
- B** Select to set the Bluetooth® audio player connection method. (→P.44)
- 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.

*: 12.3-inch display model

- 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

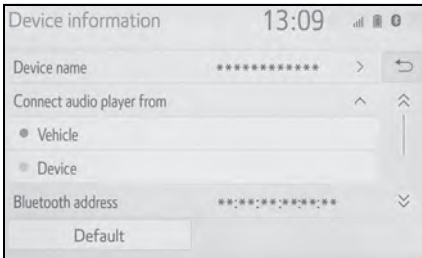
- 1 Select "Device name".
- 2 Enter the name and select "OK".

- 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.

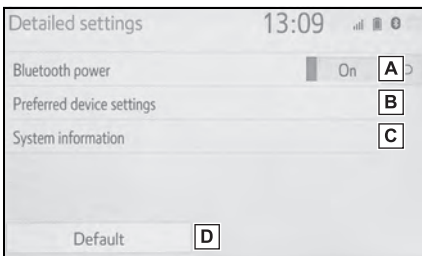
“Device”: Select to connect the vehicle’s audio/visual system from the audio player.

- 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.40)
- 2 Select “Detailed settings”.
- 3 Select the desired item to be set.



- A Select to set Bluetooth® connection on/off. (→P.45)
- B Select to change the automatic connection priority of the registered Bluetooth® devices. (→P.45)
- C Select to edit the system information. (→P.46)
- D Select to reset all setup items.

Changing “Bluetooth power”

- 1 Select “Bluetooth power”.

When “Bluetooth power” is on:

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

When “Bluetooth power” is off:

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

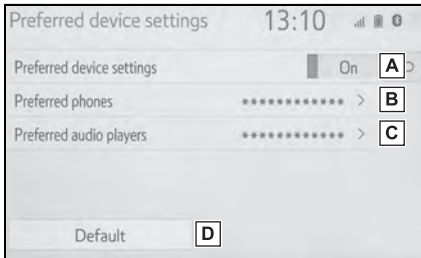
- While driving, the auto connection state can be changed from off to on, but cannot be changed from on to off.

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.

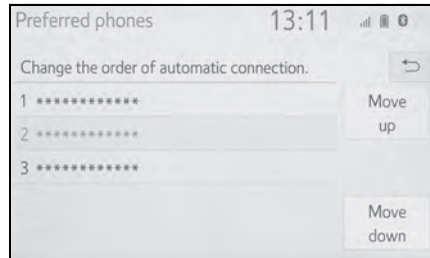


- A** Select to set automatic connection priority on/off.
- B** Select to change the automatic connection priority of the registered Bluetooth® phones. (→P.46)
- C** Select to change the automatic connection priority of the registered Bluetooth® audio players. (→P.46)
- D** Select to reset all setup 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

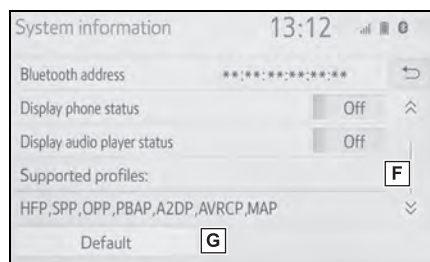
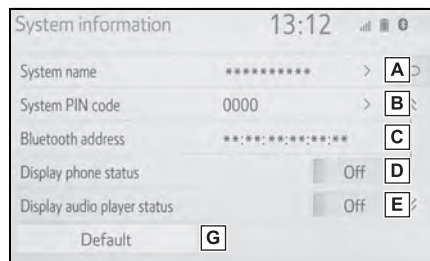
“Move down” to change the preferred order.



- 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.47)

- B** PIN code used when the Bluetooth® device was registered. Can be changed to a desired code. (→P.47)
- 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

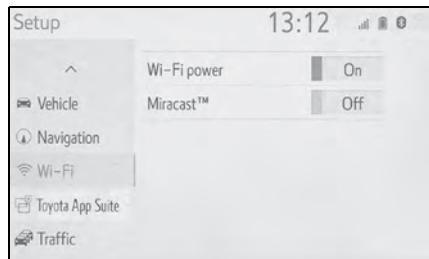
- 1 Select “System PIN code”.
- 2 Enter a PIN code and select “OK”.

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®.

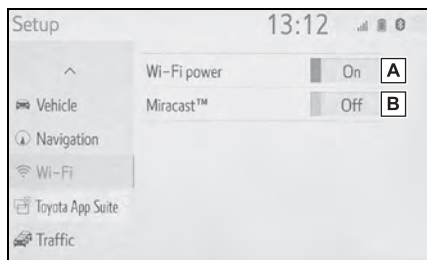
Displaying the Wi-Fi® settings screen

- 1 “Setup” screen is displayed by following operation:
 - Press the “SETUP” button.*
 - Press the “MENU” button, then select “Setup”.
- *: 12.3-inch display model
- 2 Select “Wi-Fi”*.
 - 3 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.48)

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.47)
- 2 Select “Wi-Fi* power”.
 - Each time it is selected, the “Wi-Fi* power” 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 devices**

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.

Establishing an Apple CarPlay connection

- 1 Enable Siri on the device to be connected.

- 2 Connect the device to the USB port. (→P.121)

- 3 Select “Always enable” or “Enable once”.

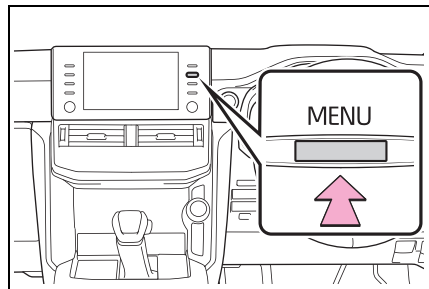
- If “Do not enable” is selected, an Apple CarPlay connection will not be established. In this case, the device can be operated as a normal Apple device, such as an iPod. Apple CarPlay will remain off until “Apple CarPlay” of “Projection settings” on the general settings screen is turned on. (→P.57)

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

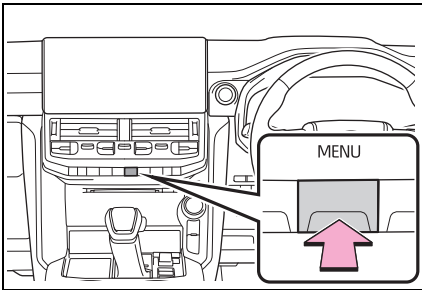
- The screen may change to step 6 depending on the system.

- 4 Press the “MENU” button.

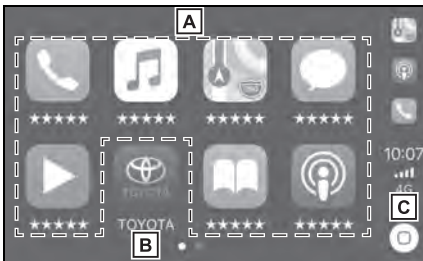
- ▶ 9-inch display model



▶ 12.3-inch display model



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



- A** Select to start the application.
User can use any iPhone application supported by Apple CarPlay.
- B** Select to display the system screen.
- C** Select to display the home screen of Apple CarPlay.
Select and hold to activate Siri.

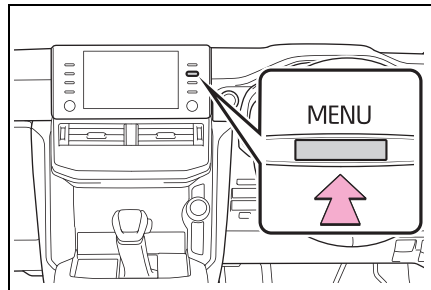
Establishing an Android Auto connection

- 1 Check that the Android Auto application is installed to the device to be connected.

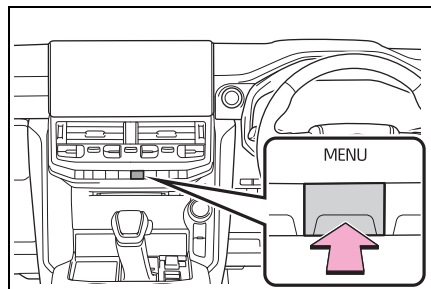
- 2 Connect the device to the USB port. (→P.121)
- 3 Select “On” to enable the function.
 - “Off”: Select to not enable Android Auto. Android Auto will remain off until “Android Auto” of “Projection settings” on the general settings screen is turned on. (→P.57)
 - Depending on the device connected, it 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.

▶ 9-inch display model



▶ 12.3-inch display model



- 5 Select “Android Auto”.
- 6 Check that home screen of Android Auto is displayed.

● 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:

- Bluetooth® audio
- Bluetooth® phone (Apple CarPlay only)
- Toyota App Suite^{*1, 2}

^{*1}: 12.3-inch display model

^{*2}: 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 command 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 turning the “POWER VOLUME” knob^{*1}, or pressing the “VOL” buttons^{*2} on the audio control panel. (→P.60)

^{*1}: 9-inch display model

^{*2}: 12.3-inch display model

● 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 using the vehicle’s navigation system is stopped. 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 using the Apple CarPlay/Android Auto Maps app is stopped.*

*: 12.3-inch display model

● 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.



- ▶ 9-inch display model
- 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.
- ▶ 12.3-inch display model
- 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™ is a trademark of Google LLC.

**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.

Troubleshooting

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

Symptom	Solution
<p>An Apple CarPlay/Android Auto connection cannot be established.</p>	<p>Check if the device supports Apple CarPlay/Android Auto.</p> <p>Check if Apple CarPlay/Android Auto is enabled on the connected device.</p> <p>Check if the Android Auto application is installed to the device to be connected.</p> <p>For details, refer to Apple CarPlay: https://www.apple.com/ios/carplay/.</p> <p>Android Auto: https://www.android.com/auto/.</p> <p>For available countries or areas for Apple CarPlay, refer to https://www.apple.com/ios/feature-availability/#apple-carplay.</p> <p>Check if “Apple CarPlay”/“Android Auto” of “Projection settings” on the general settings screen is set to on. (→P.57)</p> <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> <p>After checking all of the above, try to establish an Apple CarPlay/Android Auto connection. (→P.50)</p>
<p>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.</p>	<p>As the system is not designed to play video through Apple CarPlay/Android Auto, this is not a malfunction.</p>
<p>Although an Apple CarPlay/Android Auto connection is established, audio is not output through the system.</p>	<p>The system may muted or the volume may be low. Increase the system volume.</p>

Symptom	Solution
The Apple CarPlay/Android Auto screen has flickers 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.)
	Replace the USB cable with another cable. (A short USB cable is recommended)
	After checking all of the above, try to establish an Apple CarPlay/Android Auto connection. (→P.50)
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, etc.), the system does not resume playback of the original audio (FM/AM, 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
<p>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.</p>	<p>This is not a malfunction as display of these items is not possible with this function.</p>
<p>When using Android Auto, hands-free call audio cannot be heard from the vehicle's speakers.</p>	<p>Disconnect the phone from the USB cable and check if hands-free call audio can be heard using the hands-free system.</p> <p>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.</p>

*: 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

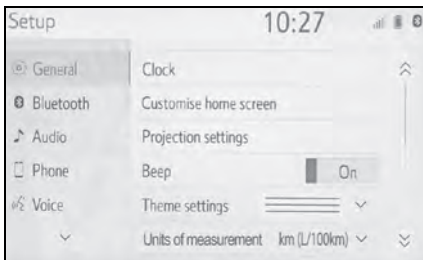
1 “Setup” screen is displayed by following operation:

- Press the “SETUP” button.*
- Press the “MENU” button, then select “Setup”.

*: 12.3-inch display model

- If the general settings screen is not displayed, select “General”.

2 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.58)

- “Customise home screen”

Select to customize the home screen. (→P.29)

- “Projection settings”

Select to set automatic Apple CarPlay/Android Auto connection establishment on/off. (→P.59)

- “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.59)

- “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.)

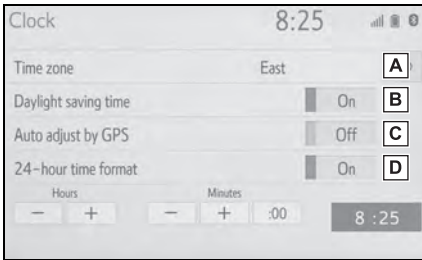
- “SW sensitivity level”

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

*: 12.3-inch display model

Clock settings

- 1 Display the general settings screen. (→P.57)
- 2 Select “Clock”.
- 3 Select the desired items to be set.



- A** Select to change the time zone. (→P.58)
- 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.58)
- D** Select to set the 24 hour time format on/off.
When set to off, the clock is displayed in 12 hour time format.

*: This item may not be displayed when the vehicle is not receiving GPS sig-

nals.

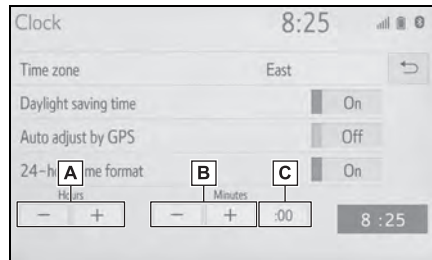
Setting the time zone

- 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.

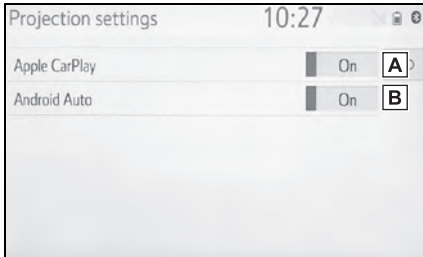
- 1 Select “Auto adjust by GPS” to set to off.
- 2 Adjust the clock manually.



- 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

- 1 Display the general settings screen. (→P.57)
- 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.57)
- 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.

*: 12.3-inch display model

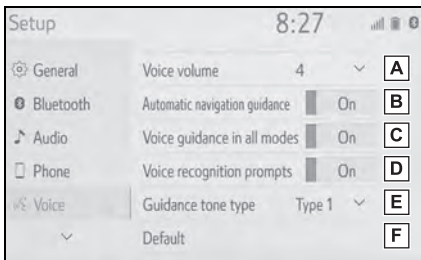
Voice settings

Voice volume, etc. can be set.

Displaying the voice settings screen

- 1 “Setup” screen is displayed by following operation:
 - Press the “SETUP” button.*
 - Press the “MENU” button, then select “Setup”.
- *: 12.3-inch display model
- 2 Select “Voice”.
 - 3 Select the desired items to be set.

Voice settings screen



- A** Select to adjust the volume of voice guidance.*¹
- B** Select to set the voice guidance during route guidance on/off.*²
- C** Select to set the voice guidance during audio/visual system use on/off.*²
- D** Select to set the voice recogni-

tion prompts on/off.

- E** Select to set the beep sound of navigation guidance.*²
- F** Select to reset all setup items.

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

*²: 12.3-inch display model

Vehicle settings

Settings are available for maintenance, vehicle customization, etc.

Displaying the vehicle settings screen

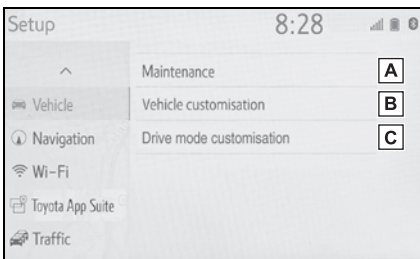
1 “Setup” screen is displayed by following operation:

- Press the “SETUP” button. *
- Press the “MENU” button, then select “Setup”.

*: 12.3-inch display model

- 2 Select “Vehicle”.
- 3 Select the desired items to be set.

Vehicle settings screen



A Select to set maintenance. *¹
(→P.61)

B Select to set vehicle customization. *²

C Select to set driving mode. *^{2,3}

*¹: 12.3-inch display model

*²: Refer to the “Owner’s Manual”

*³: If equipped

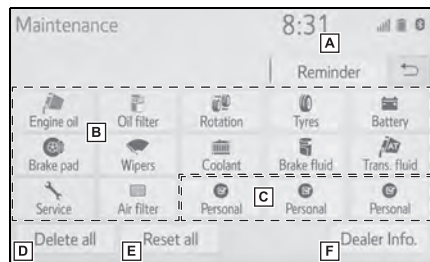
Maintenance *

*: 12.3-inch display model

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.61)
- 2 Select “Maintenance”.
- 3 Select the desired item.



A The system is set to give maintenance information with the maintenance reminder screen. (→P.24)

B Select to set a reminder for a part or component. (→P.62)

C Select to add a reminder other than the provided ones.

D Select to cancel all reminders which have been entered.

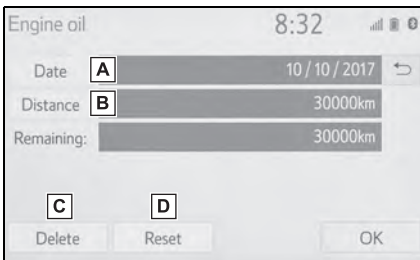
E Select to reset all reminders which have expired.

F Select to register/edit dealer information. (→P.62)

- 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.



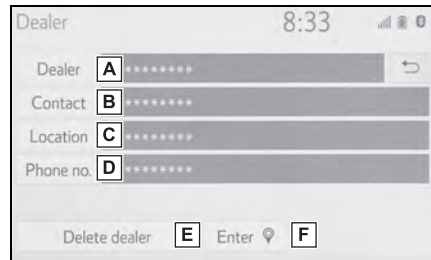
- A** Select to enter the next maintenance date.
 - B** Select to enter the driving distance until the next maintenance check.
 - C** Select to cancel the conditions which have been entered.
 - D** Select to reset the conditions which have expired.
- 3 Select "OK" after entering the conditions.

- 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.77)
- The editing dealer screen appears after setting the location.
- 3 Select the desired items to be edited.



- A** Select to enter the name of a dealer. (→P.63)
- B** Select to enter the name of a dealer member. (→P.63)
- C** Select to set the location. (→P.63)
- D** Select to enter the phone number. (→P.63)
- E** Select to delete the dealer information displayed on the screen.
- F** Select to set the displayed dealer as a destination. (→P.85)

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.70) and select "Enter".

Editing phone number

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

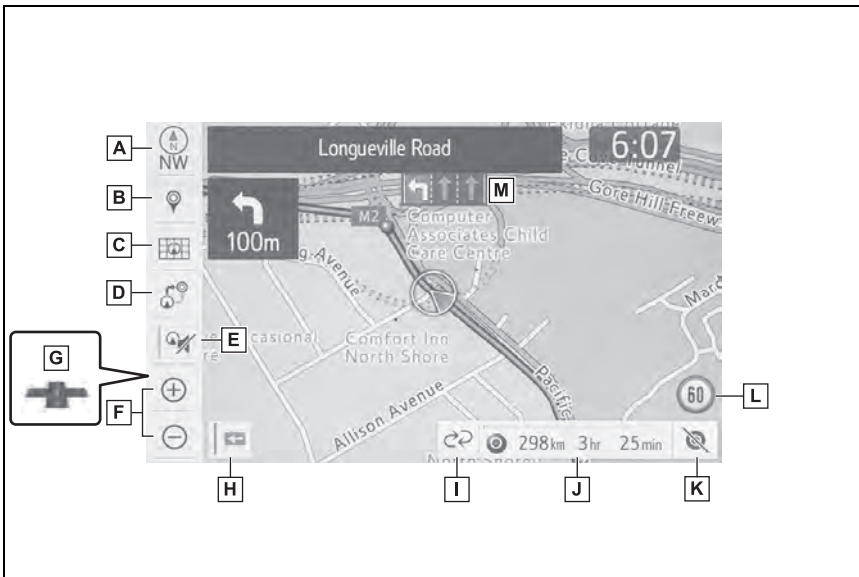
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Navigation*

*: 12.3-inch display model

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.69)

- 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.77)

- Select to display the destination screen.

C Map options button (→P.71)

- Select to display the map options screen.

D Route options button (→P.93)

- 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.68)

- 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.68)

- Select to display the micro city map screen.

H One way mark display button (→P.68)

- Select to display one way mark.

I Route information change button (→P.88)

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

J Route information bar (→P.88)

- 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 (→P.20)


- Select to delete destinations.

L Speed limit icon (→P.71)

- 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

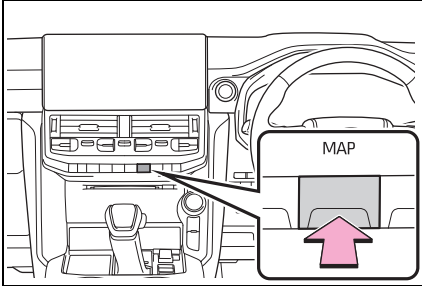
- Displayed when lane information is available.

-
- 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.104
-
- 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 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 \oplus 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 \leftarrow . This is available when one way mark display button is set to on. (→P.66)


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 \oplus 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 3D suburb model map can be set the display on/off. (→P.102)

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.97
 - D** Select to set as a destination. (→P.84)
- 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.98, 101)
- When adjusting the current posi-

tion mark manually on the calibration screen (→P.104)


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

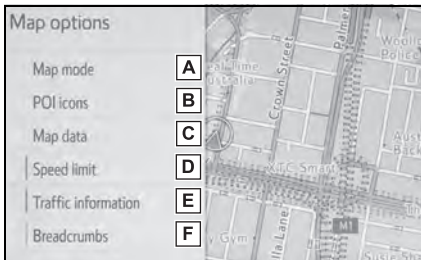


Map screen information

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.

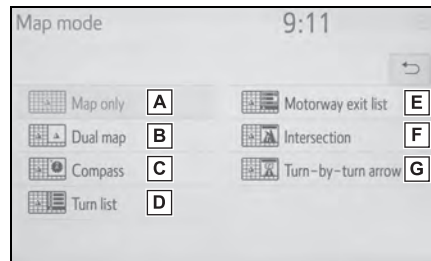


- A** Select to display the desired map mode. (→P.71)
- B** Select to select or change POI icons. (→P.72)
- C** Select to display the map version and coverage area. (→P.115)
- D** Select to display speed limit icon.
- E** Select to display traffic information. (→P.76)
- F** Select to display route trace. (→P.73)
- To hide the map options screen,

touch any part of the map screen.

Switching the map mode

- 1 Select  on the map screen. (→P.66)
- 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.72)
- C** Select to display the compass mode screen. (→P.72)
- D** Select to display the turn list screen. (→P.91)
- E** Select to display the motorway exit list screen. (→P.89)
- F** Select to display the intersection guidance screen or the guidance screen on the motorway. (→P.91)
- G** Select to display the turn-by-turn arrow screen. (→P.91)
- Depending on the conditions,

certain screen configuration buttons cannot be selected.

