

SCION

Navigation System

Owner's Manual

NSDA-W11U

Introduction

Thank you for your purchase of the Navigation System. Please read this manual carefully to ensure proper use. Keep this manual in your vehicle at all times.

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

The navigation system is designed to select efficient routes from your present starting location to your destination. The system is also designed to direct you to a destination that is unfamiliar to you in an efficient manner. Map database is made based on AISIN AW maps, whose information source comes from NAVTEQ maps. The calculated routes may not be the shortest nor the least traffic congested. Your own personal local knowledge or “short cut” may at times be faster than the calculated routes.

The navigation system’s database includes about 110 Point of Interest categories to allow you to easily select destinations such as restaurants and hotels. If a destination is not in the database, you can enter the street address or a major intersection close to it and the system will guide you there.

The system will provide both a visual map and audio instructions. The audio instructions will announce the distance remaining and the direction to turn in approaching a fork or intersection. These voice instructions will help you keep your eyes on the road and are timed to provide enough time to allow you to maneuver, change lanes or slow down.

Please be aware that all current vehicle navigation systems have certain limitations that may affect their ability to perform properly. The accuracy of the vehicle's position depends on the satellite condition, road configuration, vehicle condition or other circumstances. For more information on the limitations of the system, refer to pages 270 through 272.

TOYOTA MOTOR CORPORATION

Important information about this manual

For safety reasons, this manual indicates items requiring particular attention with the following marks.

⚠ CAUTION

This is a warning against anything which may cause injury to people if the warning is ignored. You are informed about what you must or must not do in order to reduce the risk of injury to yourself and others.

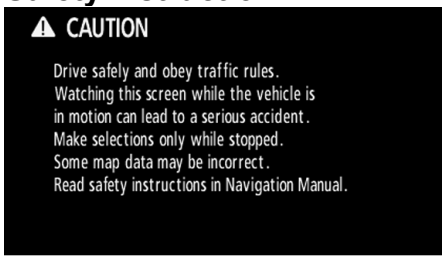
NOTICE

This is a warning against anything which may cause damage to the vehicle or its equipment if the warning is ignored. You are informed about what you must or must not do in order to avoid or reduce the risk of damage to your vehicle and its equipment.

INFORMATION

This provides additional information.

Safety Instruction



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

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

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

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

For your safety, some functions may become inoperable when driving. Unavailable touch screen buttons are dimmed. Only when the vehicle is not moving, can the destination and route selection be done.

⚠ CAUTION

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

While driving, listen to the voice instructions as much as possible and glance at the screen briefly and only when it is safe. However, do not totally rely on voice guidance. Use it just for reference. If the system cannot determine the current vehicle position correctly, there is a possibility of incorrect, late, or non-voice guidance.

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

This system cannot warn about such things as the safety of an area, condition of streets, and availability of emergency services. If unsure about the safety of an area, do not drive into it. **Under no circumstances is this system a substitute for the driver's personal judgement.**

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

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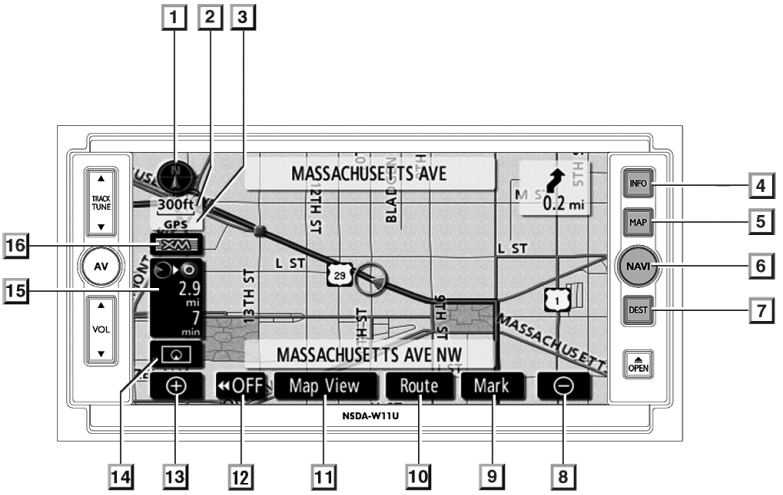
*: Point(s) of Interest

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— Quick reference



1 **North-up, heading-up or 2.5D map symbol**

This symbol indicates a map view with north-up or heading-up orientation, or 2.5D. Touching this symbol changes the map orientation and configuration. 35

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This figure indicates the map scale.....35

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Whenever your vehicle is receiving signals from the GPS, this mark is displayed. 270

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Push this button to display the "Information" screen.
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5 **"MAP" button**

Push this button to repeat a voice guidance, cancel one touch scroll, start guidance and display the current position.
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6 **"NAVI" button**

Push this button to display the "Menu" screen. 16

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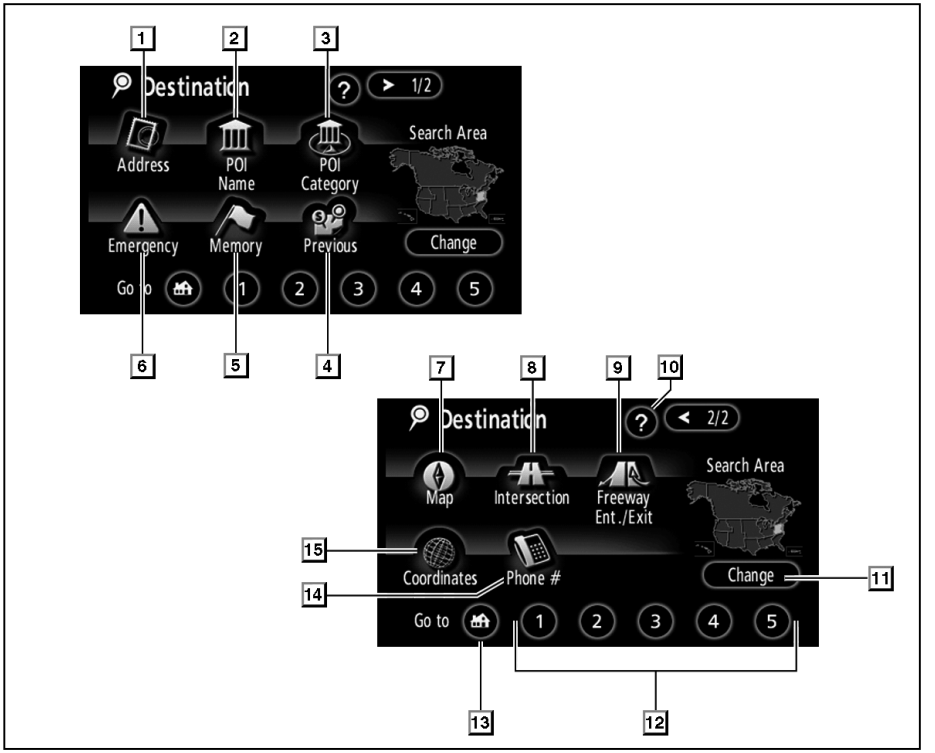
Displays the distance, the estimated travel time to the destination, and the estimated arrival time at the destination.
..... 71

16 XM® NavTraffic indicator

This indicator is displayed when XM® NavTraffic info. is received. 90

— “Destination” screen

The “Destination” screen allows you to search for a destination. To display the “Destination” screen, push the **“DEST”** button.



1 “Address”

A street address and a house number can be input by using the input keys. 45

2 “POI Name”

Select one of the many POIs (Points of Interest) that have already been stored in the system’s database. 49

3 “POI Category”

A destination can be selected from the POI category. 52

4 “Previous”

A destination can be selected from any of the last 100 previously set destinations and from the previous starting point. 57

5 “Memory”

The location can be selected from the registered “Memory points”. (To register memory points, see “ — Registering memory points” on page 97.) 56

6 “Emergency”

One of the four categories of emergency service points that are already stored in the system’s database can be selected. 55

7 "Map"

A destination can be selected simply by touching the location on the displayed map. 57

8 "Intersection"

The names of two intersecting streets can be entered. This is helpful if only the general vicinity, not the specific address, is known. 58

9 "Freeway Ent./Exit"

The name of a freeway (interstate) entrance or exit can be entered 59

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To change the search area, touch this touch screen button. 42

12 Quick access touch screen buttons

One of 5 preset destinations can be selected by touching the screen directly. To use this function, it is necessary to set the "Quick Access" for each memory point. (To register a "Quick Access", see " — Editing memory points" on page 98.)..... 45

13 Home touch screen button

A personal home address can be selected without entering the address each time. To use this function, it is necessary to set "Home" for the memory point. (To register "Home", see " — Registering home" on page 103.)..... 44

14 "Phone #"

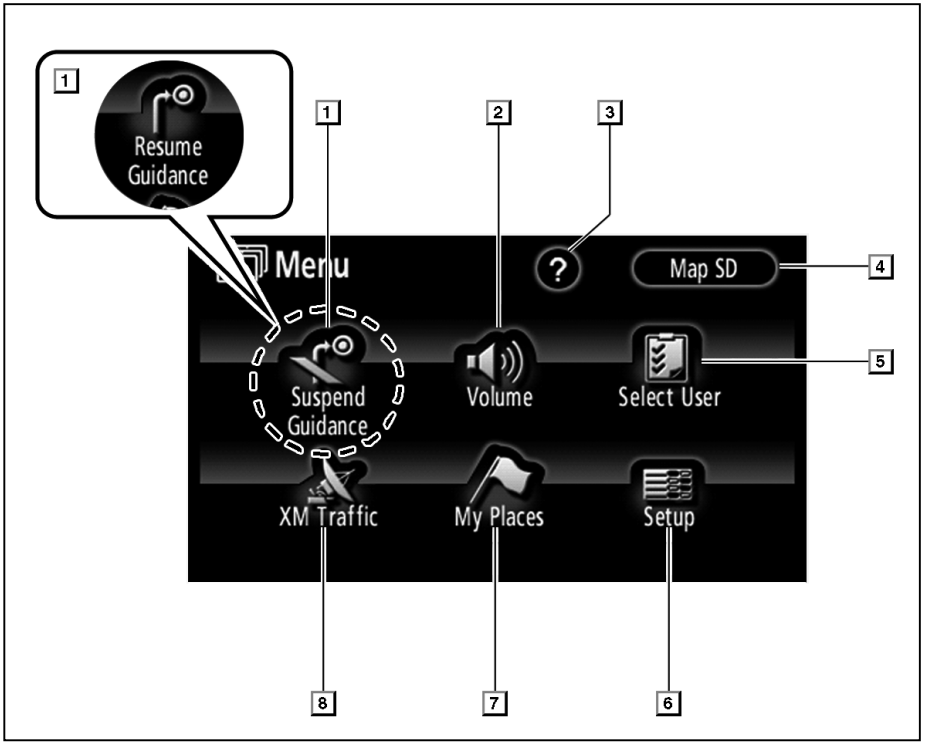
A destination can be entered by the telephone number. 60

15 "Coordinates"

A destination can be set by using latitude and longitude as coordinates. 60

— “Menu” screen

The “Menu” screen allows effective use of the navigation system. To display the “Menu” screen, push the **“NAVI”** button.



1 “Suspend Guidance” and “Resume Guidance”

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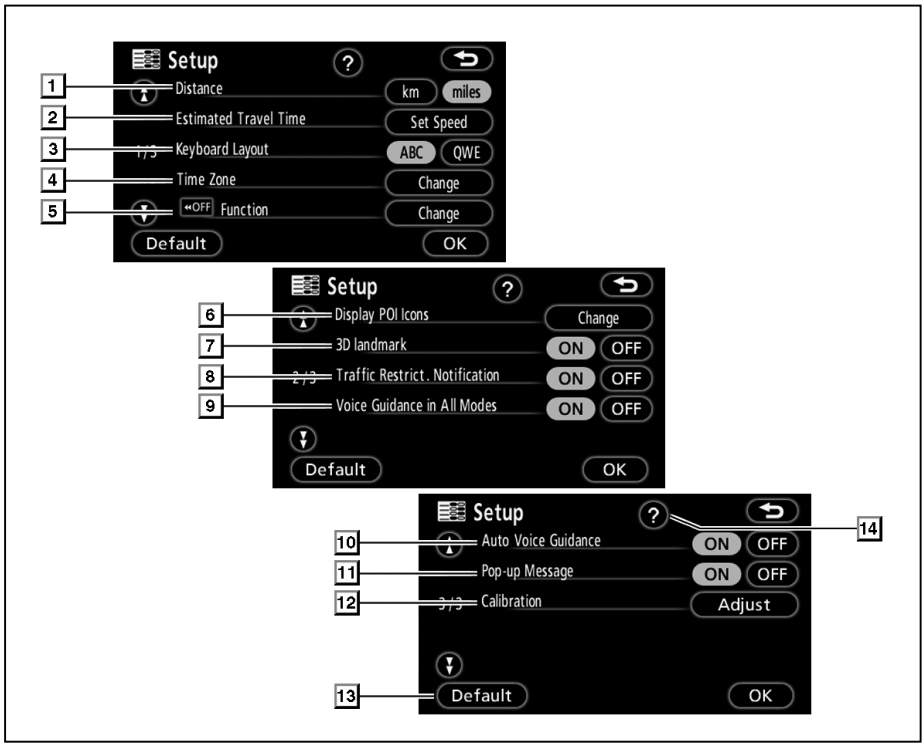
Enables changes to “Memory Points”, “Home” and “Areas to Avoid”. Enables deletion of the previous point. 96

8 “XM Traffic”

Set XM® NavTraffic information. 90

— “Setup” screen

The items shown on the “Setup” screen can be set. To display the “Setup” screen, push the **“NAVI”** button and touch **“Setup”**.



1 “Distance”

The distance units **“km”** or **“miles”** can be selected..... 109

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12 “Calibration”

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13 “Default”

This touch screen button initializes all of the settings. 109

14 “?”

Function help for the “Setup” screen can be viewed. 27

SECTION 1

BASIC FUNCTIONS

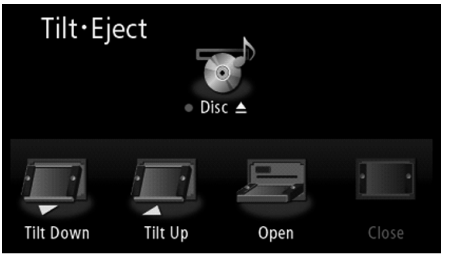
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Display operation

When visibility is affected by light from outside the vehicle, the screen can be adjusted to three different angles.

1. Push the "⏏ OPEN" button.



2. Touch "Tilt Down" or "Tilt Up".

The display tilts one step (10°) downwards or upwards.

Each touch of "Tilt Down" or "Tilt Up" tilts the display downwards or upwards one step.

When the display is tilted to the maximum angle (30°), "Tilt Down" is dimmed. When the display is tilted to the minimum angle (0°), "Tilt Up" is dimmed.

⚠CAUTION

Injury may result from placing a hand or any fingers on the display while it is moving.

