Introduction

Thank you for buying a Mitsubishi Motors product.

In order to fully utilize the functionality of this product and ensure safe and correct operation, please read the "User Manual" carefully before operation.
After reading the "User Manual", ensure this is kept readily available, and refer to it again if you do not understand any points, or in the event of problems.

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Introduction

The followings are what you need to know before using this product.

Before Use

Disclaimers

- Mitsubishi Motors will in no way be held responsible for losses resulting from fire, earthquake, tsunami, flood, or other natural disasters; from actions of third parties; from other accidents; or from inappropriate or abnormal usage conditions utilized by the customer, be said conditions deliberate or unintentional.
- There will be no indemnification for alteration or loss of any information stored upon this product (address book etc.) by the customer or a third party resulting from improper use of this product, the influence of static electricity or electric noise, or at the time of malfunction or repair or similar circumstances. We recommend that you create backups of important information as a precautionary measure.
- Some personal information (addresses in address book, telephone numbers etc.) input into this product may remain in memory even if this product is removed. The customer is responsible for proper handling and management (including deleting) of personal information to protect privacy when handing this product over to anyone else or disposing of it. Mitsubishi Motors will in no way be held responsible.

- Mitsubishi Motors will in no way be held responsible for any collateral losses (loss of business profits, alteration or loss of recorded data) resulting from the usage or inability to use this product.
- Please be aware that the map displayed is from when the data was prepared, so it may differ from current conditions. Also, Mitsubishi Motors will in no way be held responsible for any losses resulting from map data inadequacies.
- This product contains data on traffic regulations, but due to changes in traffic rules, this data may differ from the actual traffic rules. Always obey the actual traffic regulations. Also, Mitsubishi Motors will in no way be held responsible for any losses resulting from traffic accidents or traffic rule violations due to traffic regulation data inadequacies.
- Returns, refunds, exchange, or conversion for reasons of map data inadequacy or the like are not possible. There may be times when the map data does not match the specific objective of the user. The contents of the map data are subject to change without notice. The map data may contain wrong or missing characters, incorrect locations etc.

- The rule guidance and audio guidance, for example when to turn, may sometimes differ from the actual traffic signs or traffic regulations. Always obey the actual traffic signs and actual traffic regulations.
- For the purpose of product improvement, specifications and external appearance may be subject to change without advance notice. Accordingly, while the contents of the User Manual may differ, please be aware that returns, refunds, exchange, or conversion are not possible.
- This User Manual explains details for multiple vehicle models together. Depending on the vehicle model, there may be functions that may be described but not available, or requirements for separately purchased-products. Thank you for your understanding.
- Images and illustrations used in the User Manual are either those used in development, or used for explanations. Please be aware that these may differ from the actual images and illustrations used in the product.
- Please be aware that Mitsubishi Motors, including after-sales service departments, will in no way be held responsible for any losses or detriment resulting from alteration or loss of any information stored in this product, including customer registration information.

Common

• During operation, ensure that the vehicle is not stationary in a garage or other confined area with bad ventilation while the engine is running. Doing so may result in gas poisoning.

• For safety, the driver is not to operate this product while the vehicle is moving. The driver should also minimize as much as possible the time spent viewing the screen. Being distracted by the screen can result in an accident.

• Do not turn the volume up to the extent that you cannot hear sounds from outside the vehicle while driving. Driving without being able to hear sounds from outside the vehicle can result in an accident.

• Do not disassemble or modify the product. This may lead to malfunction, smoking, or fire.

• Avoid relying on this product for guidance to emergency facilities (hospitals, fire departments, police, etc.). Contact such emergency facilities directly.

• When operating, ensure that the vehicle is stopped in a safe area in which stopping is permitted.

• Continued usage of this product without the engine running may deplete the vehicle battery, meaning that the engine may not be able to start.
Ensure this product is used while the engine is running.

• The following phenomena are characteristic of LCD screens. They do not indicate a malfunction.
  - Small black dots or bright dots (red, blue, green) on the screen.
  - Screen movement is slow during cold weather.
  - The screen is sometimes dark during hot weather.
  - The colour tones and brightness vary with the viewing angle.

• It is a characteristic of LCD screens that the picture quality varies with the viewing angle. When using this product for the first time, adjust the picture quality.

• If you paste an commercially-available LCD protective film or the like on the screen, it may interfere with touch panel operation.

• If you operate the touch panel with a sharp object (pen tip, finger nail, etc.), the screen may be scratched and this unit may be damaged, leading to faulty operation.

• Operating the touch panel with gloves on may cause faulty operation.

• When cleaning the screen, wipe it with a soft cloth. Do not use benzene, paint thinners, anti-static agents, or other chemical wipes. They could scratch the screen.

iPod/iPhone Playback Function (Option)

- This product supports audio playback from iPod/iPhone devices, however differing versions mean that playback cannot be guaranteed.
- Please be aware that depending on the iPod/iPhone model or version, operation may differ.

- If the product becomes dirty, wipe with a soft cloth.
- If very dirty, use a soft cloth dipped in neutral detergent diluted in water, and then wrung out. Do not use benzene, thinners, or other chemical wipes. This may harm the surface.

Trademarks

- Product names and other proper names are the trademarks or registered trademarks of their respective owners.
- Furthermore, even if there is no specific denotation of trademarks or registered trademarks, these are to be observed in their entirety.

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SDHC
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Bluetooth®
The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc.
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NAVTEQ MAPS
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Introduction

Before Use

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Made for

iPod **iPhone**

"Made for iPod," "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards.

iPhone, iPod, iPod classic, iPod nano, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards

* This product is compatible with iOS5 on the "iPod touch" and "iPhone".

* iPod and iTunes licensing allows individual users to privately reproduce and play back non-copyrighted material as well as material that may be legally copied and reproduced. Infringement of copyright is prohibited.

* The supported devices for vehicles with a Bluetooth ® 2.0 interface vary. For details, refer to the vehicle's user manual.

iPod

iPod
5th generation
(video)
60GB 80GB

iPod
5th generation
(video)
30GB

iPod classic

iPod classic
160GB (2009)

iPod classic
160GB (2007)

iPod classic
80GB

iPod nano

iPod nano
6th generation
8GB 16GB

iPod nano
5th generation (video camera)
8GB 16GB

iPod nano
4th generation (video)
8GB 16GB

iPod nano
3rd generation
(video)
4GB 8GB

iPod nano
2nd generation
(aluminum)
2GB 4GB 8GB

iPod nano
1st generation
1GB 2GB 4GB

iPod touch

iPod touch
4th generation
8GB 32GB 64GB

iPod touch
3rd generation
32GB 64GB

iPod touch
2nd generation
8GB 16GB 32GB

iPod touch
1st generation
8GB 16GB 32GB

iPhone

iPhone 4S
16GB 32GB 64GB

iPhone 4
16GB 32GB

iPhone 3GS
8GB 16GB 32GB

iPhone 3G
8GB 16GB

Important Points on Safety for the Customer

This product features a number of pictorial indications as well as points concerning handling so that you can use the product correctly and in a safe manner, as well as prevent injury or damage to yourself, other users, or property.

⚠️ **WARNING** This indicates details regarding handling of the product that if ignored, could be expected to result in death or serious injury.

⚠️ **CAUTION** This indicates details regarding handling of the product that if ignored, could be expected to result in personal injury or property loss.

⚠️ WARNING

- **The driver should not pay close attention to the images on the screen while driving.**
  This may prevent the driver looking where they are going, and cause an accident.
- **The driver should not perform complicated operations while driving.**
  Performing complicated operations while driving may prevent the driver looking where they are going, and cause an accident.
  Therefore stop the vehicle in a safe location before performing such operations.
- **Do not use during malfunctions, such as when the screen does not light up or no sound is audible.**
  This may lead to accident, fire, or electric shock.
- **Do not place anything on the open display.**
  This may lead to accident, fire, electric shock, or malfunction.
- **Ensure water or other foreign objects do not enter the product.**
  This may lead to smoking, fire, electric shock, or malfunction.

⚠️ WARNING

- **Do not insert foreign objects into the disc slot or card slot.**
  This may lead to fire, electric shock, or malfunction.
- **Always obey all actual traffic regulations, even when following route guidance from this navigation system.**
  Due to changes in traffic rules, this data may differ from the actual traffic regulations.
  Always obey the actual traffic regulations.
- **In the event of abnormalities occurring when foreign objects or water enter the product, resulting in smoke or a strange smell, immediately stop using the product, and consult with your dealer.**
  Continuing to use the product may result in accident, fire, or electric shock.
- **Do not disassemble or modify the product.**
  This may lead to malfunction, fire, or electric shock.
  During thunderstorms, do not touch the antenna or the front panel.
  This may lead to electrical shock from lightning.

⚠ CAUTION

- **Do not block ventilation holes or heat sinks on the product.**
  Blocking ventilation holes or heat sinks may prevent heat from escaping from within the product, leading to fire or malfunction.
- **Do not turn the volume up to the extent that you cannot hear sounds from outside the vehicle while driving.**
  Driving without being able to hear sounds from outside the vehicle may result in an accident.
- **If opening or closing the monitor panel interferes with gear shift lever operation etc, stop your car in a safe location before performing such operations.**
- **Do not insert your hand or fingers into the disc slot or card slot.**
  This may result in injury.
- **Do not leave the monitor panel open when you are not using the product.**
  This may result in injury.
- **Be careful that your hand or fingers are not pinched when you open or close the monitor panel.**
  This may result in injury.
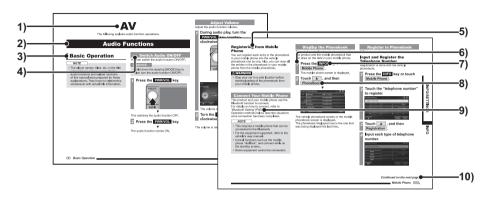
How to Read This Manual

The notation used in this manual and what it means are as follows.

1) **Volume Header**
   Classified by main functions.

2) **Chapter Header**
   Classifies more finely the main functions in the volume header. A chapter header appears at the head of each chapter.
   You can also check the index on the right edge.

3) **Major Header**
   Classifies the main operations and functions in a chapter.

4) **Intermediate Header**
   Classifies the operations and functions under the major header.

5) **Minor Header**
   Classifies more finely the operations and functions classified under the intermediate header.

6) **Operation procedure**
   These are numbers that shows the operation procedure. Perform the procedure in the order of these numbers.

7) **▭ ○○○ ▭ key or [○○○] key**
   Shows an operation key on the panel.

8) **▭ ○○○ ▭ or [○○○]**
   Shows a touch switch displayed on the screen.

9) *(P000)*
   Shows the page to refer to. It contains relevant explanations etc.

10) *Continued on the next page*
   Used when the explanation of operations is continued.
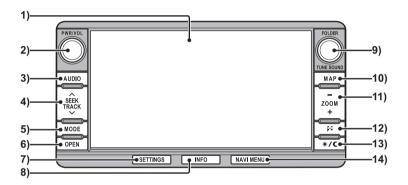
Basic Operation

This Product

Main Unit Panel

This gives the names of each section of the main unit panel and explains their functions.

When the panel is closed

1) **Display**
   Operations can be performed by touching the touch switches.
   →"How to Perform Touch Operations"(P17)

2) **PWR/VOL** key *(P76)*
   Allows you to adjust the volume for the audio function and telephone function.
   It also allows you to switch the audio function ON/OFF.

3) **AUDIO** key
   Displays the audio source screen (for the last source used).

4) **SEEK TRACK** key/ **SEEK TRACK** key
   Allows you to select a CD or radio station. Also, holding down either of these keys allows you to fast-forward/fast-rewind a CD or to seek a radio station.

5) **MODE** key *(P24)*
   Used to select an audio source.

6) **OPEN** key
   Displays the monitor panel open/close screen.
   Used to open/close the monitor panel or insert or remove a disc *(P77)*.

7) **SETTINGS** key *(P144)*
   Used to make settings.

8) **INFO** key *(P25)*
   Used to check information.

9) **FOLDER/TUNE** key
   Allows to select an audio file folder or a radio station by turning.
   SOUND key *(P153)*
   Pressing the key displays the sound quality setting screen.
   Used to adjust the sound quality.

10) **MAP** key
   Used to display the current location screen of the navigation *(P30)*.

11) **- ZOOM** key/ **ZOOM +** key
   Zooms in or zooms out the map.
   →"Switch the Scale"(P40)

12) **▦** key *(P47)*
   Used to set a navigation destination.
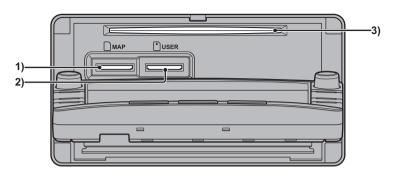
13) **☀/☾** key
   Allows you to switch the map screen colour Auto, Daytime, and Nighttime according to the car lighting state.

14) **NAVI MENU** key *(P23)*
   Used to make navigation settings.

When the panel is open

1) Map slot
The map card that contains the map data for the navigation functions is inserted here. The navigation functions can be updated to a newer version by replacing the main unit map card with a higher version map card, available separately.
→ *"Version Updating Method" (P142)*

2) User slot
An audio SD card is inserted here. Audio SD cards can be played *(P106)*. Also, map data can be updated.
→*"Update the Map Database with an SD Card"(P120)*

3) Disc slot
When a disc is inserted that can be played by this product, starts playback.
→*"Inserting the Disc"(P77)*

Start

Start the system.

> ⚠ **CAUTION**
>
> • This system cannot be started unless a map card is inserted.

1 **Switch the vehicle's ignition key to "ACC" or "ON".**

2 **Check the message, then touch OK .**

If the audio function was used last the previous time, the display switches to the audio screen (the last screen).

| 10:00 |
| --Please be sure to read this.-- |
| Observe and obey all road signs, traffic rules and drive safely. |
| Read owner's manual before using. You are responsible for safety at all the times. |
| Русский |
| English |
| OK |

▼

This switches to the navigation screen.

> **ADVICE**
>
> • Immediately after the ignition key is switched to "ACC" or "ON", if the navigation functions are used, some functions are not available immediately after the map screen is displayed because data is being read in from the map card. Please wait until the reading is completed.

SD Cards

This product supports two types of SD cards: map cards used with the navigation function and audio SD cards used with audio functions.

⚠ *WARNING*

• **In order to prevent an accident, keep the SD card out of the reach of small children.**
  If a child does swallow an SD card, seek immediate medical attention.

⚠ *CAUTION*

• Do not insert the map card anywhere other than the map slot in this product. Doing so may lead to malfunction. Data might be destroyed and the map card might become unusable.

• When inserting and removing an SD card, first ensure that your car is stopped in a safe area in which stopping is permitted.

• Do not remove a SD card or switch OFF the power while data is being read from or written to the SD card.
  The recorded data might be lost or damaged.

• Do not insert foreign objects into the SD card slot. This may lead to injury, smoking, or fire.

• There are two SD card slots, the map slot and the user slot. Be sure to insert the SD card into the correct slot.

NOTE

• Mitsubishi Motors will in no way be held responsible for any losses resulting from SD card data loss.

• SD cards formatted using standard computer functions may not operate correctly.

• SD cards have a finite service life. After being written repeatedly, writing, erasing, etc. may become impossible.

Important Points on Handling

• Fingerprints or other marks on the terminals of an SD card may result in its content being more difficult to read. When holding an SD card, do not touch its terminals.

• Do not affix paper or stickers to an SD card and do not damage it.

• Do not forcefully insert an SD card if an SD card is already within the device. Doing so may lead to malfunction.

• Do not insert anything other than an SD card into an SD card slot. Inserting anything other than an SD card may cause damage or get the object stuck in the slot.

Important Points on Storage

When you take an SD card out of this product, store it out of direct sunlight.
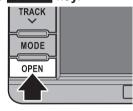
Map Card

Insert the map card that contains the map data for the navigation functions.
First, it is necessary to insert the map card into the main unit.

1 Press the OPEN key.

2 Touch Monitor OPEN .

▼

The monitor panel opens.
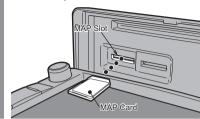
3 Insert the map card into the map slot.

Insert until you hear the "click".

⚠ CAUTION

• Do not insert into the user slot.

4 Press the OPEN key to close the monitor panel.

▼

You can now use the navigation function.

Audio SD Card

Insert the audio SD card used for the audio functions.

1 Press the OPEN key.

2 Touch Monitor OPEN .

▼
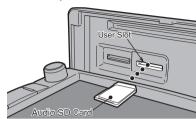
The monitor panel opens.

Introduction

Basic Operation

3 Insert the audio SD card into the user slot.

Insert until you hear the "click".

⚠ CAUTION

• Do not insert into the map slot.

4 Press the OPEN key to close the monitor panel.

▼

You can now use the SD card with the audio functions.

Map Card
This is done when updating to a newer version of the map data. A system can be upgraded to a newer version by replacing the main unit map card with a higher version map card, available separately.
For details, refer to *"Version Updating Method"(P142)*.

Audio SD Card
Eject the audio SD card used for the audio functions.
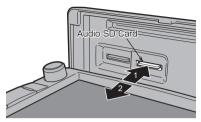
1 Press the OPEN key.

2 Touch Monitor OPEN .

▼

The monitor panel opens.

3 Push the audio SD card in the user slot until you hear a "click".

The audio SD card jumps out and can now be removed. Gently remove it.
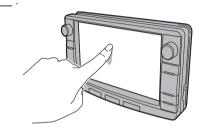
4 Press the OPEN key to close the monitor panel.

How to Perform Touch Operations

This system uses a touch panel that is operated by touching the display directly.

When Touching ___

This manual indicates the operation of touching the screen to "Enter" with "Touch ___".

Also, the menu of operations executed by touch is indicated as "Touch Switch".

> ⚠ **CAUTION**
>
> • The surface of the display scratches easily. Do not push on it too hard or rub it with a stiff cloth.
> • If the screen is dirty, wipe it gently with an eyeglass wipe or other soft cloth.

Searching Items from a List

By touching ⌄ or ⌃ , you can select one item at a time from the list.
By touching ⌄⌄ or ⌃⌃ , you can move the display one page.

▼
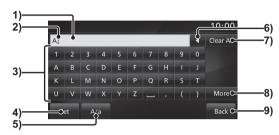
When the item you are searching for is displayed, touch it directly.

How to Input Characters

This section explains the menu items for the character input keyboard.

Keyboard for Character Input

1) **Input character display section**
Displays the input characters.

2) **The cursor**
⌇ is displayed with and to the left of ⌇, characters are input.

3) **Input keyboard**
Displayed characters can be input by touch.

4) Set
This finalizes all the input characters and ends character input mode.

5) A/a
Switches the characters displayed on the input keyboard in the order of capital letters, small letters, and Capital letters.

6) ◀
Clears one character among the characters being input.

7) Clear All
Clears all the characters being input.

8) More
Switches the characters displayed on the input keyboard to "Numbers" and "Symbols".

9) Back
Returns to the previous screen.

Types of Characters That Can Be Input

The input keyboard is capable of inputting various characters.
Character input is displayed when it becomes necessary during the operation of functions. However, some functions limit the characters that can be input.

Letters/numbers

										10:00
AΙ							◀		Clear All	
1	2	3	4	5	6	7	8	9	0	
A	B	C	D	E	F	G	H	I	J	
K	L	M	N	O	P	Q	R	S	T	
U	V	W	X	Y	Z	␣	,	(	)	More
Set		A/a							Back	

Symbols

										10:00
AΙ							◀		Clear All	
~	!	@	#	$	%	^	&	*	_	+	
`	´	-	=	{	}	[	]	;	:	'	"
.	<	>	?	/	À	Á	Â	Ä	Ã	Ã	Æ
Ç	È	É	Ê	Ë	Ì	Í	Î	Ï	Ñ	Ò	Ó
Ô	Ö	ø	Õ	Ù	Ú	Û	Ü			Back	
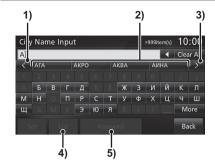
Keyboard for Number Input

The input keyboard makes it possible to input house numbers and latitude/longitude.

Phone Number Search			10:00
1_		◀	Clear All
RUSSIA	1	2	3
Country Code: + 7	4	5	6	+
	7	8	9	
Country	*	0	#	-
Set			Back

Input assist for searches

1) ◀
Displays the previous candidate list.

2) **Search candidate list**
Displays characters and candidates that follow the input characters.
Touching this completes the input.

3) ▶
Displays the next candidate list.

4) **List**
Displays the search results for the input characters.

5) **Keyword**
Keywords can be input.

How to Input Characters 19

(Vehicles with a Bluetooth® 2.0 interface).

Voice Control

You can perform telephone and audio operations by voice command.

1 Press the "SPEECH" key on the steering wheel. After you hear the "beep", say "Voice commands".

→"Steering Remote Control Switch Operation"(P79)

ADVICE

- You can check the usage for voice control, a list of voice commands, etc.→"Check the Voice Control Help"(P121)

NOTE

The voice control function may have difficulty in some environments and with the way some people speak.
The followings will help you make the best use of the voice control function.
- Speak loud and clear. This makes voice recognition easier.
- When making a call, avoid saying things such as "uh", "um, uh", "aah", etc. These may be mistaken for other words.
- Close the windows. Noise from the outside can cause recognition mistakes.
- Ask everyone else in the vehicle to please be quiet while you voice-dial a call. The voices of others in the vehicle can cause recognition mistakes.
- Words are sometimes mistaken for other words with a similar pronunciation.
- If there is too much ambient noise, recognition mistakes may occur. Example: Driving through a tunnel, driving with chains on the tyres
- Strong air flow from the air conditioner or heater may make recognition more difficult.
- In the following cases, voice commands are not accepted.
  - Speaking too slow (too fast)
  - Speaking too loud (too softly)
  - Not saying anything or pronunciation is unclear
  - Spoke before the "beep"

Top Menu

By pressing the corresponding key, you can use various functions from the top menus.

Display Types

The top menus have a number of display methods. You can use the one you like best. You can switch by touching the display switch menu at the top of each top menu.

Touch switch	Display contents
	Destination — Address Book, Go Home, Address/Junction, Phone Number, Latitude/Longitude, Advanced Search, Point of Interest, Postal Code, Return Trip, Previous 50 — 10:00 — Delete Route
	Destination — Address/Junction, Point of Interest, Postal Code — 10:00 — Delete Route
	Destination — Go Home, Latitude/Longitude, Address/Junction, Return Trip, Point of Interest, Previous 50, Postal Code, Address Book, Phone Number, Advanced Search — 10:00 — Delete Route
	Mode — FM, MW, LW, CD, SD, USB/iPod, Bluetooth Audio, AUX — 10:00

NOTE

- The types that can be displayed depend on the top menu. There are also menus that do not allow you to switch the display type.

Destination Menu

This section explains the destination menu displayed when you press the ▦ key.

1) **Display switch menu** *(P21)*
Allows you to switch the menu display type.

2) **Go Home**
Allows you to register a home location. *(P68)* Also allows you to set your registered home as the destination.*(P47)*

3) **Address/Junction** *(P50)*
Allows you to search for a location from an address.

4) **Point of Interest** *(P50)*
Allows you to input the name of an establishment to search for the establishment.

5) **Postal Code** *(P55)*
Allows you to input the postal code to search for its location.

6) **Phone Number** *(P55)*
Allows you to input the telephone number to search for its location.

7) **▲**
Displays the numbers for frequently used locations*(P49)*.

8) **Clock**
Displays the current time using 12- or 24-hour time.

9) **Latitude/Longitude** *(P55)*
Allows you to input the latitude and longitude to search for its location.

10) **Return Trip** *(P56)*
Sets the start location as the destination.

11) **Previous 50** *(P49)*
Allows you to select a location for which a map of the surroundings has been displayed by using the search function.

12) **Address Book** *(P49)*
Allows you to select a location from the address book.

13) **Advanced Search** *(P52)*
Allows you to search for an establishment around the current location or destination, along the route, etc.

14) **Delete Route** *(P65)*
Deletes the set route.

Navi Menu

This section explains the navigation menu displayed when you press the NAVI MENU key.

1) **Route Menu** *(P58)*
Allows you to check and edit the set route.

2) **Guidance** *(P145)*
Allows you to set up the guidance display.

3) **Screen** *(P146)*
Allows you to set up the navigation display.

4) **Route Options** *(P149)*
Allows you to set up the default values for route search conditions.

5) **Navi Voice/Others** *(P150)*
Allows you to set up the navigation audio guidance. Also allows you to check vehicle signals.*(P151)*

6) **Personal** *(P152)*
Allows you to manage address book, home location, and other information.

7) **Start Demo** *(P60)*
Starts a demo trip.

Mode

This section explains the Mode displayed when you press the MODE key.

1) **Display switch menu** *(P21)*
    Allows you to switch the menu display type.

2) MW *(P88)*
    Allows you to use the MW radio function.

3) FM *(P88)*
    Allows you to use the FM radio function.

4) SD *(P104)*
    Allows you to play back audio files (MP3/WMA/AAC/WAV) on an SD card.

5) **USB/iPod menu**[*1]
    When an iPod is connected to this product, iPod is displayed. When you touch it, the iPod screen is displayed. *(→ P99)*
    When a USB memory is connected to this product, USB is displayed. When you touch it, the USB screen is displayed. *(→ P104)*
    When nothing is connected to this product, USB/iPod is displayed.

6) LW *(P88)*
    Allows you to use the LW radio function.

7) CD
    Plays media inserted into this product.
    Audio CD *(→ P92)*
    Audio files (MP3/WMA/AAC/WAV) *(→ P95)*

8) AUX [*1, *2] *(P113)*
    When an external input device is connected to this product, the audio from the external input device is played.

9) Bluetooth Audio [*3] *(P109)*
    When a Bluetooth-capable audio device is connected to this product, the Bluetooth audio function can be used.

*1 This is equipment that only some vehicle types have. This also requires the external input device and a cable.

*2 [AUX] is displayed even if no separately-purchased external input/output cable and external input device is connected to this product.

*3 This is equipment that only some vehicle types have. This requires an audio device that is Bluetooth capable. No cable is required.

INFO Menu

This section explains the info menu displayed when you press the [INFO] key.

Menu 1

1) INFO   10:00
2) Calendar   GPS Information   7)
3) User SD   Map Reg. Code   8)
4) Voice Control Help Mobile Phone   9)
5) Trip   Environment   10)
6) Air Conditioner   more   11)

Menu2

INFO   10:00
Maintenance   12)
Version Info   13)

                          more

1) **Display switch menu** *(P21)*
   Allows you to switch the menu display type.

2) [Calendar] *(P114)*
   Displays the calendar. Allows you to check and set special days and anniversaries.