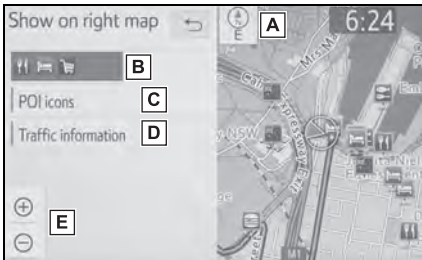
Dual map

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.69)
- B Select to display POI icons on the map screen. (→P.72)
- C Select to display POI icons.
- D Select to show traffic information. (→P.75)
- E Select to change the map scale. (→P.68)

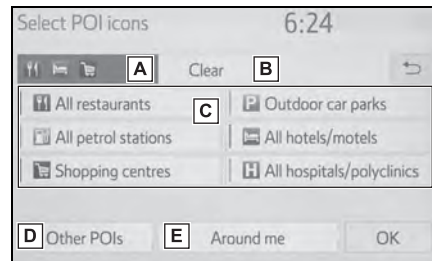
Compass

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.103) 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.73)
- E** Select to search for the nearest POIs. (→P.73)

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.96

“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

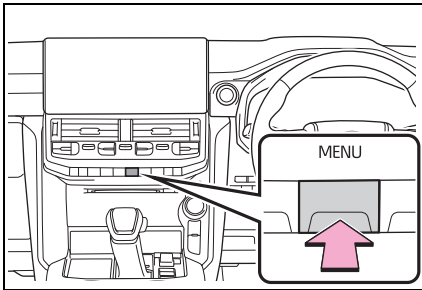
- Map icons may differ from the image that is actually displayed on the screen.

Traffic information

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

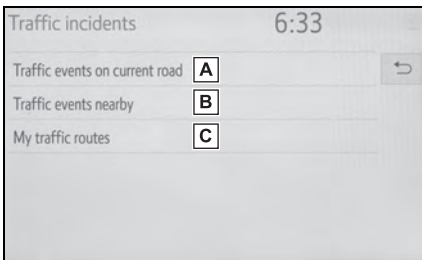
Displaying the traffic screen

- 1 Press the "MENU" button.



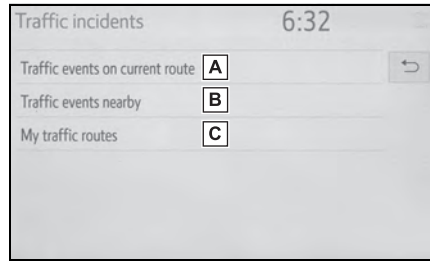
- 2 Select "Information".
- 3 Select the desired item.

- ▶ When the route has not been set



- A Select to display traffic information for the current road. (→P.75)
- B Select to display nearby traffic information. (→P.75)
- C Select to display traffic along the saved routes. (→P.76)

- ▶ When the route has been set



- A Select to display traffic information for the set route. (→P.75)
- B Select to display nearby traffic information. (→P.75)
- C Select to display traffic along the saved routes. (→P.76)

- 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.75)
- 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.109)


- 1 Display the traffic incidents screen. (→P.75)
- 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.109)

- 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

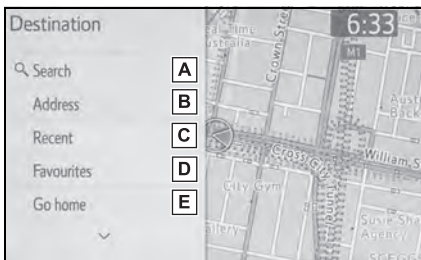
The destination screen enables to search for a destination. The destination screen can be reached by the following methods:

■ From the map screen

- 1 Press the "MAP" button.
- 2 Select .
- 3 Follow the steps in "From the menu screen" from step 3. (→P.77)

■ 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.78)

- B** Select to search for a destination by address. (→P.78)
- C** Select to search for a destination from recent set destinations. (→P.79)
- D** Select to search for a destination from a registered entry in "Favourites". (→P.79)
- E** Select to set a destination by home. (→P.80)
- F** Select to search for a destination by point of interest. (→P.80)
- G** Select to search for a destination by online database. (→P.249)
- H** Select to search for a destination by coordinates. (→P.82)
- I** Select to search for a destination from emergency service points. (→P.82)

- 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.77)
- 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.

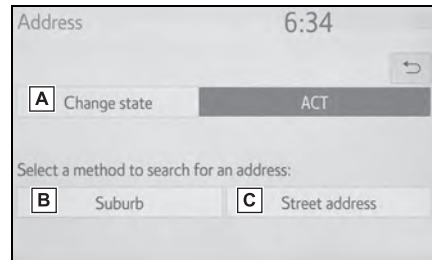
- 1 Display the destination screen. (→P.77)
- 2 Select "Search".
- 3 Enter characters on the keyboard.
- 4 Select "Search".
- ▶ When there is more than 1 result
- 5 Select the desired item from the list.

- 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.77)
- 2 Select "Address".
- 3 Select the desired search method.



- A Select to change the search area. (→P.77)
- B Select to search by suburb. (→P.78)
- C Select to search by street address. (→P.79)

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.79)
- 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.77)
- 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.97)

- 1 Display the destination screen.
(→P.77)
- 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.96)

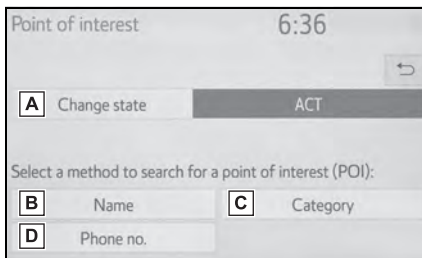
- 1 Display the destination screen.
(→P.77)
- 2 Select “Go home”.
- The navigation system performs a search for the route and the route overview is displayed.
(→P.85)

Searching by point of interest

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

- 1 Display the destination screen.
(→P.77)
- 2 Select “Point of interest”.

- 3 Select the desired search method.



- A** Select to change the search area. (→P.77)
- B** Select to search by name.
(→P.80)
- C** Select to search by category.
(→P.81)
- D** Select to search by phone number. (→P.82)

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.79)

- 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.

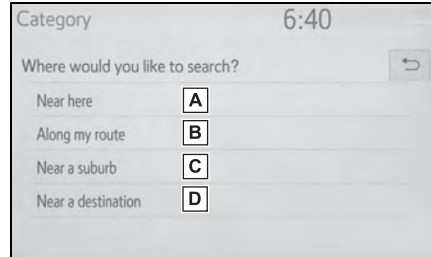
- 4 Select the desired POI.

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.82)
 - 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.103)

- 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.79)

- 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.81)

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.77)
- 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.77)
- 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.113)

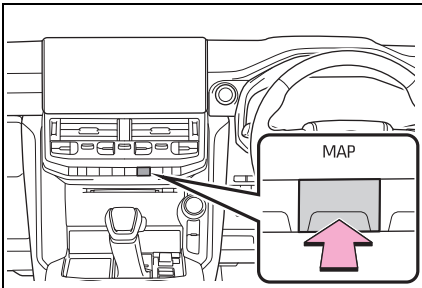
One-touch setting home/favourite as a destination

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.96, 97)

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

- 1 Turn the engine 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.102)

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.41)

- 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.70)

“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.85)

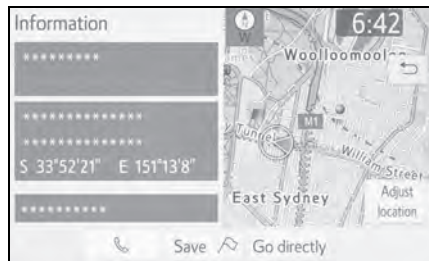
- The smartphone collaboration can be set to on/off. (→P.41)
- Contact your Toyota dealer about smartphones and applications for smartphone collaboration.

Starting route guidance

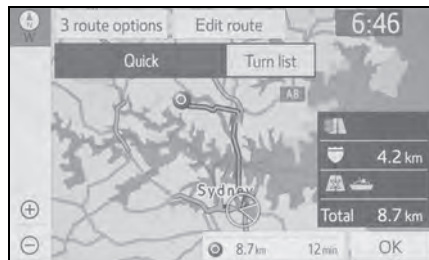
When the destination is set, the confirm destination screen will be displayed.

Starting route guidance

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



- For details about this screen:
→P.85
- 2 Select “OK” on the route overview screen.



- For details about this screen:
→P.85
-
- 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-

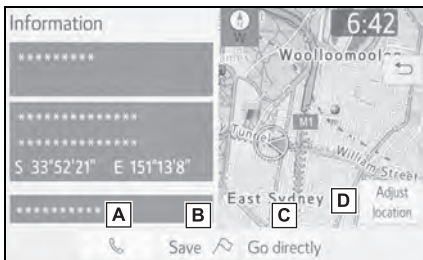
fied location.

- 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

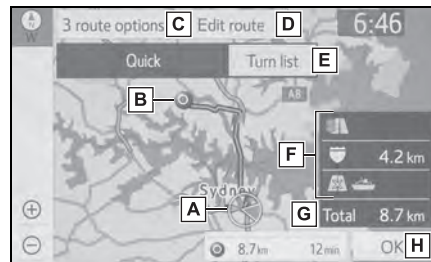


- A** Select to call the registered number.
 - B** Select to register as a memory point.
 - C** Select to search for the route. (→P.85)
 - If a destination has already been set, “Go directly” and “Add to route” will be displayed.
- “Go directly”: Select to delete the existing destination(s) and set a new one.

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

- D** Select to adjust the position in smaller increments. (→P.70)

Route overview screen



- A** Current position
- B** Destination point
- C** Select the desired route from 3 possible routes. (→P.86)
- D** Select to change the route. (→P.87)
- E** Select to display a list of the turns required to reach the destination. (→P.86)
- 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.85)

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.

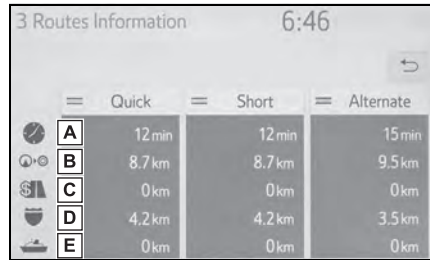


- A** Select to display the quickest route.
- B** Select to display the route that is the shortest distance to the set destination.
- C** Select to display the alternative route.
- D** Select to display the information about the 3 routes. (→P.86)

Displaying 3 routes information

- 1 Select “Information”.

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

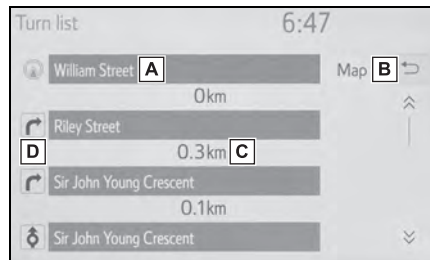


- A** Time necessary for the entire trip
- B** Distance of the entire trip
- C** Distance of the toll road
- D** Distance of the motorway
- E** Distance of the ferry trip

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.

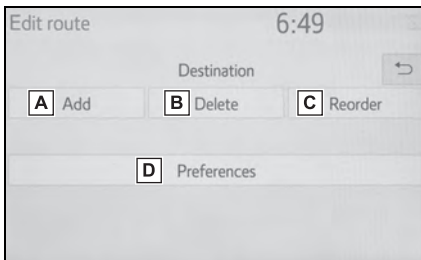
- C** Distance to the next turn
- D** Turn direction at the intersection

● 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.87)
- B** Select to delete destinations. (→P.87)
- C** Select to reorder destinations. (→P.93)
- D** Select to set route preferences. (→P.93)

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.77)
- 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.77)
- Up to 5 destinations can be set.
- 3 Select "Beginning" or "End".

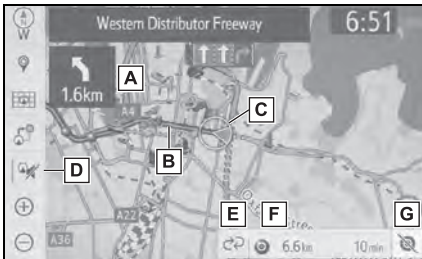
Deleting destinations

- 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.88)
- F** Route information (→P.88)
- G** Select to delete destinations. (→P.20)

- 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.

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.88) and the traffic information (→P.89).



Distance and time to destination

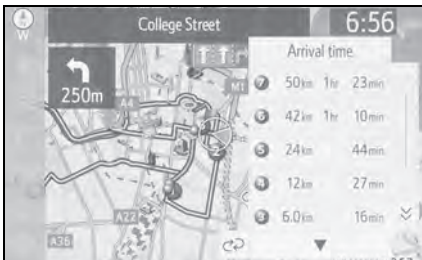
To use this function, it is necessary to be selected the distance with the estimated travel/arrival time for route information bar (→P.88).

- ▶ 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

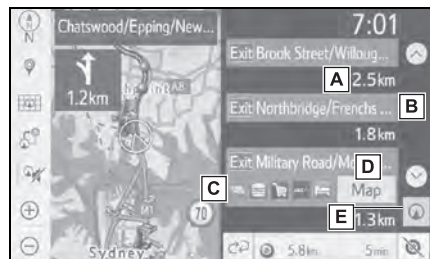
When traffic information is received, the traffic information bar is displayed.

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.88) 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.

■ During motorway driving


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




- A** Distance from the current posi-

tion to the motorway exit/rest area.

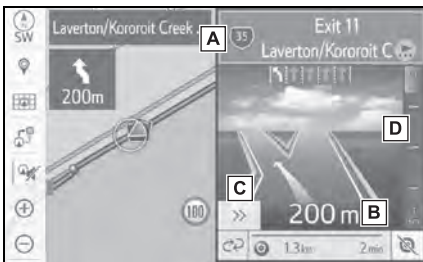
- B** Name of the motorway exit/rest area.
- C** POIs that are close to a motorway exit
- D** Select to display the selected map of the vicinity.
- E** Select to display the nearest motorway exits/rest areas from the current position.

: 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.

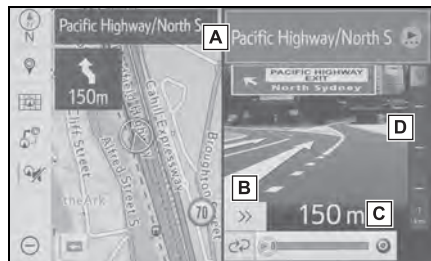
- To return to the motorway guidance screen, press the “MAP” button.

D Remaining distance bar to the guidance point

● This function is available when “Intersection zoom map” is set to on. (→P.102)

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.

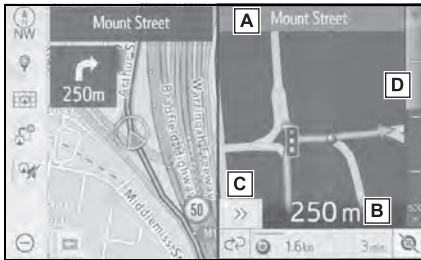
C Distance from the current position to the next junction

D Remaining distance bar to the guidance point

● This function is available when “Intersection zoom map” is set to on. (→P.102)

When approaching intersection

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



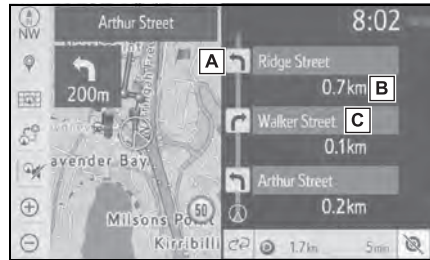
- A** Next street name
- B** Distance to the intersection
- C** Select to hide the intersection guidance screen.
 - To return to the intersection guidance screen, press the “MAP” button.
- D** Remaining distance bar to the guidance point

- A hook turn guidance screen is displayed for nearby intersections.
- This function is available when “Intersection zoom map” is set to on. (→P.102)

Turn list screen

- 1 Select “Turn list” on the map mode screen. (→P.71)

- 2 Check that the turn list screen is displayed.

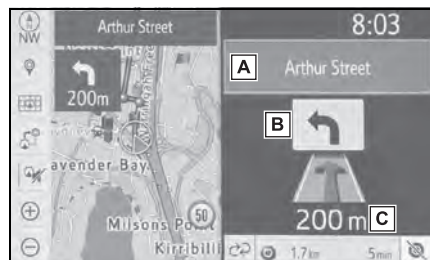


- A** Turn direction
- B** Distance between turns
- C** Next street or destination name

Turn-by-turn arrow screen

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

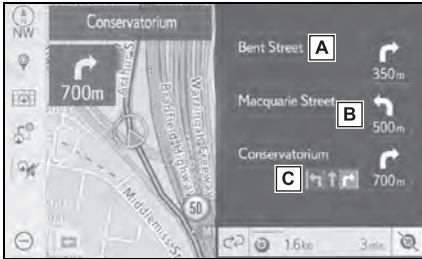
- 1 Select “Turn-by-turn arrow” on the map mode screen. (→P.71)
- 2 Check that the turn list screen is displayed.



- 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.60
- To mute the voice guidance: →P.88
- 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.

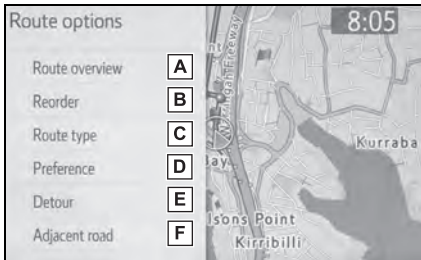
! WARNING

- 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.66)
- 2 Select the desired item to be set.




- A Select to display the overview of the entire route.
 - B Select to reorder destinations. (→P.93)
 - C Select to change route type. (→P.93)
 - D Select to set route preferences. (→P.93)
 - E Select to set detours. (→P.94)
 - F Select to start from adjacent road. (→P.94)
- To hide the route options screen, touch any part of the map screen.
- 3 Check that the route overview is displayed. (→P.85)

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.66)
- 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.66)
- 2 Select “Route type”.
- 3 Select the desired route type.
 - The entire route from the starting point to the destination is displayed. (→P.85)
 - 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.66)
- 2 Select “Preference”.

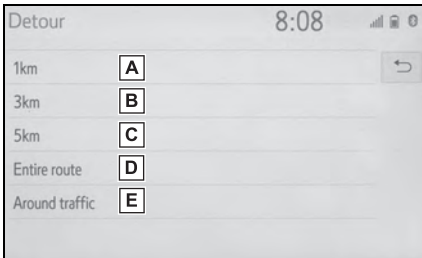
- 3 Select the desired route preferences and select "OK".
- To select "4WD Tracks", "Unsealed road" is required to be on. When "Unsealed road" is off, "4WD Tracks" will be dimmed.

-
- 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.66)
- 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.75)

-
- 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.66)
- 2 Select “Adjacent road”.

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

Navigation settings

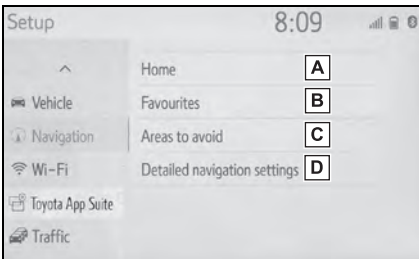
Home, favourites list entries, areas to avoid can be set as memory points. The registered points can be used as the destinations. (→P.77)

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

Displaying navigation settings screen

- 1 “Setup” screen is displayed by following operation:
 - Press the “SETUP” button.
 - Press the “MENU” button, then select “Setup”.
- 2 Select “Navigation”.
- 3 Select the desired item to be set.

Navigation settings screen



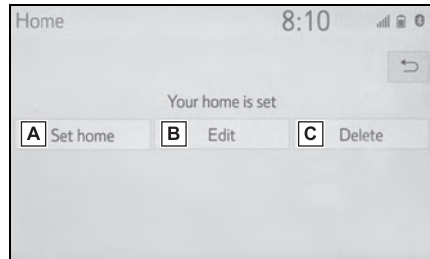
- A** Select to set home. (→P.96)
- B** Select to set the favourites list. (→P.97)

- C** Select to set areas to avoid. (→P.99)
- D** Select to set detailed navigation settings. (→P.102)

Setting up home

If home has been registered, that information can be recalled by selecting “Go home” on the destination screen. (→P.77)

- 1 Display the navigation settings screen. (→P.96)
- 2 Select “Home”.
- 3 Select the desired item to be set.



- A** Select to register home. (→P.96)
- B** Select to edit home. (→P.97)
- C** Select to delete home. (→P.97)

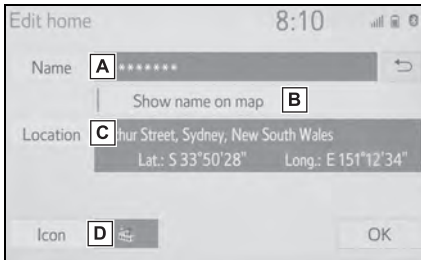
Registering home

- 1 Select “Set home”.
- 2 Select the desired item to search for the location. (→P.77)
- 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.98)
 - B Select to set display of the home name on/off.
 - C Select to edit location information. (→P.98)
 - D Select to change the icon to be displayed on the map screen. (→P.98)
- 3 Select "OK".

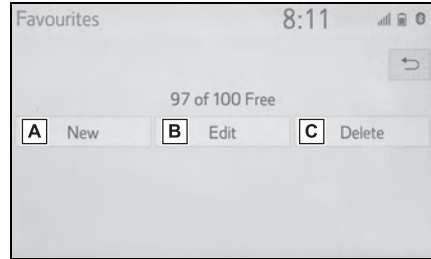
Deleting home

- 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.96)
- 2 Select "Favourites".
- 3 Select the desired item.



- A Select to register favourites list entries. (→P.97)
- B Select to edit favourites list entries. (→P.97)
- C Select to delete favourites list entries. (→P.99)

Registering favourites list entries

- 1 Select "New".
- 2 Select the desired item to search for the location. (→P.77)
- 3 Select "Enter" when the setting map screen appears.
- 4 Select "OK" when the editing favourites list screen appears. (→P.97)

- Up to 100 favourites list entries can be registered.

Editing favourites list entries

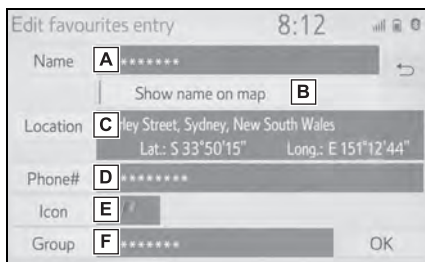
The icon, name, location and/or phone number of a registered

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.82)

"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.99).

- 3 Select the desired item to be edited.



- A Select to edit the favourites list entry name. (→P.98)
- B Select to set display of the favourites list entry name on/off.
- C Select to edit location information. (→P.98)
- D Select to edit the phone number. (→P.98)
- E Select to change the icon to be displayed on the map screen. (→P.98)

- F Select to register group. (→P.99)

- 4 Select "OK".