NOTICE

- ***Do not obstruct the display while it is moving. It could damage your navigation system.***
- ***Do not place any foreign objects on the display while it is moving. It could damage your navigation system.***

INFORMATION

- ***The display can still be opened when tilted. When the display is closed it returns to its previous tilted position.***
- ***Vehicles with smart entry and start system-***
  The display returns to its initial position (0°) if the "ENGINE START STOP" switch is turned off when the display is tilted. The display then returns to its previous tilted position when the "ENGINE START STOP" switch is next turned to ACCESSORY or IGNITION ON mode.
- ***Vehicles without smart entry and start system-***
  The display returns to its initial position (0°) if the engine switch is turned to the "LOCK" position when the display is tilted. The display then returns to its previous tilted position when the engine switch is next turned to the "ACC" or "IG-ON" position.
- ***Under extremely cold conditions, the display may react slowly or operation sound may become louder.***

Initial screen



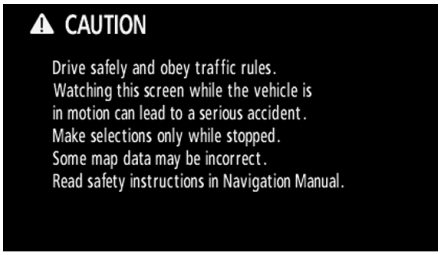
Vehicles with smart entry and start system—

When the “ENGINE START STOP” switch is in the ACCESSORY or IGNITION ON mode, the initial screen will be displayed and the system will begin operating.

Vehicles without smart entry and start system—

When the engine switch is in ACC or ON position, the initial screen will be displayed and the system will begin operating.

After a few seconds, the “CAUTION” screen will be displayed.



After about 5 seconds, the “CAUTION” screen automatically switches to the map screen. When the **“MAP”** button is also pushed, the map screen is displayed.

While the “CAUTION” screen is displayed, the **“DEST”** or **“NAVI”** button cannot be operated. And if the **“Language”**, **“Calendar”** or **“Maintenance”** button on the “Information” screen are touched, the screen will show the “CAUTION” screen first, followed by the corresponding screen.

- **Maintenance information**

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

When the vehicle reaches a previously set driving distance or date specified for a scheduled maintenance check, the “Information” screen will be displayed when the navigation system is in operation.



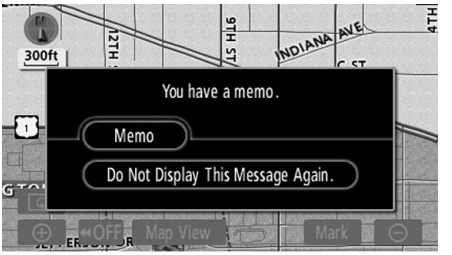
To disable this screen, touch “Do Not Display This Message Again.”. This screen goes off if the screen is not operated for several seconds.

To prevent this information screen from being displayed again, touch **“Do Not Display This Message Again.”**.

To register “Maintenance information”, see “Maintenance information” on page 120.

- **Memo information**

This system notifies the user about a memo entry. At the specified date, the memo information will be displayed when the navigation system is in operation. The memo information screen will be displayed every time the system is turned on.



The memo of the current date can be viewed by touching “Memo”. (See “ — Editing a memo” on page 127.)

To disable this screen, touch “Do Not Display This Message Again”. This screen goes off if the screen is not operated for several seconds.

To prevent this information screen from being displayed again, touch **“Do Not Display This Message Again”**.

To register a memo information, see “Calendar with memo” on page 124.

Touch screen operation

This system is operated mainly by the touch screen buttons on the screen.

To prevent damage to the screen, lightly touch the touch screen buttons with the finger. When a touch screen button is touched, a beep sounds.

Do not use objects other than your finger to touch the screen.

INFORMATION

- ***If the system does not respond to a touch on a touch screen button, move the finger away from the screen and then touch it again.***
- ***Dimmed touch screen buttons cannot be operated.***
- ***Wipe off fingerprints using a glass cleaning cloth. Do not use chemical cleaners to clean the touch screen.***
- ***The displayed image may become darker and moving images may be slightly distorted when the display is cold.***
- ***Under extremely cold conditions, the map may not be displayed and the data input by a user may be deleted. Also, the touch screen buttons may be harder than usual to depress.***
- ***When you look at the screen through polarized material such as polarized sunglasses, the screen may be dark and hard to see. If so, change the angle of the screen, look at the screen from different angles, adjust the screen settings on the "Display" screen, or take off your sunglasses.***

Inputting letters and numbers/List screen operation

When searching for an address or a name, or entering a memo, letters and numbers can be input via the touch screen.

INFORMATION

Keyboard layout can be changed. (See page 111).

- **To input letters**

To display the alphabet keys, touch **"A-Z"** or **"À–Ý"**.



Enter letters by touching the alphabet keys directly.

: Touching this touch screen button erases one letter. By holding this touch screen button, letters will continue to be erase.

On certain letter entry screens, letters can be entered in upper or lower case.



: To enter in upper case.

: To enter in lower case.

- **To input numbers and symbols**

To display the number keys and symbol keys, touch **"0-9"**.



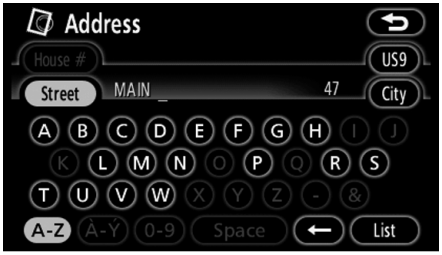
Enter numbers and symbols by touching the number keys and symbol keys directly.

: Touching this touch screen button erases one letter. By holding this touch screen button, letters will continue to be erased.

1/2 : Touching this touch screen button displays other symbols.

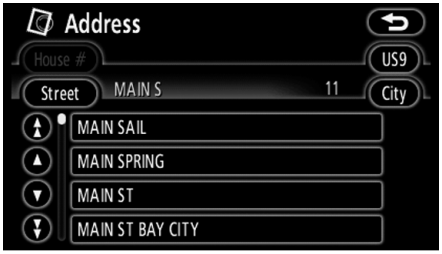
2/2

- **To display the list**



To search for an address or a name, touch **"List"**. Matching items from the database are listed even if the entered address or name is incomplete.

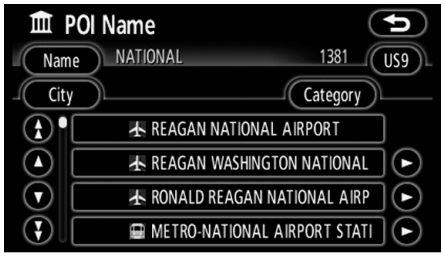
If the number of matches is four or less, the list is displayed without touching **"List"**.



INFORMATION
The number of matching items is shown to the right side of the screen. If the number of matching items is more than 9,999, the system displays "*" on the screen.***

- **List screen operation**

When a list is displayed, use the appropriate touch screen button to scroll through the list.



To shift to the next or previous page.

To scroll up or down one item at a time.

This expresses a displayed screen position.

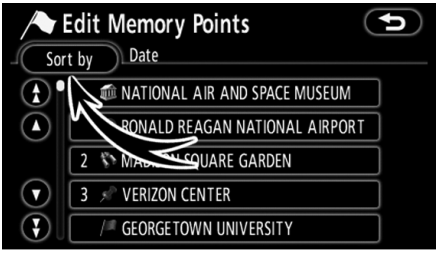
If appears to the right of the item name, the complete name is too long for the display. Touch to scroll to the end of the name.

Touch to move to the beginning of the name.

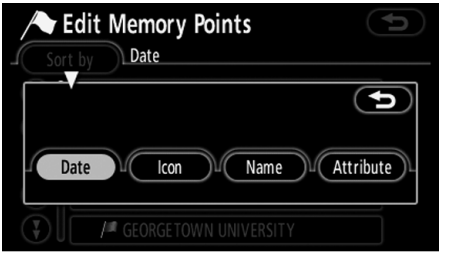
- **Sorting**

The order of a list displayed on the screen can be rearranged.

TYPE A



1. Touch "Sort by".



2. Select the desired sorting criteria.

Sorting criteria are as follows:

"Distance": To sort in the order of distance from your current location.

"Date": To sort in the order of the date.

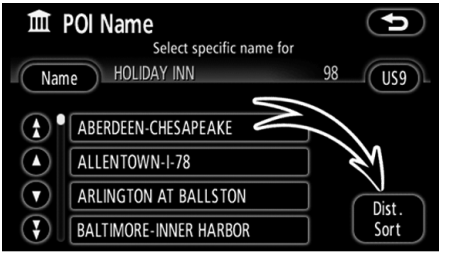
"Category": To sort in the order of the category.

"Icon": To sort in the order of the icons.

"Name": To sort in the order by name.

"Attribute": To sort in the order by attribute.

TYPE B



"Dist. Sort": To sort in the order of distance from the current vehicle location. The distance from current vehicle position up to the destination is displayed to the right of the name.

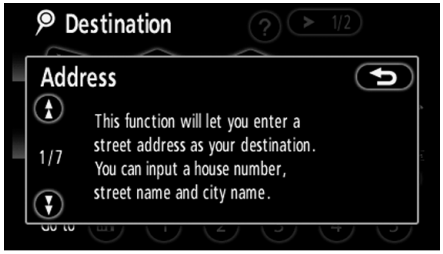
"Name Sort": To sort in alphabetical order by name.

Function help

Explanations for the functions of the "Destination", "Setup" and "Menu" screens can be viewed.



Touch (?).



: To view the previous page.

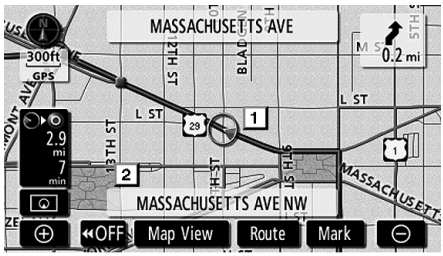
: To view the next page.

: To return to the previous screen.

Map screen operation — — Current position display

When starting the navigation system, the current position is displayed first.

This screen displays the current vehicle position and a map of the surrounding local area.



The current vehicle position mark (1) appears in the center or bottom center of the map screen.

A street name will appear on the bottom of the screen, depending on the scale of the map (2).

You can return to this map screen that shows your current position at any time from any screen by pushing the **"MAP"** button.

While driving, the current vehicle position mark is fixed on the screen and the map moves.

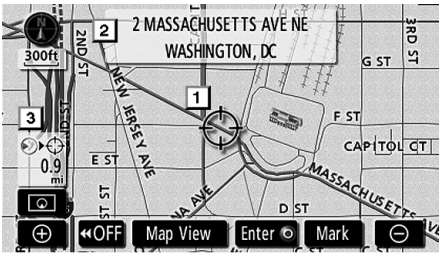
The current position is automatically set as the vehicle receives signals from the GPS (Global Positioning System). If the current position is not correct, it is automatically corrected after the vehicle receives signals from the GPS.

INFORMATION

- ***After battery disconnection, or on a new vehicle, the current position may not be correct. As soon as the system receives signals from the GPS, the correct current position is displayed.***
- ***To correct the current position manually, see page 117.***

— Screen scroll operation (one−touch scroll)

When any point on the map is touched, that point moves to the center of the screen and is shown by the cursor mark (1).



Use the scroll feature to move the desired point to the center of the screen for looking at a point on the map that is different from the current position of the vehicle.

If the finger is continuously held on the screen, the map will continue scrolling in that direction until the finger is removed.

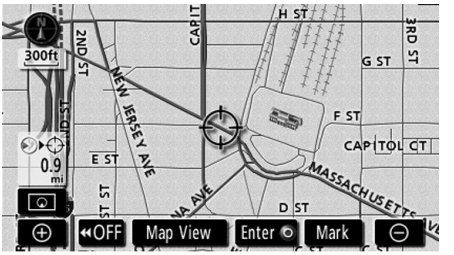
A street name, city name, etc. of the touched point will be shown, depending on the scale of the map (2). Distance from the current position to ⌖ will also be shown (3).

After the screen is scrolled, the map remains centered at the selected location until another function is activated. The current vehicle position mark will continue to move along your actual route and may move off the screen. When the **"MAP"** button is pushed, the current vehicle position mark returns to the center of the screen and the map moves as the vehicle proceeds along the designated route.

INFORMATION
When the one-touch scroll feature is used, the current vehicle position mark may disappear from the screen. Move the map with a one-touch scroll again or push the "MAP" button to return to the current vehicle position map location display.

- **To set the cursor position as a destination**

A specific point on the map can be set as a destination using the one-touch scroll function.



Touch "Enter ⊙".

The screen changes and displays the map location of the selected destination and the route preference. (See "Starting route guidance" on page 61.)

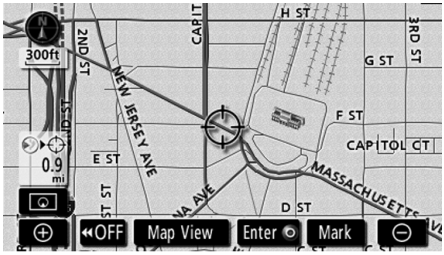
If there is already a set destination, **"Add to ⊙"** and **"Replace ⊙"** are displayed.

"Add to ⊙": To add a destination.

"Replace ⊙": To delete the existing destinations and set a new one.

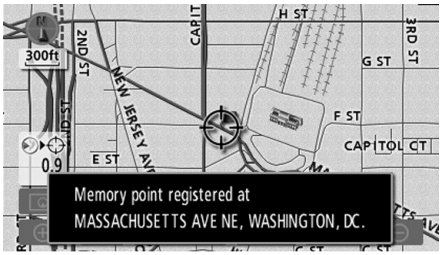
- **To register the cursor position as a memory point**

Memory point registration enables easy access to a specific point.



Touch "Mark".

When you touch **"Mark"**, the following screen appears for a few seconds, and then the map screen returns.



The registered point is shown by on the map.

To change the icon or name, etc., see " — Editing memory points" on page 98.

Up to 106 memory points can be registered. If there is an attempt to register more than 106, a message appears for confirmation.



- **To see information about the icon where the cursor is set**



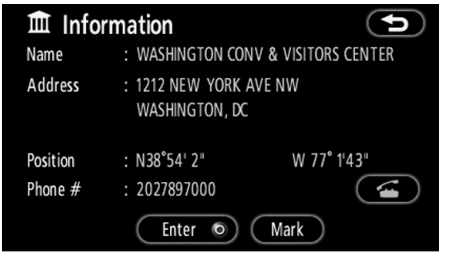
To display information about an icon, set the cursor on it.

POI INFORMATION

When the cursor is set on a POI icon, the name and **"Info."** are displayed on the top of the screen.



Touch "Info.".



Information such as the name, address, position and phone number are displayed.

If **"Enter ⊙"** is touched, the position of the cursor is set as a destination.

If there is already a set destination, **"Add to ⊙"** and **"Replace ⊙"** are displayed.

"Add to ⊙": To add a destination.

"Replace ⊙": To delete the existing destinations and set a new one.

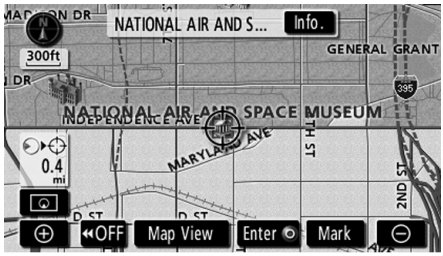
To register this POI as a memory point, touch **"Mark"**. (See " — Registering memory points" on page 97.)

If is touched, the registered telephone number can be called.

INFORMATION
The desired Point of Interest can be displayed on the map screen. (See " — Display POI icons" on page 78.)

MEMORY POINT INFORMATION

When the cursor is set on a memory point icon, the name and **"Info."** are displayed on the top of the screen.



Touch "Info.".