3) [User SD] *(P119)*
   Allows you to check the SD card capacity and available space.
   Also allows you to update the map database *(P120)*.

4) [Voice Control Help] * *(P121)*
   Allows you to check a list of voice commands, the usage for voice control, etc.

5) [Trip] * *(P122)*
   Allows you to check and set trip information.

6) [Air Conditioner] * *(P126)*
   Allows you to check the air conditioner status.

7) [GPS Information.] *(P127)*
   Allows you to check the name of the current location, its latitude/longitude, and the number of GPS satellites being received.

8) [Map Reg. Code] *(P120)*
   Allows you to check the request code required for updating the map.

9) [Mobile Phone] * *(P128)*
   Allows you to make and receive telephone calls.

10) [Environment] * *(P136)*
   Allows you to check the outside air temperature, altitude, and air pressure.

11) [more]
   When there are many items, you can move forward/back by page. This is not displayed when there are few items.

12) [Maintenance] * *(P137)*
   Allows you to make settings for notifications when engine oil, oil filter, and other maintenance is due.
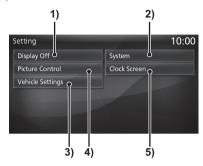
13) [Version Info] *(P142)*
   Allows you to check the program version, map version, etc.

* This is displayed when your car is equipped with the equipment.

SETTINGS Menu

This section explains the settings menu displayed when you press the **SETTINGS** key.

1)	2)

Setting	10:00
Display Off	System
Picture Control	Clock Screen
Vehicle Settings	

3) 4) 5)

1) **Display Off** *(P161)*
Allows you to switch OFF the screen display.

2) **System** *2
Allows you to make settings for the Time *(P156)*, Language *(P156)*, Camera *(P135)*, A/C Cut-in *(P157)*, Units *(P157)*, Pairing *(P158)*, Keyboard Layout *(P160)*, etc.

3) **Vehicle Settings** *1 *(P161)*
Allows you to make settings for vehicle equipment.

4) **Picture Control** *(P161)*
Allows you to adjust the picture quality.

5) **Clock Screen** *(P169)*
Displays the clock.

NAVI

This chapter explains navigation function operations.

Basic Operation

Navigation Functions

What is Navigation?

Navigation is a system that measures the location of your car and guides you along the route to the set destination. Your car's location displayed on the map is measured with the "GPS" and "Map matching" functions.

GPS(Global Positioning System)

The system that uses GPS satellites to detect the location is called "GPS". The radio signals from these GPS satellites are received and the location of one's own car is measured to within about 30 to 200 meters.

- Measuring your car's location takes about 2 minutes in a location with a good view. The first time this product is used or it is used after a long while, it takes about 5 minutes to measure your car's location.

- The GPS satellites are managed by the Department of Defense of the United States of America, which sometimes deliberately reduces the location precision. When that happens, the location of your car may not be displayed in the correct location.

Map Matching

"Map matching" is a function that compares the route tracking data for your car with the road configuration in the map data, estimates the road you are driving on, and displays this on the map.

> ⚠ **CAUTION**
>
> - The map displayed for navigation and the traffic rule information were prepared based on various types of information when the map data was prepared, so they may differ from the actual roads and traffic regulations. Always follow the actual roads and obey the actual traffic regulations.

GPS Antenna

GPS antenna

The location of your car is measured by receiving weak radio signals from GPS satellites with the "GPS antenna".

> **ADVICE**
>
> If the radio signals from the GPS satellite are blocked, the location of your car may not be displayed in the correct location, so observe the following rules.
>
> - Do not paste a mirror type film or shade film that contains carbon onto the windshield.
> - Do not place anything on or near the GPS antenna.
> - Do not use a mobile phone, PHS, computer, etc. near the GPS antenna.

Map Data

The map data may contain wrong or missing characters, incorrect locations etc.

Position Measurement

When Accurate Position Measurement Is Not Possible

Radio signals from GPS satellites cannot be received in locations such as in tunnels, indoor parking garages, locations surrounded by high buildings, mountains or trees, under motorways and elevated train lines. In such cases, the position measurement uses autonomous navigation based on the gyro sensor and speed sensor, so accurate measurement of your car's location may become impossible.

Measurement Error

When radio signals cannot be received from GPS satellites, measurement error occurs easily and the location of your car may not be displayed correctly.
If you keep on driving, when it becomes possible to receive radio signals from GPS satellites, the error in the current location will be automatically corrected.

Reasons Why the Location of Your Car Is Not Displayed Correctly

- When a motorway and general road are near each other
- When driving roads laid out in a grid
- When driving on a mountain road with a sharp slope
- When turning left or right after having driven a long while on a straight road
- Immediately after the engine is switched ON
- When driving at slow speed, for example on a congested road or in a parking lot (Because some cars do not output a vehicle speed signal when driving too slow)
- When travelling with chains on the tyres
- When the vehicle was turned on a turntable or the like
- When driving through a fork in the road with a small angle between the two branches
- After the vehicle has been moved by ferry or the like
- When driving in a multi-level parking garage or on a spiral road
- When zig-zagging on a wide road
- When a tyre has been replaced with the emergency spare
- When driving on snow, sand, or other slippery road

3D Position Measurement

When effective radio signals for which positional precision can be expected can be received from four or more GPS satellites, the 3D position of latitude, longitude, and altitude can be calculated.
"GPS Information"(P127)

2D Position Measurement

When effective radio signals for which positional precision can be expected can be received from three or more GPS satellites but not enough for 3D position measurement, the altitude is assumed to have remained the same since the last time it could be measured and only the 2D of latitude and longitude can be calculated. In this case, the positional precision is less than for 3D position measurement.
"GPS Information" (P127)

Non-measurable Position

When effective radio signals from GPS satellites for which positional precision can be expected can not be received, the position is not measured.
"GPS Information"(P127)

Route Search Methods

- The route displayed in the route guidance is a reference route to the destination. It is not necessarily the shortest route. This route guidance also does not take traffic congestion information into account.
- Not all roads are used in route guidance.
- Routes using ferries are set to be less recommended than normal roads. Therefore, even when a ferry provides a quicker route to the destination, a route not using the ferry may be displayed.
- When a toll road interchange, parking area, or service area is set as the destination or as a waypoint, select from an establishment search or from a motorway simplified map and set without scrolling the map.
- Sometimes, the route is not the same as the one prepared previously even though the same locations were set as the destination and waypoints.
- Sometimes routes are displayed that include pedestrian ways, stairs, etc. that are not passable by vehicle.
- If there is no road to the destination or only narrow roads, a route may be displayed that goes to some place apart from the destination.
- Because searches are carried out passing alongside establishments, depending on the road configuration, roundabout routes may be displayed.
- Sometimes routes are searched that take traffic rule information into account.
- Sometimes, some temporary rules are not taken into account or the time for which they are applied differs from when they are actually in effect.

Route Guidance

- When your car is driving on the searched route, this displays the distance until the destination or the next waypoint.
- When your car is driving off the searched route, this displays the distance from the point where you left the route until the destination or the next waypoint.
- The display of the estimated time of arrival at the destination is calculated based on the remaining time data in the map data and learning trip information.
- Sometimes even though you need to turn at a junction, the junction name is not in the guidance and the junction is not covered in the audio guidance.
- Sometimes left and right turn guidance differs from the actual road configuration.
- When you go off the route, for example by turning one junction too early, sometimes the audio guidance continues for the route you had been on.
- Sometimes the distance in the guidance is slightly too high or too low.

Precautions for operating the navigation

- During route guidance, always obey the actual traffic regulations. Failure to do so may cause a traffic accident.
- The route is searched using the map data on the map card. Sometimes it may differ from actual restrictions for construction, one-way rules, and other traffic rules. Always obey the actual traffic regulations.
- Traffic rules that depend on the time of day reflect the time at which the route was searched. When driving the route, always obey the actual traffic regulations.
- The distance your car has travelled is measured with the speed sensor (and this speed is proportional to the rotation rate of the tyres).When the tyres are new, if you have non-standard tyres, or if the tyre air pressure is not correct, error inputs the distance measurement more easily and the location of your car may not be displayed correctly.
- The route is a reference route to around the destination. It is not the shortest route or the route most free of traffic congestion.
- While you are driving, the amount of road information displayed is restricted and some roads may not be displayed.(For example, narrow streets)
- If the distance to the destination is extremely short or extremely long, route search may be impossible.
- Even if you travel off the route, the route is automatically recalculated.
- The estimated time of arrival varies with the road conditions and how you drive.

Navigation Screen

This section explains the navigation map screen and the display contents for the menu screens.

Map Display Contents

The map screens include the current location screen and scroll screens *(P31)*.

Current Location Screen

This section explains the contents displayed on the current location screen, which is displayed when you press the **MAP** key.

1) **Route guidance mark**
   The road you are to drive is indicated by an arrow.
   With the [Screen] "Searched Root", you can select [Arrow] or [Line].
   →*"Navi Settings"(P144)*

2) **Junction guidance icon**
   Shows the distance until the next junction to turn and which way to turn. Touching this displays the junction guidance map.
   →*"Check the Next Junction to Turn"(P58)*

3) ▲ *(P33)*
   Displays a sub-menu.

4) **Icons** *(P32)*
   Displays the current telephone and audio status.

5) **Clock**
   Displays the current time using 12- or 24-hour time.

6) **Car's location mark**
   The arrow shows the location of your car and the direction of the arrow shows the direction you are travelling in.

7) **Direction icon**
   Touching this displays the map switching screen.
   →*"Select the Map Screen"(P34)*

8) **Scale icon**
   Shows the scale of the displayed map. Touching this changes the scale.
   →*"Switch the Scale"(P40)*

9) **Destination/waypoint information**
   Shows the time, direction, and distance to the destination or waypoint. Each time you touch this, the display switches to the estimated time of arrival, time remaining, and local time. The time and distance at this time are the expected time of arrival, time remaining, or local time and distance to the destination or waypoint from a location off the route.
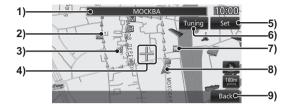
> **ADVICE**
> - The menu items vary with the navigation settings and travel status. Some items may not be displayed.
> - To make the explanation clearer, the navigation images in this manual leave out some landmarks.

Scroll Screens

This section explains the contents displayed on the scroll screens displayed when the map is scrolled or after a search is performed *(P40)*.

1) City name

If there is a city name for the cursor position, this city name is displayed.

2) 1 mark

The set waypoints *(P61)* are shown with the 1 mark.
Up to 5 waypoints can be set. They are shown with 1 , 2 , 3 , 4 , 5 in the order in which they are passed.

3) mark

The set destination *(P47)* is shown with the mark.

4) mark

The Cursor mark is displayed at the centre point of the location scrolled to.

5) Set

Displays the scroll menu *(P32)*.
Allows you to set the destination, waypoints, and address book.

6) Tuning

The mark position can be fine tuned.
→*"Scroll Fine Adjustment"(P41)*

7) POI icons

Trademarks, sight-seeing areas, etc. are shown with these marks.

8) mark

Shows the starting point with the mark.

9) Back

Returns to the previous screen.

NAVI

Basic Operation
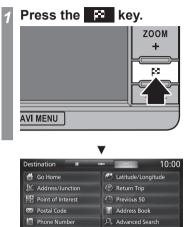
Individual Icons

This section explains the icons displayed on the current location screen *(P30)*.

🅱	Displayed when connected to Bluetooth. →*"Bluetooth Setting"(P158)*
📶 📶	Displays the signal strength and whether or not the phone is roaming.
TEL	Displayed when the phone is used. Redisplays the phone operation panel *(P133)*.
AV icon	Displays the status of the audio source currently being used. Touching this switches to the audio screen. For details, see *"AV Icons"(P78)*. Whether or not to display can be selected with [Screen] "Other Indicator Icons". →*"Navi Settings"(P144)*

Display the Destination Menu

You can set the destination and erase routes from this menu screen.

1 Press the ▦ key.

▼

This displays the destination menu.

Display the Scroll Menu

You can set the location scrolled *(P40)* to ╬ as the destination or set it in the address book.

ADVICE

- You can also display the scroll menu from the map screen displayed with search results by touching [Adjust], and then [Set].

1 On the scroll screen, touch Set .

▼

The scroll menu is displayed.

Set as Dest.	The ┿ location can be set as the destination. →"Set as the Destination"(P42)
Address Book	The ┿ location can be registered.→"Set in the Address Book"(P43)
POI nearby	Establishments around the ┿ location can be searched for. →"Search for Nearby Establishments"(P43)
Location check	The position of ┿ location relative to the current location can be checked. →"Check the Location of Your Car."(P44)
Back	Returns to the previous screen.

This section explains how to display the sub-menu displayed from the current location screen *(P30)*.

1 **On the current location screen, touch ▲ .**

▼

This displays the sub-menu.

ADVICE
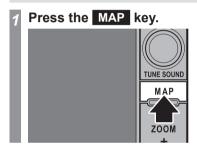
• In this manual, the touch switch for displaying a sub-menu is shown as ▲ .
• On a screen on which ▲ is displayed, you can display sub-menus for each function by touching that.

Display the Current Location Screen

You can display the current location screen *(P30)* from the scroll screen *(P31)*, destination menu *(P32)*, scroll menu *(P32)*, etc.

ADVICE

• You can also display the current location screen from the AV screen, the info screen, and other functions.

1 **Press the MAP key.**

▼

This displays the current location screen of the navigation screen.

NAVI

Basic Operation

Select the Map Screen

You can change the map type and reference orientation.

1 Touch the "Direction icon".

Direction icon

2 Touch either "Type" or "Reference orientation".

Type

Reference orientation

3 Touch Set .

▼

The map type or reference orientation is changed.

However, it is not possible to display a 3D view map on the left screen.

Types of Maps

This section explains the types of maps you can change to.

One Map

You can display the standard map on one screen.

Two Maps

You can display two maps with different scales at the same time.

ADVICE

- You can make the right screen a 3D view map.

Motorway Info

This displays a list of motorway exit service areas with the current location as the starting point.

Turn List

This displays a list of the locations for route guidance on the left screen.

P side P

Displays a sub-screen and displays the audio status, trip information, etc. at the same time as the map. You can change the information displayed on the sub-screen.
→*"Change the P side P Display Information"(P37)*

Arrow Guide

The location for the next route guidance is displayed with an arrow on the left screen.

Map Reference Orientation

This section explains the map reference orientation, which you can change.

2D(H-up)

This displays a map with the direction in which you car is moving as up.

(Red)

2D(N-up)

This displays a map with north as up.

(Red)

2D(Auto)

This automatically changes between "H-up" and "N-up" linked with the map scale. For scales of 100 m and less, changes to "H-up" and for scales of 250 m and more, changes to "N-up".

(Blue)

3D

This displays a map as seen looking down from above.

ADVICE

• On the 3D view map, if you touch [Navi Menu], [Screen], and [Change 3D point of view], you can change the point of view.

Change the P side P Display Information

Change the information displayed on the P side P sub-screen.

1 **Touch the "Direction icon".**

Direction icon

2 **Touch** `PsideP` **.**

3 **Touch** `Set` **.**

4 **Touch** `PsideP` **.**

5 **Touch the "item" to display.**

▼

The screen for the selected item is displayed on the left screen.

Guidance Display

This product displays various guidance according to the situation.

Junction Guidance Map

When you are travelling the route, as you approach a guidance point, this map is displayed together with the voice guidance. It shows the distance to the junction, the name of the junction, and the name of the area.

ADVICE

• To display manually, touch the "Junction guidance icon".

Junction guidance icon

Toll Booth Guidance Map

Displayed when you approach a toll booth.

⚠ CAUTION

• Car's location mark is not displayed.
• Guidance is not given for all toll booths.

Ferry/Car Train Guidance Map

Displayed when you approach the boarding point while you are travelling a route that uses a ferry or car train.

Lane Guidance

Displayed when there is lane information for the junction ahead.

ADVICE

• This is not displayed while the motorway simplified map is displayed.
• While you are travelling the route, the recommended route is displayed in yellow and the lane you can travel along the route is displayed in light blue.
• There is also audio lane guidance.
• Lane information is displayed for the junction indicated with the arrow.
• Guidance is not given for all lanes.
• Sometimes the actual lanes differ from the guidance.

Junction View

When you approach a junction on a motorway, the actual junction configuration, which way to go, the junction name, etc. are displayed.

⚠ **CAUTION**

- Car's location mark is not displayed.
- Sometimes the actual junction configuration differs from the guidance.

Curve Guidance

Warnings are given by audio and with an icon if you try to take a curve too fast.
It is necessary to set the [Guidance] "Curve Guidance" [On].
→"Navi Settings"(P144)

Speed Indicator Guidance

Displayed if there is speed indicator information while you are driving.

⚠ **CAUTION**

- Sometimes the actual speed indicators differ from the guidance.

ADVICE

- Guidance is not given for all speed indicators along roads.
- It is necessary to set the [Screen] "Speed Indicator" "On".
→"Navi Settings"(P144)

NAVI

Basic Operation

Operate the Map

This section explains how to perform such operations as changing the scale and scrolling the map.

Switch the Scale

You can view a wide range or a detailed range.

1 **Touch the "scale icon".**

Scale Icon

▼

This displays the scale change bar.

2 **Touch ⌄ .**

Each time you touch this, the map is displayed in more detail.

3 **Touch ⌃ .**

Each time you touch this, the map is displayed wider.

• By holding down ⌄ or ⌃ , you can use the free zoom function displaying gradually in four steps to the next scale.

Scroll the Map

This is used to move from the current location screen to another location and check the map.

ADVICE

• While you are scrolling, sometimes part of the map is not displayed. They do not indicate a malfunction.
• With [Screen] "2 Screen Scroll", when you scroll while displaying "Two Maps", you can select whether to continue to display two screens or to switch to one screen.→*"Navi Settings"(P144)*
• With [Screen] "3D Scroll", when you scroll while displaying in "3D", you can select whether to continue to display in 3D or to switch to 2D.
→*"Navi Settings"(P144)*

1 **Touch the location to view.**

▼

The ✚ mark is aligned with the location you are searching.

ADVICE

• Touching [Back] returns the display to the current location screen *(P30)*.
• Holding this down lets you scroll continuously.
• Touching [Set] displays the scroll menu. You can set the destination, waypoints, and address book.
→*"Display the Scroll Menu"(P32)*

Scroll Fine Adjustment

This finely adjusts the scroll position.

1 **After scrolling, touch**
   Tuning .

2 **Touch the direction.**

Touch a few times to finely adjust.

3 **Touch Tuning Off .**

▼

This completes the fine adjustment.

Operations from the Scroll Menu

When you display the scroll menu, you can set the destination, waypoints, address book, etc.

Set as the Destination

Set the scroll screen *(P31)* ✛ location as the destination.

ADVICE

- If a route has already been set, that route is erased and ✛ is set as the new destination.

1 **Display the scroll menu *(P32)*.**

2 **Touch** Set as Dest. **.**

▼

This displays the guidance start screen *(P57)*.
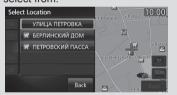
3 **Touch** Start **.**

▼

The search for the route to the destination is complete and route guidance starts.

ADVICE

- If there is establishment information for the ✛ location, a list of these establishments is displayed for you to select from.

Set as the Waypoint

Set the scroll screen *(P31)* ✛ location as a waypoint.

ADVICE

- It is necessary to set a destination.

1 **Display the scroll menu *(P32)*.**

2 **Touch** Set as Dest. **, and then** Itinerary List **.**

3 **Touch** Add **for the location to add.**

4 **Touch** Start **.**

▼

The search for the route to the destination via the waypoints is complete and route guidance starts.

Set in the Address Book

Set the scroll screen *(P31)* ✛ location as an address in the address book.

1 Display the scroll menu *(P32)*.

2 Touch Address Book .

▼

Address Book	10:00
Icon	◎ Change Adjust
Name	МОСКОВСКИЙ ДОМ ХУДОЖНИКА
Street	НЕЦКИЙ МОСТ 11
City	
Country	RUSSIA
Tel	+(7) -4959285905
Set to Addr. Book	Back

The ⊠ mark is displayed at the searched for location and the address book information screen *(P74)* is displayed.

3 Touch Set to Addr. Book .

▼

Registration of the location is complete.

ADVICE

• You can change the address book information displayed here.
→*"Change Address Book Information"(P74)*

Search for Nearby Establishments

Search for establishments around *(P31)* ✛ location on the scroll screen.
Here, as an example, petrol stations are searched for around the ✛ location.

1 Display the scroll menu *(P32)*.

2 Touch POI nearby .

3 Touch PETROL STATION in "My Categories".

POI Nearby		10:00
My Categories	Last5	All
🏢 +	🏪 +	P +
MITSUBISHI MOTORS	PETROL STATION	PARKING
🍴 +	🚗 +	⊕
RESTAURANT (ALL TYPES)	HOTEL	HOSPITAL
Edit		Back

My Categories	Allows you to select from the pre-registered, frequently used categories.→*"Editing My Categories"(P52)*
Last 5	Allows you to select from the five most recently searched items.
All	Allows you to select from all categories. When [All] has been touched, you can sort in order of genre or by alphabetical order of name by touching [Sort by Genre] or [Sort by Alphabet].

---

4 Touch any "type".

Sub-Category : PETROL STATION	33item(s)	10:00
≫	ALL TYPES	
⌃	LUKOIL	
	TNK	
⌄	ROSNEFT'	
≫	SHELL	
		Back

ADVICE

• Touching [info] displays a map of the surroundings and related information.
• Touching [Refresh] start a search again.

---

5 Touch the "establishment" you are searching for.

		100item(s)	10:00
≫	THK	🔖 54km	Info
⌃	THK	🔖 58km	Info
	АЗС ТАНДЕМ	🔖 58km	Info
⌄	ЛУКОЙЛ	🔖 62km	Info
≫	AMI	🔖 64km	Info
Refresh			Back

▼

This displays a map of the surroundings and related information for the selected establishment.

NAVI

Basic Operation

Check the Location of Your Car.

You can check the relationship between the scroll screen *(P31)* ✛ location and your current location.

1 **Display the scroll menu** *(P32)*.

2 **Touch** Location check **.**

▼

You can check the relationship between your current location and the cursor location.

ADVICE

- The location with the ▌ mark is the cursor location.

Motorway Information

When you drive on a motorway, "Motorway Info" *(P35)* is displayed. You can check service area and parking area establishment information and junction information.

Display Contents

1) МКАД
2)
3)
4)

1) Route number and route name

Displays the route number and route name for the motorway current displayed in "Motorway Info".

2) Information display

Displays SA, PA, IC, and JCT names and establishment information with icons.

For a motorway exit, displays information on establishments in the surrounding area.

Touching this displays a map of the surroundings for the selected establishment.

3) Distance display

Displays the distance from your car's location.

4) Your car display

Displayed when a list of the establishments closest to the current location is displayed.

> **ADVICE**
>
> The abbreviations related to motorways used in this manual are as follows.
> • SA: Service area
> • PA: Parking area
> • IC: Interchange
> • JCT: Junction

Information on Establishments

This displays information on the establishment. (Up to for 4 establishments can be displayed.)

Icon	Explanation of marks
⛽	PETROL STATION
🍴	REATAURANT
⛺	REST AREA
🛏	HOTEL
🏧	ATM
💴	BANK

Basic Operation

Displaying

With the factory settings, when you drive on a motorway, "Motorway Info" *(P35)* is displayed automatically, so no operation is required.
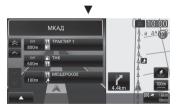
- If you set the [Screen] "Motorway Simplified Map Automatic Display" to [Not Display], this operation is performed.
  →*"Navi Settings"(P144)*
- If your car is not on a motorway, "Motorway Info" cannot displayed.

1 **Touch the "Direction icon".**

2 **Touch Motorway Info , and then SET .**

▼

This displays "Motorway Info".

Check Area Information

You can check information on SA, PA, IC, and JCT and you can display maps of their surroundings.

1 **Touch ∨ or ∧ .**

▼

You can move forward and back through the "Motorway Info". Establishment information is also displayed.

ADVICE

- You cannot go back farther than the location of your car.

2 **Touch the "establishment to check."**

▼

This displays a map of the surroundings for the selected establishment.

ADVICE

- Touching [Set] displays the scroll menu. You can set the destination, waypoints, and address book.
  →*"Display the Scroll Menu"(P32)*

Destination Settings

Set Your Home as the Destination

You can set your pre-registered home *(P68)* as the destination.

1 Press the ⊞ key.

This displays the destination menu.

2 Touch [Go Home].

▼

```
Destination Confirmation          10:00
My Home
  УЛИЦА РОЗАНОВА                        Show
MOCKBA                                  Route
RUSSIA                                  Itinerary
Lat.:      55°46'14"N                   List
Lon.:      37°32'08"E                   Address
                                        Book
           Start
                                        N
                                        100m
  Home              Adjust    Back
```

This displays the guidance start screen *(P57)*.

ADVICE

- If you have not registered your home, this displays a screen asking if you want to register it, then the setting screen is displayed.→*"Register a Home Location"(P68)*

3 Touch [Start].

▼

The search for the route with your home as the destination is complete and route guidance starts.

Set the Searched for Location as the Destination

This section explains the series of operations for setting the location searched for with *"Search for a Location"(P49)* as the destination.

1 Press the ▦ key.

This displays the destination menu.

2 Touch any "search method" and search for the location.

Destination	▦	▦▦	▭	10:00
🏠 Go Home		🧭 Latitude/Longitude		
🗺 Address/Junction		🔄 Return Trip		
🏢 Point of Interest		🔄 Previous 50		
✉ Postal Code		📖 Address Book		
📋 Phone Number		🔍 Advanced Search		
▲				Delete Route

3 When the location you searched for is displayed, touch Start .

The search for the route that has the searched for location as its destination is complete and route guidance starts.

ADVICE

• Depending on the search method, the establishment name and telephone number may not be displayed.

Search for a Location

With this product, you can use various methods to search for locations.
The location searched for here is used when setting the destination *(P47)*, a waypoint *(P61)*, or an address in the address book *(P68)*.
This section explains the method for searching from the destination menu *(P22)*.

Load from the Address Book

Loads Address Book.

1 **Press the [ ] key, then touch Address Book .**

This displays the address book list.

2 **Touch the "location" to load.**

Address Book		5item(s)	10:00
Sort by:	Icon	Name Date	Use
АРКАДИЯ		12 09 01	Info
АВИН		12 09 01	Info
АВТОМИР		12 09 01	Info
ВНУКОВО 1		12 09 01	Info
АЭРОПОРТ ВНУКОВО		12 09 01	Info
New	Edit	Delete	Back

▼

This displays the guidance start screen *(P57)*.