Changing the name

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

Changing the location

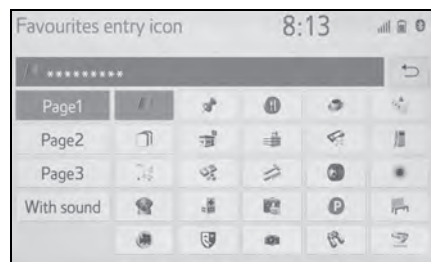
- 1 Select "Location".
- 2 Scroll the map to the desired point (→P.70) and select "OK".

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.

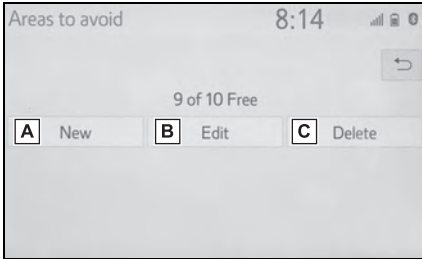
“Cancel group filter”: Select to close the displayed items, and display all groups.

- 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.96)
- 2 Select “Areas to avoid”.
- 3 Select the desired item.



- A** Select to register areas to avoid. (→P.100)
- B** Select to edit areas to avoid. (→P.100)
- C** Select to delete areas to avoid. (→P.101)

Registering areas to avoid

- 1 Select “New”.
- 2 Select the desired item to search for the location. (→P.77)
- 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”.



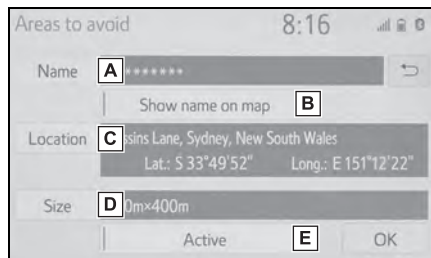
- 5 Select “OK” when the area to avoid screen appears.

- 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.101)
 - B** Select to set display of the area to avoid name on/off.
 - C** Select to edit area location. (→P.101)
 - D** Select to edit area size. (→P.101)
 - 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.70) 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

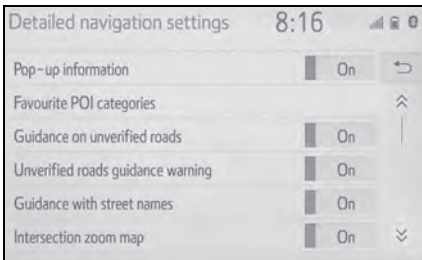
- 1** Select “Delete”.
- 2** Select the desired area to be deleted.

Detailed navigation settings

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

Displaying the detailed navigation settings screen

- 1 "Setup" screen is displayed by following operation:
 - Press the "SETUP" button.
 - Press the "MENU" button, then select "Setup".
- 2 Select "Navigation".
- 3 Select "Detailed navigation settings".
- 4 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.103)

- "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.104)

- "3D suburb model map"

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

- "Guidance level for petrol sta-

tions”

Select to set display of low fuel warning. (→P.103)

- “My memory”

Select to set my memory settings. (→P.105)

- “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.104)

- “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.105)

- “Safety zone”

Select to set the safety zone display on

the map screen on/off.

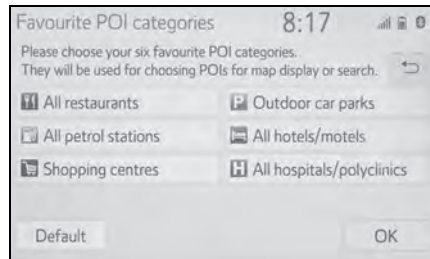
- “Restore default settings”

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.102)
- 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.102)
- 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.74)

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.102)
- 2 Select “Calibration”.
- 3 Select the desired item.
- For additional information on the accuracy of a current position: →P.113

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.70) 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.

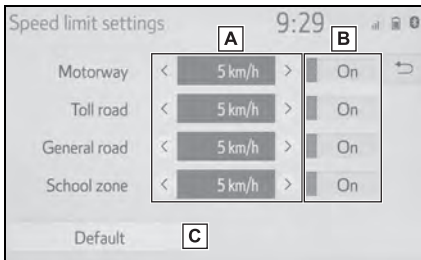
- 1 Select “Tyre change”.
- The quick distance calibration starts automatically.
- If this procedure is not performed when the tyres are replaced, the current position mark may be incorrectly displayed.

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.102)
- 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.102)
- 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.73) can be edited or deleted.

- 1 Display the detailed navigation settings screen. (→P.102)
- 2 Select “My memory”.
- 3 Select “Route trace”.

- 4 Select the desired item.

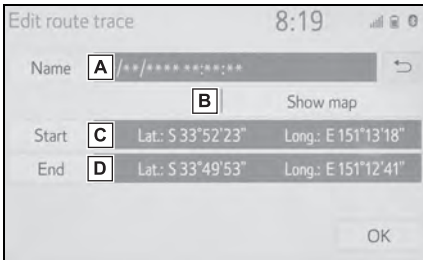


- A** Select to edit route traces. (→P.106)
- B** Select to delete route traces. (→P.106)

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.106)
- 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

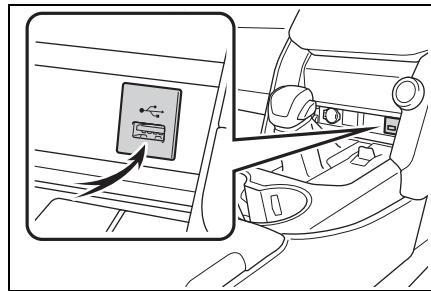
- 1 Select "Name".
- 2 Enter the desired name and select "OK".

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 Connect a device to the USB port.



- Turn on the power of the USB memory if it is not turned on.
- 2 Display the detailed navigation settings screen. (→P.102)
- 3 Select "My memory".
- 4 Select the desired item.

“Backup to USB”: →P.107

“Copy from USB”: →P.107

Backup to a USB memory

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.107)

- 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.107)

- 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.57)
- Contact your Toyota dealer.

Copying from a USB memory

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.107)

- 1 Select “Copy from USB”.
- If a password has already been set, enter the password. For instructions on setting a password: →P.107
- 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.

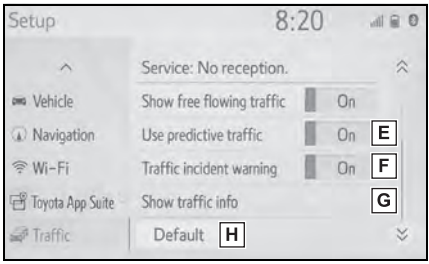
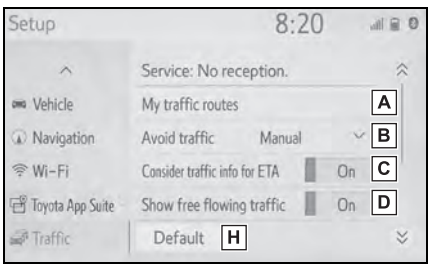
Traffic settings

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

Displaying the traffic settings screen

- 1 "Setup" screen is displayed by following operation:
 - Press the "SETUP" button.
 - Press the "MENU" button, then select "Setup".
- 2 Select "Traffic".
- 3 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.109)

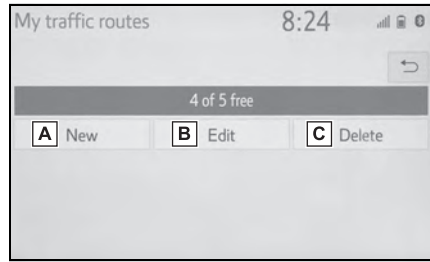
- B** Select to set the avoid traffic function auto/manual. (→P.111)
- C** Select to set the usage of traffic information for the estimated arrival time on/off.
- D** Select to set the display of an arrow of free flowing traffic on/off.
- E** Select to set to on/off whether to consider the predictive 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.112)
- 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.108)
- 2** Select "My traffic routes".

- 3** Select the desired item.



- A** Select to register personal traffic routes. (→P.109)
- B** Select to edit personal traffic routes. (→P.110)
- C** Select to delete personal traffic routes. (→P.110)

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.77)
- 6** Select "End".
- 7** Select the desired item to search for the location. (→P.77)
- 8** Select "OK".

- 9 Confirm the route overview displayed.

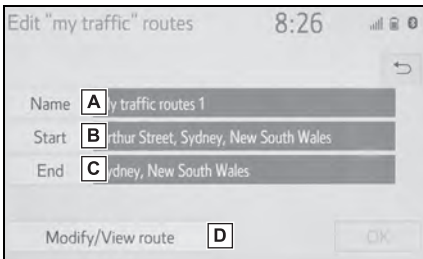


- A Select the desired route from 3 possible routes. (→P.86)
 - B Select to modify the route. The routes can be adjusted by setting preferred roads. (→P.110)
- 10 Select “OK”.

● 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.109)
- B Select to edit start location. (→P.109)

- C Select to edit end location. (→P.109)

- D Select to see and modify the entire route. (→P.110)

- 4 Select “OK”.
- 5 Follow the steps in “Registering personal traffic routes” from step 9. (→P.109)

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.

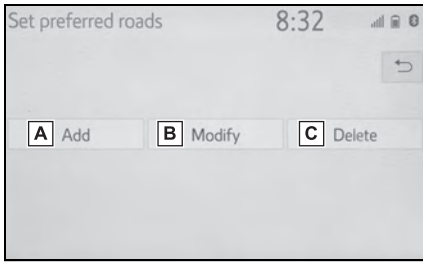
Setting preferred roads

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

- 1 Select “Set preferred roads”.



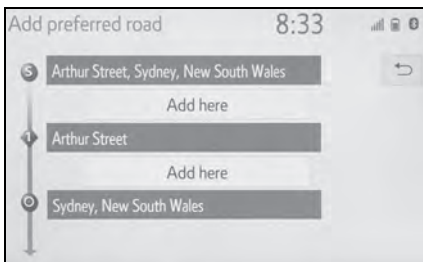
2 Select the desired item.



- A** Select to add preferred roads. (→P.111)
- B** Select to modify preferred roads. (→P.111)
- C** Select to delete preferred roads. (→P.111)

■ Adding preferred roads

- 1 Select “Add”.
- 2 Scroll the map to the desired point (→P.69) 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.69) and select “OK”.
- 4 Select “OK” to use this road.

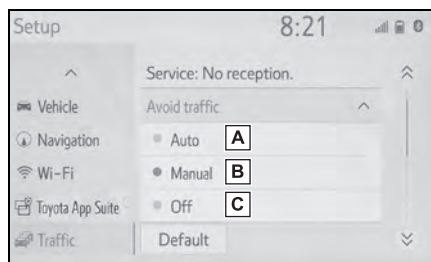
“Next”: Select to change road.

■ 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.108)
- 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.

- 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.

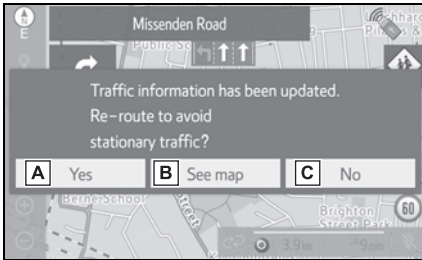
"All off": Select to cancel all the selections.

- For more details on traffic information icons: →P.75

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.108)

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.104
 - 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.104
-
- 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.

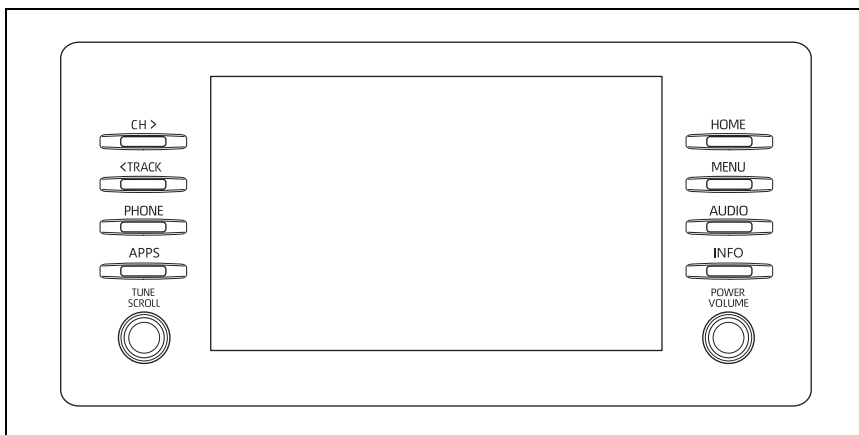
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 - Some basics **120**
- 4-2. Radio operation**
 - AM/FM/DAB radio..... **126**
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Quick reference

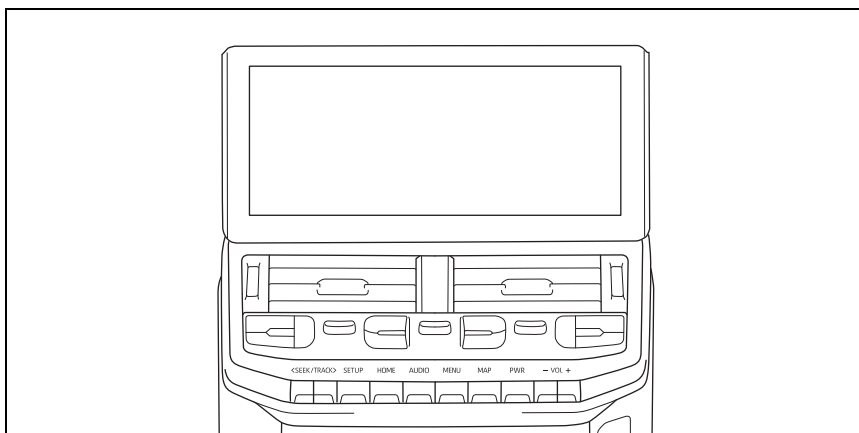
Functional overview

1 Audio control screen is displayed by following operation:

- Press the “AUDIO” button.
 - Press the “MENU” button, then select “Audio”.
- ▶ 9-inch display model



▶ 12.3-inch display model



- Using the radio (→P.126)
- Playing an audio CD or MP3/WMA/AAC disc*1 (→P.131)
- Playing a DVD*1 (→P.133)

- Playing a USB memory (→P.135)
- Playing an iPod/iPhone (Apple CarPlay^{*2}) (→P.138)
- Using the Android Auto^{*2} (→P.141)
- Playing a Bluetooth[®] device (→P.142)
- Using the Miracast[®] (→P.146)
- Using the steering wheel audio switches (→P.149)
- Audio system settings (→P.151)

*1: 12.3-inch display model

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

-
- The audio functions can also be displayed and operated on the Toyota multi-operation touch. (→P.27)

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 is in ACC or ON.

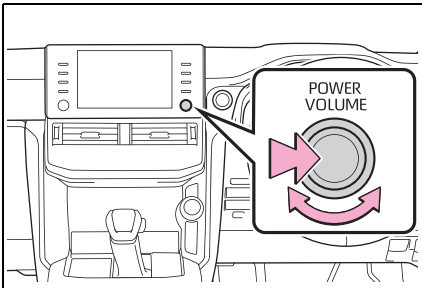


NOTICE

● To prevent the battery from being discharged, do not leave the audio/visual system on longer than necessary when the fuel cell system is not operating.

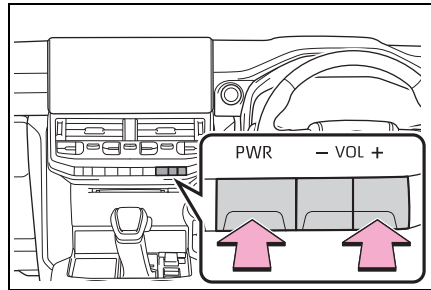
Turning the system on and off

▶ 9-inch display model



“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.

▶ 12.3-inch display model

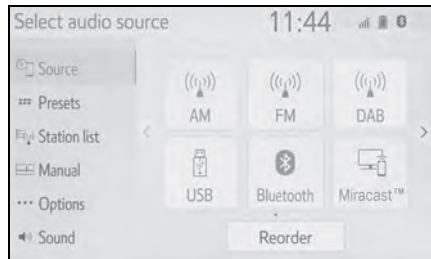


“PWR” button: Press to turn the audio/visual system on and off. The system turns on in the last mode used.

“VOL” button: Press “+” or “-” to adjust the volume.


Selecting an audio source

- 1 Audio control screen is displayed by following operation:
 - Press the “AUDIO” button.
 - Press the “MENU” button, then select “Audio”.
- 2 Select “Source”.
- 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*^{1, 2}

*¹: 12.3-inch display model

*²: This function is not made available in some countries or areas.

Reordering the audio source

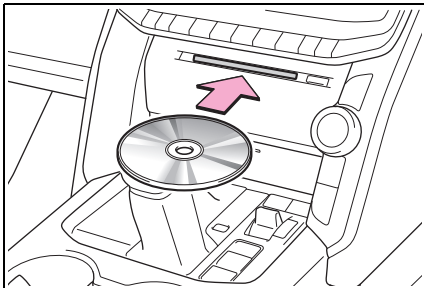
- 1 Display the audio source selection screen. (→P.120)
- 2 Select “Reorder”.
- 3 Select the desired audio source then  or  to reorder.

Disc slot*

*: 12.3-inch display model


■ Inserting a disc

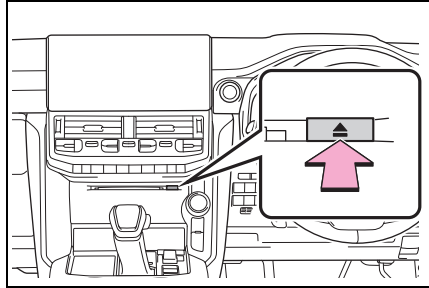
- 1 Insert a disc into the disc slot.



- After insertion, the disc is automatically loaded.

■ Ejecting the disc

- 1 Press the  button and remove the disc.



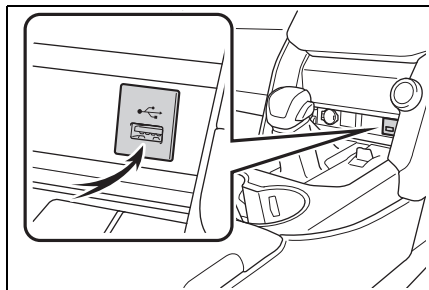
- The player is intended for use with 12 cm discs only.
- When inserting a disc, gently insert the disc with the label facing up.

NOTICE

- Never try to disassemble or oil any part of the CD/DVD player. Do not insert anything other than a disc into the slot.

USB port

- 1 Connect a device to the USB port.



- 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 operable, as the supply of current may be insufficient.

Sound settings

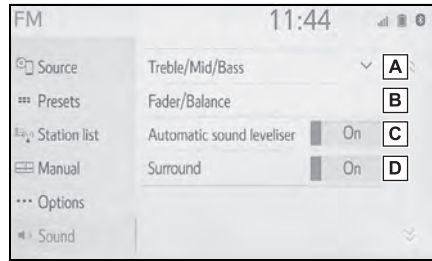
- 1 Display the audio control screen. (→P.120)
- 2 Select “Sound”.
- 3 Select the desired item to be set.

▶ Type A



- A** Select to set the treble/mid/bass. (→P.122)
- B** Select to set the fader/balance. (→P.123)
- C** Select to set the automatic sound leveliser. (→P.123)

▶ Type B

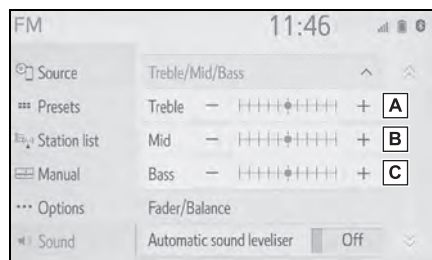


- A** Select to set the treble/mid/bass. (→P.122)
- B** Select to set the fader/balance. (→P.123)
- C** Select to set the automatic sound leveliser. (→P.123)
- D** Select to set the surround on/off. This function can create a feeling of presence. (→P.123)

■ 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.



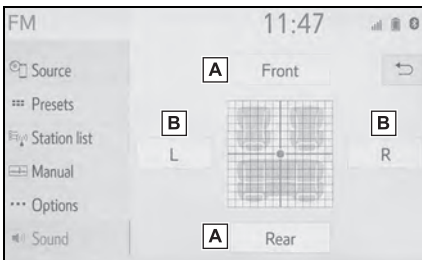
- A** Select “+” or “-” to adjust high-pitched tones.
- B** Select “+” or “-” to adjust mid-pitched tones.
- C** Select “+” or “-” to adjust low-pitched tones.

■ 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 volume 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 levelizer on/off.

■ Surround*

This function can create a feeling of presence.

- 1 Select to set the surround on/off.

*: If equipped

Audio screen adjustment

■ Screen format settings

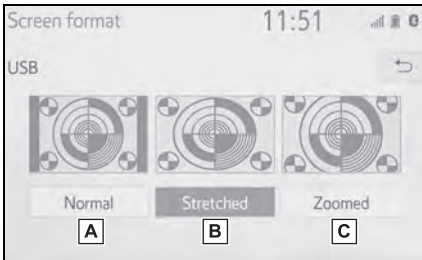
The screen adjustment can be selected for DVD video, USB video and Miracast®.

▶ From the audio settings screen

- 1 “Setup” screen is displayed by following operation:

- Press the “SETUP” button.*
- Press the “MENU” button, then select “Setup”.

- *: 12.3-inch display model
- 2 Select "Audio".
 - 3 Select "Common".
 - 4 Select "Screen format".
 - 5 Select the desired item to be adjusted.
- ▶ From the Miracast[®] control screen
- 1 Display the Miracast[®] control screen. (→P.146)
 - 2 Select "Wide".
 - 3 Follow the steps in "From the audio settings screen" from step 5. (→P.123)



- 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

■ Color, tone, contrast and brightness adjustment

The color, tone, contrast and brightness of the screen can be adjusted.

- ▶ From the audio settings screen
- 1 "Setup" screen is displayed by following operation:

- Press the "SETUP" button.*
- Press the "MENU" button, then select "Setup".

*: 12.3-inch display model

- 2 Select "Audio".
- 3 Select "Common".
- 4 Select "Display".
- 5 Select the desired item to be adjusted.

- ▶ From the Miracast[®] control screen

- 1 Display the Miracast[®] control screen. (→P.146)
- 2 Select "Display".
- 3 Follow the steps in "From the audio settings screen" from step 5. (→P.124)

● "Colour"*

"R": Select to strengthen the red color of the screen.

"G": Select to strengthen the green color of the screen.

● "Tone"*

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

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

● "Contrast"

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

"-": Select to weaken the contrast of the

screen.

- “Brightness”

“+”: Select to brighten the screen.