Information such as the name, address, position and phone number are displayed.

If **"Enter ⊙"** is touched, the position of the cursor is set as a destination.

If there is already a set destination, **"Add to ⊙"** and **"Replace ⊙"** are displayed.

"Add to ⊙": To add a destination.

"Replace ⊙": To delete the existing destinations and set a new one.

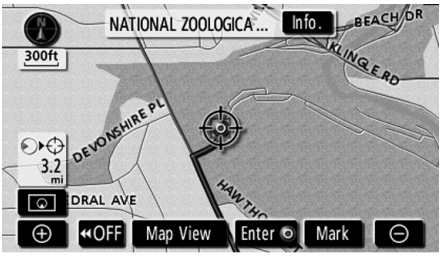
To edit a memory point, touch **"Edit"**. (See " — Editing memory points" on page 98.)

To delete a memory point, touch **"Delete"**.

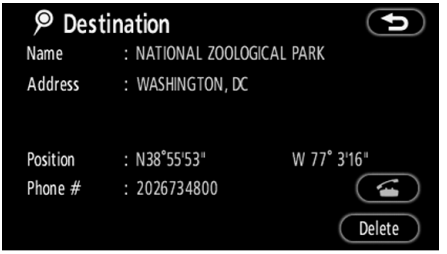
If is touched, the registered telephone number can be called.

DESTINATION INFORMATION

When the cursor is set on a destination icon, the name and **"Info."** are displayed on the top of the screen.



Touch "Info.".



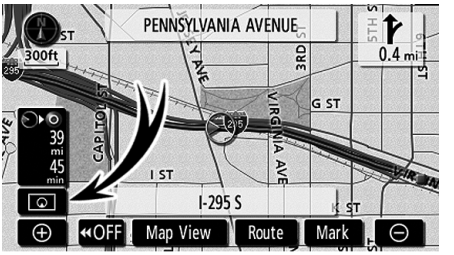
Information such as the name, address, position and phone number are displayed.

To delete a destination, touch **"Delete"**.

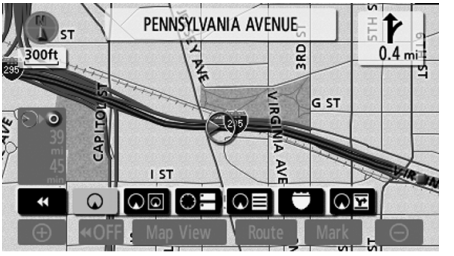
If is touched, the registered telephone number can be called.

— Switching the screens

Any one of the screen configurations can be selected.



1. Touch this touch screen button to display the following screen.



2. To select the desired screen configuration, touch one of the following touch screen buttons.

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

: To display the single map screen. (See page 33.)

: To display the dual map screen. (See page 34.)

: To display the compass mode screen. (See page 34.)

: To display the turn list screen. (See page 68.)

: To display the arrow screen. (See page 68.)

: To display the freeway information screen. (See page 66.)

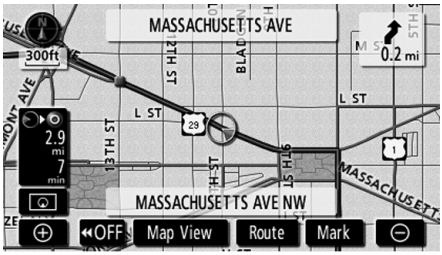
: To display the intersection guidance screen or the guidance screen on the freeway. (See page 67.)

- **Screen configurations**

SINGLE MAP

This is a regular map screen.

While on a different screen, touching will display the single map screen.

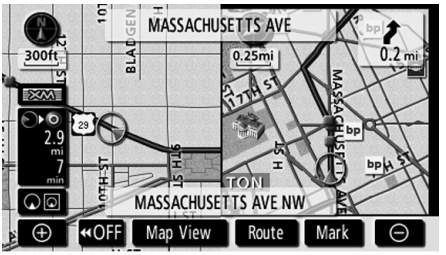


The screen shows the single map.

DUAL MAP

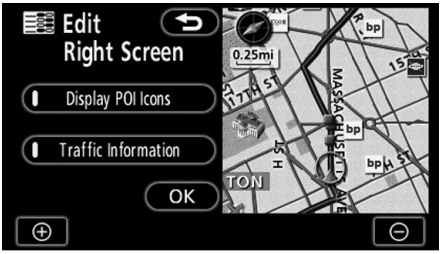
A map can be displayed split in two.

While on a different screen, touching will display the dual map screen.



The screen shows the dual map. The map on the left is the main map.

The right side map can be edited by touching any specific point on the right side map.



This screen can perform the following procedures.

1. Changing the map scale
2. Displaying the POI icons
3. Show XM® NavTraffic info. (See page 90.)
4. Changing the orientation of the map

Touch "OK" when you complete editing.

The screen returns to the dual map screen.

COMPASS MODE

Current vehicle position is indicated with a compass, not with a map.

While on a different screen, touching will display the compass mode screen.



Information about the destination and current position, as well as a compass, is displayed on the screen.

The destination mark is displayed in the direction of the destination. When driving refer to the longitude and latitude coordinates, and the compass, to make sure that your vehicle is headed in the direction of the destination.

INFORMATION
When the vehicle travels out of the coverage area, the guidance screen changes to the compass mode screen.

— Map scale



Touch ⊕ or ⊖ to change the scale of the map display. The scale bar and indicator at the bottom of the screen indicates the map scale menu. The scale range is 150 feet (50 m) to 250 miles (400 km).

Touch ⊕ or ⊖ until the scale bar changes normally. By continuing to touch the touch screen button, the scale bar changes smoothly.

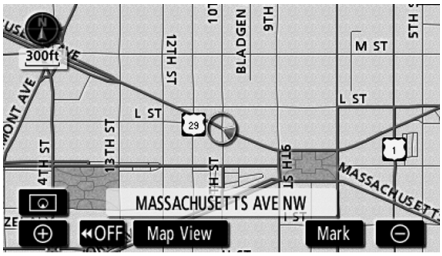
The scale of the map display can be changed by touching the scale bar directly. It is not available while driving.

The map scale is displayed under the North-up symbol or Heading-up symbol at the top left of the screen.

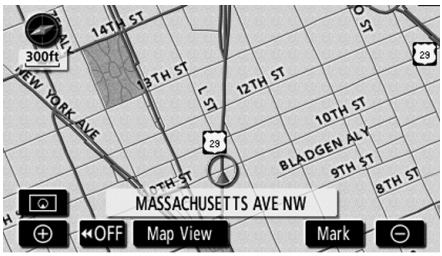
INFORMATION

When the map scale is at the maximum range of 250 miles (400 km), ⊖ is not shown.
When the map scale is at the minimum range of 150 feet (50 m), ⊕ is not shown.

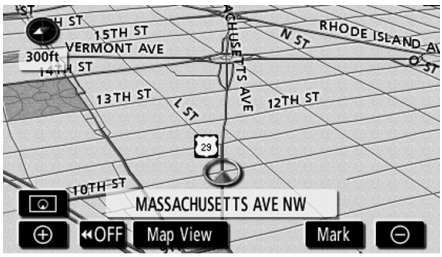
— Changing map orientation and configuration



► **North-up screen**



► **Heading-up screen**



► **2.5D map**

Touching the orientation symbol at the top left of the screen changes the orientation from North-up to Heading-up orientation, and the configuration from 2D to 2.5D.

North−up symbol

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

Heading−up symbol

The direction of vehicle travel is always up. A red arrow indicates North.

2.5D map symbol

The screen appears in 2.5D Heading up orientation.

Example of navigation system operation — — Guiding the route

Guidance to a destination occurs by specifying the destination using the “POI Name”.

1. Push the “DEST” button.



2. Touch “POI Name”.

INFORMATION
There are 13 different methods to search destinations. (See “Destination search” on page 42.)



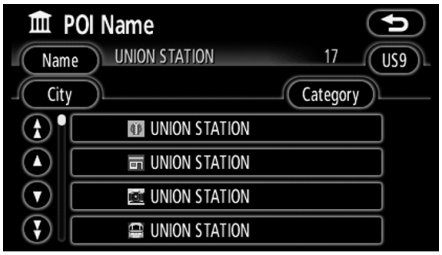
3. Enter the name of the destination.

Every touch on a letter key narrows the selection.

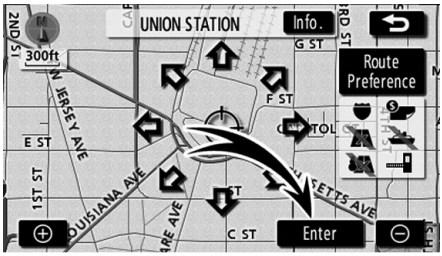
Letters that cannot be selected in the database are dimmed out.

When there are four or fewer database items, these items are displayed in a list.

Even if the entered name is incomplete, touching **"List"** displays the list.

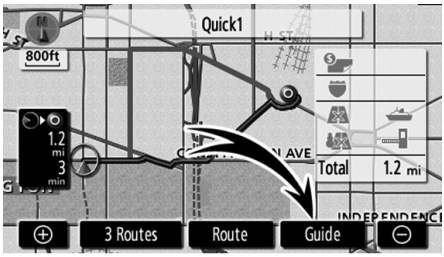


4. Select the destination from the displayed list.



5. Touch "Enter".

The system starts route search and displays recommended routes.



6. Touch "Guide".

Route guidance starts.

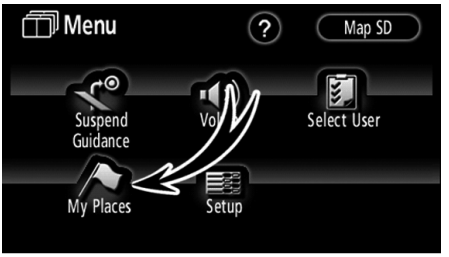
Guidance is done by both the screen and voice. (See "Route guidance screen" and "Typical voice guidance prompts" on pages 66 and 69.)

INFORMATION
It is possible to change the route. (See "Starting route guidance" on page 61.)

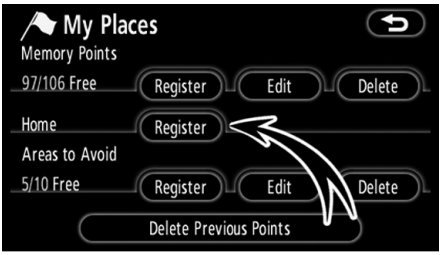
— Registering home

The home touch screen button on the "Destination" screen can be used if your home has been registered. (See " — Destination search by Home" on page 44.)

1. Push the "NAVI" button.



2. Touch "My Places".



3. Touch "Register".



4. Touch "Address".



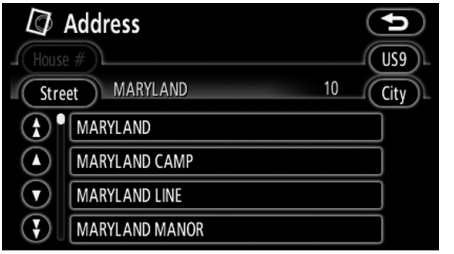
5. Enter the street name.

Every touch on a letter key narrows the selection.

Letters that cannot be selected in the database are dimmed out.

When there are four or fewer database items, these items are displayed in a list.

Even if the entered name is incomplete, touching **"List"** displays the list.



6. Select the street name from the displayed list.



7. Enter the house number.

If the same street exists in more than one city, the current screen changes to the city list screen. Select the city name.



8. Touch “Enter”.

Registration of home is complete and the “Memory Point” screen is displayed.



Registered “Home” information will be displayed.

The icon, quick access, name, location, and phone number can be changed. (See “ — Editing memory points” on page 98.)

SECTION 2

DESTINATION SEARCH

- **Destination search** ····· 42
  - Selecting the search area ····· 42
  - Destination search by Home ····· 44
  - Destination search by Quick access ····· 45
  - Destination search by “Address” ····· 45
  - Destination search by “POI* Name” ····· 49
  - Destination search by “POI* Category” ····· 52
  - Destination search by “Emergency” ····· 55
  - Destination search by “Memory” ····· 56
  - Destination search by “Previous” ····· 57
  - Destination search by “Map” ····· 57
  - Destination search by “Intersection” ····· 58
  - Destination search by “Freeway Ent./Exit” ····· 59
  - Destination search by “Coordinates” ····· 60
  - Destination search by “Phone #” ····· 60
- Starting route guidance ····· 61

*: Point of Interest

Destination search—

Push the "DEST" button.



You can use one of 13 different methods to search your destination. (See pages 44 through 60.)

INFORMATION
When searching the destination, the response to the touch screen button may be slow.

—Selecting the search area

SELECTING THE SEARCH AREA ON THE DESTINATION SCREEN

1. Push the "DEST" button.



2. Touch "Change" on the "Destination" screen to display a map of the United States and Canada divided into 14 areas. (For map database information and updates, see "Map database information and updates" on page 272.)



3. Touch one of "US1" through "PR" to select a search area.

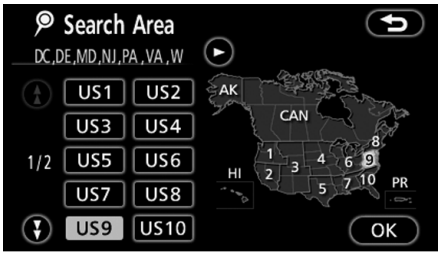
4. Touch "OK" and the "Destination" screen returns.

SELECTING THE SEARCH AREA ON THE INPUT SCREEN

Change the search area in order to set a destination from a different area by using “Address”, “POI Name”, “Intersection” or “Freeway Ent./Exit”.



1. Touch the search area button like “US9” on the input screen to display a map of the United States and Canada divided into 14 areas. (For map database information and updates, see “Map database information and updates” on page 272.)



2. Touch one of “US1” through “PR” to select a search area.

3. Touch “OK” and the previous screen returns.

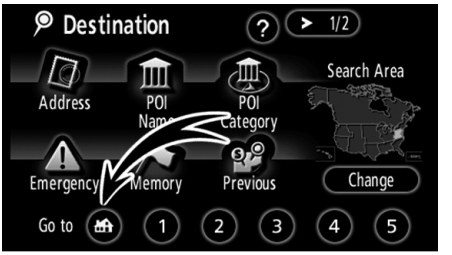
U.S.A.	
Button	States included in the search area
“US1”	Idaho Oregon Washington
“US2”	California Nevada
“US3”	Arizona Colorado Montana New Mexico Utah Wyoming
“US4”	Iowa Kansas Minnesota Missouri North Dakota Nebraska South Dakota
“US5”	Oklahoma Texas
“US6”	Illinois Indiana Kentucky Michigan Ohio Wisconsin
“US7”	Arkansas Alabama Louisiana Mississippi Tennessee
“US8”	Connecticut Massachusetts Maine New Hampshire New Jersey New York Rhode Island Vermont

U.S.A.	
“US9”	Washington, D.C. Delaware Maryland New Jersey Pennsylvania Virginia West Virginia
“US10”	Florida Georgia North Carolina South Carolina
“HI”	Hawaii
“AK”	Alaska
“PR”	Puerto Rico Virgin Islands

Canada	
Button	Provinces and regions included in the search area
“CAN”	All provinces and regions in Canada included in this button.

— Destination search by Home

1. Push the “DEST” button.



2. Touch the home touch screen button on the “Destination” screen.

The screen changes and displays the map location for home and the route preference. (See “Starting route guidance” on page 61.)