ADVICE

• Touching [info] displays a map of the surroundings and related information.
• While the guidance start screen is displayed, touching [Address Book] allows you to set a location in the address book.→*"Set an Address in the Address Book"(P72)*

Load a Frequently Used Location from the Address Book

1 **Press the [ ] key.**

This displays the destination menu.

2 **Touch ▲ .**

3 **Touch the "number" to load.**

Destination	10:00
Go Home	Latitude/Longitude
Address/Junction	Return Trip
Point of Interest	Previous 50
Postal Code	Address Book
Phone Number	Advanced Search
▼ 1 2 3 4 5	Delete Route

▼
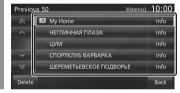
This displays the guidance start screen *(P57)*.

Use the Search History

You can use the search history of locations that were set as the destination and display again a map of the surroundings.

ADVICE

• The search history contains the most recent 50 items.

1 **Press the [ ] key, then touch Previous 50 .**

2 **Touch the "location" you are searching for.**

Previous 50	30item(s) 10:00
⌃ My Home	Info
⌃ НЕГЛИННАЯ ПЛАЗА	Info
ЦУМ	Info
⌄ СПОРТКЛУБ ВАРВАРКА	Info
⌄ ШЕРЕМЕТЬЕВСКОЕ ПОДВОРЬЕ	Info
Delete	Back

▼

This displays the guidance start screen *(P57)*.

ADVICE
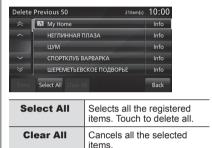
• Touching [info] displays a map of the surroundings and related information.

Deleting from the Search History

You can delete a registered search history.

1 Press the 🏁 key, then touch
Previous 50 .

2 Touch Delete .

3 Touch the "location" to delete.

Delete Previous 50	21item(s) 10:00
🏠 My Home	Info
НЕГЛИННАЯ ПЛАЗА	Info
ЦУМ	Info
СПОРТКЛУБ ВАРВАРКА	Info
ШЕРЕМЕТЬЕВСКОЕ ПОДВОРЬЕ	Info
Done Select All Clear All	Back

Select All	Selects all the registered items. Touch to delete all.
Clear All	Cancels all the selected items.

4 Touch Done .

5 Touch Yes .

▼

The search history deletion is complete.

Search from Address

Searches for a location from an address.

1 Press the 🏁 key, then touch
Address/Junction. .

2 Touch the item, then input the "address".

Address/Junction	10:00
Country	RUSSIA	Last5
City	All Cities	Last5
Street	All Streets	Last5
House #	All House Numbers	
Junction	All Junctions	
Set		Back

3 Touch Set .

▼

This displays the guidance start screen *(P57)*.

ADVICE

- Touching [Last 5] allows you to select from among the last 5 searches.
- [All Junctions] can be selected when the street is input.
- Depending on the state of the information recorded in the map data, representative locations for that area may be displayed.

Search by Inputting an Establishment Name

The name of an establishment can be input to search for its location.

1 Press the 🏁 key, then touch
Point of Interest .

Touching [Last 5] allows you to select from among the last 5 searches.

2 Touch All Cities , then input the "city name".

City Name Input	>999item(s) 10:00
A|	◀ Clear All
‹ АГА АКРО АКВА АИНА ›	
1 2 3 4 5 6 7 8 9 0 . ( )	
А Б В Г Д Е Ё Ж З И Й К Л	
М Н О П Р С Т У Ф Х Ц Ч Ш	
Щ Ъ Ы Ь Э Ю Я Е	More
Set List Keyword	Back

3 **Touch** All Categories **, then input the "category name".**

You can skip the category input and perform the operation in Step 4.
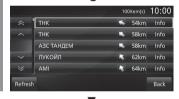
My Categories	Allows you to select from the pre-registered, frequently used categories.→"Editing My Categories"(P52)
Last 5	Allows you to select from the five most recently searched items.
All	Allows you to select from all categories. When [All] has been touched, you can sort in order of genre or by alphabetical order of name by touching [Sort by Genre] or [Sort by Alphabet].

4 **Touch** All POIs **, then input the "name of the establishment" you are searching for.**

→"Input assist for searches"(P19)
You can search without inputting the entire establishment name.

5 **Touch** List **.**

When you have input the first few characters of the establishment name, if there is only one candidate left, proceed to Step 7.
If there are 5 or less candidates, a list is displayed automatically.

6 **Touch the "establishment" you are searching for.**

• If the list has the "+" mark, touch [Sub POI], select the detailed establishment name.

A list is displayed and you can select the detailed establishment.

7 **Touch** Set **.**

▼

This displays the guidance start screen (P57).

NAVI

Destination Settings

Editing My Categories

Registers a frequently used establishment category in "My Categories".
Up to 6 entries can be registered in "My Categories".

1 **Press the 🏁 key, then touch
Point of Interest .**

2 **Touch All Categories .**

3 **Touch Edit .**

4 **Touch the "category"
to register.**

The registered category is displayed inverted.

Default	Restores the factory settings.
Clear All	Cancels all the registered categories.
Sort by Alphabet or Sort by Genre	Sorts by genre or in alphabetical order by name.

5 **Touch Back .**

Returns to the previous screen.

Search for Nearby Establishments

You can search for establishments near the current location and destination and along the route.

Searching for Establishments around the Current Location

As an example, search for petrol stations.

1 **Press the 🏁 key, then touch
Advanced Search .**

2 **Touch POI nearby .**

3 **Touch PETROL STATION .**

4 **Touch any "Sub-Category".**

5 Touch the "establishment" you are searching for.

		63item(s)	10:00
⌃	ЛУКОЙЛ	64km	Info
⌃	ЛУКОЙЛ	64km	Info
	АЗС	62km	Info
⌄	ЛУКОЙЛ	62km	Info
⌄	ОБЛДОРТРАНС, АЗС, ООО	62km	Info
Refresh			Back

▼

This displays the guidance start screen *(P57)*.

Searching for Establishments near the Route

1 Press the ⊞ key, then touch Advanced Search .

2 Touch POI along Route .

▼

POI along Route		10:00
My Categories	Last5	All
⊞ +	⊞ +	P +
MITSUBISHI MOTORS	PETROL STATION	PARKING
⊞	⊞ +	⊞
RESTAURANT (ALL TYPES)	HOTEL	HOSPITAL
Edit		Back

The rest of the procedure is the same as from Step 3 onward in *"Searching for Establishments around the Current Location"(P52)*.

Searching for Establishments near the Destination or a Waypoint

1 Press the ⊞ key, then touch Advanced Search .

2 Touch POI by Dest./Inter.dest. .

3 Touch the "location" to search for.

▼

POI by Dest. /Inter. dest.		10:00
My Categories	Last5	All
⊞ +	⊞ +	P +
MITSUBISHI MOTORS	PETROL STATION	PARKING
⊞	⊞ +	⊞
RESTAURANT (ALL TYPES)	HOTEL	HOSPITAL
Edit		Back

The rest of the procedure is the same as from Step 3 onward in *"Searching for Establishments around the Current Location"(P52)*.

NAVI

Destination Settings

Searching for Establishments near a Street

This searches for establishments near any desired street.

1 **Press the ⊞ key, then touch Advanced Search .**

2 **Touch POI along a Street .**

3 **Touch an item, then input the "location".**

POI along a Street		10:00
Country	RUSSIA	Last5
City	All Cities	Last5
Street	All Streets	Last5
Category	All Categories	
Point of Interest	All POIs	
Set		Back

ADVICE

- Touching [Last 5] allows you to select from among the last 5 searches.
- If there are no establishments near the input location, "No POI found." is displayed, so touch [OK] and set a different location.

4 **Input the "category" for the establishment you are searching for.**

POI Category List	10:00
🏬 DEPARTMENT STORE	
🏪 GROCERY SHOP	
🏠 HOME SPEC. STORE	
⊞ HOSPITAL	
🍴 INTERNATIONAL	
	Back

5 **Input the "name of the establishment" you are searching for.**

POI Name Input	4item(s)	10:00
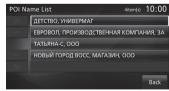
→"Input assist for searches"(P19)
You can search without inputting the entire establishment name.

6 **Touch List .**

When you have input the first few characters of the establishment name, if there is only one candidate left, proceed to Step 8.
If there are 5 or less candidates, a list is displayed automatically.

7 **Touch the "establishment" you are searching for.**

POI Name List	4item(s)	10:00
ДЕТСТВО, УНИВЕРМАГ		
ЕВРОВОЛ, ПРОИЗВОДСТВЕННАЯ КОМПАНИЯ, ЗА		
ТАТЬЯНА-С, ООО		
НОВЫЙ ГОРОД ВОСС, МАГАЗИН, ООО		
		Back

8 **Touch Set .**

▼

This displays the guidance start screen *(P57)*.

Searching for Establishments along a Motorway or near an Exit

This searches for establishments along a motorway or near an exit. You can only use this when you are driving on a motorway.

1 **Press the ⊞ key, then touch Advanced Search .**

2 **Touch POI at Motorway .**

3 **Touch the "establishment" you are searching for.**

POI at Motorway	10:00
1.0km 🍴 ТРАКТИР 1	☰
800m ТНК 🍴	☰
350m 🍴 МЕЩЕРСКОЕ	☰
Set МКАД	Back 18km 19min

If there are multiple establishments, ☰ is displayed for you to select from by touch.

4 **Touch Set .**

▼

This displays the guidance start screen *(P57)*.

Search from Telephone Number

Used when you know the telephone number of the location you are searching for.

1 **Press the 🅿 key, then touch** Phone Number **.**

2 **Input the "telephone number".**

Phone Number Search				10:00
1_		◀	Clear All	
RUSSIA	1	2	3	
Country Code: + 7	4	5	6	+
	7	8	9	-
Country	*	0	#	
Set				Back

3 **Touch** Set **.**

▼

This displays the guidance start screen *(P57)*.

___ADVICE___

• Private homes cannot be searched for.

Search from Postal Code

Used when you know the postal code of the location you are searching for.

1 **Press the 🅿 key, then touch** Postal Code **.**

2 **Touch** All Postal Codes **.**

Besides searching by "postal code", you can also narrow the search by inputting the "street", "House#", or "junction".

3 **Input the "postal code".**

→*"Input assist for searches"(P19)*

Postal Code Input					104item(s)	10:00
10[					◀	Clear All
◀	101000	103009	103050	103070		▶
1	2	3	4	5	6	7	8	9	0
A	B	C	D	E	F	G	H	I	J
K	L	M	N	O	P	Q	R	S	T
U	V	W	X	Y	Z	_	(	)	More
Set	List					Back

4 **Touch** Set **.**

▼

This displays the guidance start screen *(P57)*.

Search by Latitude and Longitude

You can set the destination by specifying the latitude and longitude.

1 **Press the 🅿 key, then touch** Latitude/Longitude **.**

2 **Touch** Latitude **or** Longitude **.**

Latitude/Longitude					10:00
Latitude	◀	55	45 '	22 "	N	▶
Longitude	◀	037	36 '	51 "	E	▶
1	2	3		N	
4	5	6	W		E
7	8	9		S	
0					
Set					Back

3 **Input the "latitude" or "longitude" you are searching for.**

→*"Keyboard for Number Input"(P19)*

Latitude/Longitude					10:00
Latitude	◀	55	45 '	22 "	N	▶
Longitude	◀	037	36 '	51 "	E	▶
1	2	3		N	
4	5	6	W		E
7	8	9		S	
0					
Set					Back

4 **Touch** Set **.**

▼

This displays the guidance start screen *(P57)*.

Set the Start Location as the Destination

You can set the start location set for the route as a new destination.

1 **Press the** 🏁 **key, then touch** Return Trip **.**

▼

This displays the guidance start screen *(P57)*.

Guidance Start Screen

This is the screen displayed when the location to set as the destination is decided.
This section explains the operations you can do on this screen.

1) Location information

When such location information as the "establishment name", "street name", "city name", "country name", "latitude", "longitude", or "telephone number" has been obtained, it is displayed.

2) Start

The search is executed and route guidance is started.

3) Dial

If a mobile phone is connected, you can call the establishment.
→"Call a Telephone NumberRegistered on the Map"(P132)

4) Home

If your home is not registered, you can register the searched for location as your home.

5) Show Route

Sets the currently searched for location as the destination and shows a simple sketch of the route. You can check the route and change the search conditions.
→"Show Route"(P57)

6) Itinerary List

You can change the destination, add waypoints, and change the route search conditions.
→"Set and Change a Waypoint"(P61)

7) Address Book

Registers the search for location in the address book.
→"Set an Address in the Address Book"(P72)

8) Adjust *

You can scroll the map and change the location.

* When the destination setting is set when scrolling the map, it is not displayed.

This section explains the screen displayed when you touch [Show Route].

Start	Starts route guidance.
Modify	Displays the Itinerary List screen.
Preview	Scrolls the map along the route. →"Check the Route"(P58)
Rt.Outline	Displays a list of junctions at which turns must be made on the route to the destination. →"Route Outline"(P60)
4 Routes	Displays the overall route to check four routes and allows you to change the search conditions. →"Select from Four Routes"(P64)
Options	Detailed settings can be set concerning the route. →"Change Search Conditions"(P61)
Info mark	Touching the mark displayed at "Info" will display a map of the surroundings and related information.

NAVI

Destination Settings

Route Checking and Changing

Route Checking

If a route has been set, you can check it.

Check the Next Junction to Turn

When the route you are travelling has a junction ahead where you must turn left or right, you can have audio guidance and junction guidance map display provided ahead of time.

> **ADVICE**
> - You must be travelling a route.
> - For some maps, only audio guidance is provided.

1 **On the current location screen, touch the "junction guidance icon".**

▼

This displays an expanded map of the junction to turn next.

Check the Route

You can scroll along the route to check and check maps of the surroundings.

> **ADVICE**
> - During checking, the map type displayed is One Map 2D (N-up).
> - The same operations can also be carried out on *"Show Route"(P57)* by touching [Preview].

1 **Press the** NAVI MENU **key or touch** Route Menu **.**

2 **Touch** View Route **.**

3 **Touch** Preview **.**

4 **Touch the route "check method".**

▼

The map changes to match the check method selected.

Types of Check Methods

Backward	Scrolls from the destination toward the start location.
Stop	Stops scrolling for going backward or forward.
Forward	Scrolls from the start location toward the destination.
Back	Ends scrolling.

This displays the map at a scale that allows you to check the route from the start location to the destination.

1 **On the current location screen, touch ▲ .**

2 **Touch Confirm Route .**

3 **Touch Entire Route .**

▼

This displays a map screen showing the entire route.

Types of Icons on Map

▮	Shows the start location.
▲	Shows the location of your car.
▓	Shows the destination.
1	Shows the waypoints that have been set.

Remaining

This displays the map at a scale that can display all of the route that has not been travelled yet.

1 **Press the NAVI MENU key or touch Route Menu .**

2 **Touch View Route .**

3 **Touch Remaining .**

▼

This displays the remaining route.

ADVICE

• When the current location screen is displayed, you can also perform the same operations by touching ▲ , [Confirm Route], and [Remaining Route].

Route Outline

This displays a list of junctions at which turns must be made on the route to the destination.

1 **Press the** NAVI MENU **key or touch** Route Menu **.**

2 **Touch** View Route **.**

3 **Touch** Rt.Outline **.**

▼

This displays a list of junctions at which turns must be made.

> ### ADVICE
>
> • If you touch one of the junctions in the list, a map of the area around that junction is displayed.

View a Demo Trip

You can travel the prepared route virtually to check.

> ### ADVICE
>
> • Once you have actually driven the route and arrived at the destination, you cannot run the demo trip.

1 **Press the** NAVI MENU **key.**

This displays the navi menu.

2 **Touch** Start Demo **.**

▼

This displays "Demo" and starts the demo trip.

Ending

1 **During the demo trip, press the** NAVI MENU **key.**

This displays the navi menu.

2 **Touch** Stop Demo **.**

▼

This ends the demo trip.

> ### ADVICE
>
> Besides this operation, the demo trip also ends if any of the following conditions is met.
> • The trip is actually started.
> • The destination or a waypoint is changed. Or deleted.
> • The ignition key is switched to "OFF".
> • A search condition is changed.
> • On the itinerary list screen, [Show Route] is touched.

Change the Route

A detour route or a different route can be set for the route currently set. The route search method can also be changed.

1 **Press the** NAVI MENU **key.**

This displays the navi menu.

2 **Touch** Route Menu **, and then** Itinerary **.**

▼

Itinerary List			10:00
1 ГЕРАКЛ		Info	Show Route
L'ORANG ARBAT		Info	
			Re-order
			Add
			Delete
			Options
Start			Back

This displays the itinerary list.

Change Search Conditions

You can change the route search conditions.

1 **On the itinerary list screen, touch** Options **.**

2 **Touch the "search condition" to set.**

→"Route Options"(P149)

Route Options			10:00
F Route Priority			
	Fast	Short Easy	Eco
Minimize Motorways			
		On	Off
Minimize Toll Roads			
		On	Off
Default			Back

3 **Touch** Back **.**

4 **Touch** Start **.**

▼

The search using the set condition is complete.

Set and Change a Waypoint

> **ADVICE**
> • Set the destination before setting any waypoint.
> • Up to 5 waypoints can be set.

Setting a Waypoint

This section explains the method for setting a waypoint when none has been set yet.

> **ADVICE**
> • You can also set a waypoint from the scroll menu *(P32)*.

1 **On the itinerary list screen, touch** Add **.**

2 **Touch any "search method" and search for the location.**

Destination Search		10:00
Address/Junction		Postal Code
Point of Interest		Phone Number
Advanced Search		Map point
Previous 50		Latitude/Longitude
Address Book		Return Trip
Home		
		Back

→"Search Method Selection Screen"(P62)

3 **Touch** Itinerary List **.**

NAVI

Route Checking and Changing

4 Touch Add **for the location to add.**

Add to Itinerary List	10:00
Add ▶	
Add ▶ 1 ГЕРАКЛ	
Add ▶ L'ORANG ARBAT	
	Back

▼

Itinerary List	10:00
1 ГЕРАКЛ	Info / Show Route
2 L'ORANG ARBAT	Info / Re-order
ВНУКОВО 1	Info / Add
	Delete
	Options
Start	Back

This sets the waypoint and displays the itinerary list screen *(P61)*.

Search Method Selection Screen

Destination Search	10:00
Address/Junction	Postal Code
Point of Interest	Phone Number
Advanced Search	Map point
Previous 50	Latitude/Longitude
Address Book	Return Trip
Home	
	Back

Address/ Junction	Searches for a location from an address. The procedure is the same as from Step 2 onward in *"Search from Address"(P50)*.
Point of Interest	The name of an establishment can be entered to search for its location. The procedure is the same as from Step 2 onward in *"Search by Inputting an Establishment Name"(P50)*.
Advanced Search	Searches for establishments near the current location and destination and near the route. →*"Search for Nearby Establishments"(P52)*
Previous 50	Uses the search history. The procedure is the same as from Step 2 onward in *"Use the Search History"(P49)*.
Address Book*1	Loads Address Book. The procedure is the same as from Step 2 onward in *"Load from the Address Book"(P49)*.
Home*2	Loads own home.
Postal Code	Used when you know the postal code of the location you are searching for. The procedure is the same as from Step 2 onward in *"Search from Postal Code"(P55)*.
Phone Number	Used when you know the telephone number of the location you are searching for. The procedure is the same as from Step 2 onward in *"Search from Telephone Number"(P55)*.
Map Point	The location scrolled to on the map *(P40)* can be set.
Latitude/ Longitude	The latitude and longitude can be entered to search for the location. The procedure is the same as from Step 2 onward in *"Search by Latitude and Longitude"(P55)*.
Return Trip	Loads the start location used for route setting.
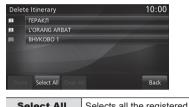
*1 When you set an address in the address book *(P72)*, this is displayed in the menu.

*2 When you register your home *(P68)*, this is displayed in the menu.

Deleting a Waypoint

Delete a set waypoint.

1 On the itinerary list screen, touch Delete .

2 Touch the "waypoint" to delete.

Delete Itinerary		10:00
1	ГЕРАКЛ	
2	L'ORANG ARBAT	
※	ВНУКОВО 1	
Done Select All Clear All		Back

Select All	Selects all the registered items. Touch to delete all.
Clear All	Cancels all the selected items.

3 Touch Done .

4 Touch Yes .

▼

This deletes the waypoint and displays the itinerary list screen *(P61)*.

Operating from a Sub-menu

You can delete the next waypoint you are scheduled to pass through.

1 On the current location screen, touch ▲ .

2 Touch Change Route .

3 Touch Clear Transit Route .

▼

This deletes the next waypoint you are scheduled to pass through and starts the route search.

Re-ordering waypoints

The order for reaching the destination and waypoints is changed.

1 On the itinerary list screen, touch Re-order .

2 Touch "locations" in the order that you want to pass through them.

Re-order		10:00
1 1	ГЕРАКЛ	
2	L'ORANG ARBAT	
※	ВНУКОВО-ВИП	
Done Erase		Back

3 Touch Done .

▼

Itinerary List		10:00
1	ГЕРАКЛ	Info	Show Route
2	ВНУКОВО-ВИП	Info	Re-order
※	L'ORANG ARBAT	Info	Add
			Delete
			Options
Start			Back

The re-ordering of waypoints is complete and the itinerary list screen *(P61)* is displayed.

Select from Four Routes

You can simultaneously search for routes with four different conditions, then select one of them.

> **ADVICE**
>
> • Depending on the road conditions, it may not be possible to search for all four routes.

1 **On the itinerary list screen, touch** Show Route **and** 4Routes **.**

2 **Touch the "search condition" to set.**

The search conditions are the same as for *"Route Options"(P149)* "Route Priority".

▼

This displays the route with the changed search conditions.

Search for a Detour Route

You can search for a route that detours ahead the distance you specify.

> **ADVICE**
>
> • This operation is not possible if the distance to the destination is less than 1 km.

1 **Press the** NAVI MENU **key.**

This displays the navi menu.

2 **Touch** Route Menu **, and then** Detour **.**

3 **Touch the "distance" to detour.**

If you touched [Avoid Street], refer to *"Selecting a detouring road"(P64)*.

▼

The search for the route detouring the set distance is complete and route guidance starts.

> **NOTE**
>
> • You can change the distance unit with [System] [Units].
>   →*"System Settings"(P156)*

Selecting a detouring road

Select the street that will be the starting point and the street that will be the ending point, then set a route that detours that range.

1 **Execute up to Step 2 in** *"Search for a Detour Route"(P64)***.**

2 **Touch** Avoid Street **.**

3 **Touch the "street" you want to set to the starting point.**

If you are detouring only one street, proceed to Step 5.

4 **Touch the "street" you want to set to the ending point.**

5 **Touch** Set **.**

▼

The search for the route detouring the set range of streets is complete and route guidance starts.

Searching for a Different Route

This repeats the searches for the route.

1 **On the current location screen, touch** ▲ **.**

2 **Touch** Change Route **.**

3 **Touch** Alternative Route **.**

▼

The search for a different route is complete and route guidance starts.

Pause Route Guidance

This pauses route guidance.

1 **On the current location screen, touch** ▲ **.**

2 **Touch** Stop Guidance **.**

▼

This pauses route guidance.

ADVICE

• While the route guidance is paused, you can change the destination, waypoints, and search conditions. If you change anything, the search is repeated, then the route guidance starts.

Restarting Guidance

This restarts paused route guidance *(P65)*.

1 **On the current location screen, touch** ▲ **.**

2 **Touch** Start Guidance **.**

▼

The route is searched for again and route guidance starts.

Delete a Route

This deletes the input destination and waypoint and deletes the route.

1 **Press the** NAVI MENU **key.**

This displays the navi menu.

2 **Touch** Route Menu **, and then** Delete Route **.**

3 **Touch** Yes **.**

▼

The deletion of the route is complete and the current location screen *(P30)* is displayed.

ADVICE

• You can also delete the route by touching the ▣ key, and then [Delete Route].

Operating from a Sub-menu

1 **On the current location screen, touch** ▲ **.**

2 **Touch** Change Route **.**

3 **Touch** Delete Route **.**

▼

The deletion of the route is complete.

Register an Avoid Area

You can register and edit areas you want to avoid passing through for route searches.

> **NOTE**
> • Up to 5 avoid areas can be registered.

1 **Press the NAVI MENU key.**

This displays the navi menu.

2 **Touch Route Menu , and then Avoid Areas .**

3 **Touch any Empty .**

Avoid Area List		10:00
Empty	Active	Inactive
Empty	Active	Inactive
Empty	Active	Inactive
Empty	Active	Inactive
Empty	Active	Inactive
Delete		Back

▼

This displays the current location screen.

4 **Touch Search .**

To register the displayed location, proceed to Step 6.

> **ADVICE**
> • You can change the name of the avoid area by touching [Name].
> →*"How to Input Characters"(P18)*
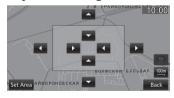
5 **Touch an item, then input the "location".**

Avoid Area Search		10:00
Country	RUSSIA	Last5
City	All Cities	Last5
Street	All Streets	Last5
Set		Back

Touching [Last 5] allows you to select from among the last 5 searches.

6 **Touch Set .**

If you do not want to adjust the area, proceed to Step 12.

7 **Touch Adjust .**

This adjusts the area range.
You can change the location by touching the map screen.

8 **Touch Adjust Size .**

9 **Touch ▲ , ▼ , ◀ , or ▶ to adjust the range.**

10 **Touch Set Area .**

11 **Touch Set Area again.**

12 **Touch Set .**

▼

This displays the avoid area list screen.

Editing an Avoid Area

You can change and set avoid areas.

1 **Execute up to Step 2 in *"Register an Avoid Area"(P66)*.**

2 **Touch Active or Inactive for the set area.**

Active	Sets that route guidance does not take you through the registered area.
Inactive	Sets that route guidance does take you through the registered area.

3 **Touch the "avoid area" to edit.**

▼

This displays the area to edit.

ADVICE
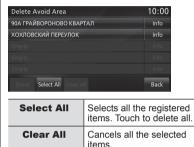
• You can change the avoid area information displayed here. Execute the procedure for Steps 4 through 10 in *"Register an Avoid Area"(P66)*.

4 **Touch Set .**

▼

The editing is complete.

Deleting an Avoid Area

This deletes a registered area.

1 **Execute up to Step 2 in *"Register an Avoid Area"(P66)*.**

2 **Touch Delete .**

3 **Touch the "area" to delete.**

Select All	Selects all the registered items. Touch to delete all.
Clear All	Cancels all the selected items.

4 **Touch Done .**

5 **Touch Yes .**

▼

The deletion of the selected area is complete.