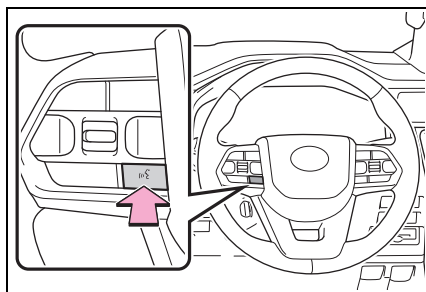
“-”: Select to darken the screen.

*: 12.3-inch display model

-
- 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.210)

AM/FM/DAB* radio

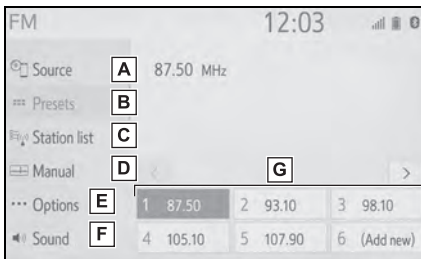
*: If equipped

Overview

The radio control screen can be reached by the following methods:
→P.120

Control screen

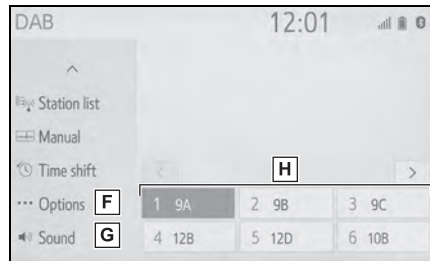
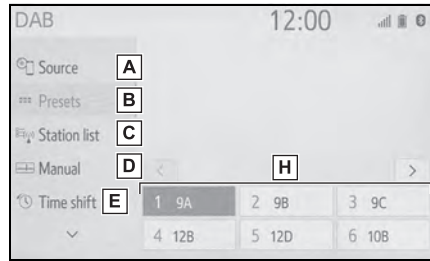
▶ AM/FM



- A** Select to display the audio source selection screen.
- B** Select to display the preset stations/services screen. (→P.128)
- 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.129)
- F** Select to display the sound setting screen. (→P.122)
- G** Select to tune to preset stations/services. (→P.128)

*: FM only

▶ DAB



- A** Select to display the audio source selection screen.
- B** Select to display the preset stations/services screen. (→P.128)
- 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.130)
- F** Select to display the radio options screen. (→P.129)
- G** Select to display the sound setting screen. (→P.122)
- H** Select to tune to preset stations/services. (→P.128)

ration 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.129), the radio will begin seeking a TP station.
- When the program ends, the initial operation resumes.

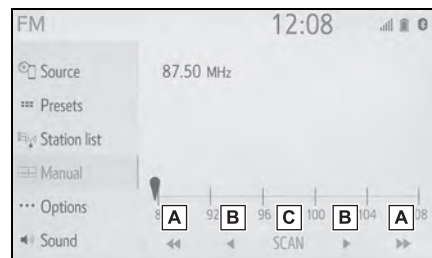
Traffic announcement volume function

The volume level when receiving the traffic announcement is memorized

Manual tuning

► FM

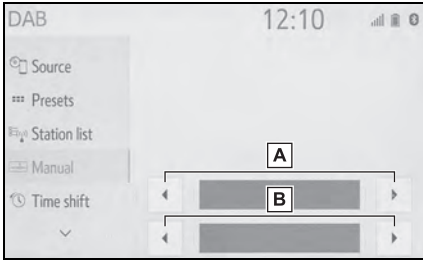
- 1 Select “Manual”.
- 2 Tune the desired station.



- 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 channel or service.

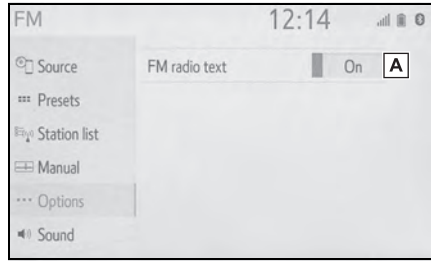


- A** Select to set the desired DAB channel.
- B** Select to set the desired service/station.

Radio options

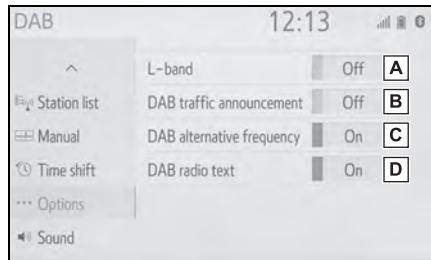
- 1 Select "Options".
- 2 Select the desired item to be set.

▶ FM



- A** Select on/off to set the FM radio text feature.

▶ DAB



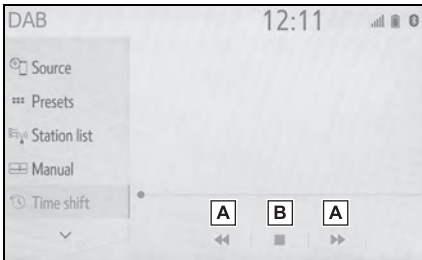
- A** Select on/off to set L-band in the tune range. When "Off" is selected, the physical channel range for tuning operations is limited to Band III, excluding for preset operations. When "On" is selected, the physical channel range for tuning operations includes Band III and L-band.
- B** Select to set the DAB traffic announcement on/off. (→P.128)
- C** Select to set the DAB alternative frequency function on/off. (→P.128)
- D** Select on/off to set the DAB text feature.

- Radio settings can be set on the audio settings screen. (→P.151)

Time shift operation (DAB)

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.

Internet radio*

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

One of Toyota App Suite features is the ability to listen to internet radio. In order to use this service, a compatible phone and the system needs to be set up. For details: →P.248

Listening to internet radio

- 1 Display the audio source selection screen. (→P.120)
 - 2 Select the desired application screen button.
 - The internet radio application screen is displayed.
 - Perform operations according to the displayed application screen.
 - If a compatible phone is already registered, it will be connected automatically.
-
- Other applications can be activated while listening to internet radio.
 - Internet radio is a Toyota App Suite app platform capability and as such may not be supported.
 - Some parts of applications can be adjusted using the switches on the steering wheel.
 - For additional information, refer to <https://www.toyota.com.au> or call 1-800-869-682.

CD*

*: 12.3-inch display model

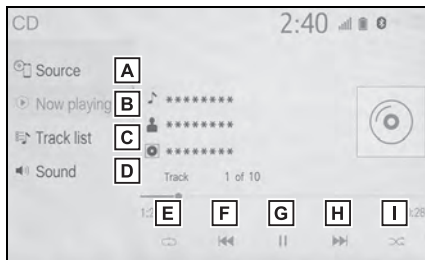
Overview

The CD operation screen can be reached by the following methods:
→P.120

- Inserting a disc (→P.121)

Control screen

- ▶ Audio CD

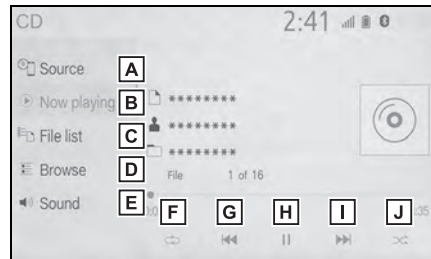


- A** Select to display the audio source selection screen.
- B** Select to return to the control screen.
- C** Select to display the track list screen.
- D** Select to display the sound setting screen. (→P.122)
- E** Select to set repeat playback. (→P.131)
- F** Select to change the track. Select and hold to fast rewind.
- G** Select to play/pause.
- H** Select to change the track.

Select and hold to fast forward.

- I** Select to set random playback. (→P.132)

- ▶ MP3/WMA/AAC disc




- A** Select to display the audio source selection screen.
- B** Select to return to the control screen.
- C** Select to display a file list screen.
- D** Select to display a folder list.
- E** Select to display the sound setting screen. (→P.122)
- F** Select to set repeat playback. (→P.131)
- G** Select to change the file. Select and hold to fast rewind.
- H** Select to play/pause.
- I** Select to change the file. Select and hold to fast forward.
- J** Select to set random playback. (→P.132)

Repeating

The track/file or folder currently

being listened to can be repeated.

1 Select .

● Each time  is selected, the mode changes as follows:

- ▶ Audio CD
 - track repeat → off
- ▶ MP3/WMA/AAC disc
 - file repeat → folder repeat → off^{*1}
 - file repeat → off^{*2}


^{*1}: When random playback is off

^{*2}: When random playback is on

Random order

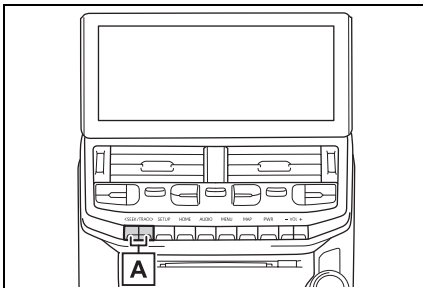
Tracks/files or folders can be automatically and randomly selected.

1 Select .

● Each time  is selected, the mode changes as follows:

- ▶ Audio CD
 - random (1 disc random) → off
- ▶ MP3/WMA/AAC disc
 - random (1 folder random) → folder random (all folder random) → off

Control panel



- A** Press to change a track/file.
Press and hold to fast forward/rewind.

- If a disc contains CD-DA files and MP3/WMA/AAC files, only the CD-DA files can be played back.
- If a CD-TEXT disc is inserted, the title of the disc and track will be displayed.

DVD*

*: 12.3-inch display model

For safety reasons, the DVD video discs can only be viewed when the following conditions are met:

- (a) The vehicle is completely stopped.**
- (b) The engine switch is in ACC or ON.**
- (c) The parking brake is applied.**

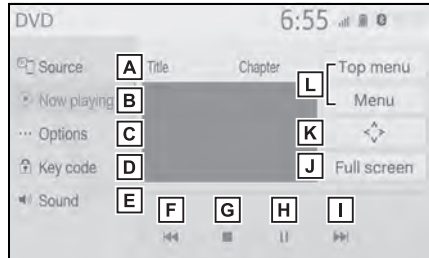
While driving in DVD video mode, only the DVD's audio can be heard.

The playback condition of some DVD discs may be determined by the DVD software producer. This DVD player plays a disc as the software producer intended. As such, some functions may not work properly. Be sure to read the instruction manual that comes with the individual DVD disc. (→P.157)

Overview

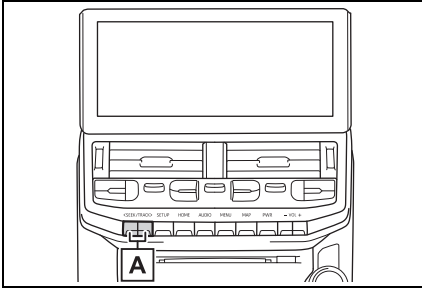
The DVD control screen can be reached by the following methods:
→P.120

- Inserting a disc (→P.121)


Control screen

- A** Select to display the audio source selection screen.
- B** Select to return to the control screen.
- C** Select to display option screen. (→P.134)
- D** Select to display the key code input screen.
- E** Select to display the sound setting screen. (→P.122)
- F** Select to change the chapter. Select and hold to fast rewind.
- G** Select to stop the video screen.
- H** Select to play/pause.
- I** Select to change the chapter.
 - During playback: Select and hold to fast forward.
 - During a pause: Select and hold to slow forward.
- J** Select to display full screen video.
- K** Select to display the menu control key.
- L** Select to display the menu screen.

Audio control switch



- A** Press to select a chapter.
Press and hold to fast forward/rewind.

- According to the DVD disc, some menu items can be selected directly. (For details, see the manual that comes with the DVD disc provided separately.)
- If  appears on the screen when a control is selected, the operation relevant to the control is not permitted.

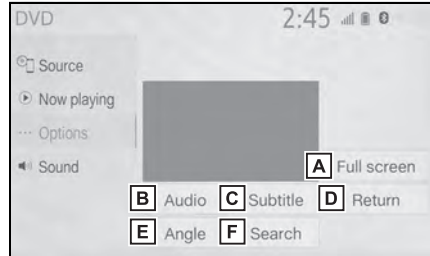
WARNING

- Conversational speech on some DVDs is recorded at a low volume to emphasize the impact of sound effects. If you adjust the volume assuming that the conversations represent the maximum volume level that the DVD will play, you may be startled by louder sound effects or when you change to a different audio source. The louder sounds may have a significant impact on the human body or pose a driving hazard. Keep this in mind when you adjust the volume.

DVD options

- 1 Select "Options".

- 2 The following screen is displayed.



- A** Select to display full screen video.
- B** Select to change the audio language. (→P.134)
- C** Select to change the subtitle language. (→P.134)
- D** Select to display the predetermined scene on the screen and start playing.
- E** Select to change the angle. (→P.135)
- F** Select to display the title search screen. (→P.135)

Changing the audio language

- 1 Select "Audio".
- 2 Each time "Audio" is selected, the audio language is changed.

- The languages available are restricted to those available on the DVD disc.

Changing the subtitle language

- 1 Select "Subtitle".

2 Each time “Change” is selected, the language the subtitles are displayed in is changed.

- The languages available are restricted to those available on the DVD disc.
- When “Hide” is selected, the subtitles can be hidden.

Changing the angle

The angle can be selected for discs that are multi-angle compatible when the angle mark appears on the screen.

- 1** Select “Angle”.
- 2** Each time “Angle” is selected, the angle is changed.

- The angles available are restricted to those available on the DVD disc.

Searching by title

- 1** Select “Search”.
 - 2** Enter the title number and select “OK”.
- The player starts playing video for that title number.

USB memory

Overview

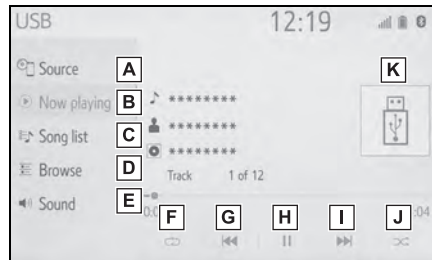
The USB memory operation screen can be reached by the following methods: →P.120

- Connecting a USB memory (→P.121)
- When an Apple CarPlay/Android Auto connection is established, this function will be unavailable.*

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

Control screen

▶ USB audio



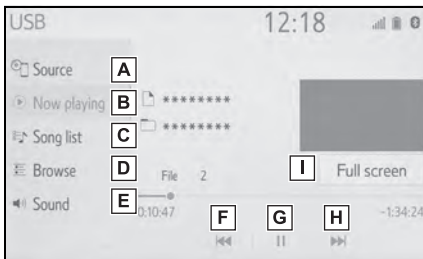
- A** Select to display the audio source selection screen.
- B** Select to return to the top screen.
- C** Select to display a song list screen.
- D** Select to display the play mode selection screen.
- E** Select to display the sound setting screen. (→P.122)

- F** Select to set repeat playback.
(→P.137)
- 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.137)

K Displays cover art.

▶ USB video

- 1 Select "Browse".
- 2 Select "Videos".
- 3 Select the desired folder and file.

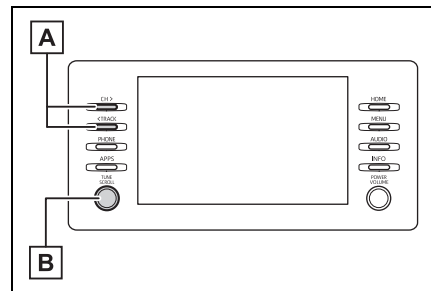


- A** Select to display the audio source selection screen.
- B** Select to return to the top screen.
- C** Select to display a song list screen.
- D** Select to display the play mode selection screen.
- E** Select to display the sound setting screen. (→P.122)

- 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.

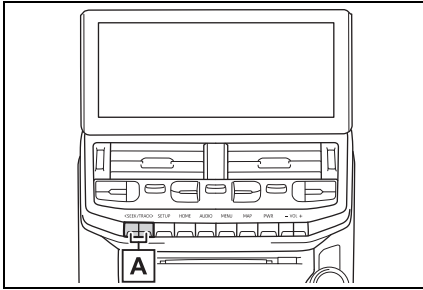
Control panel

▶ 9-inch display model



- 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.

▶ 12.3-inch display model




A Press to change the file/track.
Press and hold to fast forward/rewind.

- 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

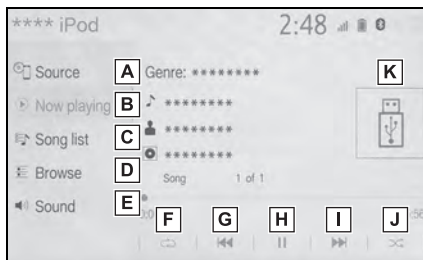
The iPod/iPhone operation screen can be reached by the following methods: →P.120

- Connecting an iPod/iPhone (→P.121)
- When an Android Auto connection is established, this function will be unavailable.*

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

Control screen

- ▶ An Apple CarPlay connection is not established

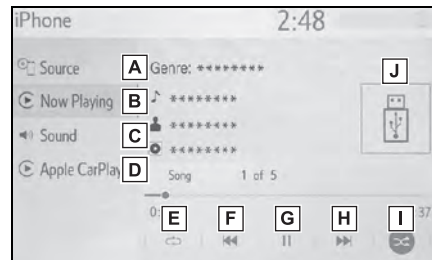


- A** Select to display the audio source selection screen.
- B** Select to return to the top screen.
- C** Select to display a song list screen.

- D** Select to display the play mode selection screen.
- E** Select to display the sound setting screen. (→P.122)
- F** Select to set repeat playback. (→P.140)
- 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.140)

K Displays cover art.

- ▶ An Apple CarPlay connection is established



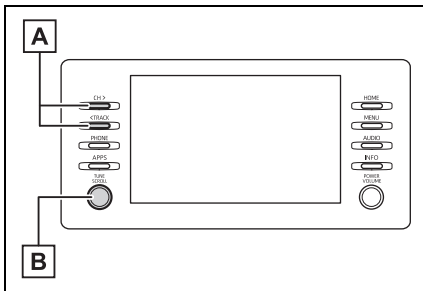
- A** Select to display the audio source selection screen.
- B** Select to return to the top screen.
- C** Select to display the sound setting screen. (→P.122)
- D** Select to display the audio control screen of Apple CarPlay.
- E** Select to set repeat playback.

(→P.140)

- F** Select to change the track.
Select and hold to fast rewind.
- G** Select to play/pause.
- H** Select to change the track.
Select and hold to fast forward.
- I** Select to set random playback.
(→P.140)
- J** Displays cover art.

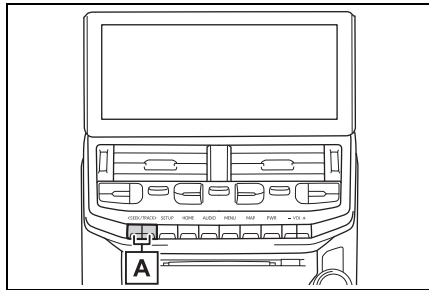
Control panel

▶ 9-inch display model



- A** Press to change the track.
Press and hold to fast forward/rewind.
- B** Turn to move up/down the list.
Also, the knob can be used to enter selections on the list screens by pressing it.

▶ 12.3-inch display model




- A** Press to change the track. Press and hold to fast forward/rewind.

- 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.151) 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 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.

Android Auto *

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

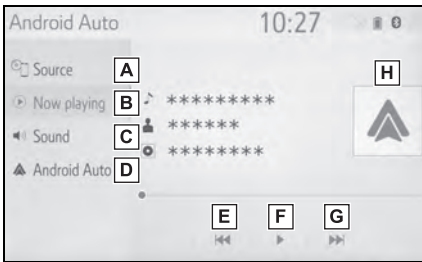
Overview

The Android Auto operation screen can be reached by the following methods: →P.120

- Connecting an Android Auto device (→P.121)
- When an Apple CarPlay connection is established, this function will be unavailable.*

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

Control screen

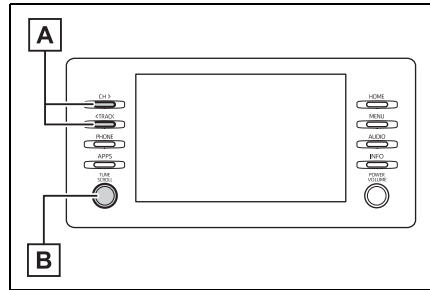


- A** Select to display the audio source selection screen.
- B** Select to return to the top screen.
- C** Select to display the sound setting screen. (→P.122)
- D** Select to display the audio control screen of Android Auto.
- E** Select to change the track.

- F** Select to play/pause.
- G** Select to change the track.
- H** Displays cover art.

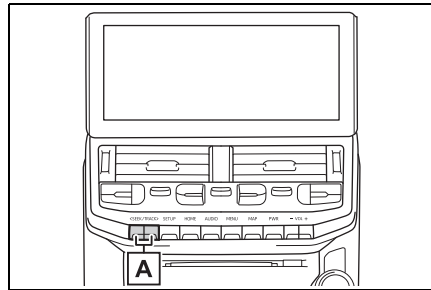
Control panel

▶ 9-inch display model



- A** Press to change the track.
- B** Turn to change the track.

▶ 12.3-inch display model



- A** Press 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.

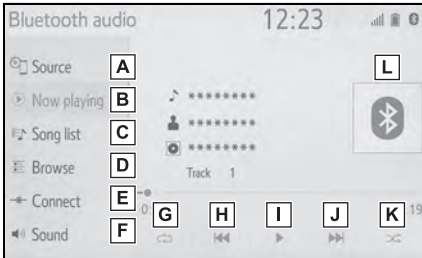
This audio/visual system supports Bluetooth®, a wireless data system capable of playing portable audio music without cables. If your device does not support Bluetooth®, the Bluetooth® audio system will not function.

Overview

The Bluetooth® audio operation screen can be reached by the following methods: →P.120

- Connecting a Bluetooth® audio device (→P.145)
- 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.

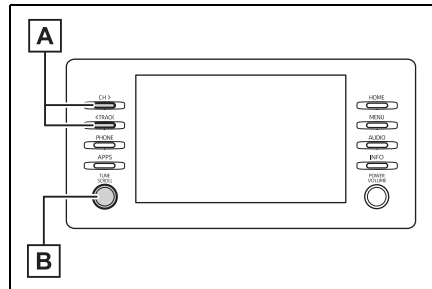
Control screen



- 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.145)
- F** Select to display the sound setting screen. (→P.122)
- G** Select to set repeat playback. (→P.143)
- 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.144)
- L** Displays cover art.

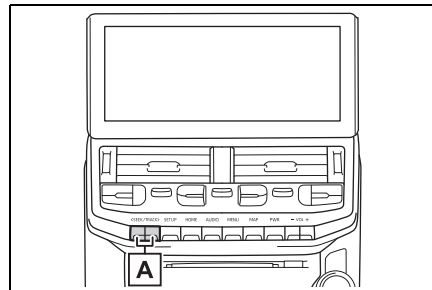
Control panel

▶ 9-inch display model



- A** Press to change the track. Press and hold to fast forward/rewind.
- B** Turn to move up/down the list. Also, the knob can be used to enter selections on the list screens by pressing it.