To use this function, it is necessary to set “Home” for the memory point. (To register “Home”, see page 103.)

— Destination search by Quick access

1. Push the “DEST” button.



2. Touch any of the quick access touch screen buttons on the “Destination” screen.

The screen changes and displays the map location of the quick access point and route preference. (See “Starting route guidance” on page 61.)

To use this function, it is necessary to set “Quick Access” for each memory point. (To register “Quick Access”, see page 100.)

—Destination search by “Address”

There are 2 ways to input a destination by address.

1. Push the “DEST” button.

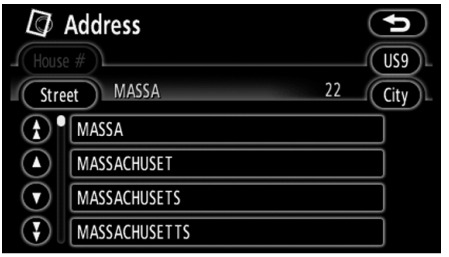
2. Touch “Address” on the “Destination” screen.



(a) Inputting a street name



1. Input the street name.



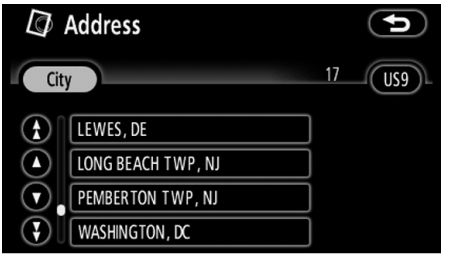
2. Touch the touch screen button of the desired street name.

The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 61.)

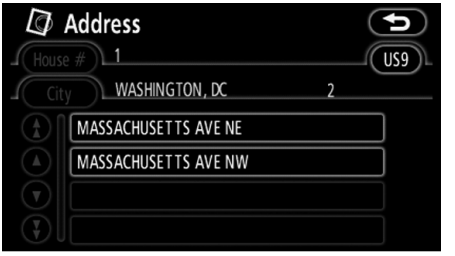


3. Input the house number.

If the house number list screen appears, an address range on that screen can be selected.



If the same street exists in more than one city, the current screen changes to the city list screen.

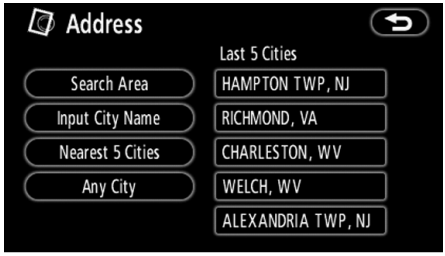


If more than one street of the same name exist in a city, the current screen changes to the street list screen.

(b) Selecting a city to search



Touch "City".



To search by city, the following three methods are possible.

1. Input the city name
2. Select from the nearest 5 cities
3. Select from the last 5 cities

INFORMATION

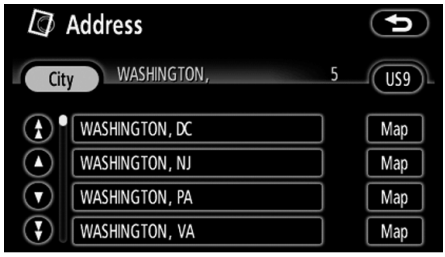
- ***To change the search area, touch "Search Area".***
- ***To cancel the city setting, touch "Any City".***

INPUTTING THE CITY NAME

1. Touch "Input City Name".



2. Input the city name.



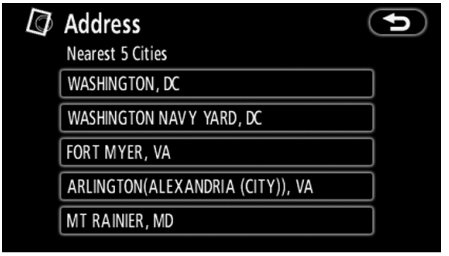
3. Touch the touch screen button of the desired city name from the displayed list.

"Map": To display the selected destination and the route preference. (See "Starting route guidance" on page 61.)

The current screen changes to the screen for inputting a street name. After inputting a street name, the screen may change to the screen for inputting a house number or a street map.

SELECTING FROM THE NEAREST 5 CITIES

1. Touch “Nearest 5 Cities”.



2. Touch the touch screen button of the desired city name.

The current screen changes to the screen for inputting a street name. After inputting a street name, the screen may change to the screen for inputting a house number or a street map.

SELECTING FROM THE LAST 5 CITIES



Touch the touch screen button of the desired city name.

If the navigation has never been used, no cities will be displayed on the screen.

The current screen changes to the screen for inputting a street name. After inputting a street name, the screen may change to the screen for inputting a house number or a street map.

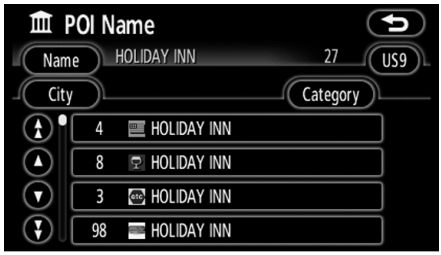
— Destination search by "POI Name"

1. Push the "DEST" button.

2. Touch "POI Name" on the "Destination" screen.



3. Input the name of the Point of Interest.



4. Touch the touch screen button of the desired destination.

The screen changes and displays the map location of the selected destination and the route preference. (See "Starting route guidance" on page 61.)

When inputting the name of a specific Point of Interest, and there are two or more sites with the same name, the list screen is displayed.



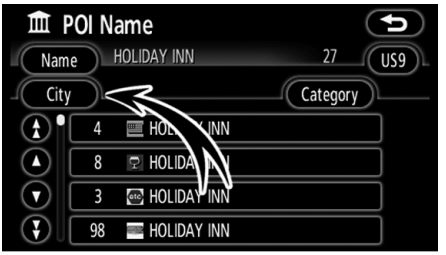
Touch the touch screen button of the desired destination.

If the same name exists in more than one city, a search can be performed more easily with **"City"** and **"Category"**. (See "(a) Selecting a city to search" on page 50 and "(b) Selecting from the categories" on page 52.)

INFORMATION

The desired Point of Interest can be displayed on the map screen. (See " — Display POI icons" on page 78.)

(a) Selecting a city to search



Touch "City".



To search by city, the following three methods are possible.

1. Input the city name
2. Select from the nearest 5 cities
3. Select from the last 5 cities

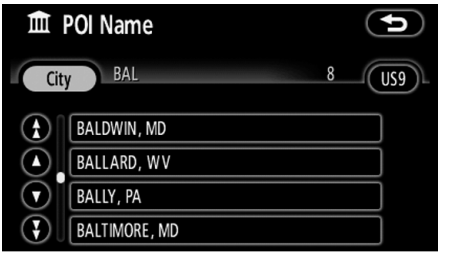
INFORMATION
● ***To change the search area, touch "Search Area".***
● ***To cancel the city setting, touch "Any City".***

INPUTTING THE CITY NAME

1. Touch "Input City Name".



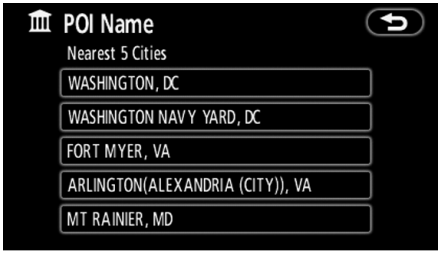
2. Input the city name.



3. Touch the touch screen button of the desired city name from the displayed list.

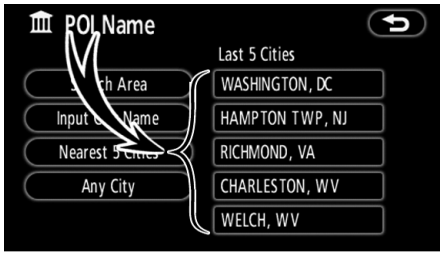
SELECTING FROM THE NEAREST 5 CITIES

1. Touch “Nearest 5 Cities”.



2. Touch the touch screen button of the desired city name.

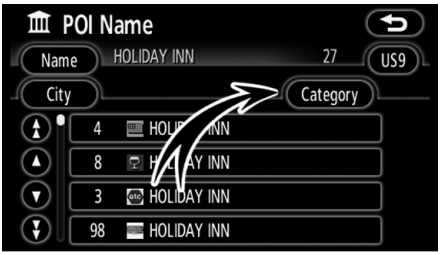
SELECTING FROM THE LAST 5 CITIES



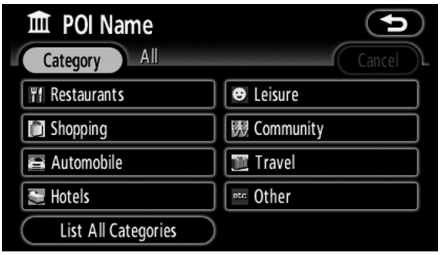
Touch the touch screen button of the desired city name.

If the navigation has never been used, no cities will be displayed on the screen.

(b) Selecting from the categories

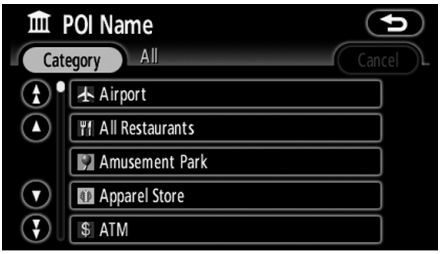


Touch "Category".



If the desired POI category is on the screen, touch the name to display a detailed list of the POI category.

If the desired POI category is not on the screen, touch **"List All Categories"** to list all POI categories.



When the desired category is touched, the POI name list or POI name input screen is displayed.

— Destination search by "POI Category"

The destination can be set by selecting the search point and the POI category.

1. Push the "DEST" button.

2. Touch "POI Category" on the "Destination" screen.



3. Set the search point by the following method:

1. Input the city center
2. Set the current position as the search point
3. Set the search point via the map screen
4. Set the search point from any destination

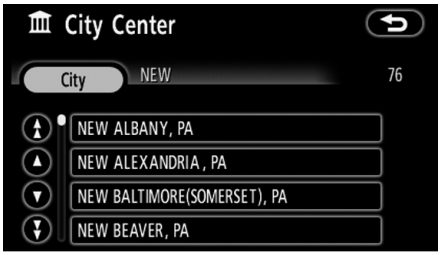
It is possible to display the names of POIs located within approximately 20 miles (32 km) from the selected search point.

INPUTTING THE CITY CENTER

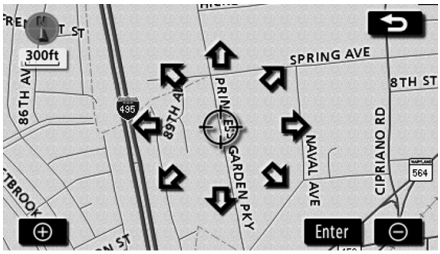
1. Touch “Input City Center”.



2. Input the city center name.



3. Touch the touch screen button of the desired city center name.



When an arrow facing the desired point is touched, the map scrolls in that direction. Releasing the finger from the arrow will stop the scrolling.

4. Touch “Enter”.

The search point is set and the “POI Category” screen will be displayed.

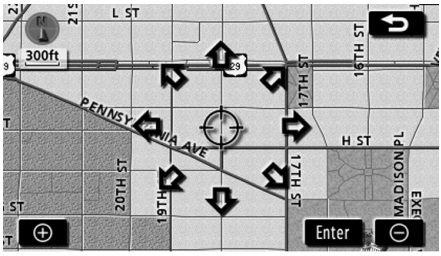
SETTING THE CURRENT POSITION AS THE SEARCH POINT

Touch “Current Position”.

The search point is set at the current position, and the “POI Category” screen will be displayed.

SETTING THE SEARCH POINT VIA THE MAP SCREEN

1. Touch “Map”.



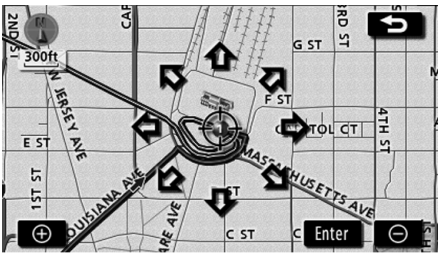
When an arrow facing the desired point is touched, the map scrolls in that direction. Releasing the finger from the arrow will stop the scrolling.

2. Touch “Enter”.

The search point is set and the “POI Category” screen will be displayed.

SETTING THE SEARCH POINT FROM DESTINATIONS

1. Touch the destination buttons, numbered 1 through 5, at the bottom of the screen. (This function is only available when you already have at least one destination set.)



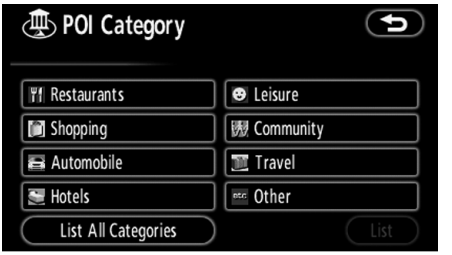
When an arrow facing the desired point is touched, the map scrolls in that direction. Releasing the finger from the arrow will stop the scrolling.

2. Touch "Enter".

The search point is set and the "POI Category" screen will be displayed.

- **To search POIs near the search point**

When the search point is set, the "POI Category" screen will be displayed.

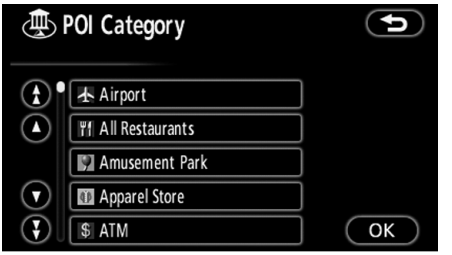


Select the desired POI categories.

"List": If the desired POI categories have already been selected, a list of POI will be displayed from among the selected categories.

The selected category icon appears on the top left of the screen.

If the desired POI category is not on the screen, touch **"List All Categories"** to list all POI categories.



Select the desired POI categories from the list and touch "OK".

The selected category icon appears on the top left of the screen.



“Select Category”: To return to the POI category selection screen.

“Show List”: To display the list of POIs in the selected categories.



By touching the touch screen button of the desired item, the screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 61.)

The direction arrows of POIs are displayed only when the current position is set as the search point.

“On Route”: When the indicator is illuminated by touching this touch screen button, the list of the items searched along the route is displayed.

— Destination search by “Emergency”

1. Push the “DEST” button.

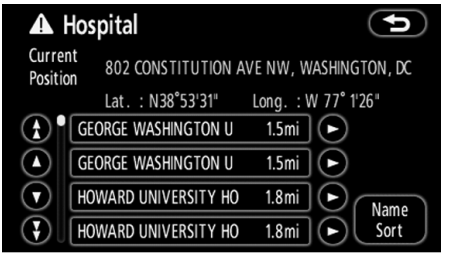
2. Touch “Emergency” on the “Destination” screen.

The display changes to a screen to select police stations, dealers, hospitals or fire stations. While driving, only nearby police stations, dealers, hospitals, or fire stations are shown. The current position is shown with an address, and the latitude and the longitude at the top of the screen.



3. Touch the desired emergency category.

The selected emergency category list is displayed.



4. Touch the touch screen button of the desired destination.

The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 61.)