Set an Address in the Address Book

Register a Home Location

If you register your home, it is simple to set a route going home from the location you have gone out to.

ADVICE

- For information on how to set a route returning to your home, refer to *"Set Your Home as the Destination"(P47)*.
- For information on how to delete the registration of your home, refer to *"Erase Your Home Registration"(P69)*.
- You can only register one home.

1 **Press the 🔲 key.**

This displays the destination menu.

2 **Touch │ Go Home │ .**

3 **Touch │ Yes │ .**

4 **Touch │ New │ in "Home Location".**

Personal			10:00
Address Book	New	Edit	Delete
Home Location	New	Edit	Delete
Special Location	New	Edit	Delete
My Categories		Edit	
			Back

5 **Touch any "search method" and search for the location.**

New Location	10:00
Address/Junction	Postal Code
Point of Interest	Phone Number
Advanced Search	Map point
Previous 50	Latitude/Longitude
Address Book	Return Trip
	Back

→*"Search Method Selection Screen"(P62)*

ADVICE

- If the current location is your home, you can register it by simply touching [Map Point].

6 **When the location you searched for is displayed, touch │ Set │ .**

▼

	МОСКВА	
		Tuning	Set
	УЛИЦА РОЗАНОВА	Back

This displays the 🏠 mark at the searched for location and the home address information *(P74)*.

ADVICE

- You can change the address book information displayed here.
  Execute the procedure for Steps 5 and beyond in *"Change Address Book Information"(P74)*.

7 **Touch │ Set as Home │ .**

▼

Registration of your home is complete.

Change the Home Location

You can edit your home information.

1 **Press the** NAVI MENU **key.**

This displays the navi menu.

2 **Touch** Personal **.**

3 **Touch** Edit **in "Home Location".**

▼

Edit My Home		10:00
Icon	Change	Adjust
Name	УЛИЦА РОЗАНОВА	
Street	УЛИЦА РОЗАНОВА	
City	МОСКВА	
Country	RUSSIA	
Tel		
Set as Home		Back

This displays the information in the address book for your home *(P74)*.

ADVICE

• You can change the address book information displayed here.
Execute the procedure for Steps 5 and beyond in *"Change Address Book Information"(P74)*.

---

4 **Touch** Set as Home **.**

▼

Editing of your home is complete.

Erase Your Home Registration

This deletes your home registration.

1 **Execute up to Step 2 in** *"Change the Home Location"(P69)***.**

2 **Touch** Delete **in "Home Location".**

3 **Touch** Yes **.**

▼

Deletion of your home registration is complete.

Set a Frequently Used Location in the Address Book

You can register locations frequently used as a destination or waypoint.

1 **Press the [⊞] key.**

This displays the destination menu.

2 **Touch the "number" to register.**

If no "number" is displayed, touch [▲] .

Destination		10:00
🏠 Go Home		🌐 Latitude/Longitude
📐 Address/Junction		🔄 Return Trip
🏢 Point of Interest		📋 Previous 50
✉ Postal Code		📖 Address Book
📞 Phone Number		🔍 Advanced Search
▼ 1 2 3 4 5		Delete Route
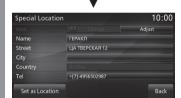
3 **Touch [Yes] .**

4 **Touch the "unregistered list".**

5 **Touch any "search method" and search for the location.**

New Location	10:00
Address/Junction	Postal Code
Point of Interest	Phone Number
Advanced Search	Map point
Previous 50	Latitude/Longitude
Address Book	Return Trip
	Back

→*"Search Method Selection Screen"(P62)*

6 **When the location you searched for is displayed, touch [Set] .**

▼

Special Location	10:00
Icon	🚗 Change	Adjust
Name	ГЕРАКЛ
Street	ЦА ТВЕРСКАЯ 12
City	
Country	RUSSIA
Tel	+(7) 4956502987
Set as Location	Back

This displays the [1] mark at the searched for location and the frequently used location information *(P74)*.

7 **Touch [Set as Location] .**

▼

Frequently used location registration is complete.

Change a Frequently Used Location

You can edit frequently used locations.

1 Press the NAVI MENU key.

This displays the navi menu.

2 Touch Personal .

3 Touch Edit in "Special Location".

▼

Edit Special Location Entries		10:00
1 L'ORANG ARBAT	12 09 01	Info
2 ГЕРАКЛ	12 09 01	Info
3 СРЕТЕНСКИЙ УНИВЕРМАГ	12 09 01	Info
		Info
		Info
		Back

This displays the information in the address book for frequently used locations *(P74)*.

> **ADVICE**
>
> • You can change the address book information displayed here.
> Execute the procedure for Steps 5 and beyond in *"Change Address Book Information"(P74)*.

4 Touch Set as Location .

▼

Frequently used location editing is complete.

Delete a Frequently Used Location

1 Execute up to Step 2 in *"Change a Frequently Used Location"(P71)*.

2 Touch Delete in "Special Location".

3 Touch the "frequently used location" to delete.

4 Touch Done .

5 Touch Yes .

▼

Frequently used location deletion is complete.

Set an Address in the Address Book

Setting a location you have gone to, a location you want to go see, or the like in the address book makes route setting simple.

> **ADVICE**
>
> • Up to 200 addresses can be registered in the address book.

Register the Current Location

This registers the location where you are now (your car's location) from the current location screen.

1 **On the current location screen, touch** ▲ .

2 **Touch** Set Location .

▼

Registration of the current location is complete.

> **ADVICE**
>
> • The address book information screen is not displayed and the address is set in the address book with the name blank.
> • Fill in the blank column of the address book information according to the objective.
> →"Change Address Book Information"(P74)

Register a Searched for Location

This section explains the series of operations for registering a location searched for from the destination menu *(P22)* in the address book.

> **ADVICE**
>
> • You can also register by touching [image] key, [Address Book], and [New].

1 **Press the** [image] **key.**

This displays the destination menu.

2 **Touch any "search method" and search for the location.**

→"Destination Menu"(P22)

3 **When the location you searched for is displayed, touch** Address Book .

> **ADVICE**
>
> • Depending on the search method, the establishment name and telephone number may not be displayed.

4 **Touch** Set to Addr. Book .

▼

This displays the [image] mark at the searched for location
and the address book information screen *(P74)*.

▼

Registration of the search for location is complete.

> **ADVICE**
>
> • You can change the address book information displayed here.
> Execute the procedure for Steps 5 and beyond in *"Change Address Book Information"(P74)*.

Change the List Order

You can change the order of items in the address book list.

1 **Press the 🔳 key.**

This displays the destination menu.

2 **Touch** Address Book **.**

This displays the address book list.

3 **Touch the "order" to change to.**

▼

The list is changed to the selected order.

Types of Order

Icon	Sorts the list of marks in order from the top left.
Name	The marks are displayed in order of the names in the Address Book.
Date	The marks are displayed in order of the newest registration.
Use	Sorts the list of marks in order of marks recently used for route searches and searches using the Address Book.

Delete an Address from the Address Book

Delete an address registered in the address book.

1 **Press the** NAVI MENU **key.**

This displays the navi menu.

2 **Touch** Personal **.**

3 **Touch** Delete **in "Address Book".**

4 **Touch the "address in the address book" to delete.**

Select All	Selects all the registered items. Touch to delete all.
Clear All	Cancels all the selected items.

5 **Touch** Done **.**

6 **Touch** Yes **.**

▼

Deletion of the selected address is complete.

Change Address Book Information

You can change and delete addresses from the address book.

> **ADVICE**
> • The location must already be registered.

1 **Press the 🞖 key.**

This displays the destination menu.

2 **Touch Address Book .**

This displays the address book list.

3 **Touch Edit in "Address Book".**

4 **Touch the "address in the address book" to change.**

Edit Address Book Entries	8item(s)	10:00	
Sort by:	Icon	Name	Date	Use
My Home		12 09 01	Info
L'ORANG ARBAT		12 09 01	Info
ГЕРАКЛ		12 09 01	Info
СРЕТЕНСКИЙ УНИВЕРМАГ		12 09 01	Info
СРЕТЕНСКИЙ УНИВЕРМАГ		12 09 01	Info
			Back

5 **Touch the "information" to change.**

Edit Address Book Entries		10:00
Icon	🞖 Change	Adjust
Name	АВТОМИР	
Street		
City	MOSCOW	
Country	RUS	
Tel	+(7)-4957414400	
Set to Addr. Book		Back

Address Book Information Screen

This section explains the address book information you can change.

Icon

You can change the mark for the registered address displayed on the map screen.

> **ADVICE**
> • You cannot change the location mark for your home.

1 **On the address book information screen, touch Change in "icon".**

2 **Touch the "icon" to change.**

Icon	10:00

▼

The icon change is complete.

> **ADVICE**
> • There are 49 icons to choose from.
> • Touching 🞖 eliminates display of the mark on the map screen.

Adjust

You can change the location in the address book.

1 **On the address book information screen, touch Adjust .**

2 **Scroll the map *(P40)* and line up the ╋ mark with the "location" to change.**

АВТОМИР	
	Tuning	Set
	100m
	Back

3 **Touch Set .**

▼

The location change is complete.

Name

You can change the name of the location mark for the location in the address book displayed on the map screen.

1 **On the address book information screen,touch "Name".**

2 **Input the "name" to change, then touch** [Set] **.**

City		
10:00		

АВТОМИР[◀ Clear All

1 2 3 4 5 6 7 8 9 0
A B C D E F G H I J
K L M N O P Q R S T
U V W X Y Z _ , ( ) More

Set A/a Back

▼

The name change is complete.

Street or City

You can change the street name or city name.

1 **On the address book information screen, touch "street" or "city".**

2 **Input the "name" to change, then touch** [Set] **.**

City Name Input 10:00

MOSCOW[◀ Clear All

1 2 3 4 5 6 7 8 9 0
A B C D E F G H I J
K L M N O P Q R S T
U V W X Y Z _ , ( ) More

Set A/a Back

▼

The street name or city name change is complete.

Tel

You can register the telephone number in the address book.

1 **On the address book information screen,touch "TEL".**

2 **Input telephone number by touching "numbers", then touch** [Set] **.**

10:00

+(7)-4957414400[◀ Clear All

1 2 3 4 5 6 7 8 9 0
A B C D E F G H I J
K L M N O P Q R S T
U V W X Y Z _ , ( ) More

Set A/a Back

▼

The telephone number change is complete.

NOTE

• Telephone numbers up to 24 digits long can be input.

NAVI

Set an Address in the Address Book

AV

The following explains audio function operations.

Audio Functions

Basic Operation

Switch Audio ON/OFF

You can switch the audio function ON/OFF.

ADVICE

• Hold down the steering [MODE] key to also turn the audio function ON/OFF.

1 **Press the PWR/VOL key.**

▼

This switches the audio function OFF.
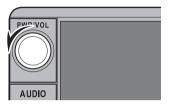
2 **Press the PWR/VOL key.**

▼

The audio function comes ON.

Adjust Volume

Adjust the audio function volume.

1 **During audio play, turn the PWR/VOL key counter-clockwise.**

Volume display

The volume is lowered.

2 **Turn the PWR/VOL key clockwise.**

▼

The volume is raised.

Insert/Eject Discs

The following explains how to insert a disc into this product.

> ⚠ **CAUTION**
>
> • When replacing discs, first ensure that the vehicle is stopped in an area in which stopping is permitted.
> • Do not insert your hand, fingers, or foreign objects into the disc slot. This may lead to injury, smoking, or fire.
> • Do not place anything (juice or anything else) on the panel.
> • Be careful that your hand or fingers are not pinched when you open or close the panel.
> • Some discs cannot be detected in the disc slot, for example discs that cannot be played back. Check that the panel can close before trying to close it.

Inserting the Disc

1 **Press the OPEN key.**

2 **Touch Monitor OPEN .**

▼

The monitor panel opens.

3 **Insert the disc into the disc slot with the label surface up.**

Disc Slot

Disc
*Label side
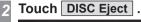
Push the disc in a certain amount, and the product will pull the disc in.

4 **Press the OPEN key.**

▼

The monitor panel closes and playback starts.

Ejecting the Disc

1 **Press the OPEN key.**

2 **Touch DISC Eject .**

▼

The monitor panel opens and the disc is ejected from the product, so remove it.

3 **Press the OPEN key.**

▼

The panel closes.

AV

Audio Functions

Forcing Disc Ejection

Usually, when the disc loading ends normally, the inserted disc can be ejected with the method in the *"Ejecting the Disc"*, but if disc loading fails and the playback information screen can be displayed, you can forcibly eject the disc with the following method.

1 | **To start this product, hold down the `OPEN` key.**

▼

The disc is forcibly ejected from this product.

AV Icons

During audio playback, an icon is displayed on the navigation screen as below in order to show the audio source being played back.

AV Icon
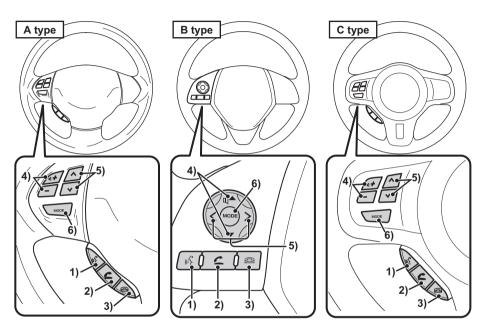
Icon	Audio source
AV OFF	Audio OFF state
FM	Radio (Example: FM)
MP3	Disc (Example: MP3)
MP3	Audio file on SD card (Example: MP3)
iPod	iPod/iPhone
MP3	Audio file on USB memory (Example: MP3)
BT	Bluetooth Audio
AUX	AUX

ADVICE

• Touching AV icon displays the audio source screen being played back.

Steering Remote Control Switch Operation

A type   **B type**   **C type**

1) **"SPEECH" key**[*1]
   Starts voice control.

2) **"OFF HOOK" key**[*1]
   Used to receive a telephone call.

3) **"ON HOOK" key**[*1]
   Used to end a telephone call.

4) **Vol [+] key, [−] key**
   Adjust audio functions and the telephone function volume.

5) **[∨] key, [∧] key**
   Allows you to select CD and other audio source tracks and radio stations.
   Hold down for fast forward and rewind.

6) **[MODE] key**
   Hold down to turn the audio function ON/OFF. Additionally, each time this is pressed, this switches the audio source.
   The order of switching is as shown below.
   If devices are not connected, then these are to be skipped, and the next source selected.

FM
MW
LW
CD
SD[*2]
iPod[*3] **or USB device**[*3]
Bluetooth Audio[*1,*4]
AUX[*5]

*1 Can be used with vehicles equipped with a Bluetooth® 2.0 interface.

*2 First, it is necessary to insert an audio SD card into this product.

*3 An iPod or USB connection cable (available separately) is required.

*4 This requires an audio device that is Bluetooth capable (available separately).

*5 This is equipment that only some vehicle types have. It cannot be used with vehicles that do not support AUX devices.

AV

Audio Functions

Handling of Discs

This explains care that should be taken in the handling of discs.

Important Points on Handling

• Fingerprints or other marks on the read surface of the disc may result in its content being more difficult to read. When holding the disc, grip both edges, or one edge and the centre hole, in order that the read surface is not touched.
• Do not affix paper or stickers, or otherwise damage the disc.
• Do not forcefully insert a disc if a disc is already within the device. This can result in damage to discs, or malfunction.

Cleaning

• Periodically clean the read surface of the disc. When cleaning, do not wipe in a circular motion. Instead, wipe gently outwards from the centre of the disc to the outer edge.
• New discs may have burring around the outer edge or in the hole in the centre. Ensure you check for these. If there are burrs, these may lead to faulty operation, therefore ensure these are removed.

Important Points on Storage

• When not using discs, ensure these are kept in cases, and stored out of direct sunlight.
• If discs are not going to be used for a long period of time, remove these from the product.

Disc Playback Environment

In cold environments such as in mid-winter when the interior of the vehicle is cold, turning the heater on and immediately trying to use the product may cause condensation (water droplets) to form on the disc and internal optical components, and this may prevent the product from operating correctly.
In these conditions, remove the disc, and wait a short time before use.

Copyright

Actions such as unauthorized reproduction, broadcast, public performance, or rental of discs that comprise other than personal use are prohibited by law.

Types of Disc That Can Be Played Back

The following marks are printed on the disc label, package, or jacket.

Type	Size	Maximum playback time	Comments
CD-DA	12 cm	74 minutes	—
CD-TEXT	12 cm	74 minutes	—
CD-R/RW	12 cm	—	• Disc containing MP3/WMA/AAC files

Discs That May Not Be Played Back

• Playback of discs other than those described in "Types of Disc That Can Be Played Back" is not guaranteed.
• 8 cm discs may not be used.
• Do not insert irregularly-shaped discs (for example, heart-shaped), as these may result in malfunction.
  Additionally, discs that have transparent portions may not be played back.
• Discs that have not been finalized cannot be played back.
• Even if recorded using the correct format on a recorder or computer, application software settings and environments; disc peculiarities, damage, or marking; or dirt or condensation on the lens inside the product may render the disc unplayable.
• Depending on the disc, some functions may not be used, or the disc may not play back.
• Do not use discs with cracks or warps.
• If the disc has stickers affixed, remains from removed stickers, or affixed adhesive, then do not use the disc.
• Discs that have decorative labels or stickers may not be used.

Nonstandard CDs

This product will play back audio CDs, however please be aware of the following points regarding CD standards.
• Ensure that you use discs with [disc] on the label surface.
• Playback of other than standard CDs is not guaranteed. Even if the audio can be played back, the audio quality cannot be guaranteed.
• When playing back other than standard CDs, the following may occur.
  ● There may be noise during playback.
  ● There may be jumping in the audio.
  ● The disc may not be recognized.
  ● The first track may not be played back.
  ● It may take longer than usual until start of playback of tracks.
  ● Playback may start from within the track.
  ● Some parts may not be played back.
  ● Tracks may freeze during playback.
  ● Tracks may be displayed erroneously.

Audio Files(MP3/ WMA/AAC/WAV)

This product can play back MP3/WMA/ AAC/WAV format[2] audio files recorded on CD-ROM, CD-R/RW, USB devices, and SD cards [1].

*1 SD card inserted into user slot

*2 WAV files recorded on CD-ROMs and audio files in AAC format that have ".aac" file extension cannot be played.

There are limitations on the files and media that can be used, therefore read the following prior to recording MP3/WMA/AAC/WAV format audio files on any medium.
Additionally, ensure you read the user manuals for your CD-R/RW drive and the writing software, and ensure these are used correctly.
If the MP3/WMA/AAC/WAV format audio files include title information or other data, then this can be displayed.
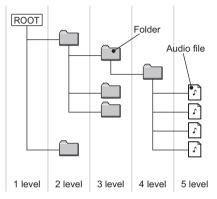
ADVICE

• Depending on the condition of the disc recorder or recording software used, correct playback may not be possible. In these cases, refer to the user manual for your product or software.
• Depending on your computer's operating system, version, software, or settings, files may not have a file extension appended. In these cases, append the file extensions ".mp3", ".wma", ".m4a", ".aac", or ".wav" when copying the files to the medium.
• Files larger than 2GB in size cannot be played back.
• This product can also play back discs that mix audio files in different formats, MP3, WMA, and AAC.

Folder Structure

Up to 8 folder levels can be recognized.
You can create a folder structure such as
Genre - Artist - Album - Track (MP3/WMA/
AAC/WAV format audio files) for management
of tracks.

ROOT

Folder

Audio file

1 level   2 level   3 level   4 level   5 level

Name	Specification		Explanation
Format specifications	ISO9660	Level 1	Maximum 8 character file name, and 3 character file extension. (single-byte alphanumeric capital letters, numerals, "_" may be used)
	ISO9660 extension	Joliet	Files names up to a maximum 64 characters can be used.
Multisession	Not supported (only first session supported)		
Maximum number of levels	8 levels (if the root is the 1st level)		
Maximum folder number	100 folders (including root)		
Maximum file number[*1]	255 files (total number on media. Other than MP3, WMA, AAC, and WAV files not included)		
File name and folder name restrictions	Maximum 128 bytes (for Unicode, 64 characters), files/folders with file/folder names longer than this will not be displayed or played back.		
USB, SD card supported formats	The recommended file system is FAT32. 1 partition only The maximum supported capacity for an SD card is 32GB (SDHC standard supported). The recommended class for an SD card is Class 4 or higher.		

*1 Do not include other than MP3/WMA/AAC/WAV files. However, if storing many tracks within the same folder, these may not be recognized even if less than the maximum number of tracks. In these cases, divide the tracks up into multiple folders.

NOTE

• The order in which folders and audio files are displayed on this product may be different to how they are displayed on a computer.

What Is MP3?

MP3 is an abbreviation of "MPEG-1 Audio Layer 3". MPEG is an abbreviation of "Motion Picture Experts Group", and this is a video compression standard used in video CDs, etc. MP3 is one of the audio compression methods contained in the MPEG audio standard, and reduces the quality of sounds that are beyond the auditory resolution of the human ear and that are hidden by louder sounds, thus creating high-quality data with a lower data size.

Because this can compress CD audio to approximately 1/10 its original data size without perceptible loss, approximately 10 CDs can be written to a single CD-R/RW disc.

⚠ **CAUTION**

- MP3 files different to the standards at right may not play back correctly, or file/folder names may not be displayed correctly.

Standards for MP3 Files That Can Be Played Back

Specifications for MP3 files that can be played are as below.

* For vehicles with the Bluetooth® 2.0 interface, refer to the vehicle's user manual (Bluetooth® 2.0 interface).

Item	Details	
Specification	MPEG-1 AUDIO LAYER3	
	MPEG-2 AUDIO LAYER3	
Sampling frequency [kHz]	MPEG-1:32/44.1/48	
	MPEG-2:16/22.05/24	
Bit rate [kbps]	MPEG-1:32~320	
	MPEG-2:32~160	
VBR (variable bit rate)	Support	
Channel mode	Stereo/Joint stereo/Dual channel/Monaural	
File extension	mp3	
Supported tag information	ID3 tag Ver. 1.0, Ver. 1.1, Ver. 2.2, Ver. 2.3, Ver. 2.4 (ISO-8859-1, UTF-16 (Unicode)), Titles, Artist name, Album name	
Maximum number of characters that can be indicated on the source plate[1]	Album names: 41 single-byte characters (20 double-byte characters) Title names: 18 single-byte characters (9 double-byte characters)	
Maximum number of characters that can be indicated in a list[1]	Folder names : 46 single-byte characters (23 double-byte characters) Files names : 34 single-byte characters (17 double-byte characters)	
	When folder list displayed	48 single-byte characters (24 double-byte characters) * In the 2nd level (the root being the 1st level) * The number of characters displayed depends on the level. Each level down has 2 single-byte characters (1 double-byte character) less.
	When track list displayed	Files names: 49 single-byte characters (24 double-byte characters)

[1] Depending on the characters used, you may not be able to input the maximum number of characters.

What Is WMA?

WMA is an abbreviation of Windows Media Audio, and this is an audio compression format from Microsoft. This is a compression format that has a higher compression ratio than MP3.

* Microsoft, Windows Media, and Windows are registered trademarks of Microsoft Corporation (USA) and in other countries.

⚠ CAUTION

- WMA supports digital rights management (DRM). This product cannot play back WMA files protected using this system.
- WMA files different to the standards at right may not play back correctly, or file/folder names may not be displayed correctly.
- "Pro", "Lossless", and "Voice" are not supported.

Standards for WMA Files That Can Be Played Back

Specifications for WMA files that can be played are as below.

* For vehicles with the Bluetooth® 2.0 interface, refer to the vehicle's user manual (Bluetooth® 2.0 interface).

Item	Details	
Specification	Windows Media Audio Version2~9	
Sampling frequency [kHz]	16/22.05/32/44.1/48	
Bit rate [kbps]	32~192	
VBR (variable bit rate)	Support	
Channel mode	Stereo/Monaural	
File extension	wma	
Supported tag information	WMA tags Title name, Artist name, Album name	
Maximum number of characters that can be indicated on the source plate[1]	Album names: 41 single-byte characters (20 double-byte characters) Title names: 18 single-byte characters (9 double-byte characters)	
Maximum number of characters that can be indicated in a list[1]	Folder names : 46 single-byte characters (23 double-byte characters) Files names : 34 single-byte characters (17 double-byte characters)	
	When folder list displayed	48 single-byte characters (24 double-byte characters) * In the 2nd level (the root being the 1st level) * The number of characters displayed depends on the level. Each level down has 2 single-byte characters (1 double-byte character) less.
	When track list displayed	Files names: 49 single-byte characters (24 double-byte characters)

*1 Depending on the characters used, you may not be able to input the maximum number of characters.

AV

Audio Functions

What Is AAC?

AAC is an abbreviation of Advanced Audio Coding, and this is an audio compression standard used in "MPEG-2" and "MPEG-4". This features 1.4x the compression of MP3, with comparable audio quality.

⚠ **CAUTION**

- AAC supports digital rights management (DRM). This product cannot play back AAC files protected using this system.
- AAC files different to the standards at right may not play back correctly, or file/folder names may not be displayed correctly.

Standards for AAC Files That Can Be Played Back

Specifications for AAC files that can be played are as below.

* For vehicles with the Bluetooth® 2.0 interface, refer to the vehicle's user manual (Bluetooth® 2.0 interface).

Item		Details
Specification		Advanced Audio Coding MPEG4/AAC-LC MPEG2/AAC-LC
Sampling frequency [kHz]	MPEG4	8/11.025/12/16/22.05/24/32/44.1/48/64/88.2/96
	MPEG2	8/11.025/12/16/22.05/24/32/44.1/48/64/88.2/96
Bit rate [kbps]	MPEG4	16~576
	MPEG2	16~576
VBR (variable bit rate)		Support
Channel mode		Stereo/Monaural
File extension		m4a,aac (Only ".m4a" is supported on discs)
Supported tag information		AAC tags or ID3 tags Title, Artist name, Album name
Maximum number of characters that can be indicated on the source plate[*1]		Files names: 18 single-byte characters (9 double-byte characters) Folder names: 41 single-byte characters (20 double-byte characters)
Maximum number of characters that can be indicated in a list[*1]	Playlist names Title names	: 46 single-byte characters (23 double-byte characters) : 34 single-byte characters (17 double-byte characters)
	When folder list displayed	48 single-byte characters (24 double-byte characters) * In the 2nd level (the root being the 1st level) * The number of characters displayed depends on the level. Each level down has 2 single-byte characters (1 double-byte character) less.
	When track list displayed	Files names: 49 single-byte characters (24 double-byte characters)

*1 Depending on the characters used, you may not be able to input the maximum number of characters.

What Is WAV?