▶ 12.3-inch display model




- A** Press to change the track. Press and hold to fast forward/rewind.

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
 - repeat all* → track repeat → album repeat → off
 - ▶ When random playback is on
 - repeat all* → track repeat → off
- *: If equipped

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 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.59)
- 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.

**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 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.142)
 - 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 4. (→P.36)

- ▶ Selecting a registered device

- 1 Display the Bluetooth® audio control screen. (→P.142)
 - 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^{®*}

*: Miracast[®] is a registered trademark of Wi-Fi Alliance[®].

Miracast[®] 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[®] connection (P2P mode).

This function is not available if the smartphone is not certified by Wi-Fi Alliance[®] as Miracast[®] device.

(Whether or not a device is a Wi-Fi Alliance[®] certified Miracast[®] device can be checked at <http://www.wi-fi.org>.)

While the vehicle is being driven, this function can only output sound.

- Miracast[®] performs wireless communication using the same 2.4 GHz radio frequency band as Bluetooth[®]. Depending on the usage environment, radio wave interference may occur, resulting in image distortion and audio stuttering. If interference occurs, connecting a Bluetooth[®] cellular phone or portable device that is registered with the navigation system may reduce the effects.

Overview

The Miracast[®] operation screen can be reached by the following methods: →P.120

- Connecting Miracast[®] device (→P.147)

Control screen



- A** Select to disconnect the Miracast[®] device.
- B** Select to change the screen size. (→P.123)
- C** Select to display/hide the control button.
- D** Select to display the image quality adjustment screen. (→P.124)

- The Miracast[®] sound volume takes into account the sound volume of both the system and the connected device. Before using Miracast[®], adjust the sound volume of the connected device to an appropriate level.
- When a device that uses Bluetooth[®] audio is used with Miracast[®], no sound may be output from Miracast[®]. If this occurs, disabling the Bluetooth[®] audio may allow sound to be output from Miracast[®].

- The Miracast[®] 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

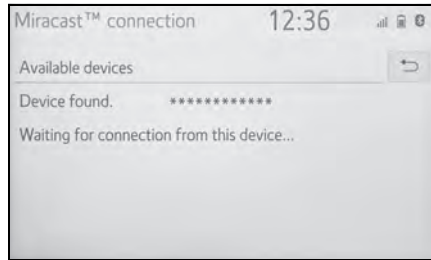
- Do not leave your smartphone in the vehicle. In particular, high temperatures inside the vehicle may damage the smartphone.

Connecting a Miracast[®] device

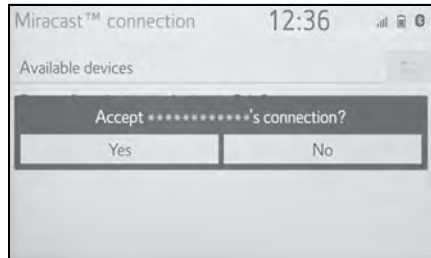
Miracast[®] is available when the Wi-Fi[®] function is enabled. (→P.47)

- 1 Turn the Miracast[®] function of your smartphone on.
 - 2 Select “Miracast™” on the audio source selection screen. (→P.120)
- The system will automatically start searching for a Miracast[®] 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[®] connection may start immediately.
- 4 Select the system name on the smartphone.
 - 5 Select “Yes”.



- 6 Check that Miracast[®] operation screen is displayed.
- Depending on the device connected, it may take approximately 5 to 15 seconds before the Miracast[®] operation screen is displayed.

- The signal strength/status of the Wi-Fi[®] connection (P2P mode) is displayed on the upper right side of the

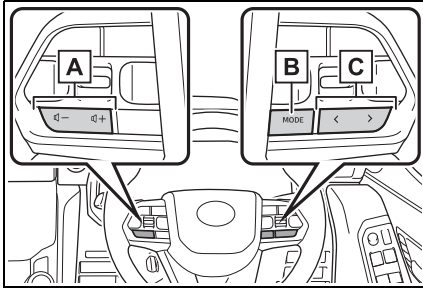
screen. (→P.16)

- To check the Miracast[®] setting on the Wi-Fi[®] setting screen: →P.48

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 < > switch

■ Volume control switch

- Press: Volume up/down
- Press and hold: Volume up/down continuously

■ “MODE” switch

- ▶ AM/FM/DAB^{*1}
 - Press: Change audio modes
 - Press and hold: Mute (Press and hold again to resume the sound.)
- ▶ CD^{*2}, MP3/WMA/AAC disc^{*2}, DVD^{*2}, USB^{*3, 4}, iPod/iPhone^{*3}, Bluetooth[®] audio^{*3, 4}, Android Auto^{*4}
 - Press: Change audio modes
 - Press and hold: Pause (Press and hold again to resume the play mode.)

▶ Miracast[®]

- Press: Change audio modes

^{*1}: This function is not made available in some countries or areas.

^{*2}: 12.3-inch display model

^{*3}: When an Android Auto connection is established, this function will be unavailable.

^{*4}: When an Apple CarPlay connection is established, this function will be unavailable.

■ < > 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: Seek up/down continuously while the switch is being pressed (Manual tuning screen)

▶ DAB^{*1}

- 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: Seek up/down continuously while the switch is being pressed (Manual tuning screen)

▶ CD^{*2}, MP3/WMA/AAC disc^{*2}, DVD^{*2}, USB^{*3, 4}, iPod/iPhone^{*3}, Bluetooth[®] audio^{*3, 4}

- Press: Track/file up/down

- Press and hold: Fast forward/rewind
- ▶ Android Auto^{*4}
- Press: Track/file up/down

^{*1}: This function is not made available in some countries or areas.

^{*2}: 12.3-inch display model

^{*3}: When an Android Auto connection is established, this function will be unavailable.

^{*4}: When an Apple CarPlay connection is established, this function will be unavailable.

Audio settings

Detailed audio settings can be programmed.

Displaying the audio settings screen

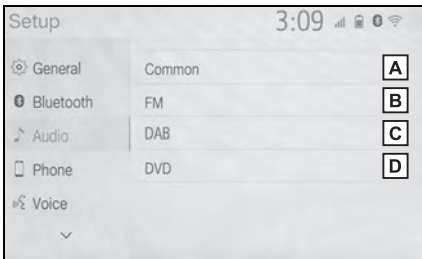
1 “Setup” screen is displayed by following operation:

- Press the “SETUP” button.*
- Press the “MENU” button, then select “Setup”.

*: 12.3-inch display model

- 2 Select “Audio”.
- 3 Select the desired item to be set.

Audio settings screen



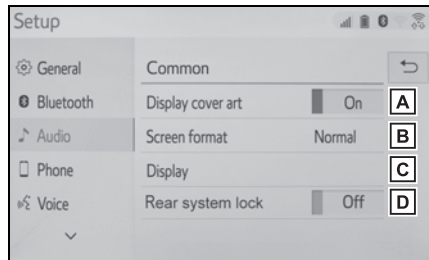
- A** Select to set the common settings. (→P.151)
- B** Select to set detailed FM radio settings. (→P.129)
- C** Select to set detailed DAB settings.*¹ (→P.129)
- D** Select to set detailed DVD settings.*² (→P.152)

*¹: If equipped

*²: 12.3-inch display model

Common settings

- 1 Display the audio settings screen. (→P.151)
- 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.*¹ (→P.123)
- C** Select to display the image quality adjustment screen.*¹ (→P.124)
- D** Select to lock the system so passengers in the rear seats cannot operate the rear seat entertainment system.*²

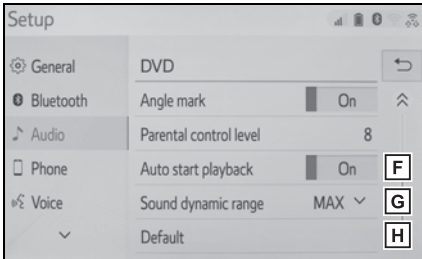
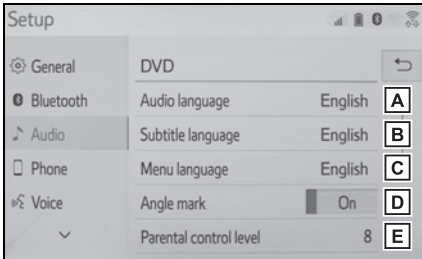
*¹: Depending on the audio source, some functions may not be available.

*²: Vehicle with the rear seat entertainment system

DVD settings*

*: 12.3-inch display model

- 1 Display the audio settings screen. (→P.151)
- 2 Select “DVD”.
- 3 Select the desired items to be set.



- A** Select to change the audio language. (→P.152)
- B** Select to change the subtitle language. (→P.152)
- C** Select to change the language of the DVD video menu. (→P.152)
- D** Select to set the angle mark on/off.
- E** Select to set the parental control level. (→P.153)
- F** Select to set the auto start play-

back on/off.

Discs that are inserted while the vehicle is in motion will automatically start playing. Certain discs may not play.

- G** Select to set a dynamic range. (→P.153)
- H** Select to initialize all menus.

Audio language

- 1 Select “Audio language”.
 - 2 Select the desired language to be heard.
- If the desired language to be heard cannot be found on this screen, select “Other” and enter a language code. (→P.153)

Subtitle language

- 1 Select “Subtitle language”.
 - 2 Select the desired language to be read.
- If the desired language to be read cannot be found on this screen, select “Other” and enter a language code. (→P.153)

Menu language

- 1 Select “Menu language”.
 - 2 Select the desired language to be read.
- If the desired language to be read cannot be found on this screen, select “Other” and enter

a language code. (→P.153)

Parental control level

- 1 Select "Parental control level".
- 2 Enter the 4-digit personal code.
- 3 Select a parental level (1-8).

Sound dynamic range

The difference between the lowest volume and the highest volume can be adjusted.

- 1 Select "Sound dynamic range".
- 2 Select "MAX", "MID" or "MIN".

Enter audio/subtitle/menu language

If "Other" on the "Audio language" screen, "Subtitle language" screen or "Menu language" screen is selected, the desired language to be heard or read can be selected by entering a language code.

- 1 Enter the 4-digit language code.
- 2 Select "OK".

Language codes list

Code	Language
0514	English
1001	Japanese
0618	French
0405	German
0920	Italian
0519	Spanish

Code	Language
2608	Chinese
1412	Dutch
1620	Portuguese
1922	Swedish
1821	Russian
1115	Korean
0512	Greek
0101	Afar
0102	Abkhazian
0106	Afrikaans
0113	Amharic
0118	Arabic
0119	Assamese
0125	Aymara
0126	Azerbaijani
0201	Bashkir
0205	Belorussian
0207	Bulgarian
0208	Bihari
0209	Bislama
0214	Bengali, Bangla
0215	Tibetan
0218	Breton
0301	Catalan
0315	Corsican
0319	Czech
0325	Welsh
0401	Danish
0426	Bhutani
0515	Esperanto

Code	Language
0520	Estonian
0521	Basque
0601	Persian
0609	Finnish
0610	Fiji
0615	Faroese
0625	Frisian
0701	Irish
0704	Scottish-Gaelic
0712	Galician
0714	Guarani
0721	Gujarati
0801	Hausa
0809	Hindi
0818	Croatian
0821	Hungarian
0825	Armenian
0901	Interlingua
0905	Interlingue
0911	Inupiak
0914	Indonesian
0919	Icelandic
0921	Inuktitut
0923	Hebrew
1009	Yiddish
1023	Javanese
1101	Georgian
1111	Kazakh
1112	Greenlandic
1113	Cambodian

Code	Language
1114	Kannada
1119	Kashmiri
1121	Kurdish
1125	Kirghiz
1201	Latin
1214	Lingala
1215	Laotian
1220	Lithuanian
1222	Latvian, Lettish
1307	Malagasy
1309	Maori
1311	Macedonian
1312	Malayalam
1314	Mongolian
1315	Moldavian
1318	Marathi
1319	Malay
1320	Maltese
1325	Burmese
1401	Nauru
1405	Nepali
1415	Norwegian
1503	Occitan
1513	(Afan) Oromo
1518	Oriya
1601	Punjabi
1612	Polish
1619	Pashto, Pushto
1721	Quechua
1813	Rhaeto-Romance

Code	Language
1814	Kirundi
1815	Romanian
1823	Kinyarwanda
1901	Sanskrit
1904	Sindhi
1907	Sango
1908	Serbo-Croatian
1909	Sinhalese
1911	Slovak
1912	Slovenian
1913	Samoan
1914	Shona
1915	Somali
1917	Albanian
1918	Serbian
1919	Siswati
1920	Sesotho
1921	Sundanese
1923	Swahili
2001	Tamil
2005	Telugu
2007	Tajik
2008	Thai
2009	Tigrinya
2011	Turkmen
2012	Tagalog
2014	Setswana
2015	Tongan
2018	Turkish
2019	Tsonga

Code	Language
2020	Tatar
2023	Twi
2107	Uighur
2111	Ukrainian
2118	Urdu
2126	Uzbek
2209	Vietnamese
2215	Volapük
2315	Wolof
2408	Xhosa
2515	Yoruba
2601	Zhuang
2621	Zulu

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.
 - Do not put anything other than an appropriate disc into the disc slot.

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 frequency, 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.

CD/DVD player and disc

- This CD/DVD player is intended for use with 12 cm discs only.
- Extremely high temperatures can keep the CD/DVD player from working. On hot days, use the air conditioning system to cool the inside of the vehicle before using the player.
- Bumpy roads or other vibrations may make the CD/DVD player skip.
- If moisture gets into the CD/DVD player, the discs may not be able to be played. Remove the discs from the player and wait until it dries.



WARNING

● The CD/DVD player uses an invisible laser beam which could cause hazardous radiation exposure if directed outside the unit. Be sure to operate the player correctly.

■ **Discs that can be used**

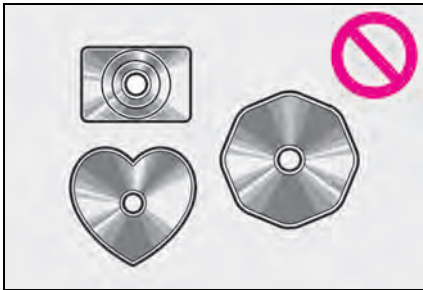
“DVD Logo” is a trademark of DVD Format/Logo Licensing Corporation.

<p>Audio CDs</p>	
<p>DVD video discs</p>	
<p>DVD-R/RW discs</p>	

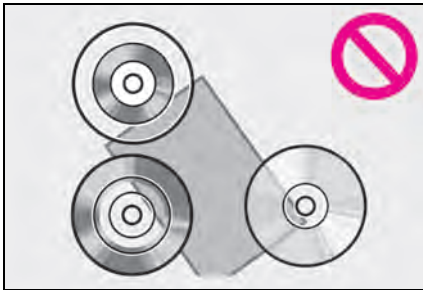
● Use only discs marked as shown above. The following products may not be playable on your player:

- SACD
- dts CD
- Copy-protected CD
- DVD-Audio
- Video CD
- DVD-RAM

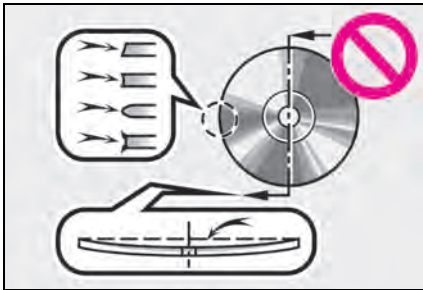
▶ Special shaped discs



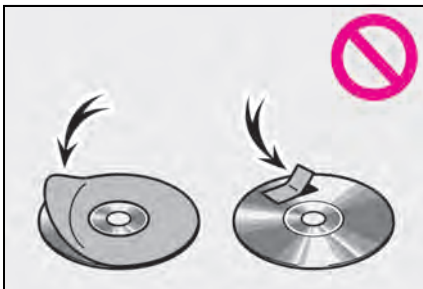
▶ Transparent/translucent discs




▶ Low quality discs

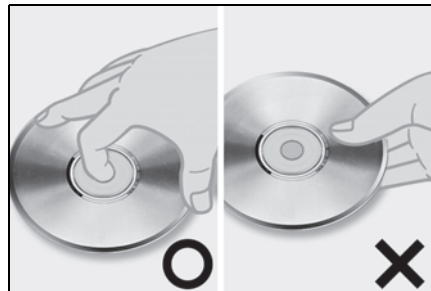


▶ Labeled discs



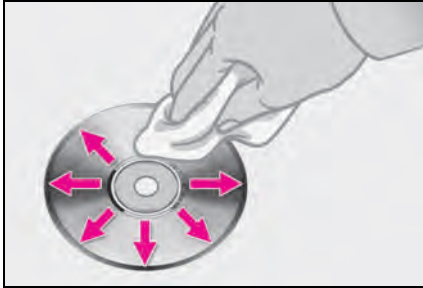
 NOTICE

- Do not use special shaped, transparent/translucent, low quality or labeled discs such as those shown in the illustrations. The use of such discs may damage the player, or it may be impossible to eject the disc.
- This system is not designed for use of Dual Discs. Do not use Dual Discs because they may cause damage to the player.
- Do not use discs with a protection ring. The use of such discs may damage the player, or it may be impossible to eject the disc.
- Do not use printable discs. The use of such discs may damage the player, or it may be impossible to eject the disc.



- Handle discs carefully, especially when inserting them. Hold them on the edge and do not bend them. Avoid getting fingerprints on them, particularly on the shiny side.
- Dirt, scratches, warping, pin holes or other disc damage could cause the player to skip or to repeat a section of a track. (To see a pin hole, hold the disc up to the light.)
- Remove discs from the players

when not in use. Store them in their plastic cases away from moisture, heat and direct sunlight.



To clean a disc: Wipe it with a soft, lint-free cloth that has been dampened with water. Wipe in a straight line from the centre to the edge of the disc (not in circles). Dry it with another soft, lint-free cloth. Do not use a conventional record cleaner or anti-static device.

■ CD-R/RW and DVD-R/RW discs

- CD-R/CD-RW discs that have not been subject to the “finalizing process” (a process that allows discs to be played on a conventional CD player) cannot be played.
- It may not be possible to play CD-R/CD-RW discs recorded on a music CD recorder or a personal computer because of disc characteristics, scratches or dirt on the disc, or dirt, condensation, etc. on the lens of the unit.
- It may not be possible to play discs recorded on a personal

computer depending on the application settings and the environment. Record with the correct format. (For details, contact the appropriate application manufacturers of the applications.)

- CD-R/CD-RW discs may be damaged by direct exposure to sunlight, high temperatures or other storage conditions. The unit may be unable to play some damaged discs.
- If you insert a CD-RW disc into the player, playback will begin more slowly than with a conventional CD or CD-R disc.
- Recordings on CD-R/CD-RW cannot be played using the DDCD (Double Density CD) system.









■ DVD video discs

This DVD player conforms to NTSC/PAL colour TV formats. DVD video discs conforming to another format such as SECAM cannot be used.

Region codes: Some DVD video discs have the following region code indicating which countries the DVD video disc can be played in on this DVD player. If you attempt to play an inappropriate DVD video disc on this player, error message appears on the screen. Even if the DVD video disc does not have a region code, there are cases when it cannot be used.

Code	Country
ALL	All countries
4	Australia, New Zealand

► Marks shown on DVD video discs

	Indicates NTSC/PAL format of colour TV.
	Indicates the number of audio tracks.
	Indicates the number of language subtitles.
	Indicates the number of angles.
	Indicates the screen to be selected.
	Wide screen: 16:9 Standard: 4:3
	Indicates a region code by which this video disc can be played.
	"ALL": in all countries Number: region code

■ DVD video disc glossary

DVD video discs: Digital Versatile Disc that holds video. DVD video discs have adopted "MPEG2", one of the world standards of digital compression technologies. The pic-

ture data is compressed by 1/40 on average and stored. Variable rate encoded technology in which the volume of data assigned to the picture is changed depending on the picture format has also been adopted. Audio data is stored using PCM and Dolby Digital, which enables higher quality of sound. Furthermore, multi-angle and multi-language features will also help users enjoy the more advanced technology of DVD video.

Viewer restrictions: This feature limits what can be viewed in conformity with a level of restrictions of the country. The level of restrictions varies depending on the DVD video disc. Some DVD video discs cannot be played at all, or violent scenes are skipped or replaced with other scenes.

- Level 1: DVD video discs for children can be played.
- Level 2 - 7: DVD video discs for children and G-rated movie can be played.
- Level 8: All types of the DVD video discs can be played.

Multi-angle feature: The same scene can be enjoyed from different angles.

Multi-language feature: The subtitle and audio language can be selected.

Region codes: The region codes are provided on DVD players and

DVD discs. If the DVD video disc does not have the same region code as the DVD player, you cannot play the disc on the DVD player. For region codes: (→P.159)

Audio: This DVD player can play linear PCM, Dolby Digital and MPEG audio format DVDs. Other decoded types cannot be played.

Title and chapter: Video and audio programs stored in DVD video discs are divided into parts by title and chapter.

Title: The largest unit of the video and audio programs stored on DVD video discs. Usually, one movie, one album, or one audio program is assigned as a title.

Chapter: A unit smaller than that of title. A title comprises of several chapters.

■ Certification

- Manufactured under license from Dolby Laboratories. Dolby, Dolby Audio and the double-D symbol are trademarks of Dolby Laboratories.

iPod/iPhone

■ Certification



▶ 9-inch display model

- 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

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)
- ▶ 12.3-inch display model
- 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

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 memory

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

Compatible file format (Audio)

USB	DISC
MP3/WMA/AAC/WAV(LPCM)/FLAC/ALAC/OGG Vorbis	MP3/WMA/AAC

Compatible file format (Video)

USB	DISC
WMV/AVI/MP4/M4V	—

Folders in the device

USB	DISC
Maximum 3000	Maximum 192

Files in the device

USB	DISC
Maximum 9999	Maximum 255

Files per folder

USB	DISC
Maximum 255	Maximum 999

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 ^{*1} (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 ^{*2}	8/11.025/12/16/22.05/24/32/44.1/48/88.2/96/176.4/192
FLAC ^{*2}	8/11.025/12/16/22.05/24/32/44.1/48/88.2/96/176.4/192
ALAC ^{*2}	8/11.025/12/16/22.05/24/32/44.1/48/64/88.2/96
OGG Vorbis ^{*2}	8/11.025/16/22.05/32/44.1/48

^{*1}: Only compatible with Windows Media Audio Standard

^{*2}: Sound source of 48kHz or more is down-converted to 48kHz/24bit.