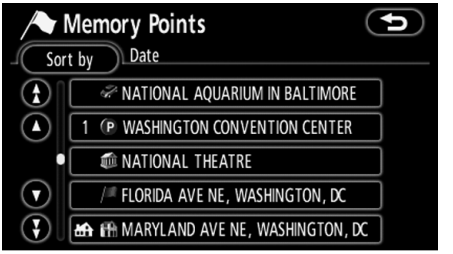
INFORMATION
The navigation system does not guide in areas where route guidance is unavailable. (See page 271.)

— Destination search by “Memory”

1. Push the “DEST” button.

2. Touch “Memory” on the “Destination” screen.

To displays your list of registered memory points. (To register or edit memory points, see “My Places” on page 96.)



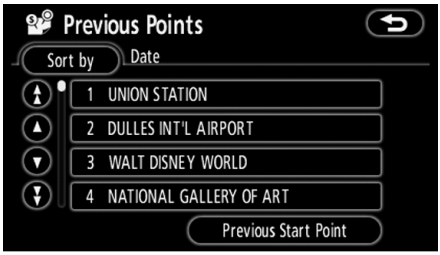
3. Touch the touch screen button of the desired memory point.

The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 61.)

— Destination search by "Previous"

1. Push the "DEST" button.

2. Touch "Previous" on the "Destination" screen.



The previous starting point and up to 100 previously set destinations are displayed on the screen.

3. Touch the touch screen button of the desired destination.

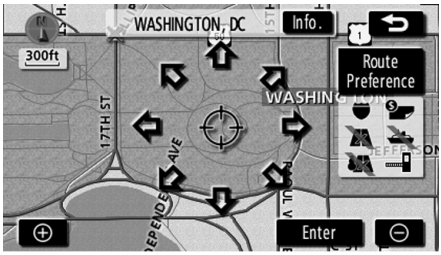
The screen changes and displays the map location of the selected destination and the route preference. (See "Starting route guidance" on page 61.)

INFORMATION
The list of previous destinations can be deleted. (See " — Deleting previous points" on page 108.)

— Destination search by "Map"

1. Push the "DEST" button.

2. Touch "Map" on the second page of the "Destination" screen.



The screen changes and displays the map location that was previously displayed just before the destination input operation and the route preference. (See "Starting route guidance" on page 61.)

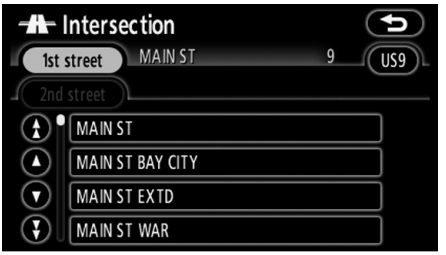
— Destination search by “Intersection”

1. Push the “DEST” button.

2. Touch “Intersection” on the second page of the “Destination” screen.

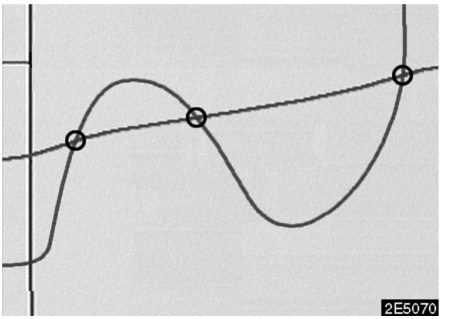


3. Input the name of the two intersecting streets which are located near the destination to be set.



4. Touch the touch screen button of the desired item.

After inputting the two intersecting streets, the screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 61.)



If the same two streets cross at more than one intersection, the screen changes and displays the menu to select the city name where the streets intersect. Select the city, and the map location of the selected destination and the route preference. (See “Starting route guidance” on page 61.)

— Destination search by "Freeway Ent./Exit"

1. Push the "DEST" button.

2. Touch "Freeway Ent./Exit" on the second page of the "Destination" screen.



Be sure to use the complete name of the freeway or highway, including the hyphen, when entering the destination. Freeways and interstates use an "I" (i.e., I−405). US Highways use the state designation before the number (i.e., CA−118).



3. Select the desired freeway by touching the touch screen button.



4. Either a freeway "Entrance" or "Exit" can be selected.



5. Touch the touch screen button of the desired entrance or exit name.

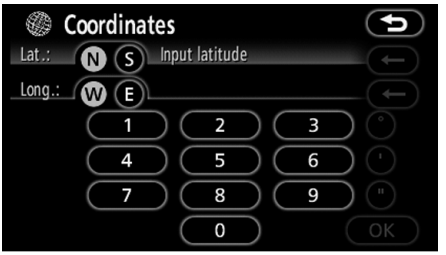
The screen changes and displays the map location of the selected destination and the route preference. (See "Starting route guidance" on page 61.)

"Input Name": An applicable list is displayed by touching this touch screen button and inputting the name.

— Destination search by “Coordinates”

1. Push the “DEST” button.

2. Touch “Coordinates” on the second page of the “Destination” screen.



3. Input the latitude and the longitude.

4. When the input is finished, touch “OK”.

By touching the touch screen button of the desired point, the screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 61.)

— Destination search by “Phone #”

1. Push the “DEST” button.

2. Touch “Phone #” on the second page of the “Destination” screen.



3. Input a telephone number.

4. After inputting a telephone number, touch “OK”.

The screen changes and displays the map location of the selected destination and the route preference. (See “Starting route guidance” on page 61.)

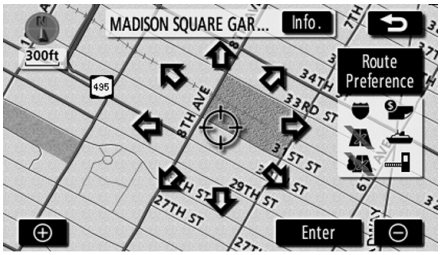
If there is more than one site having the same number, the following screen will be displayed.



INFORMATION
To set a memory point as a destination using the phone number, the number must be registered previously. (See page 102.)

Starting route guidance

After inputting the destination, the screen changes and displays the map location of the selected destination and the route preference.



1. When an arrow facing the desired point is touched, the map scrolls in that direction.

Releasing the finger from the arrow will stop the scrolling.

2. Touch "Enter".

The system starts route search and displays recommended routes.

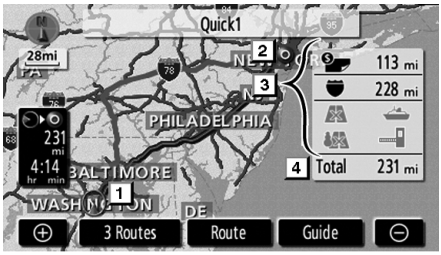
If there is already a set destination, **"Add to ⊙"** and **"Replace ⊙"** are displayed.

"Add to ⊙": To add a destination.

"Replace ⊙": To delete the existing destinations and set a new one.

"Route Preference": To change the route preference. (See page 62.)

"Info.": If this touch screen button is displayed on the top of the screen, touch it to view items such as name, address, and phone number.



1 **Current position**

2 **Destination point**

3 **Type of the route and the distance**

4 **Distance of the entire route**

3. To start guidance, touch "Guide".

"3 Routes": To select the desired route from three possible routes. (See page 63.)

"Route": To change the route. (See pages 72 and 75.)

INFORMATION

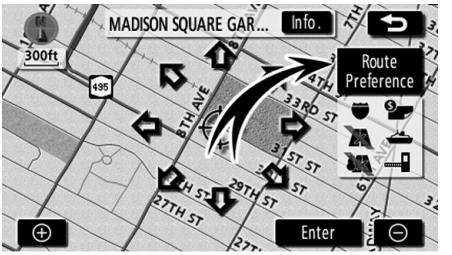
- ***Guidance can be suspended or resumed. (See "Suspending and resuming guidance" on page 86.)***
- ***If "Guide" is touched until a beep sounds, demo mode will start. Push the "MAP" button to finish demo mode.***
- ***The route for returning may not be the same as that for going.***
- ***The route guidance to the destination may not be the shortest route nor a route without traffic congestion.***
- ***Route guidance may not be available if there is no road data for the specified location.***
- ***When setting the destination on a map with a scale larger than 0.5 miles (800 m), the map scale changes to 0.5 miles (800 m) automatically. Set the destination again.***
- ***If a destination is entered, the road nearest to the point you selected is set as the destination.***

⚠CAUTION

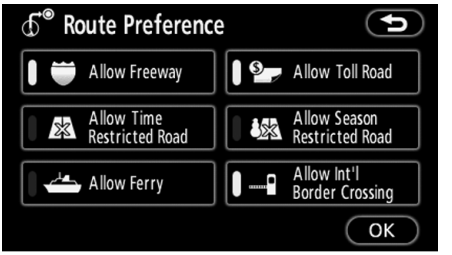
Be sure to obey traffic regulations and keep road conditions in mind while driving. If a traffic sign on the road has been changed, the route guidance may provide wrong information.

- **To change the route before starting guidance**

ROUTE PREFERENCE



1. You can change route preference by touching "Route Preference".



2. Select the desired route preference by touching the touch screen button.

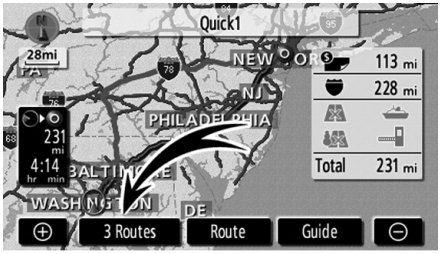
When searching for a route, the system will avoid routes when the indicator is off.

3. After choosing the desired route preference, touch "OK".

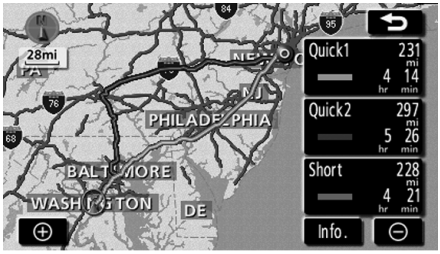
INFORMATION

- ***Even if the "Allow Freeway" indicator is dimmed, the route cannot avoid including a freeway in some cases.***
- ***If the calculated route includes a trip by ferry, the route guidance shows a sea route. After you travel by ferry, the current vehicle position may be incorrect. Upon reception of GPS signals, it is automatically corrected.***

3 ROUTES SELECTION



1. To select the desired route from three routes, touch “3 Routes”.



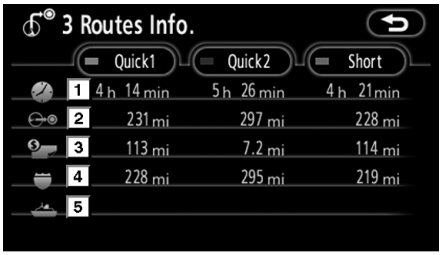
2. Touch “Quick1”, “Quick2” or “Short” to select the desired route.

“Quick1”: Recommended route.
This route is indicated by an orange line.

“Quick2”: Alternative route.
This route is indicated by a purple line.

“Short”: A route by which you can reach the destination in the shortest distance.
This route is indicated by a green line.

“Info.”: To display the following information about each of the 3 routes.



1. **Time necessary for the entire trip**
2. **Distance of the entire trip**
3. **Toll road**
4. **Freeway**
5. **Ferry**

SECTION 3

ROUTE GUIDANCE

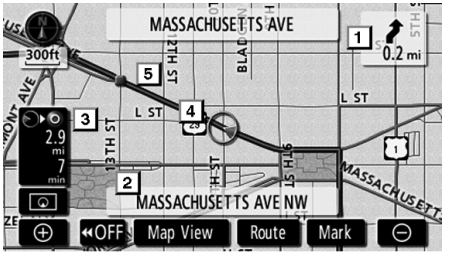
- Route guidance screen 66
- Typical voice guidance prompts 69
- Distance and time to destination 71
- **Setting and deleting destination** 72
  - Adding destinations 72
  - Reordering destinations 73
  - Deleting destinations 74
- **Setting route** 75
  - Search condition 75
  - Detour setting 76
  - Route preference 77
  - Starting route from adjacent road 78
- **Map view** 78
  - Display POI* icons 78
  - Route overview 81
  - Route preview 82
  - Route trace 83

*: Point of Interest

Route guidance screen

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

- **Screen layout**



1 **Distance to the next turn and the arrow indicating turning direction**

2 **Current street name**

3 **Distance and travel/arrival time to the destination**

4 **Current position**

5 **Guidance route**

INFORMATION

- ***If the vehicle goes off the guidance route, the route is searched again.***
- ***For some areas, the roads have not been completely digitized in our database. For this reason, the route guidance may select road that should not be traveled on.***
- ***When you arrive at your destination, the destination name will be displayed on the top of the screen. Touching "OFF" clears the display.***

- **During freeway driving**

During freeway driving, this screen displays the distance to the next junction and exit, or POIs in the vicinity of the freeway exit.



1 **Current position**

2 **Points of Interest that are close to a freeway exit**

3 **Exit number and junction name**

4 **Distance from the current position to the exit or junction**

5 **Current street name**

: To display the selected map of the exit vicinity.

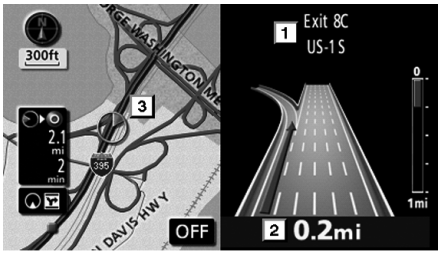
: To scroll for farther junctions or exits.

: To scroll for closer junctions or exits.

: To scroll for the closest three junctions or exits.

- **When approaching a freeway exit or junction**

When the vehicle approaches the exit or junction, the guidance screen on the freeway will be displayed.



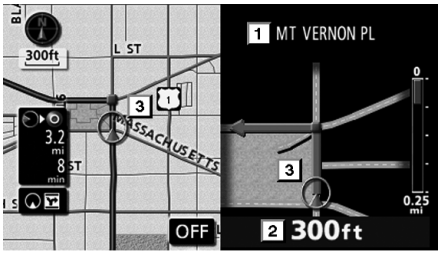
1. **Exit number and next street name**
2. **Distance from the current position to the exit or junction**
3. **Current position**

"OFF": Turns off freeway exit or junction guidance screen.

To view this screen again, push the **"MAP"** button or touch the screen configuration button ( ).

- **When approaching an intersection**

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



1. **Next street name**
2. **Distance to the intersection**
3. **Current position**

"OFF": Turns off intersection guidance screen.

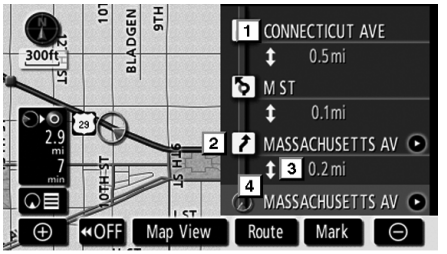
To view this screen again, push the **"MAP"** button or touch the screen configuration button ( ).

- **Other screens**

TURN LIST SCREEN

On this screen, the list of turns on the guidance route can be viewed.

Touching during guidance displays the turn list.



1. **Next street name or destination name**
2. **Turn direction**
3. **Distance to the next turn**
4. **Current street name**

ARROW SCREEN

On this screen, information about next turns on the guidance route can be viewed.

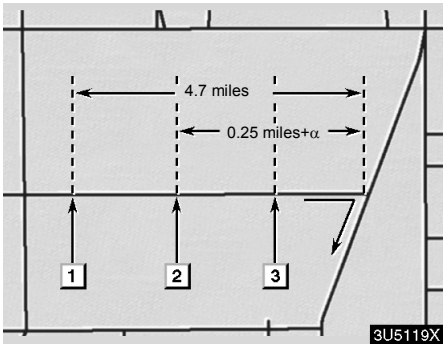
Touching during guidance displays the arrow screen.