WAV is an abbreviation of "RIFF wave form Audio Format" and is mostly used on Windows. This audio data format was developed by Microsoft and IBM. Normally WAV files are not compressed and that is the only type of WAV file that this product can handle.

⚠ CAUTION

- WAV files different from the standards above may not be played back correctly or file/folder names may not be displayed correctly.

Standards for WAV Files That Can Be Played Back

Specifications for WAV files that can be played are as below.

* For vehicles with the Bluetooth® 2.0 interface, refer to the vehicle's user manual (Bluetooth® 2.0 interface).

Item	Details	
Specification	RIFF wave form Audio Format	
Sampling frequency [kHz]	8/11.025/16/22.025/32.44.1	
Number of quantization bits [bit]	16	
Bit rate [kbps]	128 to 1411.2	
Channel mode	Stereo/Monaural	
File extension	wav	
Maximum number of characters that can be indicated on the source plate[1]	Files names: 18 single-byte characters (9 double-byte characters) Folder names: 41 single-byte characters (20 double-byte characters)	
Maximum number of characters that can be indicated in a list[1]	Folder names: 46 single-byte characters (23 double-byte characters) File names: 34 single-byte characters (17 double-byte characters)	
	When folder list displayed	48 single-byte characters (24 double-byte characters) * In the 2nd level (the root being the 1st level) * The number of characters displayed depends on the level. Each level down has 2 single-byte characters (1 double-byte character) less.
	When track list displayed	Files names: 49 single-byte characters (24 double-byte characters)

*1 Depending on the characters used, you may not be able to input the maximum number of characters.

AV

Audio Functions

Radio

Listen to Radio

This explains how to listen to FM, MW, and LW radio broadcasts.

1 **Press the `MODE` key.**

This displays the mode.

2 **Touch `FM` , `MW` or `LW` .**

▼

The radio broadcast information screen is displayed.

3 **Turn the `FOLDER/TUNE` key to select a station.**

▼

The station at the selected frequency is played.
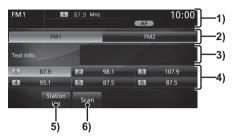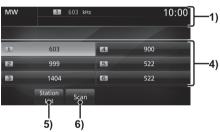
Radio Broadcast Information Screen

1)
2)
3)
4)
5) 6)

1)
4)
5) 6)

1)
4)
5) 6)
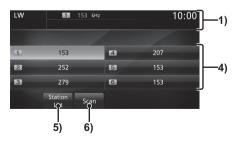
1) **Source plate**
Displays the name of the currently selected source, preset channel number, and reception frequency.

2) FM1 , FM2
Allows you to register your favourite 6 stations for each band.

3) **Text Info.**
Displays the acquired radio text.

4) **Preset switch**
Allows you to register your favourite broadcast stations.
Touch and hold the switch for the desired preset channel number until you hear the "beep". This registers the broadcast station currently being received.
→"Register Your Favourite Broadcast Stations"(P89)

5) Station List
Displays a list of the broadcast stations that can be received.
→"Search for Broadcast Stations from the Station List"(P90)

6) SCAN
Allows you to search for stations that can be received.
→"Starting the Scan"(P90)

Register Your Favourite Broadcast Stations

You can register your favourite 6 stations for each band, FM1, FM2, MW, and LW.

1 **On the radio broadcast information screen, turn the** FOLDER/TUNE **key to search for the "broadcast station" to register.**

2 **Touch and hold the "preset switch" to register to until you hear the "beep".**

Preset switch

▼

This registers the selected broadcast station to the preset channel number whose switch you touched.

AV

Radio
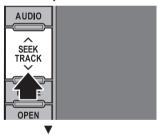
Search for Broadcast Stations with Strong Signals

This is handy for searching for broadcast stations you can receive when you drive to a different area, for example for vacation.

Starting the Seek

A receivable station can be searched one at a time.

1 **On the radio broadcast information screen, touch and hold the** ∧ SEEK TRACK **key or** SEEK TRACK ∨ **key until you hear the "beep".**

▼

When a receivable station is found, it is played.

Starting the Scan

This searches for stations that can be received.

1 **On the radio broadcast information screen, touch** SCAN **.**

▼

When a station is received, this is played for 10 seconds, then the product searches for the next station.

Cancelling a Scan

1 **During the scan, touch** SCAN **again.**

▼

The scan is cancelled.

Search for Broadcast Stations from the Station List

You can select a station from the list of receivable broadcast stations.

1 **On the radio broadcast information screen, touch** Station List **.**

The station list is displayed.

NOTE

• For MW or LW, the station list is automatically updated before it is displayed.

---

2 **Select the broadcast stations you want from the station list and touch it.**

▼

Reception of the selected broadcast station starts.

3 **Touch** Preset **.**

▼

The display returns to the original radio broadcast information screen.

Narrowing Down the Station List

You can narrow down the station list by genre.

1 **On the station list, touch**
   | PTY Filter | **.**

   The genre list is displayed.

2 **Touch the "genre" you want.**

   ▼

A station list for just the selected genre is displayed.

> **ADVICE**
>
> • The filtering is cancelled when [Filter OFF] on the station list is touched.

Updating the Station List

You can manually update the station list.

1 **On the station list, touch**
   | Update | **.**

   Updating starts.

   ▼

The updated station list is displayed.

DISC

Listen to CDs

This explains how to listen to audio CDs
(CD-DA/CD-TEXT).

Insert a disc in this product to automatically
start playback.
→"Inserting the Disc"(P77)

> **NOTE**
> • Operate with an audio CD loaded
>   into this product.

1 **Press the MODE key.**

This displays the mode.

2 **Touch CD .**

The audio CD playback information
screen is displayed.

3 **Press the ⌃ SEEK TRACK key
or SEEK TRACK ⌄ key to select
the track.**

▼

The selected track is played back.

> **ADVICE**
> • You can fast forward or rewind the
>   track being played by holding down the
>   ⌃ SEEK TRACK key or SEEK TRACK ⌄
>   key.
> • By pressing the [AUDIO] key, you can
>   display the navigation screen while using
>   the audio function.
>   Pressing the [AUDIO]key again returns
>   the display to the audio screen.

You can display a track list.

1 **On the audio CD playback
information screen, touch
List .**

▼

CD	Overlap		10:00
	01 An Afternoon		00 '09"
⌃	01 An Afternoon		
⌃	02 Convertible		
	03 First-class		
⌄	04 Navigation blue		
⌄	05 Passenger seat		
▲	Playback		

A track list is displayed.

2 **Touch Playback .**

▼

The display returns to the audio CD playback
information screen.

> **ADVICE**
> • You can scroll the list by touching ⌃
>   ⌄ or ⌃ ⌄ .

Display Contents

Playback Information Screen

1) Source plate
Displays the name of the currently selected source and the playback mode.

2) Album name
If there is title information, displays the album name. If there is no title information, displays "NO TITLE".

3) Track number/name
If there is title information, displays the track name.
If there is title information, displays "Track + track number".

4) Artist name
If there is title information, displays the artist name. If there is no title information, displays "NO NAME".

5) ▲
Displays a sub-menu to change the playback mode.
→"Switch Playback Mode"(P94)

6) Playback mode display
Displays the current playback mode.
→"Switch Playback Mode"(P94)
⊂①⊃ : Repeat play
🔍 : Scan play
⤨ : Random play
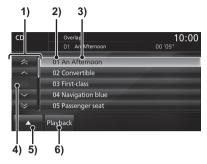
7) Playback time

8) List
Displays a track list.
→"Display a List"(P92)

Lists

1) Cursor switch
Allows you to select a track.

2) Track number

3) Track name
Displays the track name.
If the track name information is blank, displays "Track + track number".

4) Home icon
Touching this moves the cursor to the song being played.

5) ▲
Displays a sub-menu to change the playback mode.
→"Switch Playback Mode"(P94)

6) Playback
Returns to the audio CD playback information screen.

Switch Playback Mode

Repeat playback, random playback, and scan playback are possible.

1 **On the audio CD playback information screen, touch** ▲ **.**

This displays the sub-menu.

2 **Touch the "mode" to change to.**

3 **Touch** ▼ **.**

▼

Playback in the selected mode starts.

ADVICE

• To cancel the selected playback mode, touch the playback mode selected in Step 2 again.

Play Mode

Repeat	Repeat playback of the track currently being played.
Scan	Play the first 10 seconds of each of the tracks on the whole disc in order.
Random	Play the tracks on the disc in a random order.

Listen to Audio Files on a Disc

This explains how to listen to audio files on a disc.

Insert a disc in this product to automatically start playback.→*"Inserting the Disc"(P77)*
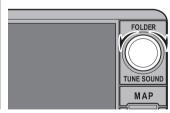
> **NOTE**
> • Operate with an audio file disc loaded into this product.
> • WAV files recorded on CD-ROMs cannot be played.

1 **Press the** MODE **key.**

This displays the mode.

2 **Touch** CD **.**

The audio file playback information screen is displayed.

3 **Turn the** FOLDER/TUNE **key to select the folder.**

FOLDER

TUNE SOUND

MAP

4 **Press the** ∧ SEEK TRACK **key or** SEEK TRACK ∨ **key to select the track.**

▼

The selected track is played back.

> **ADVICE**
> • You can fast forward or rewind the track being played by holding down the ∧ SEEK TRACK key or SEEK TRACK ∨ key.
> • By pressing the [AUDIO] key, you can display the navigation screen while using the audio function.
> Pressing the [AUDIO]key again returns the display to the audio screen.

Display a List

When you display a list, you can check the folder levels while searching for tracks.

1 **On the audio file playback information screen, touch** List **.**

▼

DISC	Overlap	10:00
	01 An Afternoon	00 '05"
≫	01 An Afternoon	
∧	02 Convertible	
	03 First-class	
∨	04 Navigation blue	
≪	05 Passenger seat	
▲	Playback Go Up 1 Level Go to ROOT	

This displays the display list.

2 **Touch** Playback **.**

▼

The display returns to the audio file playback information screen.

> **ADVICE**
> • Touching [ROOT] expands the folders.
> • You can scroll the list by touching ∧ ∨ or ≫ ≪ .

AV

DISC

Playback Information Screen

1) Source plate
Displays the name of the currently selected source and the playback mode.

2) Album name
If there is an album name in the title information, displays it.

3) Track number/name
If there is a song name in the title information, displays it. If there is no title information, displays the file name.

4) Artist name
If there is an artist name in the title information, displays it.

5) ▲
Displays a sub-menu to change the playback mode.
→"Switch Playback Mode"(P97)

6) Playback mode display
Displays the current playback mode.
→"Switch Playback Mode"(P97)

  ⟲①⟳ : Repeat play

  ⟲☐⟳ : Folder repeat play

  🔍 : Scan play

  🔍 : Folder scan play

  ⤬ : Random play

  ALL⤬ : All random play

7) Playback time

8) List
Displays a folder list.
→"Lists"(P97)

Lists

1) ROOT
   Shows the topmost level.

2) **Cursor switch**
   Allows you to select a folder and file.

3) **Home icon**
   Touching this moves the cursor to the song being played.

4) ▲
   Displays a sub-menu to change the playback mode.
   →"Switch Playback Mode"(P97)

5) Playback
   Returns to the audio file playback information screen.

6) **Folder name**
   Touching this expands the folder.

7) **File name**
   Touching this starts playback of the track.

8) Go to ROOT
   The list display moves to the topmost level and collapses all folders in the view.

9) Go Up 1 Level
   Moves up one level.

Repeat playback, random playback, and scan playback are possible.

1 **On the audio file playback information screen or on the list display, touch ▲ .**
   This displays the sub-menu.

2 **Touch the "mode" to change to.**

3 **Touch ▼ .**
   ▼

Playback in the selected mode starts.

AV

DISC

Play Mode

Repeat	Each time this is touched, the mode switches in the order "Repeat", "Folder repeat", and "Cancel". **Repeat:** Repeat playback of the track currently being played. **Folder repeat:** Repeat playback of the tracks within the folder currently being played.
Scan	Each time this is touched, the mode switches in the order "Scan", "Folder scan", and "Cancel". **Scan:** Play the first 10 seconds of each of the tracks in the folder currently being played in order. **Folder scan:** Play the first 10 seconds of the first track in each folder on the medium in order.
Random	Each time this is touched, the mode switches in the order "Random", "All random", and "Cancel". **Random:** Play tracks in the folder currently being played in a random order. **All random:** Play all the tracks on the medium in a random order.

iPod/USB/SD

Equipment by type

Play iPod

By connecting commercially-available iPod/iPhone devices to this product, you can play back tracks on these through the product.

⚠ CAUTION

- Never hold an iPod/iPhone in your hand and operate it while driving, as this is dangerous.
- Do not leave the iPod/iPhone unattended in the vehicle.
- No indemnification for data loss resulting when the iPod/iPhone is connected to the product will be possible.
- Depending on how the devices are handled, audio files being damaged or lost, therefore it is recommended that data be backed up.

NOTE

- This function can only be used in vehicles that have a USB port.
- Please refer to your vehicle's user manual regarding how to connect the iPod/iPhone.

NOTE

- For information regarding details such as types of iPod/iPhone that can be connected to and types of files that can be played back, if your car is equipped with a Bluetooth® 2.0 interface, refer to the vehicle's user manual; if your car is not equipped with a Bluetooth® 2.0 interface, refer to this manual *(→ P8)*. Also, sometimes playback as explained in this document may not be possible.
- Usage of iPod/iPhone hardware with the latest software version is recommended.
- Updating your software sometimes changes the functions that can be used connected with this product.
- Operate the iPod/iPhone while connected to this product.
- Depending on the generation, model, or software version of the iPod/iPhone, playback on this product may not be possible. *(→P8)*Additionally, playback as explained in this document may not be possible.
- If the iPod/iPhone is connected via Bluetooth as a Bluetooth-capable audio device, then do not connect the iPod/iPhone using an iPod cable. Connection using both methods will result in erroneous operation.
- If an iPod/iPhone does not operate correctly, then remove the iPod/iPhone from the product, reset, then reconnect.
- This product does not support video playback.

NOTE

- When connecting an iPod/iPhone, use the connection cable included in the iPod/iPhone.
- Set up the device in order that no unsafe actions, such as plugging in the connection cable are taken while driving.
- When inserting and removing the iPod/iPhone, for safety's sake first stop the vehicle.
- Depending on the status of the iPod/iPhone, it may take some time until the device is recognized, or playback starts.
- Buttons on the product will not operate while iPod/iPhone is connected.
- iPod/iPhone specifications and settings may mean that connection is not possible, or result in differences in operation or display.
- Depending on audio data in the iPod/iPhone, track information may not be displayed correctly.
- Depending on the status of the vehicle and device, the iPod/iPhone may not play back after starting the engine.
- Data containing copyright information may not play back.
- It is recommended that the iPod/iPhone equaliser settings be set to flat.

1 Press the MODE key.

This displays the mode.

2 Touch iPod .

The iPod playback information screen is displayed.

3 Press the ∧ SEEK TRACK key or SEEK TRACK ∨ key to select the track.

▼

The selected track is played back.

ADVICE

- You can fast forward or rewind the track being played by holding down the ∧ SEEK TRACK key or SEEK TRACK ∨ key.
- By pressing the [AUDIO] key, you can display the navigation screen while using the audio function.
Pressing the [AUDIO]key again returns the display to the audio screen.

Switch Playback Mode

Repeat playback, random playback, etc. are possible.

1 On the iPod playback information screen, touch ▲ .

This displays the sub-menu.

2 Touch the "mode" to change to.

3 Touch ▼ .

▼

Playback in the selected mode starts.

Play Mode

Repeat	Each time this is touched, the mode switches between "Repeat" and "Cancel". **Repeat:** Repeat playback of the track currently being played. When repeating is cancelled, the tracks on the current level are repeated.
Random	Each time this is touched, the mode switches in the order "Random", "Album random", and "Cancel". **Random:** Play tracks on the current level in a random order. **Album random:** Play all the albums on the current level in a random order. However, the order within albums is not changed.
Database	For vehicles equipped with a Bluetooth® 2.0 interface, the Gracenote version can be checked.

ADVICE

- During repeat play, even if random or album random play is started, repeat play continues.

iPod Playback Information Screen

1) Source plate
Displays the name of the currently selected source, its status icon, and the playback mode.

2) Album name
If there is an album name in the title information, displays it.

3) Track number/name
If there is a song name in the title information, displays it.

4) Genre name
If there is genre information in the title information, displays the genre name for the track being played back.

5) ▲
Displays a sub-menu to change the playback mode.
→"Switch Playback Mode"(P100)

6) Status icon
▶ : Play
II : Pause
■ : Stop
▶▶ : Fast forward
◀◀ : Rewind

7) Playback mode display
Displays the current playback mode.
→"Switch Playback Mode"(P100)

⊂①⊃ : Single repeat play

♪⤫ : Shuffle play

⊘⤫ : Album shuffle play

♪⤫① : Single repeat/ Shuffle play

⊘⤫① : Single repeat/ Album shuffle play

8) Artist name
If there is an artist name in the title information, displays it.

9) Playback time

10) Menu
Displays the iPod menu.
→"iPod Menu"(P102)

AV

iPod/USB/SD

iPod Menu

Touching [Menu] on the iPod playback information screen will display the iPod menu. Lists of various categories can be displayed from the iPod menu.

Categorymenu

| iPod | Overlap | 10:00 |
| | 01 An Afternoon ▶ 00 '05" | |

Playlists	Artist
Albums	Song
Category	

▲ Playback

Category menu	Displays the list of categories. →"Search by List"(P102)
Playback	Returns to the playback information screen. →"iPod Playback Information Screen"(P101)
▲	Displays a submenu and changes the playback mode. →"Switch Playback Mode"(P100)

Search by List

Touching a category on the iPod menu *(P102)* displays a list of the categories. By touching the list, you can check album names and track names while searching for the tracks you want.

1 **On the iPod playback information screen, touch Menu .**

The iPod menu is displayed.

2 **Touch "category".**

Categorymenu

| iPod | Overlap | 10:00 |
| | 01 An Afternoon ▶ 00 '05" | |

Playlists	Artist
Albums	Song
Category	

▲ Playback

▼

A list of the selected category is displayed.

3 **Touch the "item" to play from the list.**

| iPod | Overlap | 10:00 |
| | 01 An Afternoon ▶ 01'49" | |

≫	
⌃	All Artists
⌂	ARTIST A
⌄	ARTIST B
≫	ARTIST C
▲	Playback

▼
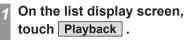
This displays a list of the selected item. Repeat Step 3 to search for songs (tracks). When you touch the song (track) to play from the list, playback starts.

ADVICE

- The level of items operated on in Step 3 depends on which category you selected in Step 2.
- The title information recorded into the iPod is displayed on the list.

Displaying the playback information screen.

When a list is displayed, the iPod playback information screen for the track currently being played can be displayed.

1 **On the list display screen, touch** Playback **.**

Listen to Audio Files on a USB Device/SD Card

By connecting commercially-available USB devices such as USB memory to this product, you can play back audio files on these through the product.
By loading an audio SD card into the user slot, you can play back audio files recorded onto the SD card through the product.

⚠ CAUTION

- Never hold the USB device or SD card in your hand to operate while driving, as this is dangerous.
- Do not leave the USB device/SD card unattended in the car.
- Do not use hard discs, card readers, or memory readers, as damage may occur to these or to the data contained therein. If these are erroneously connected, then turn the engine ignition "OFF", then remove.
- No indemnification for USB device or audio SD card data loss will be possible.
- Depending on how the devices are handled, audio files being damaged or lost, therefore it is recommended that data be backed up.

NOTE

- USB devices can be used in vehicles that have a USB port.
- For information regarding details such as types of USB devices, usage of USB input ports, and types of files that can be played back, if your car is equipped with a Bluetooth® 2.0 interface, refer to the vehicle's user manual; if your car is not equipped with a Bluetooth® 2.0 interface, refer to this manual.
- Please refer to your vehicle's user manual regarding how to connect USB devices.
- Depending on the type of USB device or SD card, usage may not be possible or the functions that can be used may be restricted.
- The recommended file system for USB memory and SD cards is FAT32.
- The maximum supported capacity for USB memory or an SD card is 32GB (SDHC standard supported).
- Operate the USB device containing recorded audio files while connected to this product or the SD card containing audio files while inserted into this product.
- This manual refers to SD cards inserted into the user slot as "audio SD cards".
- When connecting a USB device, use a commercially-available connection cable. Failure to use a connection cable when connecting may place undue load on, or damage the USB connector.
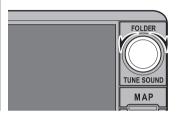
NOTE

- Set up the device in order that no unsafe actions, such as plugging in the connection cable are taken while driving.
- When inserting or removing a USB device or an SD card, for safety's sake first stop the car.
- Do not insert other than audio devices into the USB port. Damage to the device or equipment may result.
- Depending on the status of the USB device or SD card, it may take some time until the device is recognized, or playback starts.
- Buttons on the product will not operate while USB device is connected.
- Data containing copyright information may not play back.
- USB device/SD card specifications and settings may mean that connection is not possible, or result in differences in operation or display.
- Depending on audio data in the USB device or on the SD card, track information may not be displayed correctly.
- Depending on the status of the vehicle and device, the iPod/iPhone may not play back after starting the engine.

1 Press the `MODE` key.

This displays the mode.

2 Touch `USB` or `SD`.

The playback information screen is displayed.

3 Turn the `FOLDER/TUNE` key to select the folder.

4 Press the `∧ SEEK TRACK` key or `SEEK TRACK ∨` key to select the track.

▼

The selected track is played back.

ADVICE

• You can fast forward or rewind the track being played by holding down the `∧ SEEK TRACK` key or `SEEK TRACK ∨` key.

• By pressing the [AUDIO] key, you can display the navigation screen while using the audio function.
Pressing the [AUDIO]key again returns the display to the audio screen.

Switch Playback Mode

Repeat playback, random playback, and scan playback are possible.

1 On the USB device or SD card playback information screen or on the list display, touch `▲`.

This displays the sub-menu.

2 Touch the "mode" to change to.

3 Touch `▼`.

▼

Playback in the selected mode starts.

Play Mode

Repeat	Each time this is touched, the mode switches in the order "Repeat", "Folder repeat", and "Cancel". **Repeat:** Repeat playback of the track currently being played. **Folder repeat:** Repeat playback of the tracks within the folder currently being played.
Scan	Each time this is touched, the mode switches in the order "Scan", "Folder scan", and "Cancel". **Scan:** Play the first 10 seconds of each of the tracks in the folder currently being played in order. **Folder scan:** Plays the first 10 seconds of the first track in each folder on the medium in order. For vehicles equipped with a Bluetooth® 2.0 interface, plays the first 10 seconds of each song in each folder on the USB device in order.
Random	Each time this is touched, the mode switches in the order "Random", "All random", and "Cancel". **Random:** Play tracks in the folder currently being played in a random order. **All random:** Play all the tracks on the medium in a random order.
Database	For vehicles equipped with a Bluetooth® 2.0 interface, the Gracenote version can be checked.

AV

iPod/USB/SD

Playback Information Screen

1) Source plate
Displays the name of the currently selected source and the playback mode.

2) Album name
If there is an album name in the title information, displays it.
For the WAV format, the folder name is displayed.

3) File format
Displays the format of the audio file being played.

4) Jacket[*1, *2,*3]
If there is a jacket image in the title information, displays it.

5) Genre name[*2]
If there is genre information in the title information, displays the genre name for the track being played back.

6) Channel mode
If there is channel mode information in the title information, displays the following icons.

Stereo	: Stereo
Joint-St	: Joint stereo
Dual-Ch	: Dual channel
Monoral	: Monaural

7) ▲
Displays a sub-menu to change the playback mode.
→"Switch Playback Mode"(P105)

8) List
Displays a folder list.
→"Folder List"(P107)
Also, when [Playlist] is ON, [Music Menu] is displayed. Touching this displays the music menu.
→"Music Menu"(P108)

9) Playback mode display
Displays the current playback mode.
→"Switch Playback Mode"(P105)

⟳	: Repeat play
⟳	: Folder repeat play
⌕	: Scan play
⌕	: Folder scan play
⤬	: Random play
ALL ⤬	: All random play

10) Track number/name
If there is a song name in the title information, displays it. If there is no title information, displays the file name.
For the WAV format, the file name is displayed.

11) Artist name[*2]
If there is an artist name in the title information, displays it.

12) Playback time

13) Playlist
When you touch this to switch it ON, [List] changes to [Music Menu] and the music menu can now be displayed.

*1 Audio files on SD card only

*2 WAV format is not supported.

*3   Displayable jacket images are in the JPEG format (maximum resolution: 320 vertical x 240 horizontal).

Folder List

1) ROOT
Shows the topmost level.

2) Cursor switch
Allows you to select a folder and file.

3) Home icon
Touching this moves the cursor to the song being played.

4) ▲
Displays a sub-menu to change the playback mode.
→"Switch Playback Mode"(P105)

5) Playback
Returns to the audio file playback information screen.

6) Folder name
Touching this expands the folder.

7) File name
Touching this starts playback of the track.

8) Go to ROOT
The list display moves to the topmost level and collapses all folders in the view.

9) Go Up 1 Level
Moves up one level.

When you display a list, you can check the folder levels while searching for tracks.

1 **On the USB device or SD card playback information screen, touch** List **.**

▼

This displays the display list.

2 **Touch** Playback **.**

▼

The display returns to the USB device or SD card playback information screen.

ADVICE

- Touching [ROOT] expands the folders.
- You can scroll the list by touching ∧ ∨ or ≪ ≫ .

AV

iPod/USB/SD

Display the Music Menu

When the music menu is displayed, you can display a music list for each artist or album.

1 **On the USB device or SD card playback information screen, touch** Playlist **.**

▼
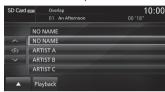
[Playlist] comes ON and [List] changes to [Music Menu].

2 **Touch** Music Menu **.**

The music menu is displayed.

3 **Touch any "menu".**

▼

The list corresponding to the menu item is displayed.

Music Menu

The following explains the menu displayed when [Playlist] is ON on the playback information screen and you touch [Music Menu].

Playlists	Displays the Playlist list. A wpl file (playlist definition file) is required. Store the wpl file in the root level of the medium.
Artist	Displays the Artist list.
Albums	Displays the Albums list.
Song	Displays the Song list.
Category	Displays the Genre list.
Playback	Returns to the playback information screen. →"Playback Information Screen"(P106)
▲	Displays a submenu and changes the playback mode. →"Switch Playback Mode"(P105)

External Input Devices

Equipment by type
(Vehicles with a Bluetooth® 2.0 interface).

Use Bluetooth Audio

This product can play back tracks on commercially-available Bluetooth-capable audio devices.