Corresponding bit rates*1

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*2 (9.1/9.2)	CBR 48 - 320
AAC files: MPEG4/AAC-LC	8 - 320
OGG Vorbis	32 - 500

*1: Variable Bit Rate (VBR) compatible

*2: 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

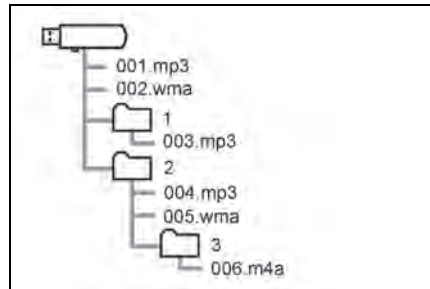
- MP3 (MPEG Audio Layer 3), WMA (Windows Media Audio) and AAC (Advanced Audio Coding) are audio compression standards.
- This system can play MP3/WMA/AAC files on CD-R/CD-RW/DVD-R/DVD-RW discs and MP3/WMA/AAC files on USB memory.
- This system can play disc recordings compatible with ISO 9660 level 1 and level 2 and with the Romeo and Joliet file system and UDF (2.01 or lower).
- 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.
- This system can play only the first session/border when using multi session/border compatible discs.
- 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. In order to achieve a reasonable level of sound quality, discs recorded with a bit rate of at least 128 kbps are recommended.
- 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 discs containing numerous levels of folders. For this reason, we recommend creating discs with no more than 2 levels of folders.



- The play order of the compact disc 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: <ul style="list-style-type: none"> • H.264/MPEG-4 AVC • MPEG4 Audio codec: <ul style="list-style-type: none"> • AAC • MP3 Corresponding screen size: <ul style="list-style-type: none"> • MAX 1920×1080 Corresponding frame rate: <ul style="list-style-type: none"> • MAX 60i/30p

Format	Codec
AVI Container	Video codec: <ul style="list-style-type: none"> • H.264/MPEG-4 AVC • MPEG4 • WMV9 • WMV9 Advanced profile Audio codec: <ul style="list-style-type: none"> • AAC • MP3 • WMA9.2 (7, 8, 9.1, 9.2) Corresponding screen size: <ul style="list-style-type: none"> • MAX 1920×1080 Corresponding frame rate: <ul style="list-style-type: none"> • MAX 60i/30p
Windows Media Video	Video codec: <ul style="list-style-type: none"> • WMV9 • WMV9 Advanced profile Audio codec: <ul style="list-style-type: none"> • WMA9.2 (7, 8, 9.1, 9.2) Corresponding screen size: <ul style="list-style-type: none"> • MAX 1920×1080 Corresponding frame rate: <ul style="list-style-type: none"> • MAX 60i/30p

Terms

■ **Packet write**

- This is a general term that describes the process of writing data on-demand to CD-R, etc., in the same way that data is written

to floppy or hard discs.

■ 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.

■ ISO 9660 format

- This is the international standard for the formatting of CD-ROM folders and files. For the ISO 9660 format, there are 2 levels of regulations.
- Level 1: The file name is in 8.3 format (8 character file names, with a 3 character file extension. File names must be composed of one-byte capital letters and numbers. The “_” symbol may also be included.)
- Level 2: The file name can have

up to 31 characters (including the separation mark “.” and file extension). Each folder must contain fewer than 8 hierarchies.

■ 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.
- Windows Media is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.

▶ 9-inch display model

- 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.

▶ 12.3-inch display model

- 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.

■ MPEG4

- This product is licensed under the MPEG-4 patent portfolio license, AVC patent portfolio license and VC-1 patent portfolio license for the personal use of a consumer or other uses in which it does not receive remuneration to
 - encode video in compliance with the MPEG-4 Visual Standard, AVC Standard and VC-1 Standard (“MPEG-4/AVC/VC-1 Video”) and/or
 - decode MPEG-4/AVC/VC-1 Video that was encoded by a consumer engaged in a personal activity and/or was obtained from a video provider licensed to provide MPEG-4/AVC/VC-1 Video. No license is granted or shall be implied for any other use. Additional information may be obtained from MPEG LA, L.L.C. See <http://www.mpegla.com>.

Error messages

■ CD/DVD

Message	Explanation
“No music files found”	This indicates that no MP3/WMA/AAC files are included in the disc.
“Check disc”	It indicates that the disc is dirty, damaged, or it was inserted upside down. Clean the disc or insert it correctly. It indicates a disc which is not playable is inserted.
“DISC error”	There is a trouble inside the system. Eject the disc.
“Region code error”	It indicates that the DVD region code is not set properly.

■ USB

Message	Explanation
“Problem with USB”	This indicates a problem in the USB memory or its connection.

Message	Explanation
“No music files found.”	This indicates that no compatible files are included in the USB memory.
“No video files found.”	This indicates that no video files are included in the USB memory.

- If the malfunction is not rectified, take your vehicle to your Toyota dealer.

■ iPod

Message	Explanation
“Problem with iPod”	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.
“Check the iPod firmware version.”	This indicates that the firmware version is not compatible. Perform the iPod firmware updates and try again.
“iPod authorisation could not be completed.”	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.

Rear seat entertainment system features*

*: If equipped

The rear seat entertainment system is designed for the rear passengers to enjoy audio/visual system separately from the front audio/visual system.

Rear passengers can enjoy different audio sources on each display.

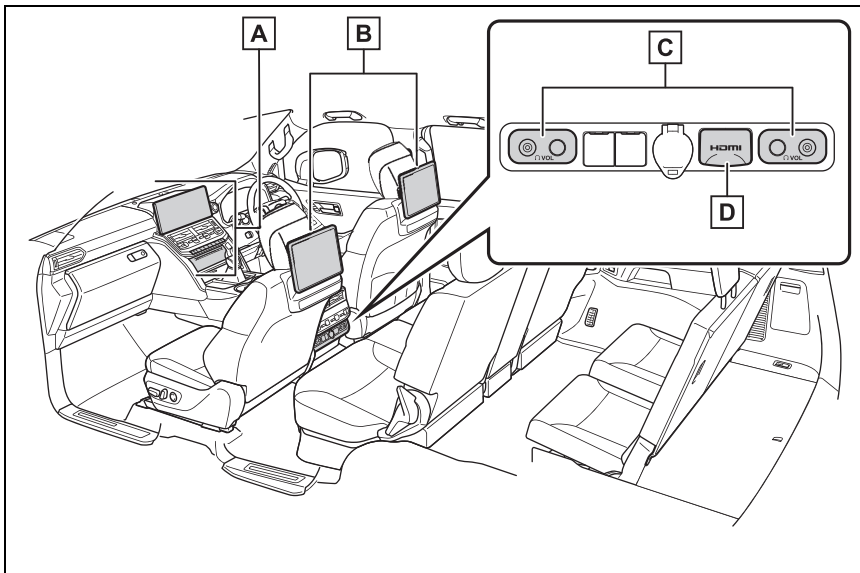
The system can be used when the engine switch is in ACC or ON.

Function index

The following operations can be performed:

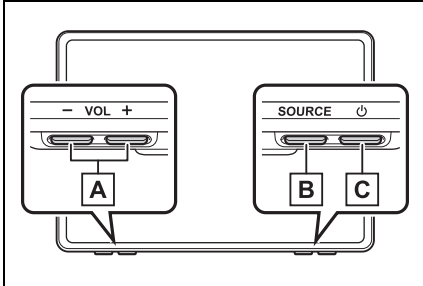
- Touch panel operation (→P.173)
- Connecting a device to rear HDMI port (→P.172)
- Selecting the audio output mode (→P.173)
- Operating the rear seat entertainment system from the front seats (→P.175)
- Rear seat entertainment system operation (→P.177)
- Rear seat entertainment system settings (→P.192)
- Tips for operating the rear seat entertainment system (→P.194)

Overview



- A** Front audio/visual system
- B** Rear display
- C** Headphone volume control dials and headphone jacks
- D** HDMI port

Rear Display

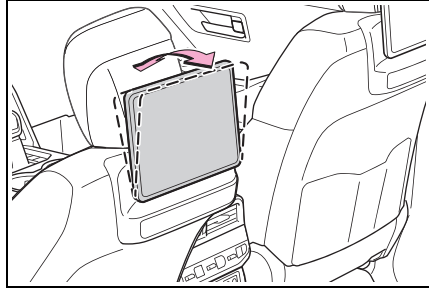


- A** Volume control buttons *
- B** "SOURCE" button
 - Press to display the source selection screen. (→P.174)
 - Press and hold to display the rear seat entertainment system settings screen. (→P.192)
- C** Power button (→P.172)

*: When the audio output mode is in Share mode (→P.173)

Tilting the display

When the display is hard to be seen, the display can be tilted.



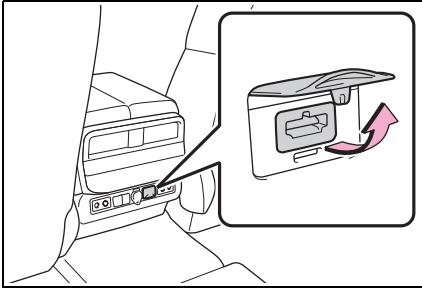
- The display angle can be adjusted between -5 degrees to 30 degrees.

! WARNING

- When adjusting the angle of the rear display, be careful not to catch a hand, etc. on the rear display as doing so may cause an injury or the rear display to malfunction.
- There is a possibility of burning your hands, etc. when tilting the display, as the display can become hot when the vehicle is left for long periods of time in hot weather.

HDMI port

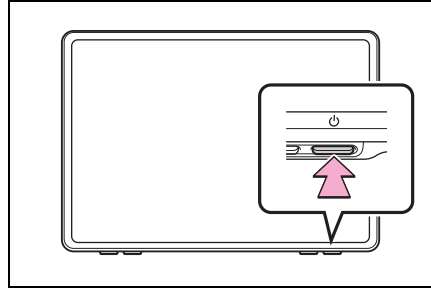
- 1 Open the cover and connect audio/visual equipment to the HDMI port.



Some basics

Turning on/off the rear seat entertainment system

- 1 Press the power button.

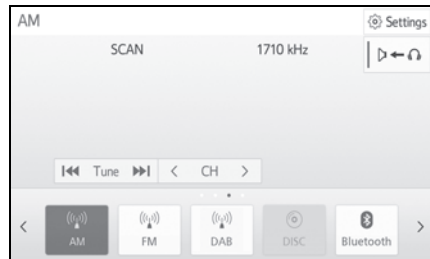


- The rear seat entertainment system can be turned on/off on the front audio/visual system screen. (→P.175)

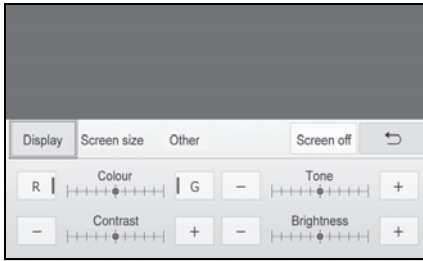
Turning on/off the rear display

The rear display can be turned off on the rear seat entertainment system settings screen.

- 1 Select “Settings” or press and hold the “SOURCE” button on the rear seat entertainment system.



2 Select "Screen off".




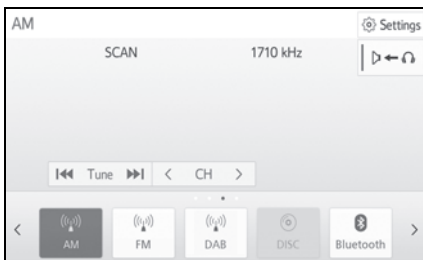
- To turn the display back on, touch anywhere on the screen or press the "SOURCE" button on the rear seat entertainment system.

Operating the switches displayed on the rear display

The rear seat entertainment system can be operated by touching the switches displayed on the rear display directly.

Changing audio output mode

- 1 Each time  is selected, the audio output mode is changed.



■ Share mode (indicator on)

The rear seat entertainment system

operation will be linked with the front audio/visual system.

Audio for the rear seat entertainment system can be listened to using speakers or headphones.

■ Separate mode (indicator off)

Different content than the front audio/visual system can be output.

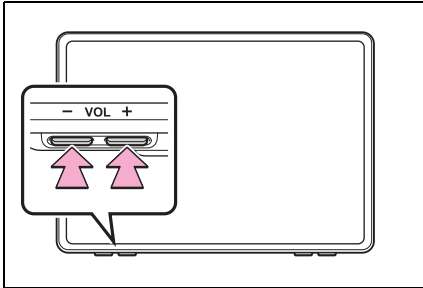
For example, if the front audio/visual system is being used to listen to the radio, the rear seat entertainment system can be used to listen to a CD.

If a different source is selected for the front audio/visual system, audio for the rear seat entertainment system can only be listened to using headphones.

- If the front audio/visual system and rear seat entertainment system are set to the same source, they cannot be operated independently.
- The audio output mode can be changed from the front seat. (→P.175)

Adjusting speaker volume

- 1 Press volume control buttons on the rear seat entertainment system.

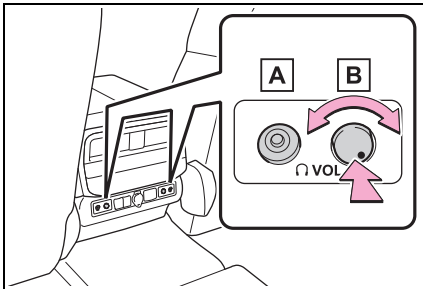


- Speaker volume can be adjusted when the audio output mode is in share mode (→P.173)

Using headphones

For the rear seat entertainment system, aftermarket headphones can be used to listen to audio. If a different source is selected for the front audio/visual system, audio for the rear seat entertainment system can only be listened to using headphones.

Wired headphones can be used.



- A** Headphones jack

- Connect a pair of headphones to the jack.

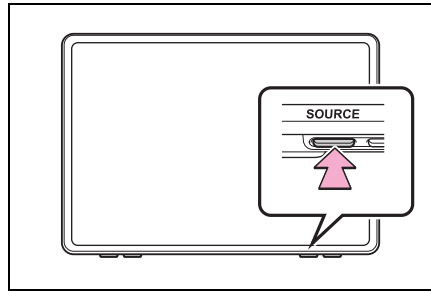
B Volume knob

- Push and then turn clockwise/counterclockwise to increase/decrease the volume.

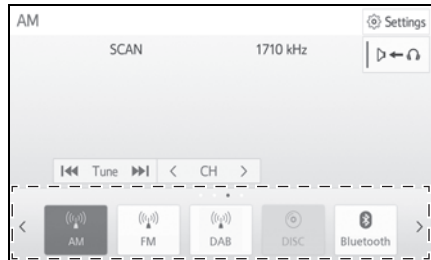
Selecting an audio source

Different media sources can be selected for the rear right and left side displays, respectively.

- 1 Press the “SOURCE” button.



- 2 Select the desired source.



Audio/visual source	Button	Page
AM/FM/DAB* ¹	“AM”, “FM”, “DAB”	177
Audio CD MP3/WMA/AAC disc	“DISC”	178
DVD	“DISC”	179
USB audio/video	“USB” (Device name)	182
iPod/iPhone (Apple CarPlay* ²)	“iPod” (Device name)	183
Android Auto* ²	“Android Auto”	184
Bluetooth® audio	“Bluetooth”	185
HDMI	“Rear-HDMI”	186
DLNA	“Rear-DLNA”	187
Miracast®	“Rear-Miracast™”	190
SmartDeviceLink™ Apps* ^{1, 2}	“Apps”	185

*¹: If equipped

*²: This function is not made available in some countries or areas.

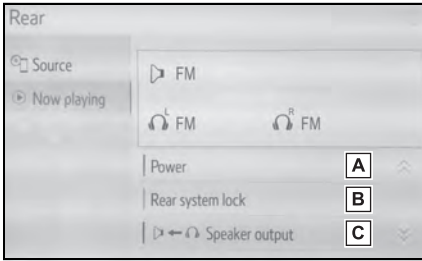
- If the selected source is currently being received or played on the front audio/visual system, the same content will be output by the rear seat entertainment system.
- The following sources cannot be used separately for the left and right rear display:
 - Rear-DLNA
 - Rear-Miracast®
- The following sources cannot be used if a device is connected via Bluetooth® to the front audio/visual system for the hands-free system or another function.
 - Rear-DLNA
 - Rear-Miracast®
- Wi-Fi® and Bluetooth® based sources cannot be used simultaneously for the left and right rear display.

- Wi-Fi® connections and Bluetooth® connections cannot be used simultaneously, as they may cause interference with each other. For example, a device cannot be connected to the rear seat entertainment system for the rear-DLNA or rear-Miracast® function if another device is connected to the front audio/visual system as a Bluetooth® audio device or for the hands-free system.

Operating the rear seat entertainment system from the front seats

- 1 Display the audio source selection screen. (→P.120)
- 2 Select “Rear”.

- 3 Select the desired button.



- A** Select to turn the rear seat entertainment system on/off.
- B** Select to lock the system so passengers in the rear seats cannot operate the rear seat entertainment system.
- C** Select to play the rear seat entertainment system over the speakers in the vehicle. Select "Right" or "Left" to select for which screen sound will be output.

AM/FM/DAB* radio

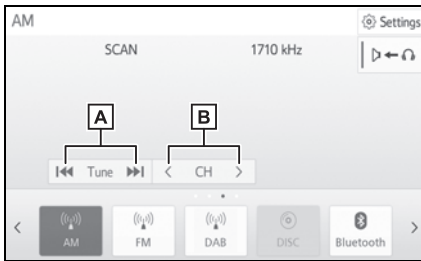
*: If equipped

The radio operation screen can be reached by the following method:

- Select “AM”, “FM” or “DAB” on the audio source selection screen. (→P.174)

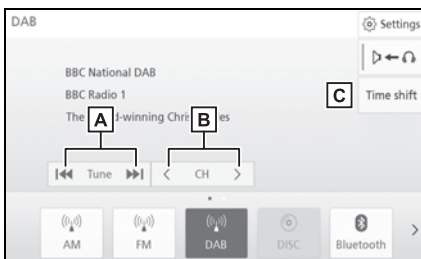
Rear display

■ Control screen (AM/FM radio)



- A** Select to adjust the frequency. Select and hold to seek for receivable stations.
- B** Select to select a preset station.

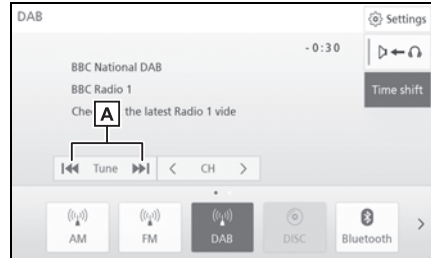
■ Control screen (DAB)



- A** Select to seek for services. Select and hold for continuous seek.

- B** Select to select a preset station.
- C** Select to display the time shift control screen. (→P.177)

■ Time shift control screen (DAB)



- A** Select to jump forward/backward by 10 seconds. Select and hold to fast forward/rewind continuously.


CD

Audio CD and MP3/WMA/AAC discs can be played on this system.

The disc operation screen can be reached by the following method:

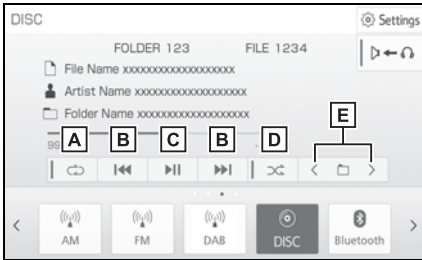
- Select "DISC" on the audio source selection screen. (→P.174)

- ▶ MP3/WMA/AAC disc
 - file repeat → folder repeat → off*¹
 - file repeat → off*²
- *¹: When random playback is off
- *²: When random playback is on

- Each time  is selected, the mode changes as follows:
 - ▶ Audio CD
 - random (1 disc random) → off
 - ▶ MP3/WMA/AAC disc
 - random (1 folder random) → folder random (all folder random) → off


Rear display

■ **Control screen**



- A** Select to set repeat playback.
- B** Select to select a track/file.
Select and hold to fast forward/rewind.
- C** Select to play/pause.
- D** Select to set random playback.
- E** Select to select a folder.*

*: MP3/WMA/AAC disc only

-
- Each time  is selected, the mode changes as follows:
 - ▶ Audio CD
 - track repeat → off

DVD

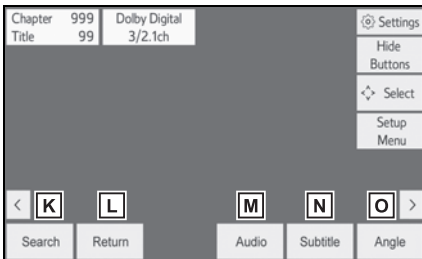
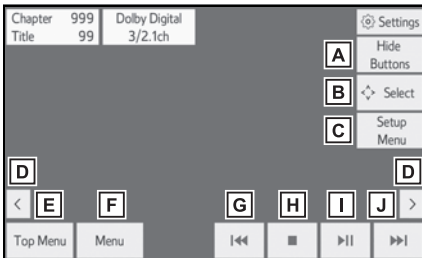
The disc operation screen can be reached by the following method:

- Select “DISC” on the audio source selection screen. (→P.174)

Rear display

■ Option screen

- 1 Touch anywhere on the screen to display the option screen.



- A** Select to turn off the option screen.
- B** Select to display the cursor operation screen.
- C** Select to display the initial setup screen. (→P.180)
- D** Select to display the next or pre-

vious page.

- E** Select to display the top menu screen.
- F** Select to display the menu screen.
- G** Select to select a chapter. Select and hold to fast rewind.
- H** Select to stop.
- I** Select to play/pause.
- J** Select to select a chapter. During playback: Select and hold to fast forward. During a pause: Select and hold to slow forward.
- K** Select to search for a title. (→P.179)
- L** Select to return to a predetermined scene.
- M** Select to change the audio language. (→P.180)
- N** Select to change the subtitle language. (→P.180)
- O** Select to change the angle. (→P.180)

Searching for a title or chapter

- 1 Select “Search”.
 - 2 Enter the title number, and select “OK”.
- The player starts playing video for that title number.

Changing the audio language

The audio language can be changed for discs with multiple audio languages.

- 1 Select "Audio".
- 2 Each time "Audio" is selected, another language available on the disc is selected.

- The languages available are restricted to those available on the disc.

Changing the subtitle language

The subtitle language can be changed for discs with multiple subtitle languages.

- 1 Select "Subtitle".
- 2 Each time "Subtitle" is selected, another language available on the disc is selected.

- The languages available are restricted to those available on the disc.
- When "Hide" is selected, the subtitles can be hidden.

Changing the angle

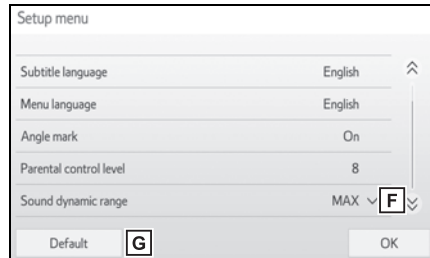
The angle can be selected for discs that are multi-angle compatible when the angle mark appears on the screen.