1. **Exit number, street name containing number or next street name**
2. **Turn direction**
3. **Distance to the next turn**
4. **Current street name**

Typical voice guidance prompts

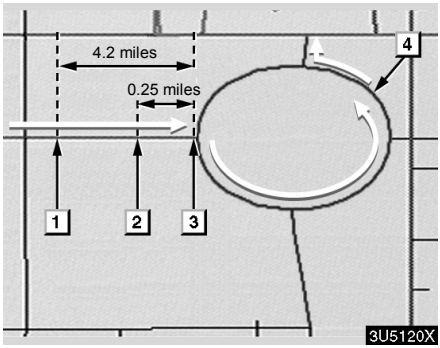
The voice guidance provides various messages as you approach an intersection, or other point where you need to maneuver the vehicle.



1 ♪ "Proceed about 5 miles on the current road."

2 ♪ "In a quarter of a mile right turn."

3 ♪ "Next right."



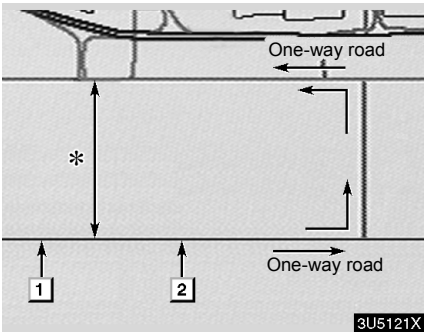
1 ♪ "Proceed about 4 miles to the traffic circle."

2 ♪ "In a quarter of a mile traffic circle ahead, then 3rd exit."

3 ♪ "The 3rd exit ahead."

4 ♪ "The exit ahead."

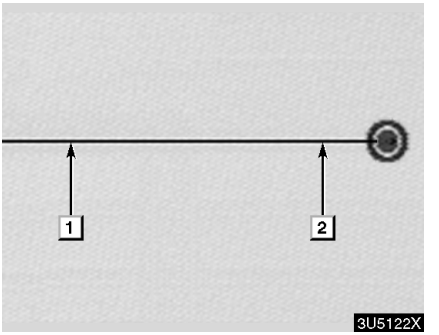
INFORMATION
On freeways, interstates or other highways with higher speed limits, the voice guidance will be made at earlier points than on city streets in order to allow time to maneuver.



*: The system indicates a U-turn if the distance between two one-way roads (of opposite directions) is less than 50 feet (15 m) in residential areas or 164 feet (50 m) in non-residential areas.

1 ♪ "In a quarter of a mile make a legal U-turn."

2 ♪ "Make a legal U-turn ahead."



The system announces the approach to the final destination.

1 ♪ "In a quarter of a mile your destination is ahead."

2 ♪ "Your destination is ahead, your route guidance is now finished."

INFORMATION

- ***If the system cannot determine the current vehicle position correctly (in cases of poor GPS signal reception), the voice guidance may be made early or delayed.***
- ***If you did not hear the voice guidance command, push the "MAP" button to hear it again.***
- ***To adjust the voice guidance volume, see "Volume" on page 87.***

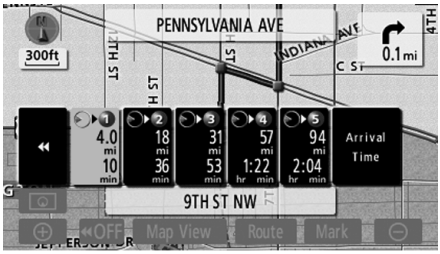
Distance and time to destination



When the vehicle is on the guidance route, the distance and the estimated travel/arrival time to the destination are displayed. When the vehicle is not on the guidance route, the distance and the direction of the destination are displayed.

When driving on the guidance route and more than one destination is set, the distance and the estimated travel/arrival time from the current position to each destination are displayed.

1. Touch this touch screen button to display the following screen.



2. Touch the number button to display the desired destination.

The distance, the estimated travel time and the estimated arrival time from the current position to the selected destination are displayed.



Estimated travel time is displayed.



Estimated arrival time is displayed.



To switch to estimated arrival time.



To switch to estimated travel time.



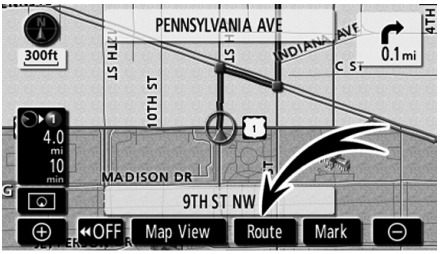
Displayed while driving off the guidance route. The destination direction is indicated by an arrow.

INFORMATION

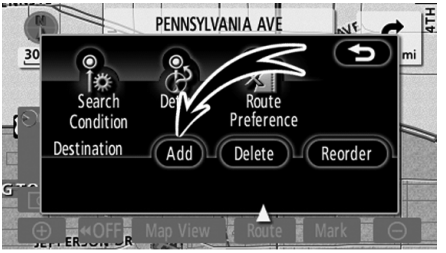
When the vehicle is on the guidance route, the distance measured along the route is displayed. Travel time and arrival time is calculated based on the set vehicle speed information. (See page 110.) However, when the vehicle is not on the guidance route, the distance is the linear distance between the current position and the destination.

Setting and deleting destination — — Adding destinations

Adding destinations and searching again for the routes can be done.



1. Touch “Route”.



2. Touch “Add” of “Destination”.

3. Input an additional destination in the same way as the destination input. (See “Destination search” on page 42.)



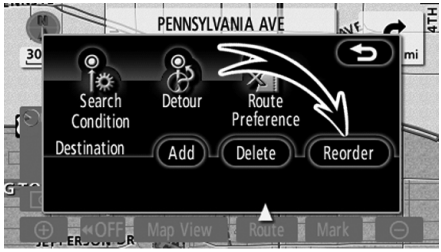
4. Touch the desired “Add” to determine the arrival order of the additional destination.

— Reordering destinations

When more than one destination is set, you can change the arrival order of the destinations.



1. Touch “Route”.



2. Touch “Reorder” of “Destination”.



3. Select the destination in the order of arrival by touching the destination button.

Reordered number of arrival is displayed on the right side of the screen.

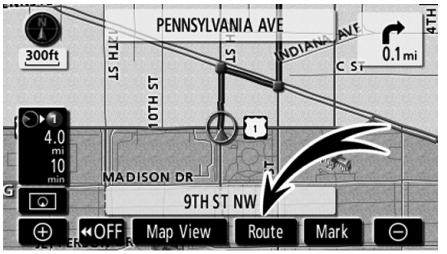
Touching **“Undo”** will cancel each selected order number from the previously input number.

4. After selecting the destinations, touch “OK”.

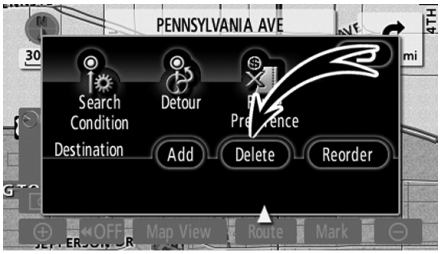
The system searches for the guidance route again, and displays the entire route. Even if **“OK”** is not touched, the entire route is displayed automatically within a few seconds when the order is fixed.

— Deleting destinations

A set destination can be deleted.



1. Touch “Route”.



2. Touch “Delete” of “Destination”.

When more than one destination is set, a list will be displayed on the screen.



3. Touch the destination for deletion.

“Delete All”: To delete all destinations on the list.

A message appears to confirm the request to delete.

4. To delete the destination(s), touch “Yes”.

If **“Yes”** is touched, the data cannot be recovered.

If **“No”** is touched, the previous screen will return.

5. If more than one destination is set, touch “OK” after deleting the destinations.

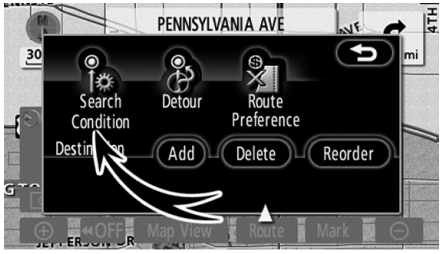
The system searches for the guidance route again, and displays the entire route.

Setting route — — Search condition

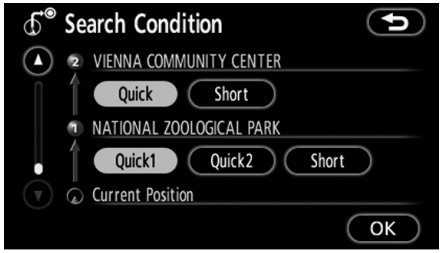
You can designate the road conditions of the route to the destination.



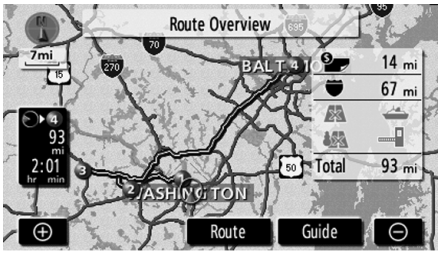
1. Touch “Route”.



2. Touch “Search Condition”.



3. Touch “Quick”, “Quick1”, “Quick2” or “Short” and touch “OK”.



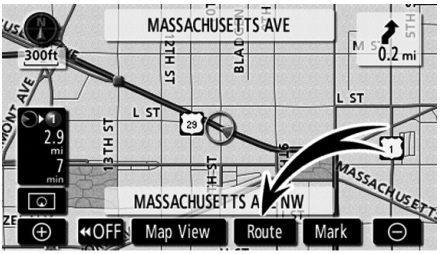
The entire route from the starting point to the destination is displayed.

“Guide”: To start guidance.

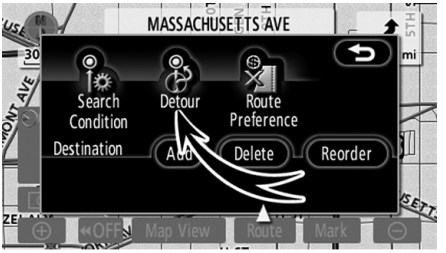
“Route”: To change a route. (See pages 72 and 75.)

— Detour setting

While the route guidance is operating, you can change the route to detour around a section of the route where a delay is caused by road repairs, or an accident, etc.



1. Touch “Route”.



2. Touch “Detour”.

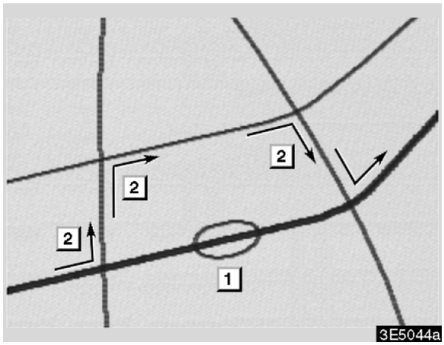


3. Select the touch screen button below to select the desired detour distance.

“1 mile (km)”, “3 miles (km)” or “5 miles (km)”: Touch one of these touch screen buttons to start the detour process. After detouring, the system returns to the original guidance route.

“Whole Route”: By touching this touch screen button, the system will calculate an entire new route to the destination.

“Around Traffic”: If you touch this button, the system will search for the route based on the traffic congestion information received.



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

1 This position indicates the location of a traffic jam caused by road repairs or an accident.

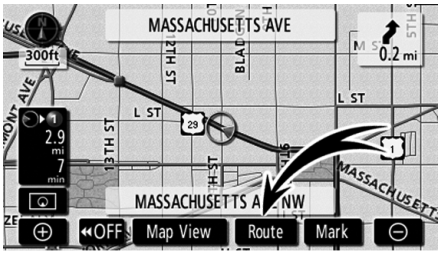
2 This route indicates the detour suggested by the system.

INFORMATION

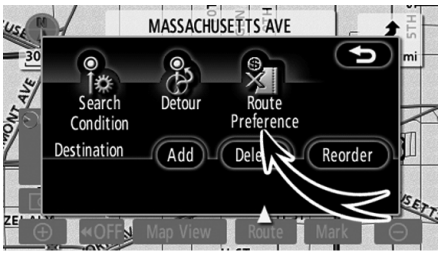
- ***When your vehicle is on a freeway, the detour distance selections are 5, 15, and 25 miles (km).***
- ***The system may not be able to calculate a detour route depending on the selected distance and surrounding road conditions.***

— Route preference

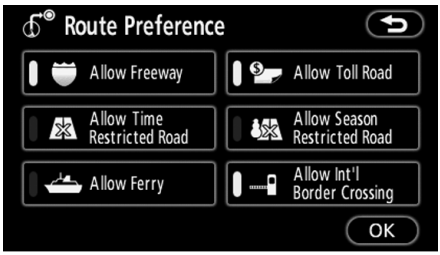
A number of choices are provided on the conditions which the system uses to determine the route to the destination.



1. Touch “Route”.



2. Touch “Route Preference” to change the conditions that determine the route to the destination.



3. Select the desired route preference by touching the touch screen button.

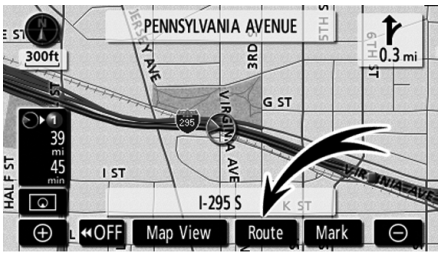
When searching for a route, the system will avoid routes when the indicator is off.

4. After choosing the desired route preference, touch “OK”.

— Starting route from adjacent road

You can start the route guidance from the adjacent road.

(ex. When route guidance is set on the freeway, but the vehicle is driven parallel along the freeway.)



1. Touch “Route”.

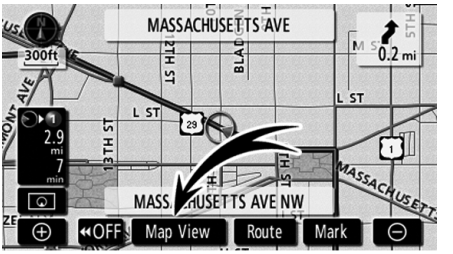


2. Touch “Start from Adjacent Road”.

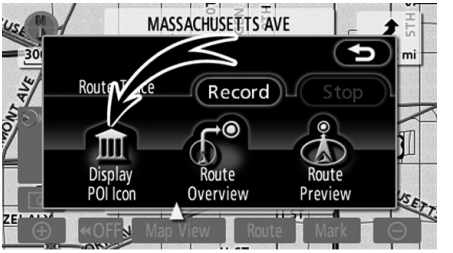
When there is no adjacent road, this button will not be displayed.

Map view — — Display POI icons

Points of Interest such as gas stations and restaurants can be displayed on the map screen. You can also set their location as a destination and use them for route guidance.



1. Touch “Map View”.



2. Touch “Display POI Icon” to display a particular type of Point of Interest on the screen.



A screen with a limited choice of Points of Interest will be displayed. (To change the displayed POI, see page 113.)

- **Selecting POIs to be displayed**

Up to 5 categories of icons can be displayed on the screen.



Touch the desired Point of Interest category to display POI location symbols on the map screen.

By selecting the desired POI category and then touching **"OK"**, the selected POI icons are displayed on the map screen.