⚠ CAUTION

• Never hold a Bluetooth-capable audio device in your hand to operate while driving, as this is dangerous.
• Do not leave the Bluetooth audio device unattended in the vehicle.
• No indemnification for Bluetooth audio data loss will be possible.
• Depending on how the devices are handled, audio files being damaged or lost, therefore it is recommended that data be backed up.

NOTE

• Depending on the type of Bluetooth-capable audio devices, usage may not be possible, or functions that can be used may be restricted.
• Updating your software sometimes changes the functions that can be used connected with this product.

NOTE

• Confirm together with the user manuals for the commercially-available Bluetooth-capable audio devices.
• Depending on the type of Bluetooth-capable audio devices, volume levels may differ. There is the danger of loud volumes, so prior to use, it is recommended that you turn the volume down.
→"Adjust Volume"(P76)
• Depending on the status of the Bluetooth audio device, it may take some time until the device is recognized, or playback starts.
• Bluetooth audio device specifications and settings may mean that connection is not possible, or result in differences in operation or display.
• Depending on audio data in the Bluetooth audio device, track information may not be displayed correctly.
• Depending on the status of the vehicle and device, the iPod/iPhone may not play back after starting the engine.
• Data containing copyright information may not play back.
• It is recommended that the Bluetooth audio device equaliser settings be set to flat.

Supported Profilesand Functions

This section explains the functions supported for each profile.

Function	A2DP
Audio output during playback	○

* Sampling rate: 16 kHz, 32 kHz, 44.1 kHz, 48 kHz

Function	AVRCP	
	v1.0	v1.3
Play/Stop/Pause operations	○	○
Fast forward/Rewind operations	○	○
Track selection operations	○	○
Group selection operations	×	×
Repeat/Random/Scan playback operations	×	○
Playback status display	×	○
Battery remaining capacity display	×	○
Group list display	×	×
Select track from group list	×	×
Title display	×	○

Connect a Bluetooth-capable Audio Device

This product and the Bluetooth-capable audio device use the Bluetooth function to connect. For details on how to connect, refer to *"Bluetooth Setting"(P158)*. Operation methods below describe situations once connection has been completed.

NOTE
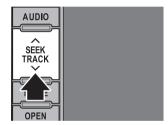
• If the iPod/iPhone is connected via Bluetooth as a Bluetooth-capable audio device, then do not connect the iPod/iPhone using an iPod connection cable. Connection using both methods will result in erroneous operation.

Listen to a Bluetooth-capable Audio Device

1 **Press the** MODE **key.**

This displays the mode.

2 **Touch** Bluetooth Audio **.**

The Bluetooth audio playback information screen is displayed.

3 **Press the** ∧ SEEK TRACK **key or** SEEK TRACK ∨ **key to select the track.**

ADVICE

• You can fast forward or rewind the track being played by holding down the ∧ SEEK TRACK key or SEEK TRACK ∨ key.

• By pressing the [AUDIO] key, you can display the navigation screen while using the audio function.
Pressing the [AUDIO]key again returns the display to the audio screen.

Playback Information Screen

1) Source plate

Displays the name of the currently selected source and the playback mode.

2) Track name/artist name/genre name[*1]

3) ▲ [*1]

Displays a sub-menu to change the playback mode.
→*"Switch Playback Mode"(P112)*

4) Playback mode display[*1, *2]

- ⟳①⟳ : Repeat play
- ⟳🗐⟳ : Group repeat play
- ⟳ALL⟳ : All repeat play
- 🔍 : Scan play
- 🗐 : Group scan play
- ⤫ : Random play
- 🗐⤫ : Group random play

5) Battery remaining capacity display[*1]

Displays the amount of battery power remaining for the connected Bluetooth-capable audio device.

6) Bluetooth connection icon

7) Status icon[*1]

- ▶ : Play
- ❚❚ : Pause
- ■ : Stop
- ▶▶ : Fast forward
- ◀◀ : Rewind

8) ■ , ▶ , ❚❚

Allows you to stop, play, or pause.

9) Playback time[*1]

10) ∨ TRACK ∧

This is used when selecting a song. Continue touching for fast forward or rewind.

*1 Not displayed when AVRCP is v1.0.
*2 Not displayed when information cannot be obtained.

AV

External Input Devices

Switch Playback Mode

Repeat playback, random playback, and scan playback are possible.
* This function cannot be used when AVRCP is v1.0.

<div style="padding-left:1em">

1 **On the Bluetooth audio playback information screen or other screen, touch ▲ .**

This displays the sub-menu.

2 **Touch the "mode" to change to.**

3 **Touch ▼ .**

▼

</div>

Playback in the selected mode starts.

Play Mode

* Depending on the type of Bluetooth-capable audio devices, the details of playback modes may differ.

Repeat	Each time this is touched, the mode switches in the order "Repeat", "Group repeat", "All repeat", and "Cancel". **Repeat:** Repeat playback of the track currently being played. **Group repeat:** Repeat playback of the tracks within the group currently being played. **All repeat:** Repeat playback of all the tracks in the Bluetooth-capable audio device.
Scan	Each time this is touched, the mode switches in the order "Scan", "Group scan", and "Cancel". **Scan:** Play the first 10 seconds of each of the tracks in the group currently being played in order. **Group scan:** Play the first 10 seconds of the first track in all the groups on the Bluetooth-capable audio device.
Random	Each time this is touched, the mode switches in the order "Random", "Group random", and "Cancel". **Random:** Play tracks in the group currently being played in a random order. **Group random:** Select all the groups on the Bluetooth-capable audio device in a random order and play tracks within in group in order.

Use AUX

By connecting AUX devices to this product, you can input audio from these devices to the product and play it back.

⚠ CAUTION
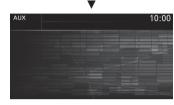
- Video from AUX devices cannot be viewed.
- If this is used with the engine stopped, it may run down the battery and make it impossible to start the engine.

ADVICE

- Please refer to your vehicle's user manual regarding how to connect AUX devices.

Outputting Audio

1 **Press the MODE key.**

This displays the mode.

2 **Touch AUX .**

▼

AUX   10:00

This outputs the audio from the AUX device.

INFO/SETTINGS

INFO

Calendar

This displays the calendar. You can check and set special days and anniversaries.

Displaying

1. **Press the** INFO **key or touch** Calendar **.**

▼

This displays the calendar.

NOTE

- Icons are displayed for days set as special days or anniversaries.
- If one day is set as both a special day and an anniversary, the special day icon has priority.

Display Contents

1) **Year and month of the calendar displayed**

2) **Month change**
Touching this displays the calendar for the previous month or the next month.

3) **Year change**
Touching this displays the calendar for the previous year or the next year.

4) Special Day *(P116)*
Displays a list of the special days set and allows you to edit them.

5) Anniversary *(P117)*
Displays a list of the anniversaries set.

6) **Current year, month, and day**

7) **Calendar**
Today is displayed with light blue.
When you touch a day, you can set it as a special day.
→*"Setting Special Days"(P115)*

8) Back
Touching this returns the display to the info menu *(P25)*.

Setting Special Days

This sets a new special day. Up to 200 special days can be set.

1 **Touch the day on the calendar that you want to set as a special day.**

▼

This displays the special day setting screen.

ADVICE

• Touching a day that has already been set as a special day allows you to edit it.
• You cannot set a special day in the past.

2 **Touch** Icon **.**

3 **Touch any "icon".**

4 **Touch** | Memo | **.**

5 **Input a name for the special day, then touch** | Set | **.**

→*"How to Input Characters"(P18)*

6 **Touch** | Set | **.**

▼

The special day setting is complete.

NOTE

• Three days after a special day, it is automatically deleted.

Editing Special Days

This edits a special day that has already been set.

1 **While the calendar is displayed, touch** | Special Day | **.**

This displays a list of the set special days.

2 **Touch the special day to edit.**

▼

This displays the special day setting screen. The rest of the procedure is the same as from Step 2 onward in *"Setting Special Days"(P115)*.

Deleting Special Days

This deletes a special day that has already been set.

1 **While the calendar is displayed, touch** | Special Day | **.**

This displays a list of the set special days.

2 **Touch the special day to delete.**

3 **Touch** | Delete | **.**

▼

The special day deletion is complete.

Setting Anniversaries

This sets a new anniversary. Up to 20 anniversaries can be set.

1 **While the calendar is displayed, touch** Anniversary **.**

This displays the anniversary list.

2 **Touch** New Event **.**

▼

Anniversary Setting	10:00
Icon	
Date	
Memo	
Set Delete	Back

This displays the anniversary setting screen.

ADVICE

- You can set multiple anniversaries for the same day.
- When multiple anniversaries are set on the same day, the icon for the last one set has priority for display.

3 **Touch** Icon **.**

4 **Touch any "icon".**

Icon Select	10:00
	?	
		Back

5 **Touch** Date **.**

6 **Touch** ▲ **or** ▼ **, then input the "month" and the "day", then touch** Enter **.**

Date Input	10:00
09 Month 0 1 Day	
	Enter Back

7 **Touch** Memo **.**

8 **Input a name for the anniversary, then touch** Set **.**

→"How to Input Characters"(P18)

	10:00
Anniversary	◄ Clear All
1 2 3 4 5 6 7 8 9 0	
a b c d e f g h i j	
k l m n o p q r s t	
u v w x y z ⎵ , ( )	More
Set A/a	Back

9 **Touch** Set **.**

▼

The anniversary setting is complete.

Editing Anniversaries

This edits an anniversary that has already been set.

1 **While the calendar is displayed, touch** Anniversary **.**

This displays the list of set anniversaries.

2 **Touch the anniversary to edit.**

Anniversary		Reg. Anniv. All 2	10:00
AUG 18	● Wedding anniversary		
SEP 1	● Anniversary		
	New Event		Back

▼

This displays the anniversary setting screen. The rest of the procedure is the same as from Step 3 onward in *"Setting Anniversaries"(P117)*.

Deleting Anniversaries

1 **While the calendar is displayed, touch** Anniversary **.**

This displays the list of set anniversaries.

2 **Touch the anniversary to delete.**

Anniversary		Reg. Anniv. All 2	10:00
AUG 18	● Wedding anniversary		
SEP 1	● Anniversary		
	New Event		Back

3 **Touch** Delete **.**

▼

The anniversary deletion is complete.

User SD

You can check the SD card capacity and available space.

Displaying

1 **Press the** INFO **key or touch** User SD **.**

▼

This displays the User SD information screen. You can check the SD card capacity and available space.

ADVICE

- If an audio SD card containing the map database for updating is inserted, you can update the map database by touching [Update map database].

Update the Map Database

You can perform an update of the map database with an SD card.

NOTE

- Do not switch the ignition key to "ACC OFF" during the map database updating.
- Unlock the MAP card and audio SD card locks beforehand.
- Check the map database version and the map request code beforehand. →*"Version Info" (P142)*
- For information on updating to a newer version of the map, refer to *"Version Updating Method" (P142)*.

Update the Map Database with an SD Card

In order to update the map database, it is necessary to first obtain the map database on the Internet from your home computer.

1 **Take the audio SD card out of this product.**

(Only if there is an audio SD card in this product)

Audio SD Card

→*"Remove the SD Card"(P16)*

2 **Requesting a map update from your home computer**

Download the map request code from the Mitsubishi Motors homepage using *(P142)*.

▼

An "authentication key" required for updating a map is issued.
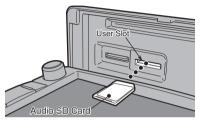
3 **The downloaded file is compressed. Extract the database from it.**

The files in the compressed ZIP file must be extracted.

4 **Copy all the extracted files onto the audio SD card.**

Check the size of the extracted files and use an SD card with enough capacity.

5 **Insert the audio SD card onto which you copied the extracted files into this product.**

User Slot

Audio SD Card

→*"Insert an SD Card"(P15)*

6 **Touch | Update | .**

Update map database	10:00

Update map database?
During file update, route guidance and menu operation will not be available.

Current version: 0030XXX070HXX00
Update version: 0030XXX070JXX00

| Update | Do Not Update |

7 **Input the authentication key and touch | Set | .**

▼

The loading starts automatically.
After loading completes, the system restarts and the version updating is complete.

(Vehicles with a Bluetooth® 2.0 interface).

Check the Voice Control Help

You can check the usage for voice control
(P20), a list of voice commands, etc.

1 **Press the** INFO **key or touch**
   Voice Control Help .

   ▼

Voice Control Help	10:00
‹ Telephone Settings	›
≫	Dialing a telephone
∧	Call In Progress
∨	Phonebook registration
≪	Pairing
	Back

Then, touch any menu item and check the
operation method.

Trip

You can check and set trip information.

Displaying

1 **Press the** INFO **key or touch**
   Trip .

▼

This displays the trip screen.

Display Contents

1) **Fuel consumption graph**
   Allows you to check the average fuel consumption and the instantaneous fuel consumption.
   →"Fuel Consumption Graph"(P123)

2) Manual , Auto (P123)
   Allows you to change the reset mode.

3) History (P124)
   Allows you to check the fuel consumption and Eco score history.

4) **Current reset mode** (P123)

5) **Eco score**[*1]
   You are scored according to how you step on the accelerator pedal and brake.
   The more leaves, the better your driving is for fuel economy.

6) **Distance to Empty**

7) **Current idle stop time**[*1]

8) **Cumulative idle stop time**[*1]
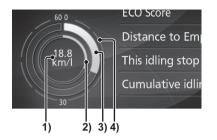
9) Reset
   Allows you to reset the trip information items if the reset mode is "Manual mode" and you touch this.

10) Lap time (P124)
   Allows you to measure the time, distance, vehicle speed, and fuel consumption.

*1 This is a equipment that only some vehicles have.

Fuel Consumption Graph

1) 2) 3) 4)

1) **Average fuel consumption**

2) **Average fuel consumption graph**
   Displays the fuel consumption with 16 levels.

3) **Instantaneous fuel consumption graph**
   Displays the fuel consumption with 16 levels.

4) **Scale**
   Shows the scales of the average fuel consumption and instantaneous fuel consumption graphs. The values may vary depending on the units.

Unit	Value
km/l	0~60
l/100km	0~20
mpg(US)	0~150
mpg(UK)	0~180

1 **On the trip screen, touch** Manual **.**

▼

This switches from auto mode to manual mode.

2 **Touch** Auto **.**
This switches from manual mode to auto mode.

Auto mode	Trip information is reset when the vehicle is refuelled.
Manual mode	The trip information is reset when Reset on the Trip screen is touched.

Reset Trip Information
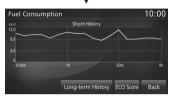
Idling stop vehicle	Average Fuel Economy Distance to Empty Cumulative Idling Stop Time
Standard vehicle	Average Fuel Economy Distance to Empty Average Speed

INFO/SETTINGS

INFO

You can check the fuel consumption and Eco score history.[1]

1 On the trip screen, touch History .

▼

This displays the previously displayed history screen (with fuel consumption or Eco score history).

NOTE
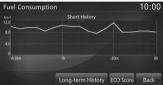
- On the eco score history screen, touching [Mileage History] displays the fuel consumption history screen.
- On the fuel consumption history screen, touching [ECO Score] displays the eco score history screen.
---

*1 ECO score is a equipment that only some vehicles have.

Change the Fuel Consumption History Display

There is a long-term fuel consumption history and a short-term fuel consumption history.

1 On the fuel consumption history screen, touch Long-term History .

▼

The display switches from the fuel consumption (short-term) screen to the fuel consumption (long-term) screen.

2 Touch Short History .

The display switches from the fuel consumption (long-term) screen to the fuel consumption (short-term) screen.

You can measure the time, distance, vehicle speed, and fuel consumption.

1 On the trip screen, touch Lap time .

This displays the lap time screen.

2 Touch Start .

▼

Measurement starts. At this time, the vehicle speed and fuel consumption are being measured, so they are not displayed.

3 Touch Lap .

▼

Lap Time			10:00
	Lap Time	km	km/h	km/l
→	0:00:26	0.2	---	--.-
A	0:00:21	0.2	51	12.6
B	--:--:--	----.-	---	--.-
C	--:--:--	----.-	---	--.-
D	--:--:--	----.-	---	--.-
Stop	Lap	Reset		Back

The current measurement results are recorded in "A".

4 Touch Stop .

▼

Lap Time			10:00
	Lap Time	km	km/h	km/l
→	0:00:40	0.4	45	11.0
A	0:00:21	0.2	51	12.6
B	--:--:--	----.-	---	--.-
C	--:--:--	----.-	---	--.-
D	--:--:--	----.-	---	--.-
Start	Lap	Reset		Back

The measurement is stopped and the measurement results are recorded in the totals list.

ADVICE

- In Step 3, if you touch [Lap] again, the measurement results in "A" are recorded in "B", and the previous measurement results are recorded in "A". In this way, each time you touch "Lap", the measurement results are moved down "A", "B", "C", and "D".
- After stopping in Step 4, if you touch [Start], measurement resumes.

NOTE

- During measurement, if you switch the ignition key to OFF, measurement is stopped. At this time, if you return the ignition key to ON, measurement resumes.

Delete Lap Times

This deletes the recorded measurement results.

1 On the lap time screen, touch Reset .

Lap Time			10:00
	Lap Time	km	km/h	km/l
→	0:00:40	0.4	45	11.0
A	0:00:21	0.2	51	12.6
B	--:--:--	----.-	---	--.-
C	--:--:--	----.-	---	--.-
D	--:--:--	----.-	---	--.-
Start	Lap	Reset		Back

▼

Lap Time			10:00
	Lap Time	km	km/h	km/l
→	0:00:00	0.0	---	--.-
A	--:--:--	----.-	---	--.-
B	--:--:--	----.-	---	--.-
C	--:--:--	----.-	---	--.-
D	--:--:--	----.-	---	--.-
Start	Lap	Reset		Back

Deletion of the recorded measurement results is complete.

Air Conditioner

You can check the air conditioner status.
(Only on vehicles that support this function)

Displaying
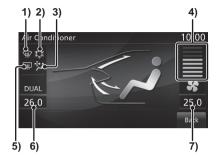
1 Press the **INFO** key or touch
   Air Conditioner .

   ▼

This displays the air conditioner status.

Display Contents

Dual air conditioner

1) **Front defroster indicator**
   Displayed when the front defroster is operating.

2) **Air conditioner indicator**
   Displayed when the air conditioner is operating.

3) **Air purifier indicator**
   Displayed when the air purifier is operating.

4) **Blower speed indicator**
   Displays the speed indicator in 9 levels.
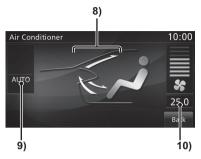
5) **Rear window defogger indicator**
   Displayed when the rear window defogger is operating.

6) **Left side temperature setting**

7) **Right side temperature setting**

Other than dual air conditioner

8) **Air direction/Outside air intake indicator**

9) **Auto mode indicator**
   Displayed when auto mode is on.

10) **Temperature setting**

NOTE

- When the air conditioner is operated while the navigation screen or audio screen is being displayed, the following screen is displayed.

- If no operation is done on the air conditioner for a while, the air conditioner display goes off automatically.

GPS Information

You can check the name of the current location, its latitude/longitude, the number of GPS satellites being received, and a map of satellite locations.

Displaying

1 **Press the** INFO **key or touch** GPS Information. **.**

▼

This displays the GPS information screen.

Display Contents

1) **Current location name**

2) **Current location latitude/longitude**

3) **Number of GPS satellites being received**

ADVICE

• When 3D is displayed, effective radio signals are being received from four or more GPS satellites and 3D position measurement, which measures the three dimensions of latitude, longitude, and altitude, is possible.

• When 2D is displayed, effective radio signals are being received from three or less GPS satellites and 2D position measurement, which measures the two dimensions of latitude and longitude is possible. In this case, the positional precision is less than for 3D position measurement.

• If neither mark is displayed, this shows that effective radio signals are not being received from GPS satellites and the system is in the state of not measuring position.

4) North Up
Touching this allows you to change the map of satellite locations to the north reference so that up is north.

5) Heading Up
Touching this allows you to change the map of satellite locations to the heading reference so that up is the direction you car is travelling.

6) **Map of satellite locations**
Allows you to check the location of the GPS satellites being received.
The GPS actually being used for position calculation is displayed in yellow and those not being used are displayed in grey.

7) Back
Touching this returns the display to the info menu *(P25)*.

INFO/SETTINGS   INFO

(Vehicles with a Bluetooth® 2.0 interface).

Mobile Phone

Connecting your mobile phone to this product with Bluetooth lets you use the hands-free function.

⚠ WARNING

- The driver should not hold the mobile phone in their hand while driving.
- Do not leave your mobile phone unattended in the vehicle. If your mobile phone rolls underfoot when you stop the vehicle or when you go around a curve and it get under the brake pedal, it can interfere with driving and cause an accident.

Connect Your Mobile Phone

This product and your mobile phone use the Bluetooth function to connect.
For details on how to connect, refer to *"Bluetooth Setting"(P158)*.
Operation methods below describe situations once connection has been completed.

NOTE

- This requires a mobile phone that can be connected to the Bluetooth.
- For the equipment supported, refer to the vehicle's user manual.
- Cancel functions such as the mobile phone "dial lock", and connect while on the standby screen.
- Some equipment cannot be connected.

Display the Phonebook

There is the vehicle phonebook registered in this product and the mobile phonebook that can draw on the data in your mobile phone.

1 **Press the** INFO **key or touch** Mobile Phone **.**

The mobile phone screen is displayed.

2 **Touch** ▲ **, and then** PhoneBook **.**

▼

Vehicle Phonebook		6 10:00
⌄	Michael	00011112222
⌃	Emily	81234567890
	Shuzo	91234567890
⌄	Andrew	71234567890
⌄	Samantha	61234567890
▲	Mobile Phonebook	Back

The vehicle phonebook screen or the mobile phonebook screen is displayed.
The phonebook displayed now is the one that was being displayed the last time.

NOTE

- Telephone numbers in the mobile phonebook cannot be registered, edited, or deleted from this product.
- If the vehicle phonebook screen is being displayed and you want to look at the mobile phonebook, touch [Mobile Phonebook].
- If the mobile phonebook screen is being displayed and you want to look at the vehicle phonebook, touch [Vehicle Phonebook].

Register in Phonebook

Telephone numbers can be registered.

Input and Register the Telephone Number

Registration is done with the vehicle phonebook.

1 **Press the** INFO **key or touch** Mobile Phone **.**

The mobile phone screen is displayed.

2 **Touch the "telephone number" to register.**

Mobile Phone			10:00
1234567890_			
1	2	3	Erase
4	5	6	
7	8	9	✆
*	0	#	+
▲		Redial	Back

3 **Touch** ▲ **, and then** Registration **.**

4 **Input each type of telephone number.**

Mobile Phone			10:00
1234567890_			
1	2	3	Erase
Home			
Work	5	6	
Mobile	8	9	
Other	0	#	+
Back		Redial	Back

5 Touch Back .

▼

Registration in the vehicle phonebook is complete.

Registering from Mobile Phone

You can register each entry in the phonebook in your mobile phone into the vehicle phonebook one by one. Also, you can view all the entries in the phonebook in your mobile phone from the mobile phonebook.

⚠️**WARNING**

- Stop your car in a safe location before starting loading of the phonebook from your mobile phone.

NOTE

- For details on how to operate your mobile phone, please refer to the user manual for your mobile phone.
- Normal data transfer may be impossible with some types of mobile phones.
- The only data that can be transferred is home, work, and mobile phone numbers.
- It takes about 3 minutes for the transfer to complete. However, this depends on the number of telephone numbers registered in your mobile phone.
- If there is already a mobile phonebook loaded in this product, loading a phonebook overwrites it.
- Up to 32 entries can be registered in the vehicle phonebook.
- Up to 1000 entries can be displayed in the mobile phonebook.
- Telephone numbers in the mobile phonebook cannot be registered, edited, or deleted from this product.
- In order to load only 1 entry, your mobile phone must support OPP (Object Push Profiles).
- In order to load all the entries, your mobile phone must support PBAP (Phone Book Access Profiles).

INFO/SETTINGS

INFO

Reading in one Entry

1. **Display the vehicle phonebook screen.**

   →*"Display the Phonebook"(P128)*

2. **Touch** ▲ **, and then** Register **.**

3. **Touch** Register from Mobile Phone **.**

4. **Touch** Yes **.**

   Do this while the message "Import one phonebook entry?" is displayed.

5. **Select a telephone number.**

   It is necessary to operate your mobile phone to select the telephone numbers to be transferred.
   For details, refer to the user manual for your mobile phone.

   ▼

   When the loading to the vehicle phonebook is complete, the message "Import successful." is displayed.

Reading in All Entries

1. **Display the mobile phonebook screen.**

   →*"Display the Phonebook"(P128)*

2. **Touch** ▲ **, and then** Import **.**

3. **Touch** Yes **.**

   Do this while the message "Import entire phonebook from this phone?" is displayed.

   ▼

   When the loading to the mobile phonebook is complete, the message "Import successful." is displayed.

Edit a Phonebook

You can edit a phonebook that has been registered.

1. **Display the vehicle phonebook screen.**

   →*"Display the Phonebook"(P128)*

2. **Touch** ▲ **, and then** Edit **.**

   ▼

Edit		10:00
Name	Michael	
Home	Empty	
Work	Empty	
Mobile	00011112222	
Other	Empty	
	Voice Tag	Back

   This displays the phonebook edit screen.
   The rest of the procedure is the same as from Step 5 onward in *"Input and Register the Telephone Number"(P128)*.

Deleting a Phonebook

You can delete a phonebook that has been registered.

1 **Display the vehicle phonebook screen.**

→"Display the Phonebook"(P128)

2 **Touch** ▲ **, and then** Delete **.**

3 **Touch any of the "deletion methods".**

Delete 1item	Deletes the currently selected phonebook.
Delete Selected Item	Select multiple phonebooks, then touch [Delete] to delete them.
Delete All	Deletes all the registered phonebooks.

4 **Touch** Yes **.**

▼

The phonebook deletion is complete.

Dial a Telephone

There are a number of way to make a call.

⚠ **CAUTION**

• As much as possible, refrain from phone calls while driving. First stop your vehicle in a safe location.
• Some mobile phones restrict calls to the same number to no more than 3 times in 3 minutes.

Calling by Entering a Telephone Number

1 **On the mobile phone screen, enter the telephone number.**

ADVICE

• If you make a mistake for entering, touch [Clear] to clear one digit.

2 **Touch the "OFF HOOK" key.**

▼

A call is started to the telephone number you entered.
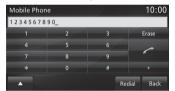
Calling the Person You Were Just Talking with

1 **On the mobile phone screen, touch** Redial **.**

▼

A call is started to the telephone number you were just talking with.