- 1 Select "Angle".
- 2 Each time "Angle" is selected, the angle is changed.

- The angles available are restricted to those available on the disc.

Initial setup

- 1 Select "Setup Menu".
- 2 Select the items to be set.



- A** Select to change the initial audio language. (→P.181)
- B** Select to change the initial subtitle language. (→P.181)
- C** Select to change the initial language of the disc menu. (→P.181)
- D** Select to set the angle mark on/off.
- E** Select to set the parental control level. (→P.181)
- F** Select to set a dynamic range. (→P.181)

G Select to initialize all menus.

3 Select "OK".

Audio language

- 1 Select "Audio language".
 - 2 Select the desired language to be heard.
- If the desired language to be heard cannot be found on this screen, select "Other" and enter a language code. (→P.153)

Subtitle language

- 1 Select "Subtitle language".
 - 2 Select the desired language to be read.
- If the desired language to be read cannot be found on this screen, select "Other" and enter a language code. (→P.153)

Menu language

- 1 Select "Menu language".
 - 2 Select the desired language to be read.
- If the desired language to be read cannot be found on this screen, select "Other" and enter a language code. (→P.153)

Parental control level

- 1 Select "Parental control level".
- 2 Enter the 4-digit personal code.

3 Select a parental level (1-8).

Sound dynamic range

The difference between the lowest and highest sound volumes can be adjusted.

- 1 Select "Sound dynamic range".
- 2 Select the desired item.

"MAX": Maximum dynamic range

"MID": Standard dynamic range

"MIN": Minimum dynamic range

USB memory

USB audio/video can be played on this system.

The USB memory operation screen can be reached by the following method:

- Select “USB” (Device name) on the audio source selection screen. (→P.174)

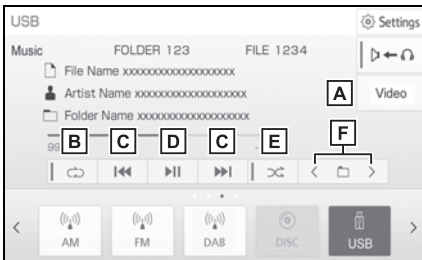
When an Apple CarPlay/Android Auto connection is established, this function will be unavailable.*

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

Rear display

■ Rear menu screen

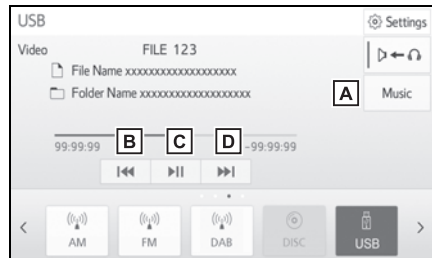
▶ USB audio



- A** Select to display the video screen.
- B** Select to set repeat playback.
- C** Select to select a file/track. Select and hold to fast forward/rewind.
- D** Select to play/pause.

- E** Select to set random playback.
- F** Select to select a folder/album.

- 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
 - Each time is selected, the mode changes as follows:
 - random (1 folder/album random) → folder/album random (all folder/album random) → off
 - ▶ USB video
- 1 Press the “SOURCE” button on the rear seat entertainment system.

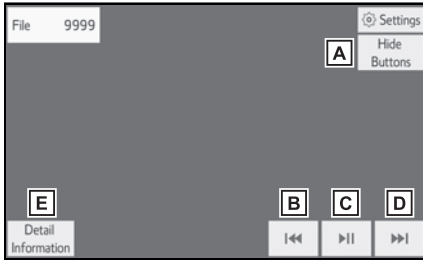


- A** Select to display the audio screen.
- B** Select to select a file. Select and hold to fast rewind.
- C** Select to play/pause.
- D** Select to select a file. During playback: Select and hold to fast forward. During a pause: Select and hold to slow forward.

■ Option screen

▶ USB video

- 1 Touch anywhere on the screen to display the option screen.



- A** Select to turn off the option screen.
- B** Select to select a file.
Select and hold to fast rewind.
- C** Select to play/pause.
- D** Select to select a file.
During playback: Select and hold to fast forward.
During a pause: Select and hold to slow forward.
- E** Select to display the detail information.

iPod/iPhone (Apple CarPlay*)

iPod audio can be played on this system.

This function will be available only when the audio output mode is in Share mode while an Apple CarPlay connection is established. (→P.173)

The iPod/iPhone operation screen can be reached by the following method:

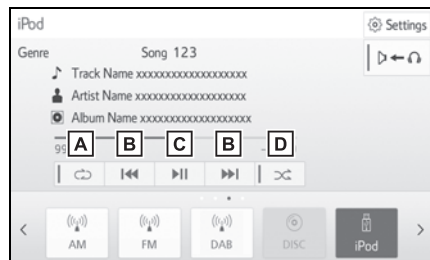
- Select "iPod" (Device name) on the audio source selection screen. (→P.174)

When an Android Auto connection is established, this function will be unavailable.*

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



Rear display

■ Rear menu screen



- A** Select to set repeat playback.
- B** Select to select a track.
Select and hold to fast forward/rewind.

- C** Select to play/pause.
- D** Select to set shuffle playback.

- 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
- Each time  is selected, the mode changes as follows:
 - shuffle (1 album shuffle) → album shuffle (all album shuffle) → off
- Some functions may not be available depending on the type of model.

Android Auto *

This function will be available only when the audio output mode is in Share mode while an Android Auto connection is established. (→P.173)

The Android Auto operation screen can be reached by the following method:

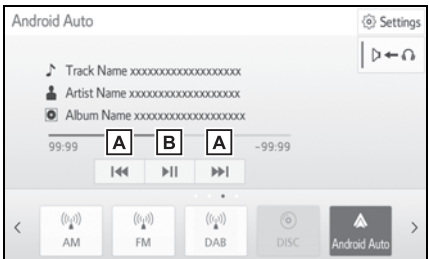
- Select “Android Auto” on the audio source selection screen. (→P.174)

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

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

Rear display

■ Rear menu screen



- A** Select to select a track.
- B** Select to play/pause.

SmartDeviceLink™ Apps*

The SmartDeviceLink™ Apps operation screen can be reached by the following method:

- Select “Apps” on the audio source selection screen. (→P.174)

Each time “Apps” is selected, the displayed application will be changed.

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

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

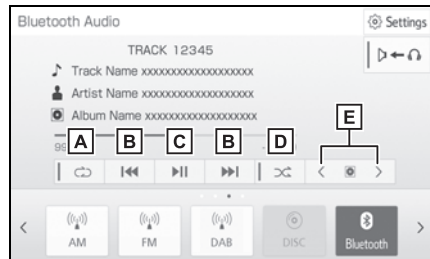
Bluetooth® audio

The Bluetooth® audio operation screen can be reached by the following method:

- Select “Bluetooth” on the audio source selection screen. (→P.174)

Rear display

■ Rear menu screen



A Select to set repeat playback.

B Select to select a track.
Select and hold to fast forward/rewind.

C Select to play/pause.

D Select to set random playback.

E Select to select an album.

- Each time is selected, the mode changes as follows:

- track repeat → album repeat → off

- Each time is selected, the mode changes as follows:

- random (1 album random) → album random (all album random) → off

- Depending on the type of portable player connected, some functions

may not be available.

External devices

The rear seat entertainment system plays videos and sound when audio/visual equipment is connected to the HDMI input port.

The external devices operation screen can be reached by the following method:

- Select "Rear-HDMI" on the audio source selection screen.
(→P.174)

Rear-DLNA

To use the rear-DLNA function, a device with a DLNA server application installed must be connected.

Devices (smartphone, etc.) with a DLNA server application can stream video/music/photos to the rear seat entertainment system via Wi-Fi®.

The rear-DLNA operation screen can be reached by the following method:

- Select “Rear-DLNA” on the audio source selection screen. (→P.174)
-
- If a connected device is taken out of the Wi-Fi® connection area, the connection will be severed.
 - If the vehicle is driven out of the cellular communication coverage area, connecting to the internet via the Wi-Fi® will not be possible.
 - If a Bluetooth® device is used while a device is connected using the Wi-Fi® function, the communication speed may decrease.
 - Depending on the environment in which the access point is used, the communication speed may be low or communication may not be possible.
 - The Wi-Fi® networks serve best-effort traffic.
 - When the rear-DLNA function is used, some functions of the connected device, such as its internet connection, may not be available. For details, refer to the owner’s manual for the device.
 - If a device is connected via Bluetooth® to the front audio/visual system for the hands-free system or another function, the rear-DLNA function will not be available, as any Wi-Fi® connections to the rear seat entertainment system will be severed.
 - DLNA®, the DLNA Logo and DLNA CERTIFIED® are trademarks, service marks, or certification marks of the Digital Living Network Alliance.

WARNING

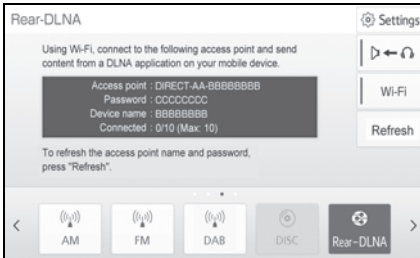
- Use Wi-Fi® devices only when safe and legal to do so.
- Your audio unit is fitted with Wi-Fi® antennas. People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the 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.
- Do not operate the smartphone’s controls or connect the smartphone to the system while driving.

**NOTICE**

- Do not leave your smartphone in the vehicle. In particular, high temperatures inside the vehicle may damage the smartphone.

Connecting to the system

- 1 Select “Rear-DLNA” on the audio/visual source selection screen. (→P.174)
- 2 Check that “Wi-Fi*” is on.



- 3 Connect a device to the rear seat entertainment system via Wi-Fi®.
- 4 Operate the device to stream video/music/photos.

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

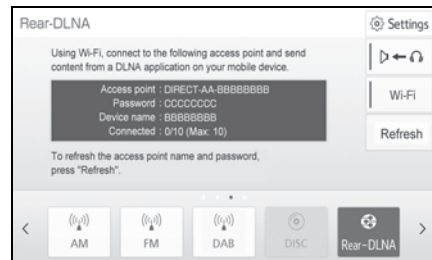
- DLNA streaming will stop in the following situations:
 - The DLNA connection is turned off on the device.
 - The Wi-Fi® function is turned off.
 - The rear seat entertainment system source is changed to different source. (→P.174)

Changing the access point name and password

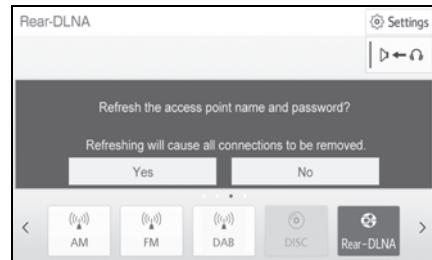
After a device has been connected to the vehicle Wi-Fi® access point once, the access point information will remain on the device, enabling it automatically connect the next time the device is brought within access point range, unless the access point name or password is changed.

To change the access point name and password, select “Refresh”. If changed while a device is connected to the access point, the connection will be canceled.

- 1 Select “Refresh”.



- 2 Select “Yes”.



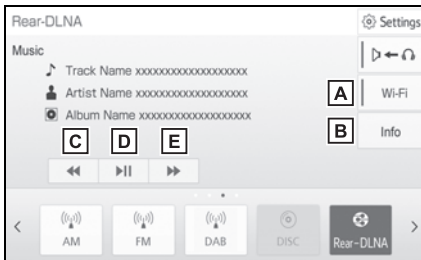
- The Wi-Fi® access point name and password can only be changed after “Refresh” is selected. (The settings will be retained when the engine

switch is turned off then on.)

- If the automatic connection of a previously connected device is not desired, perform any of the following:
 - Select “Refresh” on the system screen.
 - Turn the system to another mode.
 - Disable the Wi-Fi® connection of the system.
 - Disable the Wi-Fi® connection of the device.

Rear display

Rear menu screen



- A** Select to turn on/off the Wi-Fi® function.
- B** Select to display Wi-Fi® system information
- C** Select and hold to fast rewind.
- D** Select to play/pause.
- E** Select and hold to fast forward.
During a pause: Select and hold to slow forward.*

*: Video only

Option screen

▶ Video

- 1 Touch anywhere on the screen to display the option screen.



- A** Select to turn off the option screen.
- B** Select and hold to fast rewind.
- C** Select to play/pause.
- D** During playback: Select and hold to fast forward.
During a pause: Select and hold to slow forward.

Rear-Miracast[®]

Miracast[®] compatible devices (smartphone, etc.)^{*} can stream video and audio to the rear seat entertainment system via Wi-Fi[®].

This function is not available if the smartphone is not certified by Wi-Fi Alliance[®] as Miracast[®] device.

The rear-Miracast[®] operation screen can be reached by the following method:

- Select “Rear-Miracast[™]” on the audio source selection screen. (→P.174)

^{*}: With Android OS version 4.4 or later

- Wi-Fi[®] and Miracast[®] are registered trademarks of Wi-Fi Alliance[®].
- If a connected device is taken out of the Wi-Fi[®] connection area, the connection will be severed.
- If the vehicle is driven out of the cellular communication coverage area, connecting to the internet via the Wi-Fi[®] will not be possible.
- If a Bluetooth[®] device is used while a device is connected using the Wi-Fi[®] function, the communication speed may decrease.
- Depending on the environment in which the access point is used, the communication speed may be low or communication may not be possible.
- The Wi-Fi[®] networks serve best-effort traffic.

- If a device is connected via Bluetooth[®] to the front audio/visual system for the hands-free system or another function, the Miracast[®] function will not be available, as any Wi-Fi[®] connections to the rear seat entertainment system will be severed.

WARNING

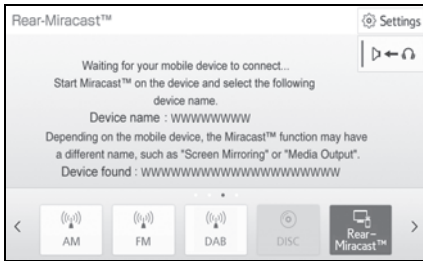
- Use Wi-Fi[®] devices only when safe and legal to do so.
- Your audio unit is fitted with Wi-Fi[®] antennas. People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and 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.
- Do not operate the smartphone's controls or connect the smartphone to the system while driving.

NOTICE

- Do not leave your smartphone in the vehicle. In particular, high temperatures inside the vehicle may damage the smartphone.

Connecting to the system

- 1 Select "Rear-Miracast™" on the audio/visual source selection screen. (→P.174)



- 2 Activate Miracast® on the device and set it to output to the rear seat entertainment system.

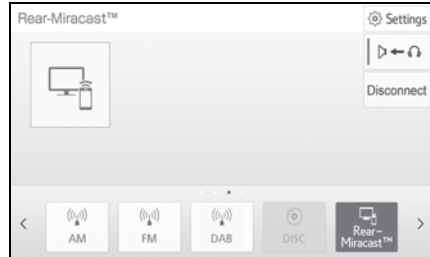
- Miracast® streaming will stop in the following situations:
 - The Miracast® function of the connected device is turned off.
 - Select "Disconnect" on the rear-Miracast® operation screen.
 - The rear seat entertainment system source is changed to a different source. (→P.174)

Rear display

During Miracast® connection, the connected device can be operated by touching the rear display directly.

Disconnecting from the system

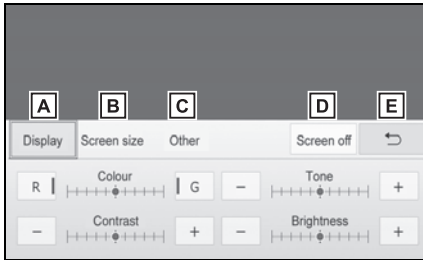
- 1 Select "Disconnect".



Rear seat entertainment system settings

Displaying the settings screen

- 1 Select "Settings" or press and hold the "SOURCE" button on the rear seat entertainment system.
- 2 Select the desired tab to be set.



- A Select to adjust the screen. (→P.192)
- B Select to change the screen size. (→P.192)
- C Select to display the screen settings. (→P.193)
- D Select to turn the rear display off. (→P.172)
- E Select to hide the settings screen.

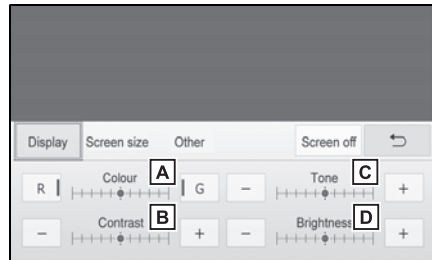
● Depending on the audio source, some functions may not be available.

Adjusting the screen

The screen image quality, such as the brightness and contrast levels,

can be adjusted. Adjustable items depend on the selected input source.

- 1 Display the settings screen. (→P.192)
- 2 Select the "Display" tab.
- 3 Select the desired item to be set.



- A Select to strengthen the red or green color.
- B Select to weaken or strengthen the contrast.
- C Select to weaken or strengthen the tone.
- D Select to darken or brighten the screen.

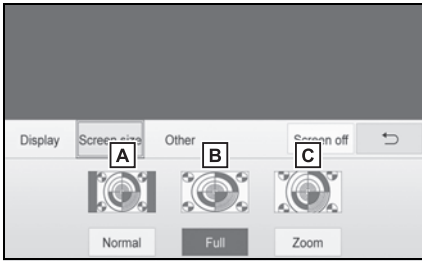
● Depending on the audio source, some functions may not be available.

Changing the screen size

The screen size can be changed for each input mode individually.

- 1 Display the settings screen. (→P.192)
- 2 Select the "Screen size" tab.

- 3 Select the desired screen size.

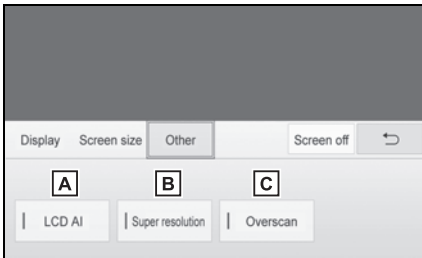


- A** Select to display the screen at the original ratio.
- B** Select to widen the 4:3 aspect screen horizontally to fill the screen.
- C** Select to enlarge the image by the same ratio horizontally and vertically.

- Depending on the source, some functions may not be available.

Changing the screen settings

- 1 Display the settings screen. (→P.192)
- 2 Select the “Other” tab.
- 3 Select the desired item to be set.



- A** Select to turn on/off the “LCD AI”. The “LCD AI” automatically

determines the tone of the video image and sets the contrast to an optimum level, displaying a sharp image.

- B** Select to turn the “Super resolution” function on/off. When turned on, the “Super resolution” function enhances image quality to deliver a feeling of a higher resolution image.
- C** Select to turn the “Overscan” function on/off.* When turned on, this function hides image distortion at the edge of the screen. (Part of the image may be cut off.)

*: Rear-HDMI only

Operating information

Rear display




NOTICE

- Cleaning the rear display: Wipe the rear display with a dry soft cloth. If the screen is wiped with a rough cloth, the surface of the screen may be scratched.

Caution screen

A caution screen appears for a few seconds when the rear seat entertainment system turns on.

When  appears on the screen

 indicates that the selected icon cannot be used at this time.

Volume

- Adjust the volume when you connect the headphone to the jack. Loud sounds may have a significant impact on the human body.
- Conversational speech on some DVDs is recorded at a low volume to emphasize the impact of sound effects. If you adjust the volume assuming that the conversations represent the maximum volume level that the DVD will play, you may be startled by louder sound effects or when you change to a different audio

source. Be sure to adjust the volume with this in mind.

DLNA

Compatibility

Compatible files

Music file format	MP3/WMA/AAC file types: →P.194
Video file format	MPEG-4 Video, H.264/AVC Video (.mp4/.m4v), MPEG-2 Video (.mpg), Windows Media Video (.wmv), AVI container (.avi), M2TS (.m2ts), 3GP (.3gp)
Photo file format	JPEG (Gray scale JPEG and Motion JPEG are not supported.)
Pixel size (photo)	Between 1 × 1 and 8192 × 8192 pixels

About MP3/WMA/AAC files and compatibility

MP3 (MPEG Audio LAYER3), WMA (Windows Media Audio) and AAC (Advanced Audio Coding) is a standard audio compression format.

There is a limit to the MP3, WMA and AAC file standards and to the media/formats recorded by them that can be used.

MP3 file compatibility

Compatible standards	MP3 (MPEG1 LAYER3, MPEG2 LSF LAYER3)
Compatible sampling frequencies	MPEG1 LAYER3: 32/44.1/48 (kHz) MPEG2 LSF LAYER3: 16/22.05/24 (kHz)
Compatible bit rates	MPEG1 LAYER3: 32-320 (kbps) MPEG2 LSF LAYER3: 8-160 (kbps) (compatible with VBR)
Compatible channel modes	stereo, joint stereo, dual channel and mono
ID3 tags	ID3 Ver. 1.0, 1.1, 2.2, 2.3 (The number of characters is based on ID3 Ver. 1.0 and 1.1.)

WMA file compatibility

Compatible standards	WMA Ver. 7, 8, 9 (9.1/9.2)
Compatible sampling frequencies	8/11.025/16/22.05/32/44.1/48 (kHz)
Compatible bit rates	Ver. 7, 8, 9 (9.1/9.2): CBR 5-320 (kbps) (only compatible with 2-channel playback) (compatible with VBR)

AAC file compatibility

Compatible standards	MPEG2/AAC-LC, MPEG4/AAC-LC (ADIF is not supported)
Compatible sampling frequencies	ADTS (MPEG2 AAC): 16/22.05/24/32/44.1/48 (kHz) MP4 (MPEG4 AAC): 16/22.05/24/32/44.1/48 (kHz)
Compatible bit rates	ADTS (MPEG2 AAC): 8-384 (kbps) MP4 (MPEG4 AAC): 8-384 (kbps) (compatible with VBR)
Compatible channel modes	ADTS (MPEG2 AAC): 1/0, 2/0, 3/0, 2/1, 2/2, 3/1, 3/2.1 MP4 (MPEG4 AAC): 1/0, 2/0, 3/0, 2/1, 2/2, 3/1, 3/2.1
AAC tags	ADTS(MPEG2 AAC) ID3 v1, v2 MP4(MPEG4 AAC) Obtained from MP4 container metadata box

HDMI port

The volume can be adjusted using the vehicle's audio controls. All other operations must be made on the audio/visual equipment itself.

For details about operation of audio/visual equipment, refer to the manufacturer's instructions.

- HDMI compatible format
- Compatible video signal: 480p, 576p,

720p, VGA

- Compatible sound signal: LPCM 2ch



NOTICE

- When the HDMI port is not in use: Keep the HDMI port cover closed. Inserting anything other than an appropriate plug may cause electrical failure or a short circuit.