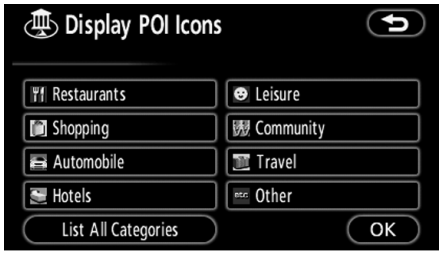
To turn off the Points of Interest icon on the map screen, touch **"Delete"**.

"Other POIs": If the desired Point of Interest can not be found on the limited choice screen, touch this button. The screen then displays the complete POI listing screen.

"Local POI List": When searching for the nearest Point of Interest, touch this touch screen button. The system will list the points within 20 miles (32 km). (See page 80.)

Touch "Other POIs" on the "Display POI Icons" screen.

When a Point of Interest category is selected from either the limited list or the complete list, the screen will display symbols of those locations on the map screen.

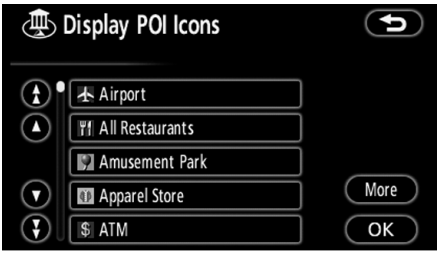


Select the desired POI categories.

The selected category icon appears on the top left of the screen.

By selecting the desired POI category and then touching **"OK"**, the selected POI icons are displayed on the map screen.

If the desired POI category is not on the screen, touch **"List All Categories"** to list all POI categories.



Select the desired POI categories from the list.

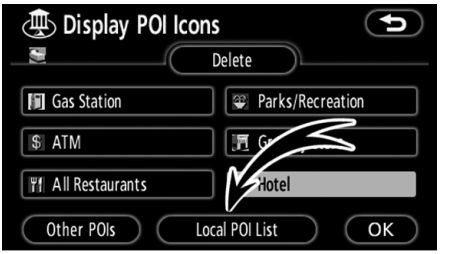
The selected category icon appears on the top left of the screen.

By selecting the desired POI category and then touching **"OK"**, the selected POI icons are displayed on the map screen.

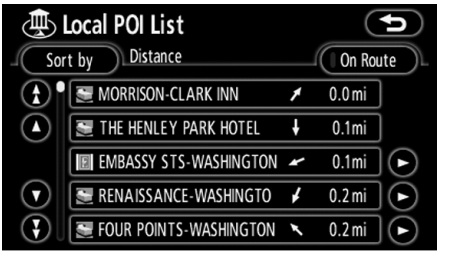
To return to the POI category selection screen, touch **"More"**.

- **To display the local POI list**

Points of Interest that are within 20 miles (32 km) of the current position will be listed from among the selected categories.



1. Touch "Local POI List" on the "Display POI Icons" screen.



2. Touch the touch screen button of the desired Point of Interest.

The selected Points of Interest are displayed on the map screen.

"On Route": When the indicator is illuminated by touching this touch screen button, the list of the items searched along the route is displayed.

- **To set a POI as a destination**

You can select one of the Points of Interest icons on the map screen as a destination and use it for route guidance.



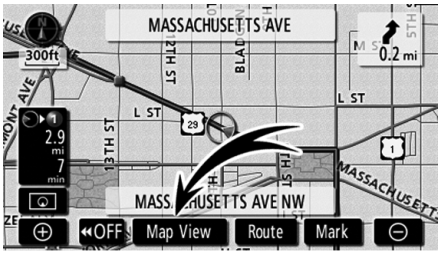
1. Directly touch the Point of Interest icon that you want to set as a destination.

The map will shift so that the icon is centered on the screen and overlaps with the cursor ⌖. At this time, the distance from the current position is displayed on the screen. The distance shown is measured as a straight line from the current vehicle position to the POI.

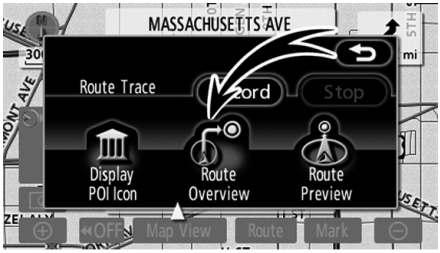
2. When the desired Point of Interest overlaps with the cursor, touch "Enter ⊙".

The screen changes and displays the map location of the selected destination and route preference. (See "Starting route guidance" on page 61.)

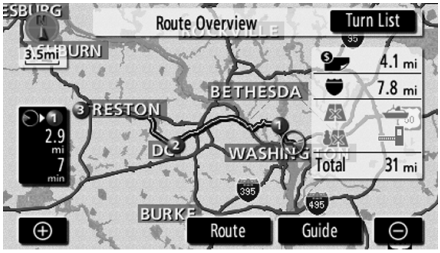
— Route overview



1. Touch "Map View".



2. Touch "Route Overview".



The entire route from the current position to the destination is displayed.

"Guide": To start guidance.

"Route": To change the route. (See pages 72 and 75.)

"Turn List": The following screen displays the list of the roads up to the destination.

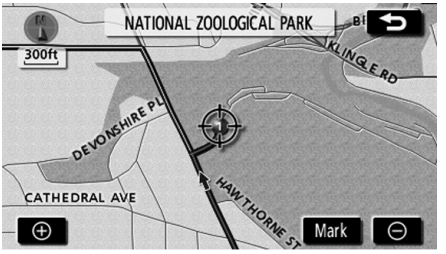


You can scroll through the list of roads by touching ▲ or ▼. However, not all road names in the route may appear on the list. If a road changes its name without requiring a turn (such as on a street that runs through two or more cities), the name change will not appear on the list. The street names will be displayed in order from the starting point, along with the distance to the next turn.

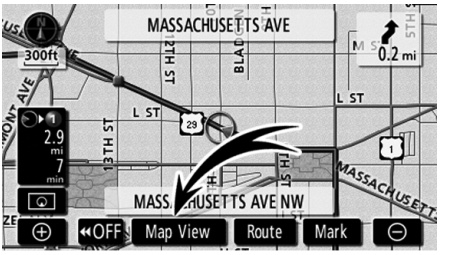
These marks indicate the direction in which you should turn at an intersection.

Touch "Map" of the "Turn List" screen.

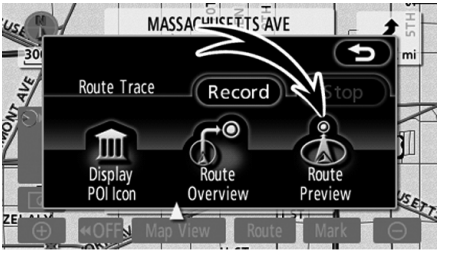
The point which you choose is displayed on the map screen.



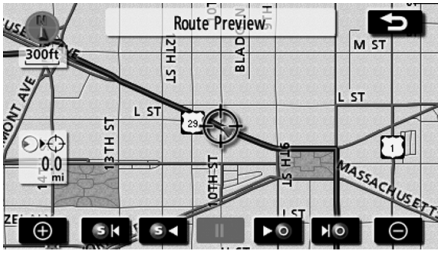
— Route preview



1. Touch "Map View".



2. Touch "Route Preview".



: To indicate the next destination.

: To preview the route to the next destination.

: To preview the route to the next destination in fast-forward mode.

: To pause preview.

: To review the route to the previous destination or starting point.

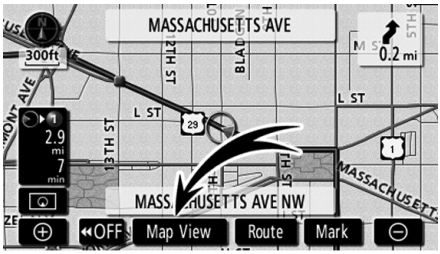
: To review the route to the previous destination or starting point in fast-forward mode.

: To indicate the previous destination or starting point.

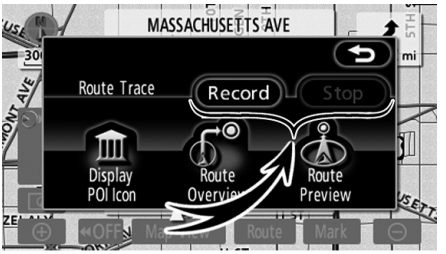
— Route trace

It is possible to store the traveled route up to 124 miles (200 km) and retrace the route on the display.

INFORMATION
This feature is available on the map with more detailed map scale than 30 miles (50 km).



Touch “Map View”.



"Record": To start recording the route trace.

"Stop": To stop recording the route trace.

If you touch **"Stop"**, the following screen will be displayed.



Touching **"Yes"** stops recording and the route trace remains displayed on the screen.

Touching **"No"** stops recording and the route trace is erased.

SECTION 4

ADVANCED FUNCTIONS

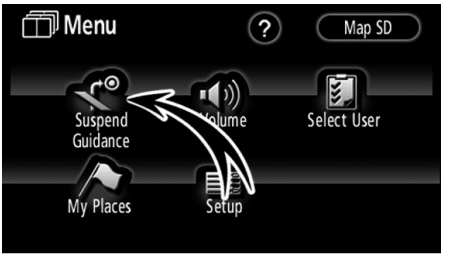
Descriptions of functions for more effective use

- Suspending and resuming guidance ····· 86
- Volume ····· 87
- User selection ····· 88
- XM® NavTraffic ····· 90
- **My Places** ····· 96
  - Registering memory points ····· 97
  - Editing memory points ····· 98
  - Deleting memory points ····· 102
  - Registering home ····· 103
  - Deleting home ····· 104
  - Registering area to avoid ····· 104
  - Editing area to avoid ····· 105
  - Deleting area to avoid ····· 108
  - Deleting previous points ····· 108
- Setup ····· 109

Suspending and resuming guidance

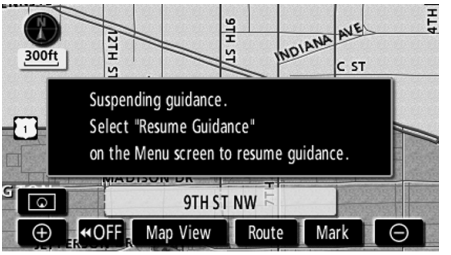
- **To suspend guidance**

1. Push the “NAVI” button.



2. Touch “Suspend Guidance”.

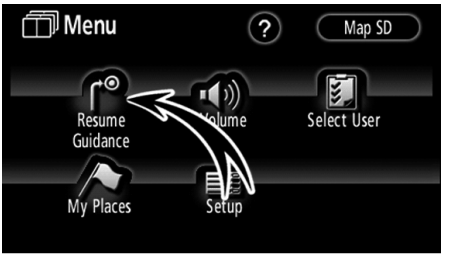
INFORMATION
Without route guidance, the “Suspend Guidance” cannot be used.



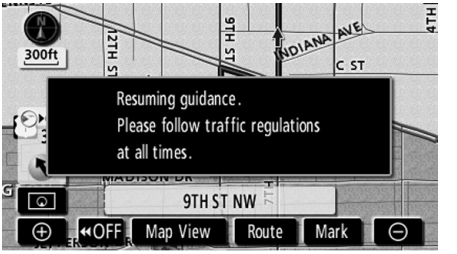
The screen will return to the current position map without route guidance.

- **To resume guidance**

1. Push the “NAVI” button.



2. Touch “Resume Guidance”.

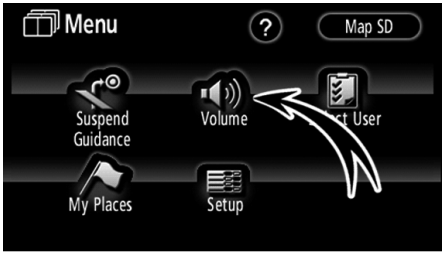


The screen will change to the current position map with route guidance.

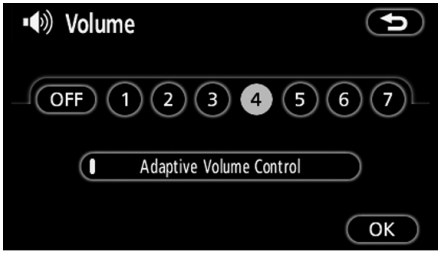
Volume

The voice guidance volume can be adjusted or switched off.

1. Push the "NAVI" button.



2. Touch "Volume".



To adjust the volume, select the desired level by touching the appropriate number.

If voice guidance is not needed, touch **"OFF"** to disable the feature.

When selected the number or **"OFF"** will be highlighted.

3. Touch "OK" to confirm your selection.

INFORMATION

During route guidance, the voice guidance continues even if the navigation screen is changed to other screens.

"Adaptive Volume Control": By turning "Adaptive Volume Control" on, the volume is turned up automatically when the vehicle speed exceeds 50 mph (80 km/h).

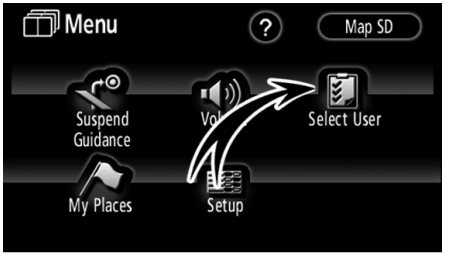
To turn the "Adaptive Volume Control" system on, touch the button. The indicator will be highlighted.

User selection

The system can memorize the following settings for up to three users.

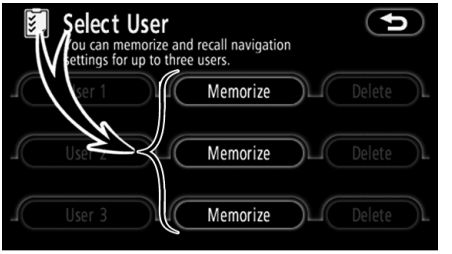
- Map direction
- Map scale
- Map configuration
- Guidance mode
- Setup
- Volume
- Language
- Route trace
- Travel time/arrival time
- Right screen of dual map
- Route preference
- Maintenance notification
- XM® NavTraffic

1. Push the "NAVI" button.



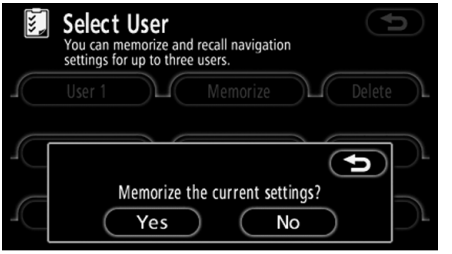
2. Touch "Select User".

- **To register**



1. Touch "Memorize".

The confirmation screen will be displayed.



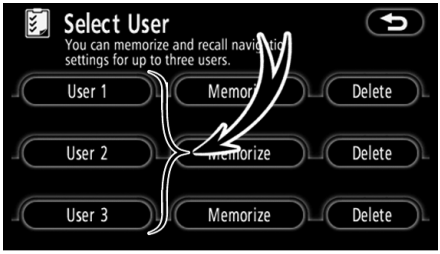
2. To register, touch "Yes". To return to the previous screen, touch "No" or .

When a touch screen button that is already registered is touched, the following screen appears.



To replace, touch **"Yes"**. To cancel the replacement, touch **"No"** or .

- **To change user**

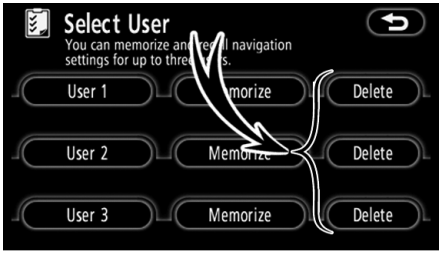


Touch "User number".