Making a Call from a Phonebook

1 **Display the vehicle phonebook screen or the mobile phonebook screen.**

→"Display the Phonebook"(P128)

2 **Select and touch the "person to call".**

Vehicle Phonebook	6 10:00
Michael	00011112222
Emily	81234567890
Shuzo	91234567890
Andrew	71234567890
Samantha	61234567890
▲ Mobile Phonebook	Back

ADVICE

- When there are many items in the phonebook, you can find them using the search function.
  Touch [▲] and [Jump], then input the first character in the person whose phone number you are searching for.

	10:00
I▯▯▯▯▯▯▯▯▯▯	◄ Clear All
1 2 3 4 5 6 7 8 9 0	
A B C D E F G H I J	
K L M N O P Q R S T	
U V W X Y Z ␣ , ( )	More
Set A/a	Back

---

3 **Touch the "telephone number to call".**

Vehicle Phonebook	10:00
Name	Michael
Home	Empty
Work	Empty
Mobile	00011112222
Other	Empty
▲	Back

4 **Touch [Yes].**

▼

A call is started to the telephone number you selected.

Call a Telephone NumberRegistered on the Map

If there is a telephone number in the information for an establishment registered in the navigation function, you can call that telephone number.

NOTE

- If there is no telephone number in the information for the establishment searched for, you cannot call it.

---

1 **Search the "location" to call.**

→"Search for a Location"(P49)

2 **Touch [Dial].**

Destination Confirmation	10:00
НОВЫЙ МАНЕЖ	Show Route
РГИЕВСКИЙ ПЕРЕУЛОК 3	Itinerary List
RUSSIA	Address Book
Tel +(7)-4956924459	
Start	100m
Dial Home	Back

▼

A call is started to the telephone number of the establishment.

Incoming Calls

The incoming call ring is sounded and the incoming call screen is displayed.

- Touching [Mute On] switches OFF the mic connected to this product. Touching [Mute Off] switches ON the mic function.
- Touching [Transfer Call] switches the speaker and mic functions to the mobile phone side. Touching [Transfer Call] again switches the speaker and mic functions to this product.
- The incoming call screen will disappear after approximately four seconds.

To display that screen again, touch [TEL].

Answering an Incoming Call

1 **Press the "OFF HOOK" key on the steering wheel.**

→*"Steering Remote Control Switch Operation"(P79)*

▼

You can now talk with the calling party.

Ending a Telephone Call

1 **Press the "ON HOOK" key on the steering wheel.**

→*"Steering Remote Control Switch Operation"(P79)*

▼

This ends the incoming call.

INFO/SETTINGS

INFO

Setting Passcode

You can lock the telephone function with a passcode to prevent any third party from using the telephone function without your approval.

1 **On the mobile phone screen, touch ▲ then Lock .**

2 **Enter a four-digit "passcode", then touch Enter .**

Passcode	10:00
＊＊＊＊_	

1	2	3	Erase
4	5	6	
7	8	9	Enter
	0		
Please enter the Passcode (4 Digits)			Back

▼

The passcode setting is complete.

ADVICE

• After turning the ignition switch to LOCK/OFF, wait at least 30 seconds, then turn the ignition switch to ACC or ON. If you turn the ignition switch to ACC or ON too quickly, the new setting may not be set properly.
• If you have set a passcode, after turning the ignition switch ON, check that the passcode is set correctly.
• If you forget your passcode, consult your Mitsubishi Motors Dealer.

Unlocking the Lock

Use the passcode to unlock the lock. The next time you use the telephone function, it is no longer necessary to enter a passcode.

1 **Press the INFO key or touch Mobile Phone .**

2 **Enter the set a "passcode", then touch Enter .**

Passcode	10:00
＊＊＊＊_	

1	2	3	Erase
4	5	6	
7	8	9	Enter
	0		
Please enter the Passcode (4 Digits)			Back

3 **Touch ▲ , and then Unlock .**

▼

The unlocking of the passcode lock is complete.

Camera

When a rear view camera, North view camera, side view camera, or the like (available separately), is connected, the picture from the camera can be displayed on the display. For details, refer to the vehicle's user manual.

⚠ **WARNING**

- **The camera picture does not exempt the driver from the obligation to pay attention or reduce that obligation.**
  Drive checking the safety of the surroundings with your own eyes the same way that you do when there is no camera.

⚠ **CAUTION**

- If mud, snow, or the like sticks to a camera, do not strike it off with a stiff rod or the like. Rather use water or warm water, then wipe it off with a soft cloth.
- Depending on the number of people in the car and how much it is loaded, the camera picture and guide lines may be out of line.
- On sloped roads and when the car is otherwise tilted, the camera picture and guide lines may be out of line.

Displaying

Display Pictures from the Rear View Camera

1 **Move the gear shift position to "R".**

▼

This displays the picture from the rear view camera.

ADVICE
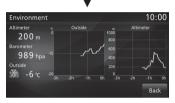
- If a side view camera is also connected, depending on the vehicle types supported, it may be possible to display the pictures from the rear view camera and from the side view camera at the same time.→*"Camera"(P157)*

Environment

You can check the altitude, air pressure, and outside temperature.

Displaying

1 **Press the INFO key or touch Environment .**

▼

This displays the environment screen.

Display Contents

1) **Altimeter**

2) **Barometer**

3) **Outside**

4) **Freezing mark**
Displayed when the outside temperature is 3 ℃ or less.

5) **Outside temperature graph**

6) **Altitude graph**

7) **Back**
Touching this returns the display to the info menu *(P25)*.

NOTE

• The display graphs display the latest information in units of 5 minutes.
• You can change the display unit. →*"Units"(P157)*

Maintenance

You can manage parts replacement timing for your car.

Displaying

You can check the engine oil, oil filter, etc. replacement timing.

• The distance travelled used in the maintenance information is calculated by this product and does not necessarily match the distance calculated by the car.

• During map updating, program updating, etc., the distance travelled cannot be calculated and the distance travelled during this time is not reflected in the maintenance information.

1 **Press the** INFO **key.**

This displays the info menu.

2 **Touch** Maintenance **.**

▼

This displays the maintenance information.
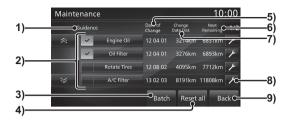
• When the date approaches on which a part is scheduled to be replaced or the travel distance since the last replacement approaches the distance for part replacement, this is displayed in yellow. When that replacement date or distance is passed, this is displayed in red.

• The communication of the part replacement timing is sent 10 days before the scheduled replacement date or when there are 100 kilometres remaining until the travel distance for replacement.

3 **Touch the "part" you want to look at.**

▼

This displays the detailed information.

INFO/SETTINGS

INFO

Display Contents

1) Guidance
This sets whether or not to display guidance when the parts replacement date approaches or is past.→*"Set Maintenance Information Guidance"(P140)*

2) Parts
Displays the parts that can be maintained.

3) Batch
The date of all parts maintenance performance, the odometer reading as of that time, and the distance remaining until the next replacement are updated.→*"Batch Updating"(P140)*

4) Reset all
Resets all the maintenance information.→*"Reset Maintenance Information"(P140)*

5) Date of Change
Displays the dates on which maintenance was carried out.

6) Changed Date Dist
Displays the odometer reading as of the date maintenance was performed.

7) Next Remaining
Displays the distance remaining until the maintenance execution date.

8) 🔧
The date of maintenance performance and the odometer reading as of that time are updated.→*"Update Maintenance Information"(P140)*

9) Back
Returns to the previous screen.

Set Maintenance Information

You can set the maintenance fixed date and maintenance distances.

1 **Press the INFO key.**
This displays the info menu.

2 **Touch Maintenance .**

3 **Touch the "part" to set.**

4 **Touch Setup in "Fixed Date".**

5 **Touch ▲ or ▼ , input the maintenance fixed date, then touch Set .**

6 Touch Setup in Distance.

Maintenance   10:00
[Engine Oil   ]
Date of Change Change Date Dist. Next Remaining
12 04 01   3214km   6831km   Delete
Fixed Date   : After 1 Years, 0 Months   Setup
Distance   : After 20000km   Setup
                                    Set Name Default Back

7 Input the "distance", then touch Enter .

Maintenance Distance Setting   10:00
Distance: :   1 2 00 km
    1   2   3
                                    Erase
    4   5   6
    7   8   9
              0   Enter

                                    Back

→"How to Input Characters"(P18)

8 Touch Back .

▼

The maintenance information setting is complete.

NOTE

• The default values for distances and maintenance fixed date are rough yardsticks. Always input the values according to the maintenance information for your car.

Add Maintenance Information

You can add maintenance items that you want to add.

1 Press the INFO key.

This displays the info menu.

2 Touch Maintenance .

3 Touch USER* .

ADVICE

• Items from "USER1" to "USER3" can be added.

4 Touch Set Name .

→"How to Input Characters"(P18)

5 Input the "part name" to add, then touch Set .

                                    10:00
USER1[◄   Clear All
1 2 3 4 5 6 7 8 9 0
A B C D E F G H I J
K L M N O P Q R S T
U V W X Y Z SP , ( )   More
    Set   A/a   Back

▼

The rest of the procedure is the same as for Step 4 in "Set Maintenance Information"(P138).
Set the "Maintenance Fixed Date" and "Maintenance Distance".

Delete Maintenance Information

This deletes the "Date", "Changed at Odometer" and "Remaining Distance" for the set part.

1 Press the INFO key.

This displays the info menu.

2 Touch Maintenance .

3 Touch the "part" to delete.

Maintenance   10:00
  Guidance   Date of Change   Next   1/2
                    Change Date Dist. Remaining
  ✓   Engine Oil   12 04 01 3214km   6831km
  ✓   Oil Filter   12 04 01 3276km   6893km
      Rotate Tires 12 08 02 4095km   7712km
      A/C Filter   13 02 03 8191km 11808km
                    Batch   Reset all   Back

4 Touch Delete .

5 Touch Yes .

▼

The maintenance information deletion is complete.

INFO/SETTINGS   INFO

Update Maintenance Information

When parts are replaced, the maintenance information is updated.

1 **Press the INFO key.**

This displays the info menu.

2 **Touch Maintenance .**

3 **Touch 🔧 for the "part" that was replaced.**

Maintenance				10:00
Guidance		Date of Change	Change Date Dist.	Next Remaining 1/2
✓	Engine Oil	12 04 01	3214km	6831km 🔧
✓	Oil Filter	12 04 01	3276km	6893km 🔧
	Rotate Tires	12 08 02	4095km	7712km 🔧
	A/C Filter	13 02 03	8191km	11808km 🔧
		Batch	Reset all	Back

4 **Touch Yes .**

▼

This updates maintenance information.

Batch Updating

This updates all the "Engine Oil", "Oil Filter", "Rotate Tires", "Air Purifier" and "Brake System" replacement dates, odometer readings on replacement dates, and remaining distances until the next replacement.

1 **Press the INFO key.**

This displays the info menu.

2 **Touch Maintenance .**

3 **Touch Batch .**

4 **Touch Yes .**

▼

Batch updating is complete.

Reset Maintenance Information

This resets all the maintenance information.

1 **Press the INFO key.**

This displays the info menu.

2 **Touch Maintenance .**

3 **Touch Reset all .**

4 **Touch Yes .**

▼

The resetting is complete.

Set Maintenance Information Guidance

If maintenance information guidance is set, after this product starts, this sets the guidance display when the parts replacement date approaches or is past.

1 **Press the INFO key.**

This displays the info menu.

2 **Touch Maintenance .**

3 **Touch "Guidance" for the part to have guidance given about.**

Maintenance				10:00
Guidance		Date of Change	Change Date Dist.	Next Remaining 1/2
✓	Engine Oil	12 04 01	3214km	6831km 🔧
✓	Oil Filter	12 04 01	3276km	6893km 🔧
	Rotate Tires	12 08 02	4095km	7712km 🔧
	A/C Filter	13 02 03	8191km	11808km 🔧
		Batch	Reset all	Back

▼

This sets "Guidance".
✓ : Give guidance
■ : Do not give guidance

When Setting "Give Guidance"

When a parts replacement date approaches or passes, after this product is started, a message like the following is displayed.

Touching a touch switch puts out the message. The operations after the next time this product is started are as follows.

Do not show again	From the next start-up, messages are not displayed.
Delete	Even from the next start-up, messages are still displayed.

Version Info

You can check the map database, navigation program version, and map request code.This section also explains methods for updating to a newer version of the map database.

Map Database Version

1 **Press the** `INFO` **key or touch** `Version Info` **.**

▼

Version Info	10:00
SW Version	A
MAP Version	20XX-X
	Back

This displays the version info screen.

Checking the map request code

1 **Press the** `INFO` **key or touch** `Map Reg. Code` **.**

▼

Map Registration Code	10:00
F2QQQ7XXXXXXX	
	Back

This displays the map registration code screen.

A map database or system can be updated to a newer version by replacing the main unit map card with a higher version map card, available separately.
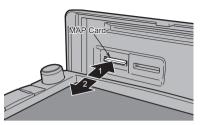
⚠ CAUTION

- When updating, first ensure that your car is stopped in a safe area in which stopping is permitted

1 **Press the** `OPEN` **key.**

2 **Touch** `Monitor OPEN` **.**

OPEN	10:00
Open the monitor panel. Close using the OPEN key.	
DISC Eject	Monitor OPEN

▼

The monitor panel opens.

3 **Push in the map card until you hear a "click".**

MAP Card

1

2

The map card jumps out and can now be removed. Gently remove it.

4 **Insert the higher version map card, available separately, into this product.**

Insert until you hear the "click".

MAP Slot

MAP Card

5 **Press the `OPEN` key to close the monitor panel.**

▼

The map screen is displayed.

• When reading map data, "Map cannot be displayed." is displayed.
• When it is necessary to update the system to a newer version, the system update screen is displayed.
• After the version updating is complete, check the version.

INFO/SETTINGS

INFO

SETTINGS

Navi Settings

This changes the settings concerning navigation.

1 **Press the NAVI MENU key.**

This displays the navi menu.

2 **Touch the "type" to change.**

Navi Menu	10:00
Route Menu	Navi Voice/Others
Guidance	Personal
Screen	Start Demo
Route Options	

3 **Change the settings.**

Guidance 10:00
Travel Time
Arrival Time | Local Time
Remaining Driving Time
Time/Distance Remaining
Dest. | Next Dest. | Off
Default | Back

▼

The setting change is complete.

Types That Can Be Set

Guidance	Allows you to set up the guidance display. →"Guidance"(P145)
Screen	Allows you to set up the navigation display. →"Screen"(P146)
Route Options	Allows you to set up the default values for route search conditions. →"Route Options"(P149)
Navi Voice/ Others	Allows you to set up the navigation audio guidance. Also allows you to check vehicle signals. →"Navi Voice/Others"(P150)
Personal	Allows you to manage address book, home location, and other information. →"Personal"(P152)

Guidance

You can change the settings for the guidance display.

Guidance	10:00
Travel Time	
Arrival Time	Local Time
Remaining Driving Time	
Time/Distance Remaining	
Dest.	Next Dest.	Off
Default	Back

Settings name	Settings value	Settings content
Travel Time	Arrival Time	Sets the arrival time as the display method for the time of arrival at the destination.
	Local Time	Sets the local time as the display method for the time of arrival at the destination.
	Remaining Driving Time	Sets the time remaining as the display method for the time of arrival at the destination.
Time/Distance Remaining	**Dest.**	Sets the time remaining to reach the destination as the display method for the time remaining.
	Next Dest.	Sets the time remaining to reach the transit point as the display method for the time remaining.
	Off	The time remaining is not displayed.
Route Guidance Frequency	Max	Allows you to set the frequency for the audio guidance and guide map for route guidance.
	Normal	
	Min	
	No Guidance	
POI Icons on Guidance Map	**On**	Enables/disables display of POI icons on guidance maps.
	Off	
Curve Guidance	**On**	Enables/disables curve guidance icon display and audio guidance.
	Off	
Default		Returns the guidance to their factory default settings.

* "Set value" bold typeface indicates factory default settings.

You can change the settings for the display.

Settings name	Settings value	Settings content
3D Bldg.	**Show**	Enables/disables display of buildings in 3D *(P36)* display.
	Hide	
3D Polygon Landmark	**Show**	Enables/disables display of 3D polygon landmark when displaying a map screen in 3D.
	Hide	
POI Icons on Map	Show All	Allows you to set whether or not to display all POI icons on the map.
	Hide All	
	Select ▶	Enables/disables display of each POI icon type. →*"POI Icons on Map"(P147)*
3D Scroll	**3D**	Allows you to set the display state for scrolling during 3D *(P36)* display.
	2D	
2 Screen Scroll	**2 Screens**	Allows you to set the display state for scrolling during two-map *(P34)* display.
	1 Screen	
Day&Night Colour		Displays the settings content for map screen colours according to the vehicle lighting state.
Map Colour	Change	Allows you to set the display colours for the map screen. →*"Map Colour"(P148)*
Character Size	**Normal**	Allows you to set the size of characters displayed on the map screen.
	Big	
Motorway Simplified Map Automatic Display	**Display**	Allows you to set whether or not to automatically display Motorway Info *(P35)* when travelling on a motorway.
	Not Display	

Settings name	Settings value	Settings content
Current Street Name	**On**	Enables/disables display of the name of the current location.
	Off	
Address Book Names	**On**	Enables/disables display of the Address book name.
	Off	
Lane Information	**On**	Enables/disables display of lane information displayed on the map screen.
	Off	
Route Tracking	On	Enables/disables display of route tracking displayed on the map. (Even when it is set not to be displayed, the route tracking information is stored.)
	Off	
	Erase	Clears the stored route tracking information for your car.
Searched Root	**Arrow**	Allows you to change the method route guidance marks *(P30)* are displayed.
	Line	
AV Icon	**Show**	Allows you to set whether or not to display the AV icons (audio status icons) displayed on the map screen.
	Hide	
Mobile Phone Icon	**Show**	Allows you to set whether or not to display the telephone icon displayed on the map screen.
	Hide	
Speed Indicator	**On**	Enables/disables display of the speed indicator.
	Off	
Change 3D point of view	Change	Allows you to change the 3D *(P36)* point of view. →*"Change 3D point of view"(P148)*
Default		Returns the screen options settings to their factory default settings.

* "Set value" bold typeface indicates factory default settings.

POI Icons on Map

You can enable/disable display of each POI icon type.

1 Press the `NAVI MENU` key.

This displays the navi menu.

2 Touch `Screen` .

3 On "POI Icons on Map", touch `Select` , and then `▶` .

4 For the icon you want to display, touch `□` .

▼

Selection of the POI icons to display is complete.

ADVICE

- When [+] is displayed on the side of the list, if you touch [+], you can selected icons in greater detail.
- Touching [Default] returns to the factory default settings.

Map Colour

You can set the display colours for the map screen.

1 **Press the** `NAVI MENU` **key.**

This displays the navi menu.

2 **Touch** `Screen` **.**

3 **Touch** `Change` **in "Map Colour".**

4 **Touch the "colour" for each item.**

Map Colour	10:00
Map Colour(Day)	Colour1 Colour2 Colour3 Colour4
Map Colour(Night)	Colour1 Colour2 Colour3 Colour4
	Back

▼

The map screen colour setting is complete.

Change 3D point of view

You can change the 3D *(P36)* point of view.

1 **Press the** `NAVI MENU` **key.**

This displays the navi menu.

2 **Touch** `Screen` **.**

3 **Touch** `Change` **in "Change 3D point of view".**

4 **Touch** or **to adjust the angle.**

▼

The change in the point of view is complete.

Route Options

You can change the settings concerning route searches.

Settings name	Settings value	Settings content
Route Priority	**Fast**	Searches for the route with the shortest driving time (earliest arrival at the destination) by using motorways and major roads.
	Short	Searches for the route with the shortest distance on the map.
	Easy	Searches for the route that is easiest to drive with the fewest turns.
	Eco	Based on the "Short" route, searches for a route giving priority to motorways and the like in order to save fuel.
Minimize Motorways	On	Allows you to set whether or not to use motorways. Touching [On] will calculate the route avoiding the use of motorways as much as possible.
	Off	
Minimize Toll Roads	**On**	Allows you to set whether or not to use toll roads. Touching [On] will calculate the route avoiding the use of toll roads as much as possible.
	Off	
Minimize Ferries	**Yes**	Allows you to set whether or not to use ferries. Touching [Yes] will calculate the route avoiding the use of ferries as much as possible.
	No	
Avoid Selected Areas	**Yes**	Allows you to set whether or not to use areas set as Avoid Areas. Touching [Yes] will calculate the route using areas set as Avoid Areas *(P66)*.
	No	
Default		Returns the route options settings to their factory default settings.

* "Set value" bold typeface indicates factory default settings.

Navi Voice/Others

You can set the settings for the volume and other settings.

Navi Voice/Others	10:00
Beep Sound Volume	OFF / 1 / 2 / 3
Guidance Voice Volume	− ▮▮▮4 ┃ +
Speed Compensated Volume	On / OFF
Default	Back

Settings name	Settings value	Settings content
Beep Sound Volume	OFF	Allows you to set the operation volume.(The factory default setting is **[2]**.) The larger the number, the higher the volume. [Off] mutes the operation sound.
	1~3	
Guidance Voice Volume	+	Allows you to set the volume for audio guidance etc.(The factory default setting is **[4]**.) The larger the number, the higher the volume. [Off] mutes the operation sound.
	-	
Speed Compensated Volume	**ON**	Enables/disables the function for adjusting the volume automatically according to the vehicle speed.
	OFF	
Sensor Calibration	Enter	Deletes the speed sensor and gyro sensor automatic learning information. →*"Sensor Calibration"(P151)*

Sensor Calibration

The levels for the speed sensor and gyro sensor are raises through automatic learning. When a tyre is replaced, it is necessary to erase the speed learning data and relearn it.

1 Press the `NAVI MENU` **key.**

This displays the navi menu.

2 Touch `Navi Voice/Others` **.**

3 Touch `Enter` **in "Sensor Calibration".**

▼

Sensor Calibration	10:00
Speed	Gyro
4	
Pulse Level	L Level R Level
Erase	Erase
	Back

This displays the sensor correction status screen.

4 Touch `Erase` **in "Speed" or "Gyro".**

5 Touch `Yes` **.**

▼

The sensor learning data deletion is complete. Then, check *"Precision of Your Car's Location and Automatic Correction"(P151)* and correct.

⚠ **CAUTION**

• Deleted data cannot be restored.

Precision of Your Car's Location and Automatic Correction

• When sensor learning data has been deleted, you can drive at a constant speed for a while some place with a good view and make left and right turns at junctions to speed up the speed and gyro automatic learning.

• When you drive at a constant speed on a straight road with good GPS reception, the automatic speed correction operates and when you repeatedly turn left and right at junctions, the gyro automatic correction operates. The operation of the automatic speed and gyro learning gradually improves the precision of your car's location.

ADVICE

• In some cases, you may need to drive a few hours before the precision of your car's location stabilises. Driving somewhere with a good view, such as a motorway, makes it easier for the automatic correction to work.

You can register, edit, and delete locates in the address book, your home, frequently used locations, etc.

Personal			10:00
Address Book	New	Edit	Delete
Home Location	New	Edit	Delete
Special Location	New	Edit	Delete
My Categories		Edit	
			Back

Settings name	Settings value	Settings content
Address Book	New	Allows you to register a new location. After you touch [New], the procedure is the same as in Step 2 in *"Register a Searched for Location" (P72)*.
	Edit	Edits registered information. The procedure is the same as in *"Change Address Book Information"(P74)*.
	Delete	Deletes registered information. The procedure is the same as in *"Delete an Address from the Address Book"(P73)*.
Home Location	New	Allows you to register a home location. If another location is already registered, you must delete the old one first before registering a new home location. After you touch [New], the procedure is the same as in Step 5 in *"Register a Home Location"(P68)*.
	Edit	Edits registered information. The procedure is the same as in *"Change the Home Location"(P69)*.
	Delete	Deletes registered information. The procedure is the same as in *"Erase Your Home Registration"(P69)*.
Special Location	New	Allows you to register frequently used locations. After you touch [New], the procedure is the same as in Step 5 in *"Set a Frequently Used Location in the Address Book"(P70)*.
	Edit	Edits registered information. The procedure is the same as in *"Change a Frequently Used Location"(P71)*.
	Delete	Deletes registered information. The procedure is the same as in *"Delete a Frequently Used Location"(P71)*.
My Categories	Edit	Registers a frequently used establishment category in "My Categories". After you touch [Edit], the procedure is the same as in Step 4 in *"Editing My Categories"(P52)*.

Adjust Audio Sound Quality

Change audio quality settings.

NOTE

- You cannot adjust the sound quality when the audio is OFF.

Balance/Fader

The level of the sound output from each speaker can be adjusted with the cursor switches.

1 **Press the** SOUND **key.**

This displays the sound quality setting screen.

2 **Touch** Balance/Fader **.**

▼

Sound Quality Control	10:00
Balance/Fader	Sound Quality	Speed Compensated Volume

Front
Left   Right
Rear

Balance   0
Fader   0

◀ ▶
▲
▼

Default   Back

3 **Touch** ◀ **or** ▶ **to adjust the balance.**

You can set L11 to L1, 0, or R1 to R11. (The factory setting is **"0"**.)

4 **Touch** ▲ **or** ▼ **to adjust the fader.**

You can set F11 to F1, 0, or R1 to R11. (The factory setting is **"0"**.)

▼

The balance/fader adjustment is complete.

ADVICE

- Touching [Default] returns all the sound quality adjustments to their factory default settings.

Equaliser Settings

You can set the sound type and the level for the sound qualities.

1 **Press the** SOUND **key.**

This displays the sound quality setting screen.

2 **Touch** Sound Quality **.**

3 **Touch the sound "type".**

Sound Quality Control	10:00
Balance/Fader	Sound Quality	Speed Compensated Volume
Rock	Pops	Hip Hop	JAZZ	NORMAL

▲ ▲ ▲
▼ ▼ ▼
BASS   MID   TREBLE

Default   Back

4 **Touch** ▲ **or** ▼ **to adjust the level of each sound quality.**

Sound Quality Control	10:00
Balance/Fader	Sound Quality	Speed Compensated Volume
Rock	Pops	Hip Hop	JAZZ	NORMAL

▲ ▲ ▲
▼ ▼ ▼

Default   Back

▼

The equaliser settings are complete.

Setting Contents

BASS	Allows you to set the bass to one of 11 levels, from -5 to +5. (The factory setting is **"0"**.)
MID	Allows you to set the medium tone to one of 11 levels, from -5 to +5. (The factory setting is **"0"**.)
TREBLE	Allows you to set the treble to one of 11 levels, from -5 to +5. (The factory setting is **"0"**.)