Text information display

There are limits to the number of characters that can be displayed as information on each screen. As a result, the system may not be able to display all of the information. In addition, there are cases where information is not displayed properly or cannot be displayed depending on the stored content.

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DES

DesCipher - the DES encryption method

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Jean-loup Gailly Mark Adler

joup@gzip.org madler@alumni.ca@tech.edu

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<§2.1091> Radio frequency radiation exposure information:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20cm between the radiator and your body. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.



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Model No.[*]
CR-ET3BX0AJ,CR-ET3BX0BJ

Speech command system

5

5-1. Speech command system operation

Speech command system **210**

Command list.....**212**

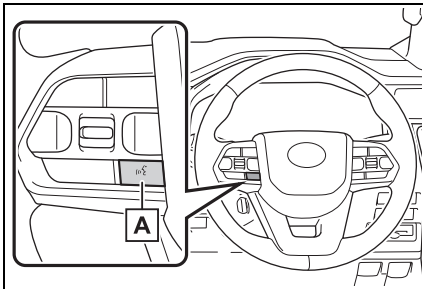
Speech command system

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.212)

Using the speech command system

Steering switch



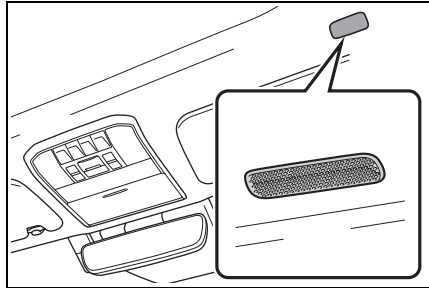
A Talk switch

- Press the talk switch to start the speech command system.
- To cancel 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 is turned to 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.212)
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.60)

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

*: Available commands are only “Go to phone” and “Go to audio” (9-inch display model).

■ Navigation*1

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*2>
“Cancel route”	Cancels the route guidance
“Show <POI category> icons”	Displays the specified <POI category*2> icons on the map
“Previous destination”	Displays previous destinations

*1: 12.3-inch display model

*2: 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>” ^{*1}	Plays tracks from the selected artist
“Play album <album name>” ^{*1}	Plays tracks from the selected album

Command	Action
“Play playlist <playlist name>” ^{*1, 2}	Plays tracks from the selected playlist
“Play song <song>” ^{*1}	Plays the selected track
“Disc” ^{*3}	Selects the selected disc mode
“USB”	Selects USB audio mode that is connected first
“iPod”	Selects iPod audio mode that is connected first
“Bluetooth audio”	Selects Bluetooth® audio mode
“Android Auto” ^{*4}	Selects Android Auto music

^{*1}: The audio device must be connected via a USB cable to use the functionality

^{*2}: Available only for iPod/iPhone

^{*3}: 12.3-inch display model

^{*4}: 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” [*]	Selects DAB mode

^{*}: If equipped

■ Apps^{*1, 2}

Command	Action
“Launch <apps name>”	Activates the specified application

*1: 12.3-inch display model

*2: 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.

6-1. 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****6-2. Setup**Phone settings**233****6-3. What to do if...**Troubleshooting**241**

Quick reference

Phone screen operation

- 1 Phone screen is displayed by following operation:
 - Press the “PHONE” button.*
 - Press the “MENU” button, then select “Phone”.

*: 9-inch display model



Bluetooth® hands-free system operation

The following functions can be used on phone operation:

- Registering/connecting a Bluetooth® device (→P.36)
- 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 the system:

- Phone settings (→P.233)
- Bluetooth® settings (→P.40)

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 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 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.36)

■ 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 4. (→P.36)

▶ 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.

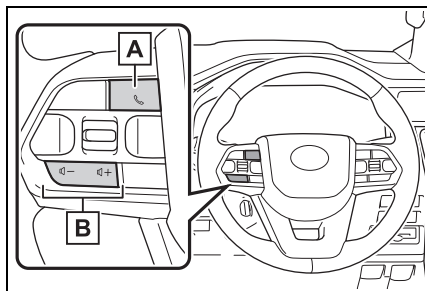
■ Bluetooth® phone condition display

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

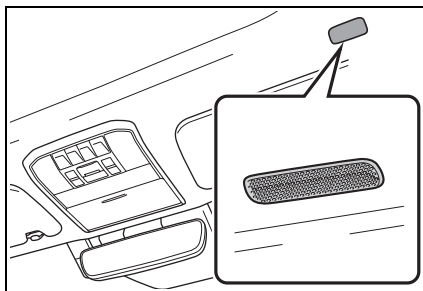
- If the switch is pressed when the phone screen is not displayed, the screen is displayed on the multi-information display or system screen. The phone screen can be setup to be displayed on the multi-information display or system screen. (→P.234)
- If the switch is pressed during a call, the call will 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.
- 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 to adjust 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.

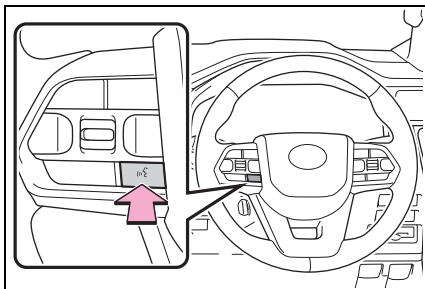


NOTICE

- 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.210)

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.59)

- 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.74)
- By speech command system (→P.222)
- By home screen (→P.225)

*: 12.3-inch display model

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)

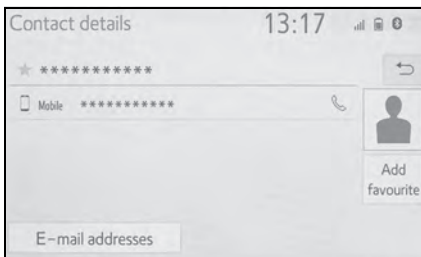
- 1 Display the phone top screen. (→P.218)
- 2 Select “Favourites” and select the desired contact.
- 3 Select the desired number.
- 4 Check that the dialing screen is displayed.

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

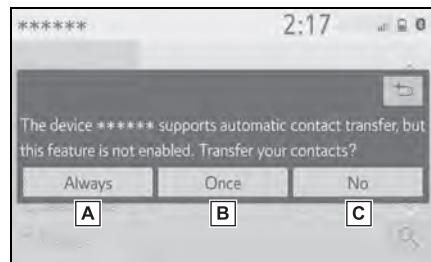
Bluetooth® phones when “Automatic transfer” is set to on (→P.236)

- Contacts are transferred automatically.

■ For PBAP compatible

Bluetooth® phones when “Automatic transfer” is set to off (→P.236)

- 1 Select the desired item.

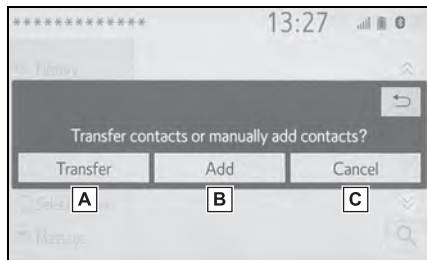


- A Select to always transfer all the contacts from a connected cellular phone automatically.
- B Select to transfer all the contacts from a connected cellular phone only once.
- C Select to cancel transferring.

- 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.29)
- 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.

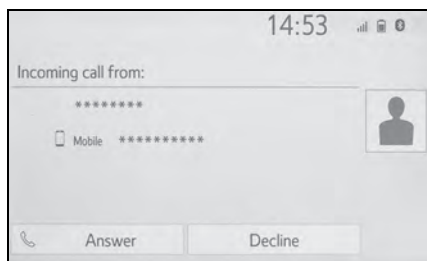
- If there is no contact in the contacts list, the contacts cannot be registered at the home screen.
- The contact cannot be registered at the home screen while driving.

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^{*1}/press the “VOL” buttons^{*2}, or use the volume control switch on the steering wheel.

^{*1}: 9-inch display model

^{*2}: 12.3-inch display model

- 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

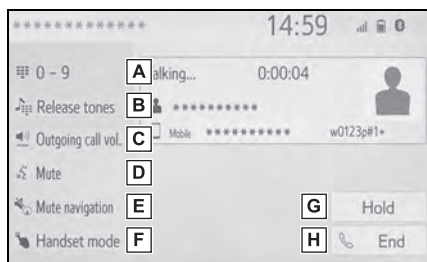
Bluetooth® phone may ring simultaneously when there is an incoming call. (→P.233)

- 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.227)
- 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”. (→P.228)
- H** Select to hang up the phone.

*: 12.3-inch display model

- 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 call 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”.
 - 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.

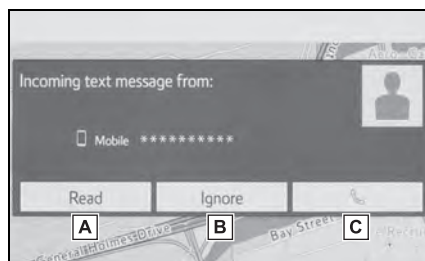
- The account name is displayed on the left side of screen.
- Account names are the names of

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.231)
 - 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)

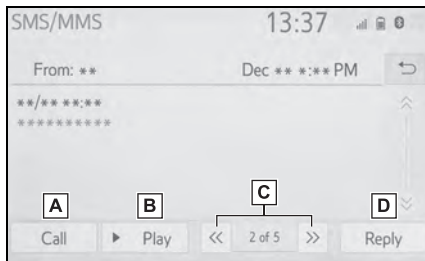
SMS/MMS:

- “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.231)

- 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^{*1}/press the “VOL” buttons^{*2}, or use the volume control switch on the steering wheel to adjust the message read out volume.
- “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)


*1: 9-inch display model

*2: 12.3-inch display model

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 mes-

sages, 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.


*: 12.3-inch display model

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

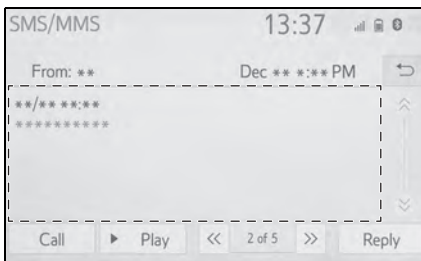
- 1 Display the message screen.
(→P.229)
- 2 Select the desired message.
- 3 Select “Call” or press the  switch on the steering wheel.
- If there are 2 or more phone numbers, select the desired number.
- 4 Check that the dialing screen is displayed.

■ 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.



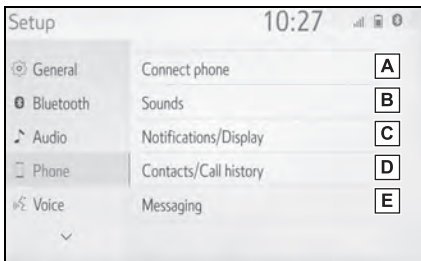
- 4 Select the desired number.
 - 5 Check that the dialing screen is displayed.
-
- A series of numbers may be recognized as a phone number. Additionally, some phone numbers may not be recognized, such as those for other countries.

■ Calling from the incoming message screen

For detail, refer to "Receiving a message". (→P.229)

Phone settings**Displaying the phone settings screen**

- 1 “Setup” screen is displayed by following operation:
 - Press the “SETUP” button.*
 - Press the “MENU” button, then select “Setup”.
- *: 12.3-inch display model
- 2 Select “Phone”.
 - 3 Select the desired item to be set.

Phone settings screen

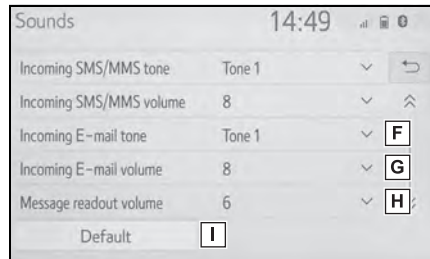
- A** Connecting a Bluetooth® device and editing the Bluetooth® device information (→P.41, 43)
- B** Sound settings* (→P.233)
- C** Notification/Display settings* (→P.234)
- D** Contact/call history settings* (→P.235)
- E** Message settings* (→P.240)

*: 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 vol-

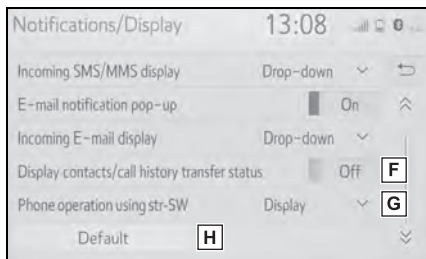
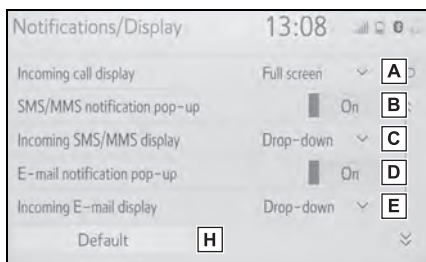
ume.

- 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® 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.

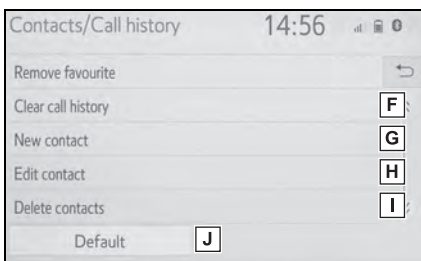
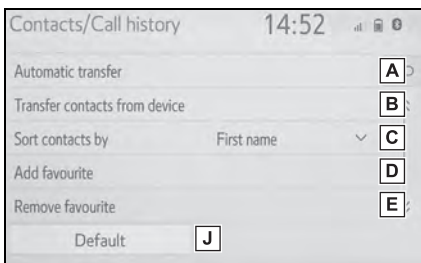
*: For PBAP compatible Bluetooth® phones, this function is available when “Automatic transfer” is set to on.

- 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.236)
- [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.238)
- [J] Select to reset all setup items.

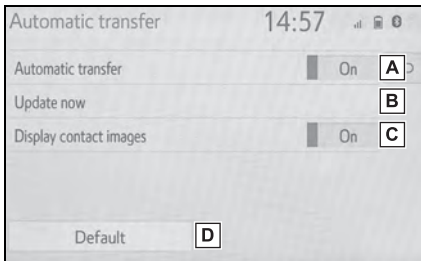
*: For PBAP compatible Bluetooth® phones, this function is available when “Automatic transfer” is set to off. (→P.236)

- 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 Connect a USB device to the USB port. (→P.121)
- 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 con-

nected 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 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 registered.

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 favourites 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.

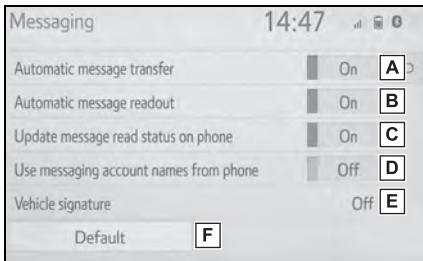
■ Deleting favorites from the favourites list in a different way (from the contact details screen)

- 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.240)
- 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 or higher). (→P.39)

■ **When registering/connecting a cellular phone**

A cellular phone cannot be registered.

Likely cause	Solution
An incorrect passcode was entered on the cellular phone.	Enter the correct passcode on the cellular phone.
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.43)



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.41)
Bluetooth® function is not enabled on the cellular phone.	Enable the Bluetooth® function on the cellular phone.

Likely cause	Solution
Automatic Bluetooth® connection on this system is set to off.	Set automatic Bluetooth® connection on this system to on when the engine switch is in ACC or ON. (→P.45)
Preferred device settings function on this system is set to on.	Set preferred device settings function on this system to off. (→P.45)
	Set the desired cellular phone to the highest automatic connection priority. (→P.46)

■ 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)

Likely cause	Solution
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 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.45)

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

7

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Toyota App Suite service *1, 2

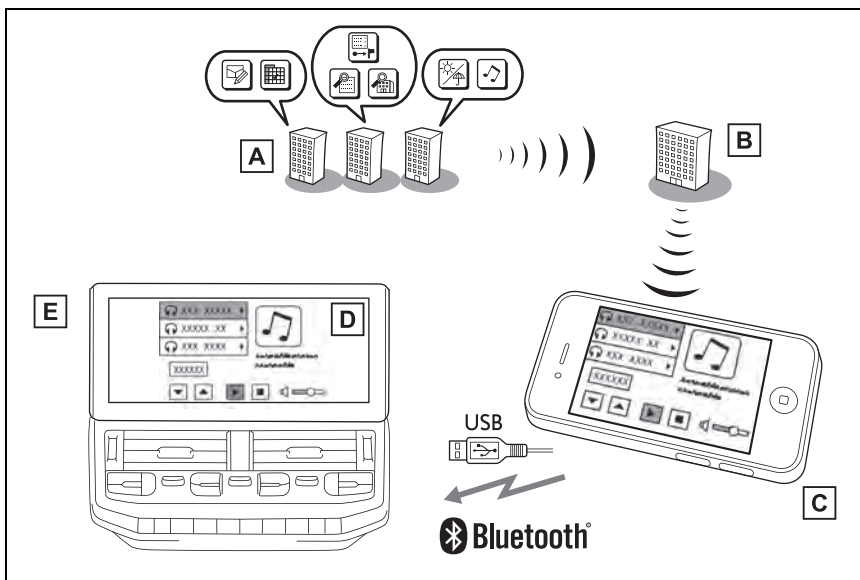
*1: 12.3-inch display model

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

Toyota App Suite enables applicable apps installed on a smartphone to be displayed on and operated from the screen via a 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 *

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 smartphone 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.
-
- 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.57)

- 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.36)

-
- 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 ^{*1, 2}

*1: 12.3-inch display model

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

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

1 Toyota Apps Suite screen is displayed by following operation:

- Press the “APPS” button.*
- Press the “MENU” button, then select “Apps”.


*: 9-inch display model

● If a specific application screen is displayed, select “Apps” again.

2 Select the desired application screen button.

: Select to activate an application.

“Update”: Select to update the application. (→P.248)

 2: 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.248)

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.248)

“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.248)

■ 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 corrective action.

- “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 compati-

ble or not, and then activate the Toyota App Suite application.

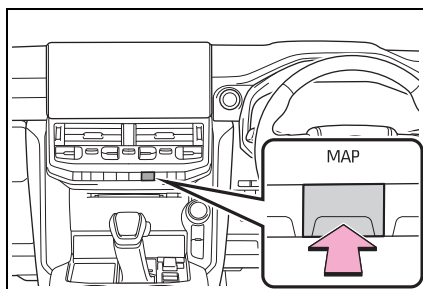
Please ensure your Toyota App Suite application is running and logged in on your phone while vehicle is not moving.


Linking Toyota App Suite and navigation local function

The navigation system’s 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

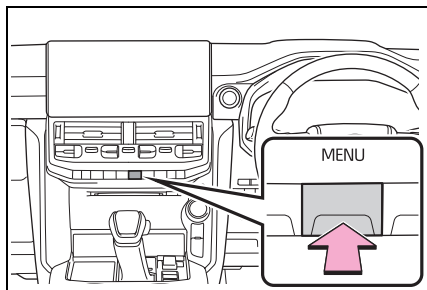
- 1 Press the “MAP” button.



- 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.84

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 which is for 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.57)

■ 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.31

Toyota App Suite settings*1, 2

*1: 12.3-inch display model

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

The settings of Toyota App Suite can be changed.

Displaying the Toyota App Suite settings screen

1 “Setup” screen is displayed by following operation:

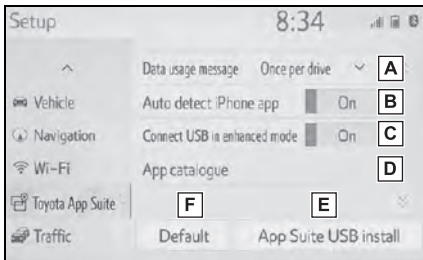
- Press the “SETUP” button.*
- Press the “MENU” button, then select “Setup”.

*: 12.3-inch display model

2 Select “Toyota App Suite”.

3 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 iPhone app automatically 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.

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For more information about the following items, see the “Owner’s Manual”.

- Fuel consumption
- Vehicle customization settings
- Rear view monitor system
- Toyota parking assist monitor
- Multi-terrain Monitor

Map database information and updates

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End User shall not use the Authorized Application to create (or assist in the creation of) a digital map database. A "digital map database" means a database of geospatial data containing the following information and attributes: (x) road geometry and street names; or (y) routing attributes that enable turn-by-turn navigation on such road geometry; or (z) latitude and longitude of individual addresses and house number ranges.

End User shall not use the Authorized Application to provide competitive information about TomTom or its products to third parties.

Licensee shall not use the Licensed Products for in-flight or drone navigation or in connection with any high risk systems, devices, products or services that are critical to the health and safety or security of people and property.

In the event that any End User is a government entity, include the following:

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Specific conditions relating to certain products:

A. Additional provisions for data of Ireland. End User is prohibited from using the data of Ireland in any printed, published form to be distributed freely or sold to the public.

B. As of the Effective Date, the following restriction applies to the Post Canada FSA layer and Canada 6-digit layer: The 6-digit alpha/numeric Canadian Postal Codes contained in any Licensed Product cannot be used for bulk mailing of items through the Canadian postal system. Furthermore, the 6-digit alpha/numeric Canadian Postal Codes must be wholly contained in the Authorized Application and shall not be extractable. Canadian Postal Codes cannot be displayed or used for postal code look-up on the Internet, nor can they be extracted or exported from any application to be utilized in the creation of any other data set or application. Notwithstanding the above, an End User may optionally correct or derive Canadian Postal Codes using the Authorized Application, but only as part of the address information for locations (e.g.: of delivery points and depots) that have been set up in the Authorized Application, and optionally extract data for fleet management purposes.

C. Additional provisions with respect to TomTom Traffic Licensed Product: You specifically agree that You shall not: (i) store the data for more than twenty-four (24) hours on Your servers; (ii) broadcast or make TomTom Traffic Licensed Product available except to authorized End Users; and (iii) use the feed or information received via the feed for historical data purposes (including but not limited to collection or analysis).

D. Additional provisions with respect to the Speed Profiles, TomTom Traffic, and any other traffic related Licensed Product: Neither the Data nor the Licensed Products such as Speed Profiles or TomTom Traffic or any derivatives thereof shall be used for the purpose of enforcement of traffic laws including but not limited to the selection of potential locations for the installation of speed cameras, speed traps or other speed tracking devices. With regards to Speed Profiles, End User acknowledges and agrees that the actual speeds may not reflect the legally imposed speed limits.

Certification

FCC ID: AJDK099, FCC ID: AJDK097

[For 2.4 GHz Radio Transmitters]

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment should be installed and operated keeping the radiator at least 20 cm or more away from person's body.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Information to User - Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