Surround Settings(Only Vehicles Equipped with Premium Audio)

You can set the surround and sound field centre.

1 **Press the SOUND key.**

This displays the sound quality setting screen.

2 **Touch Acoustics Setting .**

3 **Touch the surround "type".**

To not set surround, touch [OFF].

4 **Touch the "position" to set.**

▼

The surround settings are complete.

Other Settings

The settings are different for vehicles with and without premium audio.

If Your Car Is Equipped with Premium Audio

1 **Press the SOUND key.**

This displays the sound quality setting screen.

2 **Touch Others .**

3 **Touch "setting" for the item to set.**

▼

The setting changes are complete.

Setting Contents

Speed Compensated Volume	Sets the levels for when the volume is adjusted automatically according to the vehicle speed.
PREMIDIA HD[1,2,3]	Allows you to adjust the amount of compensation for reproducing the feeling of solidity and depth of the original sound by forecasting and supplementing for the high-pass audio information lost during audio data compression. * There is also an effect for non-compressed sound sources. * This is disabled when the audio source is the radio.
DOLBY VOLUME[2]	Allows you to select the level for the automatic real-time adjustment function, which provides the same output levels for the different volumes of different sources and songs.

[1] This is also effective for non-compressed sound sources.

[2] This is disabled when the audio source is radio.

[3] "DTS Nevral" and "Premidia HD" cannot be set at the same time.

ADVICE

• If you feel that the Dolby volume effect does not match the image of the music being played back, switch it OFF.

If Your Car is not Equipped with Premium Audio

1 **Press the** SOUND **key.**

This displays the sound quality setting screen.

2 **Touch** Speed Compensated Volume **.**

You can set the levels for when the volume is adjusted automatically according to the vehicle speed.

3 **Touch "setting".**

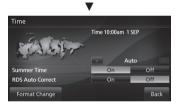| Sound Quality Control		10:00

▼

The setting change is complete.

System Settings

You can make system related settings, such as the time, language, units, and Bluetooth device.

Time

This changes the standard time settings and date and time display format.

1 **Press the SETTINGS key.**

This displays the settings menu.

2 **Touch System , and then Time .**

▼

You can make the settings concerning the time.

Time zone area	Touch [-] or [+] to set the region.
Summer Time	Sets whether or not to adjust for summer time.
RDS Auto Correct	Sets whether or not to automatically correct the time.

3 **Touch Format Change .**

▼

You can set the date and time display format.

4 **Touch the "date and time display format" to set.**
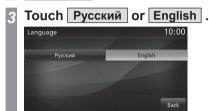
5 **Touch 12h or 24h in "Time".**

▼

The time settings are complete.

Language

This changes the language used.

1 **Press the SETTINGS key.**

This displays the settings menu.

2 **Touch System , and then Language .**

3 **Touch Русский or English .**

▼

The language change is complete.

Camera

You can make the settings concerning the camera.(Only on vehicles that support this function)
For details, refer to the user manual for the vehicle.

1 **Press the** SETTINGS **key.**

This displays the settings menu.

2 **Touch** System **, and then** Camera **.**

3 **For the "item" to set, touch** On **or** Off **.**

| Automatic Display on Multiview start-up	Sets the camera display for when the shift position is switched. Touching [On] will automatically display both the rear view camera and side view camera at the same time when the shift position is "R". Also, when the shift position is "D", both the North view camera and the side view camera are displayed at the same time.
Automatic Display on North View deceleration	Touching [On] will automatically switch the display to the North view camera during deceleration.

▼
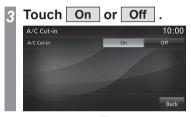
The camera settings are complete.

A/C Cutin

This sets whether or not to display an interrupt for air conditioner operations.(Only on vehicles that support this function)

1 **Press the** SETTINGS **key.**

This displays the settings menu.

2 **Touch** System **, and then** A/C Cutin **.**

3 **Touch** On **or** Off **.**

A/C Cut-in	10:00
A/C Cut-in	On Off
	Back

▼

The interrupt display setting is complete.

Units

This changes the unit.

1 **Press the** SETTINGS **key.**

This displays the settings menu.

2 **Touch** System **, and then** Units **.**

3 **Touch the "unit" to change.**

Units			10:00
km km/h km/l	km km/h l/100km	mile mph mpg(US)	mile mph mpg(UK)
℃	℉		Back

▼

The unit change is complete.

NOTE

• For some vehicle types, only the distance display is changed.

Units		10:00
	km mile	
		Back

INFO/SETTINGS

SETTINGS

(Vehicles with a Bluetooth® 2.0 interface).

Bluetooth Setting

You can use the Bluetooth function to connect any commercially-available Bluetooth device to this product.

What Bluetooth is

Bluetooth is a wireless communications standard specialized for connecting devices over short distances (a few meters or less). Since it uses radio waves, it is not directional. Thanks to its characteristic, communications are possible even if there is an obstruction. This makes it possible to communicate even with the mobile phone still in your shirt pocket or briefcase or shoulder bag.

> **NOTE**
> • This product supports Ver. 2.0 + EDR.

Supported profiles

Bluetooth AUDIO	A2DP(v1.0) AVRCP(v1.3)
Hands-free	HFP(v1.5)
Phonebook transfer	OPP(v1.1) PBAP(v1.0)

> **NOTE**
> • This function can be used on vehicles equipped with a Bluetooth® 2.0 interface.
> • Cancel functions such as the mobile phone "dial lock", and connect while on the standby screen.
> • While connected, operations on the Bluetooth device (receiving calls, etc.) may not function correctly.
> • For details on how to enter the passkey for your Bluetooth device, refer to its user manual.
> • The connection fails sometimes. Register again.
> • Depending on the distance between this product and your Bluetooth device, the conditions within the vehicle, and types of screening, connection may not be possible. In this case, put your Bluetooth as close as possible to this product.
> • Even though a device is Bluetooth-capable, its characteristics and specifications may mean that correct operation is not possible.
> • Some Bluetooth devices cannot be connected.
> • Depending on the Bluetooth device, connecting may take some time.
> • Up to 7 Bluetooth devices can be registered.
> If 7 devices are already registered, you must delete one before you can register a new Bluetooth device.

Registering a Bluetooth Device

Register a Bluetooth device with this product.

1 Press the SETTINGS key.

This displays the settings menu.

2 Touch System .

3 Touch Pairing .

4 Touch Register Device .

5 Enter the pass key displayed on the screen into the Bluetooth device.

▼

When the connection is complete, the Bluetooth and signal strength icons are displayed.

Selecting a Bluetooth Device

If you have registered multiple Bluetooth devices, you must select the one to connect. (From then on, the Bluetooth device you set with this function is connected by you just bringing it into the vehicle.)

1 **Press the** SETTINGS **key.**

This displays the settings menu.

2 **Touch** System **.**

3 **Touch** Pairing **.**

4 **Touch** Select Device to Connect **.**

5 **Touch the "device name" to connect.**

6 **Touch** Connect Telephone **or** Connect Audio **.**

For hands-free operation of the Bluetooth device to connect, select [Connect Telephone], to use for Bluetooth audio, select [Connect Audio].

7 **Touch** Connect **.**

▼
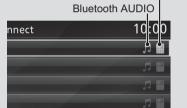
This completes selection of the Bluetooth device.

ADVICE
• If the Bluetooth device is capable of both hands-free and Bluetooth audio operation, you can make the selection for one device. In this case, the display is as follows.

Hands-free

Bluetooth AUDIO

Setting a Passkey

This sets whether to keep the same passkey (factory setting "1212") or to set a different passkey each time is registered.

1 **Press the** SETTINGS **key.**

This displays the settings menu.

2 **Touch** System **.**

3 **Touch** Pairing **.**

4 **Touch** Set Passkey **.**

5 **Touch** Fixed **or** Random **.**

ADVICE
• If random is selected, no passkey input screen is displayed.

6 **Enter any four-digit passkey, then touch** Enter **.**

▼

The passkey setting is complete.

ADVICE
• If a passkey has already been set, touch [Erase] and delete the passkey, then input the new one.

INFO/SETTINGS

SETTINGS

Set Passcode

You can lock the telephone functions with a passcode.

1 **Press the SETTINGS key.**

This displays the settings menu.

2 **Touch System .**

3 **Touch Pairing .**

4 **Touch Set Passcode .**

5 **Input any "four-digit passcode", then touch Enter .**

Passcode	10:00
* * * *_	

```
     1        2        3
                              Erase
     4        5        6
                              Enter
     7        8        9
              0
   Please enter the Passcode (4 Digits)    Back
```

▼

The passcode setting is complete.
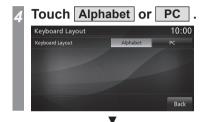
Keyboard Layout

This changes the keyboard layout.

1 **Press the SETTINGS key.**

This displays the settings menu.

2 **Touch System .**

3 **Touch Keyboard Layout .**

4 **Touch Alphabet or PC .**

Keyboard Layout	10:00
Keyboard Layout	Alphabet PC

```
                                        Back
```

▼

The layout change is complete.

Other Settings

You can make the settings concerning the screen and sound volume.

Display Off

This deletes the screen display.

1 **Press the** SETTINGS **key.**

This displays the settings menu.

2 **Touch** Display Off **.**

▼

This deletes the screen display.

> **ADVICE**
>
> • To display it again, touch the screen or press the ⊞ , [INFO], [AUDIO], [MAP], [NAVI MENU], [SETTINGS], [MODE], or [SOUND] key.

Picture Control

This adjusts the brightness, contrast, etc., for the menu screen, navigation screen, etc.

1 **Press the** SETTINGS **key.**

This displays the settings menu.

2 **Touch** Picture Control **.**

3 **Adjust items.**

Settings name	Settings content
Brightness	Adjusts the brightness. Touching [+] makes the display brighter, touching [-] makes it dimmer. Allows you to adjust continuously by continuing the touch.
Contrast	Adjusts the contrast. Touching [+] increases the contrast, touching [-] decreases it. Allows you to adjust continuously by continuing the touch.
Black Level	Adjusts the black level. Touching [+] increases the black level, touching [-] decreases it. Allows you to adjust continuously by continuing the touch.

Vehicle Settings

You can make settings for the vehicle equipment.(Only on vehicles that support this function)

1 **Press the** SETTINGS **key.**

This displays the settings menu.

2 **Touch** Vehicle Settings **.**

3 **Touch the "name of the equipment" to set.**

4 **Touch the "item" to change.**

5 **Touch the "set value".**

▼

The vehicle equipment setting is complete.

Items That Can Be Set

> **NOTE**
> - *1 and *2 are items that may not be displayed, depending on the supporting vehicle specifications.
> - Either "Keyless Entry System" or "Keyless Operation System" is displayed, depending on the vehicle equipment.

Keyless Entry System

Item	Settings content
Turn Signal Lights Answerback	Sets the number of times the lights flash for locking and unlocking.
Horn Answerback at Remote Lock[1]	Sets the sound (from the horn) for locking.
Duration of Horn Answerback[1]	Sets the duration of the sound (from the horn) for locking.
Horn Answerback Sounds at Keyless Entry Lock[2]	Sets the sound (from the horn) for locking.
Duration of Horn Answerback Sounds[2]	Sets the duration of the sound (from the horn) for locking.
Siren Answerback Sounds[2]	Sets the type of sound for locking and unlocking.
Multi Mode Keyless Entry System	Sets power window and door mirror operation.
The Number of Lock Button Pushes for Dead Lock	Sets the number of times to press the lock button to put the locks into the dead lock state.

Keyless Operation System

Item	Settings content
Turn Signal Lights Answerback	Sets the number of times the lights flash for locking and unlocking.
Horn Answerback at Remote Lock[1]	Sets the sound (from the horn) for locking.
Horn Answerback Sounds at Keyless Entry Lock[2]	Sets the sound (from the horn) for locking.
Duration of Horn Answerback Sounds	Sets the duration of the sound (from the horn) for locking.
Multi Mode Keyless Operation System	Sets power window and door mirror operation.
Keyless Operation Answerback Beep[1]	Sets the beep sound for locking and unlocking.
Time for Remote Unlock Inactivation after Locking[1]	Sets the duration you must wait after locking before unlocking again.
Door Entry and Engine Start Function[2]	Sets the range for which the keyless operation function is enabled.
Keyless Operation Answerback Beep Sounds[2]	Sets the beep sound for locking and unlocking.
Siren Answerback Sounds[2]	Sets the type of sound for locking and unlocking.
Keyless Operation Auto Lock when Leaving[2]	Enables/disables automatic locking.
Time for Remote Unlock Inactivation after Locking[2]	Sets the duration you must wait after locking before unlocking again.
The Number of Lock Button Pushes for Dead Lock	Sets the number of times to press the lock button to put the locks into the dead lock state.

Wipers

Item	Settings content
Windshield Wipers Intermittent Operation	Sets the operation interval for the windshield wipers. * Some setting items are disabled for certain grades and vehicle models.
Wipers Linked to Washer	Sets automatic operation of the windshield wipers when the washer fluid is sprayed.
Intelligent Washer[1]	Enables/disables the automatic cleaning function, which automatically operates the windshield wipers while spraying the washer fluid intermittently for a certain period of time.
Comfort Washer[2]	Enables/disables the automatic cleaning function, which automatically operates the windshield wipers while spraying the washer fluid intermittently for a certain period of time.
Rear Wiper Intermittent Interval	Sets the operation interval for the rear wipers.
Rear Wiper Continuous Operation[2]	Enables/disables the rear wiper continuous operation function.
Rear Wiper Activated when in Reverse	Sets automatic operation of the rear wipers when the selector lever is moved to the R (reverse) position.

Exterior Lights/Interior Lights

Item	Settings content
Headlight Auto-Off[1]	Sets the function that automatically puts out the headlights if they are ON and the driver switches OFF the engine and opens the locked door in order to exit the vehicle.
Sensitivity for Auto Headlight On Timing[1]	Sets the function that automatically switches ON the headlights when it becomes dark outside.
Headlight Auto-cutout Function[2]	Sets the function that automatically puts out the headlights if they are ON and the driver switches OFF the engine and opens the locked door in order to exit the vehicle.
Sensitivity for Auto Light[2]	Sets the timing for automatically switching on the headlights when it becomes dark outside.
Auto Light Linked to Wiper	Enables/disables the function that automatically switches ON the headlights when the windshield wipers are operated if the light switch is in the AUTO position.
Headlight Timeout when exiting Vehicle[1]	Sets the duration the headlights stay ON after the driver exits the vehicle.
Headlights ON when exiting Vehicle[2]	Sets the duration the headlights stay ON after the driver exits the vehicle.
Exterior Lights ON with Remote Unlock	Sets the function that switches ON the lights when the remote control Unlock button is pressed.
Interior Light Timeout[1]	Sets the duration the passenger compartment lights stays ON when the engine is switched OFF with the passenger compartment lights ON.
Interior Light Timeout after Door is Closed[1]	Sets duration the passenger compartment stays ON after the doors are closed.
Charging Lid Light Auto cut-out[1]	Sets the lighting duration for the charging lid light.
Interior Light Auto-cutout Time[2]	Sets the duration the passenger compartment lights stays ON when the engine is switched OFF with the passenger compartment lights ON.
Duration Dome Light Remains On after Door is Closed[2]	Sets duration the passenger compartment stays ON after the doors are closed.
Auto Instrument Panel Illumination[2]	Sets the timing for automatically switching ON the instrument panel lights and other lights.

Theft Alarm

Item	Settings content
Theft Alarm	Enables/disables the theft alarm.
Sensitivity for Theft sensor	Sets the sensitivity level for the sensor that operates the theft alarm.
Duration of Pre-Alarm	Sets the time of the pre-alarm.
Panic Alarm	Enables/disables the panic alarm.

Power Windows

Item	Settings content
Timer Function after Ignition Switch Off	Sets the duration the power windows (and sunroof) stay open after the engine is switched OFF.
Open Operation after Ignition Switch Off	Enables/disables the function that opens the power windows after the engine is switched OFF.
Power Window Position Prohibited by Lock-switch	Sets which windows can be opened/closed from the driver's seat when the window lock switch is ON.

Turn Signal

Item	Settings content
Operation in Key Position	Sets the turn signal operation conditions.
Lane-change Signals (Flash 3 Times with 1 Touch)	Enables/disables the function that flashes three times if you gently operate the direction indicator lever when changing lanes.
Activation Time for Lane-change Signals	Sets the operating time for the direction indicator lever to trigger the lane-change signal (flash 3 times for 1 touch) function.

Power Door Locks

Item	Settings content
Automatic Relock after Unlocked by Remote	Sets the duration the door stays unlocked after it is unlocked with keyless entry or the keyless operation key.
Unlock Operation	Sets the doors for which unlocking is enabled.
Automatic Unlock[1]	Sets automatic door unlocking.
Automatic Locking at Vehicle Speed[2]	Enables/disables the function that automatically locks the doors when the vehicle starts moving.
Automatic Locking at Selector Lever "D" Position[2]	Enables/disables the function that automatically locks the doors when the selector lever is shifted to D (drive).
Automatic Unlock when Transmission Shifted to Park[2]	Sets automatic door unlocking.

Air Conditioner[1]

Item	Settings content
Recirculation Control	Enables/disables the function that automatically switches between recirculate and refresh mode.
A/C Switch Control	Sets the A/C switch to Auto or Manual.
Eco Mode	Allows you to set Eco Mode. *Can be set with vehicles with Eco switch.
Foot / Defroster Airflow Ratio	Sets the airflow for the feet and defroster.
Face / Foot Airflow Ratio	Sets the airflow for the upper body and the feet.
Automatic Rear Defrost at Engine Start	Sets whether or not the rear defrost is operated when the engine is started.

Others

Item	Settings content
Auto Fold Mirrors	Sets door mirror automatic folding and extension.
Horn Answerback with Remote Engine Start[*1]	Enables/disables the function that sounds the horn when the engine is started with the remote controller.
Accessory Power Timeout[*1]	Sets the duration ACC stays ON when the ignition switch is ACC.
Horn Answerback Sounds at Remote Engine Start[*2]	Enables/disables the function that sounds the horn when the engine is started with the remote controller.
Auto Cut of ACC Power[*2]	Sets the duration ACC stays ON when the ignition switch is ACC.

Reset the Vehicle Settings

1 **Execute up to Step 2 in** *"Vehicle Settings"(P161)*.

▼

2 **Touch** [Reset all] .

3 **Touch** [Yes] .

▼

The resetting of equipment setting is complete.

Clock Screen

Displays the clock over the entire screen.

1 **Press the** `SETTINGS` **key.**

This displays the settings menu.

2 **Touch** `Clock Screen` .

▼

The clock is displayed.

ADVICE

- Touching the screen returns the display to the original screen.
- With [System Setting], [Time], and [Format Change], you can change the format for time display.
  →*"System Settings"(P156)*

Other

Troubleshooting

Please check these items if a message appears on the screen, or if you think something is not working properly.

If This Message Appears...

A message is displayed on the screen of this product according to the situation.

Navigation Functions

Message	Cause	Response
End of map coverage area	The map was scrolled to an area for which there is no map data.	Scroll the map back to where there is data.
Scale will be changed.	The centre of your car and cursor was moved from a location with a scale being set to a location without it. Or returned to a location where the scale is set.	-
No POI found.	A POI search was performed, but there is no POI in this product that matches the specified information.	Search using different conditions.
The programme cannot be written to the map card. Check the map card that is in the map slot.	The map card is in the "Lock" state and cannot be written.	Take out the map card and unlock the "Lock".
Map data cannot be read. Check the map card that is in the map slot.	Map data cannot be read from the map card.	If the system does not recover after a few minutes, stop your vehicle in a safe location, then check if the MAP card is properly inserted. →"SD Cards"(P14) If this does not fix the problem, consult with your dealer.
		Restore the map card system program using the program disc. Consult with your dealer. →"If This Product Does Not Start Up"(P175)
	No map card is inserted into the map slot.	Insert the map card. →"Insert an SD Card"(P15)
	The map card has malfunctioned for some reason.	Consult with your dealer.

Audio Functions

Message	Cause	Response
Play is impossible due to a mechanism error.	The drive has malfunctioned for some reason.	Check that there is no problem with the disc, and insert the disc again. If the problem persists, consult with your dealer.
	The disc is damaged or warped.	Do not insert a damaged or warped disc.
Play is impossible due to low battery voltage.	The vehicle's battery voltage has dropped.	Check the battery.
Cannot be played. Check the disk.	A disc is inserted that cannot be played.	Insert a disc that can be played. →"Types of Disc That Can Be Played Back" (P81)
	The disc is inserted upside down.	Insert with the label side up.
	The disc has condensation on it.	Wait a while before inserting again.
	The disc is dirty.	Clean the read surface of the disc.
Play is impossible due to high temperatures.	The temperature inside the product is high.	Remove the disc, and wait for the internal temperature to return to normal.
This iPod cannot be played.	Authentication failed.	Reconnect your iPod.
	The connected iPod has an unsupported format and cannot be recognized.	Use an iPod that supports this product. (P8)
	This iPod software version is not correct.	Please use the latest version software.
This USB memory cannot be played.	Authentication failed.	Reconnect the USB device.
No data that can be played.	There are no audio files that can be played back.	Add audio files that can be played. →"Audio Files(MP3/WMA/AAC/WAV)"(P82)
	An iPod not containing any tracks has been connected.	Connect an iPod containing tracks.
Cannot be played.	Unsupported audio files have been played.	Confirm audio files that can be played. →"Audio Files(MP3/WMA/AAC/WAV)"(P82)
	Copyright protected files have been played.	Copyright protected files cannot be played. Use files that are not copyright protected.
	The audio file is corrupted.	Add uncorrupted audio files.
The SD card in the user slot could not be written. Check the SD card.	The SD card in the user slot is in the "Lock" state and cannot be written.	Take out the SD card from the user slot and unlock the "Lock".

Other

Here is a list of symptoms, causes and responses if you think something is not working properly.

Common

Symptoms	Cause	Response
The operation sound is not made.	The operation sound is set to [OFF].	Set the [Navi Voice/Others] "Beep Sound Volume" to [1] to [3]. →"Navi Voice/Others"(P150)
Nothing is displayed on the screen.	The screen is turned OFF.	Stop the vehicle in a safe location, apply the parking brakes, then perform the operation to turn the screen back ON (P161).
	The vehicle's battery voltage has dropped.	Charge or replace the battery.
	The temperature inside the product is high.	Please wait for the temperature to drop.
The monitor screen is dark.	The monitor brightness is not correctly adjusted.	Adjust the monitor brightness. → "Picture Control"(P161)
	The vehicle's lights are ON.	The factory default setting is that when the vehicle's lights are ON, the screen becomes dark. Press the ☀/C key and change this setting. → "Main Unit Panel"(P12)
	Day & night colours setting is "Set Night".	Press the ☀/C key and change this setting. →"Main Unit Panel"(P12)

Navigation Functions

Symptoms	Cause	Response
The navigation function does not start.	No map card is inserted.	Insert the map card. →"Insert an SD Card"(P15)
	The wrong SD card is inserted.	Insert the special map card.
	No map card is recognized.	Re-insert the map card.
The mark of your car is not displayed in the correct position.	There is a problem with the radio signals from the GPS satellite.	Please go on for a little while in the GPS receiving state.
	The vehicle moved by ferry or the like.	
	The vehicle's direction was changed by a turntable in a parking garage or the like.	
	The speed learning level is low.	Please drive at a constant speed without accelerating or decelerating on a motorway or similar road.
GPS cannot be received.	When this product is used for the first time, it takes a while to calculate the position of your car.	Wait in a location with a good view for a while.
	When this product has not been used for long time, it takes a while to calculate the position of your car.	
	A mirror type film or shade film that contains carbon is pasted onto the windshield near the GPS antenna.	Check the position of the GPS antenna (P27) and if such a film may be the cause of the problem, peel off that film.
	Some other antenna is near the GPS antenna.	Check the position of the GPS antenna (P27) and if another antenna may be the cause of the problem, move that other antenna.
	There is something on the GPS antenna.	Check the position of the GPS antenna (P27) and if something on the GPS antenna may be the cause of the problem, remove it.
Menu operation is not possible.	Immediately after the ignition switch is turned to ACC or ON, some functions cannot be used immediately after the map screen is displayed because data is being read in.	Please wait until the reading is completed.
There is no audio guidance.	The audio guidance volume is "OFF".	Set the [Navi Voice/Others] "Guidance Voice Volume" to [1] to [7]. →"Navi Voice/Others"(P150)

Other

Audio Functions

Symptoms	Cause	Response
There is no sound or quiet sound.	The volume is turned to its minimum.	Adjust the volume. →*"Adjust Volume"(P76)*
	The balance or fader is turned to one side.	Adjust the balance or fader. →*"Balance/Fader"(P153)*
	"Audio OFF".	Switch to "Audio ON". →*"Switch Audio ON/OFF"(P76)*
The disc cannot be played.	The disc is inserted upside down.	Insert with the label side up.
	The disc has condensation on it.	Wait a while before inserting.
	The disc is dirty.	Clean the read surface of the disc.

After the Car Battery Has Been Replaced

When the car battery is replaced, some of the memory contents are deleted.

Example: the set route
(The set destination and any waypoints are retained.)
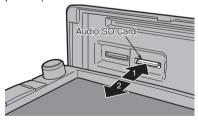
If This Product Does Not Start Up

If the map card program is damaged, use the program disc to restore it.

- The program disc for updating is required. For details, please consult your Mitsubishi Motors Dealer.
- Even if the program disc is inserted into this product, it cannot be restored.
- If the map card is damaged, it cannot be restored.
- Do not switch the ignition key to "ACC OFF" during the program restoration.
- Unlock the MAP card and audio SD card locks beforehand.
- For usable SD cards, refer to the compatibility table *(P83)*.

1 **Take the audio SD card out of this product.**

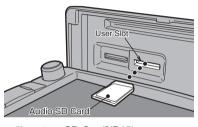(Only if there is an audio SD card in this product)

Audio SD Card

→*"Remove the SD Card"(P16)*

2 **Copy the "Loading.kwi" file on the program disc onto an audio SD card.**

Copy from your home computer to the audio SD card.

3 **Insert the audio SD card onto which you copied the extracted files into this product.**

User Slot

Audio SD Card

→*"Insert an SD Card"(P15)*

4 **Switch the vehicle's ignition key to "ACC" or "ON".**

Switch the ignition key "OFF", then back on.

▼

The program is written from the audio SD card to the map card and this product starts up.

ADVICE

- You can also start this product by loading the audio SD card that the file was copied to into the map slot, then turning the ignition key to "ACC" or "ON". However, the navigation function cannot be used.

Other

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Other