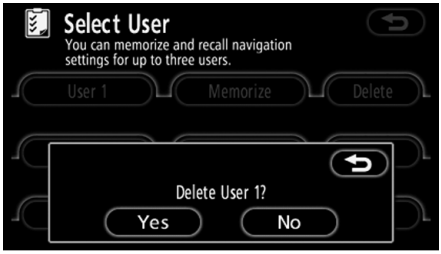
The above message appears, then the map screen will be displayed.

- **To delete user**



1. Touch "Delete".

The confirmation screen will be displayed.



2. To delete, touch "Yes". To return to the previous screen, touch "No" or .

XM® NavTraffic

The XM® NavTraffic service allows the navigation system to display traffic information on the map if it is available and if your satellite radio tuner can receive traffic information.

To receive the XM® NavTraffic service, a subscription to the XM® Satellite Radio with NavTraffic is necessary.

The XM® NavTraffic is available in the contiguous 48 U.S. states and some Canadian cities. For details about the XM® NavTraffic service coverage area, refer to www.xmradio.com (U.S.A.) or www.xmradio.ca (CANADA).

- How to activate the XM® NavTraffic service

  To receive the XM® NavTraffic service, it is necessary to activate the service. To activate the service, an extra fee is required in addition to subscription fees for the XM® Satellite Radio. For details about service and activation, call XM® Listener Care Center at 1-800-967-2346 (U.S.A.) or 1-877-438-9677 (CANADA).

Customers should have their radio ID ready; the radio ID can be found by selecting “channel 000” on the radio. For details, see “● Displaying the radio ID” on page 196.

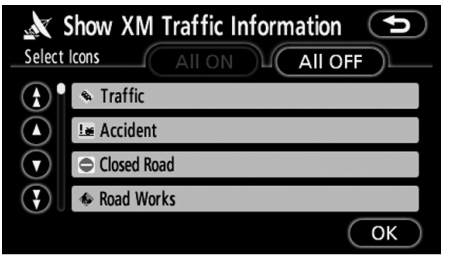
XM® Satellite Radio has the responsibility for all fees and service, they are subject to change.

(a) Show XM® NavTraffic information

1. Push the “NAVI” button to display the “Menu” screen and touch the “XM Traffic”.

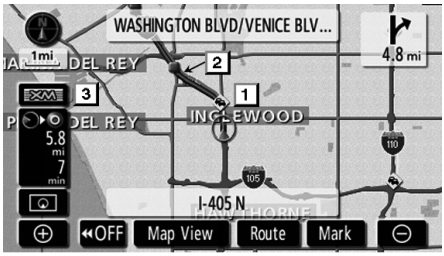


2. Touch “Show Traffic Events”.



3. Select the desired item by touching the touch screen button (while the vehicle is not moving).

To select all the icons or reset, touch “All ON” or “All OFF” and then touch “OK”.



► **On map screen**



► **On Freeway information screen**

1 XM® NavTraffic icon

When any traffic information has been received, the XM® NavTraffic icon will appear on the map screen. (See page 93.)

2 XM® NavTraffic flow information

A color coded bar appears on the map to represent traffic flow when XM® NavTraffic information is available. The color of the bar changes according to traffic conditions.

"Red": Heavy congestion

"Yellow": Moderate traffic

"Green": Freely flowing traffic

"Orange": Controlled traffic

"Black": Closed road

3 XM® NavTraffic indicator

When any XM® NavTraffic information has been received, the XM® NavTraffic indicator will appear on the screen. The color of the indicator changes depending on the traffic information received.

"White": Traffic information has been received.

"Blue": Other traffic information on the guidance route has been received (touch switch*).

"Yellow": Traffic restriction information on the guidance route has been received (touch switch*).

"Red": Congestion information on the guidance route has been received (touch switch*).

*: Touching the XM® NavTraffic indicator will start voice guidance.

(b) Auto avoid traffic

Using XM® NavTraffic information, the system automatically calculates a new route.



When the system calculates a new route, a confirmation to accept the new route is displayed on the screen.

If you touch **"Yes"**, the system changes the guidance route to the new route. Touch **"No"** to keep the current route.

1. Push the "NAVI" button to display the "Menu" screen and touch "XM Traffic".



2. Touch "Auto Avoid Traffic".

INFORMATION

- ***Due to the dynamic nature of traffic events, traffic information from the XM® NavTraffic may not match actual traffic conditions. Also, favorable routes that detour around the traffic congestion may not be available. In such cases, this navigation system cannot avoid the traffic congestion, and/or the new route may not be the most desirable.***
- ***When the "Traffic Information" indicator is dimmed, "Auto Avoid Traffic" and "Voice Guidance" will not operate.***

(c) Traffic voice guidance

When there are some traffic events on the guidance route, the system will notify you via voice.

1. Push the "NAVI" button to display the "Menu" screen and touch "XM Traffic".

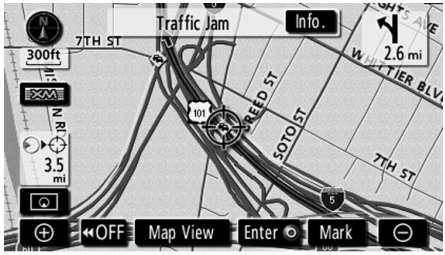


2. Touch "Voice Guidance".

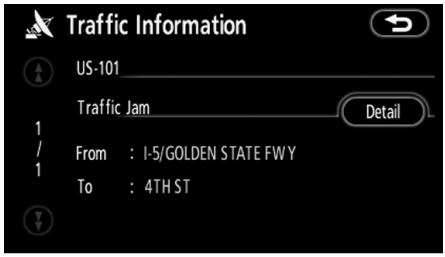
INFORMATION
When the "Traffic Information" indicator is dimmed, "Auto Avoid Traffic" and "Voice Guidance" will not operate.

(d) XM® NavTraffic text information

When you touch the XM® NavTraffic icon on the map, the "Traffic info." bar appears on the top of the screen.



1. Touch "Info." on the bar to display the"Traffic information" screen.



2. Touch "Detail" to display detailed traffic event information.

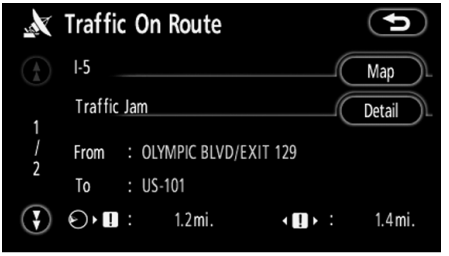
This **"Detail"** function is not available while driving.

(e) Traffic on route

1. Push the "NAVI" button to display the "Menu" screen and touch "XM Traffic".



2. Touch "Traffic On Route" to display the "Traffic On Route" screen.

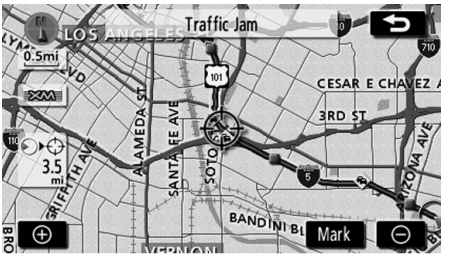


Guidance route traffic information is displayed on the screen.

To show the map or detailed information, touch **"Map"** or **"Detail"**.

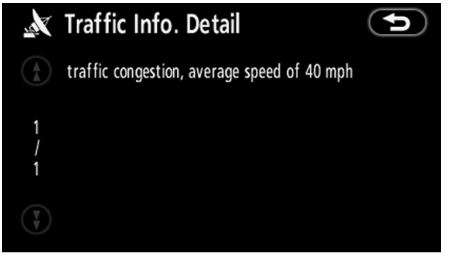
This **"Detail"** function is not available while driving.

MAP



The map around the traffic event is displayed. The type of traffic event is displayed at the top of the screen.

DETAILED INFORMATION



Detailed traffic event information is displayed.

This **"Detail"** function is not available while driving.

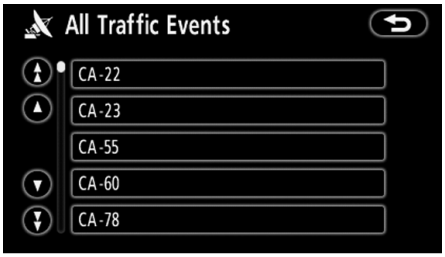
(f) All traffic events

1. Push the "NAVI" button to display the "Menu" screen and touch "XM Traffic".



2. Touch "All Traffic Events" to display the "All Traffic Events" screen.

This **"All Traffic Events"** function is not available while driving.



3. Touch the desired road name from the list.

4. All XM® NavTraffic information is displayed, regardless of the guidance route.



5. Touch "Map" or "Detail". (See page 94.)

This **"Detail"** function is not available while driving.

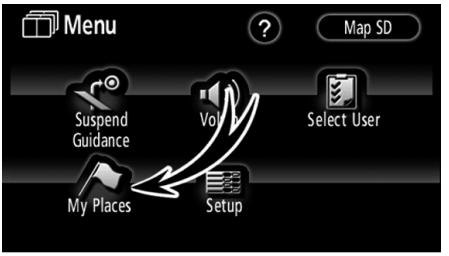
My Places —

Points or areas on the map can be registered.

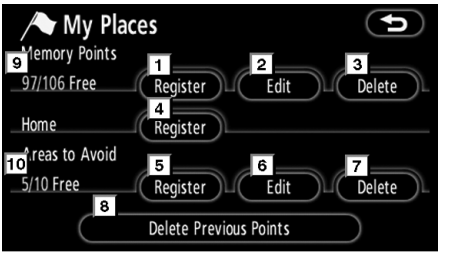
The registered points can be used on the “Destination” screen. (See “ — Destination search by Home” on page 44 or “ — Destination search by Quick access” on page 45 and “ — Destination search by Memory” on page 56.)

Registered areas are avoided at the time of route search.

1. Push the “NAVI” button.



2. Touch “My Places”.



On this screen, the following operations can be performed.

1 **Registers memory points**
(See “ — Registering memory points” on page 97.)

2 **Edits memory points**
(See “ — Editing memory points” on page 98.)

3 **Deletes memory points**
(See “ — Deleting memory points” on page 102.)

4 **Registers or deletes home**
(See “ — Registering home” on page 103 or “ — Deleting home” on page 104.)

5 **Registers areas to avoid**
(See “ — Registering area to avoid” on page 104.)

6 **Edits areas to avoid**
(See “ — Editing area to avoid” on page 105.)

7 **Deletes areas to avoid**
(See “ — Deleting area to avoid” on page 108.)

8 **Deletes previous points**
(See “ — Deleting previous points” on page 108.)

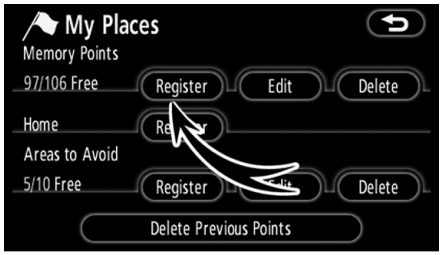
9 **Number of remaining memory points**

10 **Number of remaining areas to avoid**

— Registering memory points

1. Push the “NAVI” button.

2. Touch “My Places” on the “Menu” screen.



3. Touch “Register”.



4. Enter the location in the same way as for a destination search. (See “Destination search” on page 42.)

After memory point registration is completed, the “Memory Point” screen will be displayed.



5. Touch “OK”.

To edit registered information, see “ — Editing memory points” on page 98.

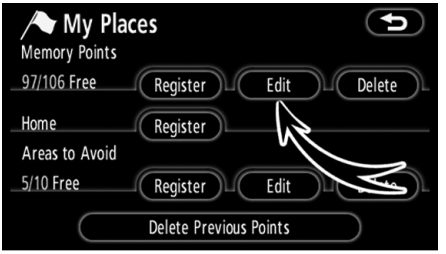
INFORMATION
Up to 106 memory points can be registered.

— Editing memory points

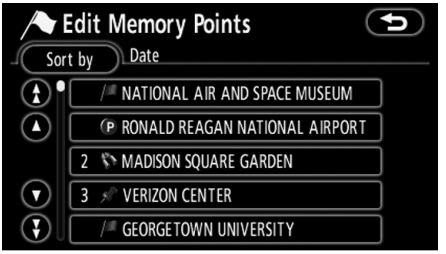
The icon, attribute, name, location and/or telephone number of a registered memory point can be edited.

1. Push the "NAVI" button.

2. Touch "My Places" on the "Menu" screen.



3. Touch "Edit".



4. Touch the desired memory point button.



5. Touch the touch screen button to be edited.

"Icon": To select icons to be displayed on the map. (See page 99.)

"Quick Access": To set an attribute. Memory points with a set attribute can be used as a "Quick Access" or "Home" touch screen button. (See page 100.)

"Name": To edit memory point names. The names can be displayed on the map. (See page 101.)

"Location": To edit location information. (See page 101.)

"Phone #": To edit telephone numbers. (See page 102.)

6. Touch "OK".

- **To change “Icon”**

1. Touch “Icon” on the “Memory Point” screen.



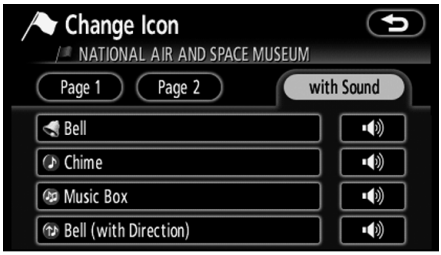
2. Touch the desired icon.

Turn the page by touching **“Page 1”**, **“Page 2”** or **“with Sound”**.

SOUND ICONS

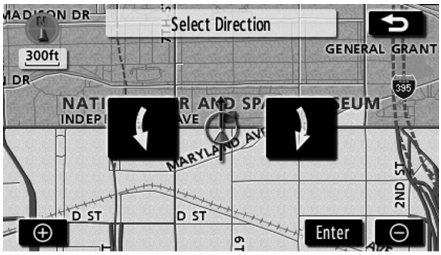
When the vehicle approaches the memory point, the selected sound will be heard.

1. Touch “with Sound” on the “Change Icon” screen.



2. Touch the desired sound icon.

The next screen appears when **“Bell (with Direction)”** is touched.



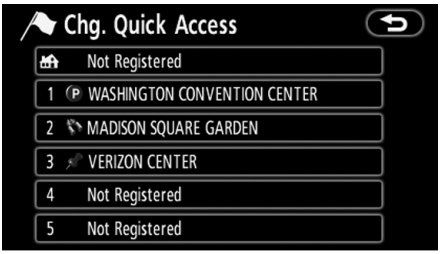
Touch either ◀ or ▶ to adjust the direction. Touch “Enter”.

The bell sounds only when the vehicle approaches this point in the direction that has been set.

- **To change "Quick Access"**

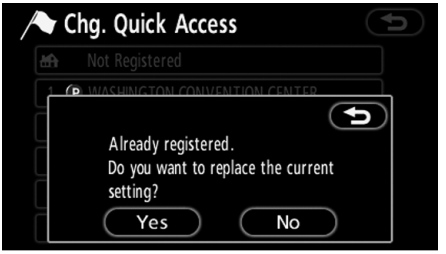
It is possible to change attributes of the quick access points. Memory points with a set attribute can be used as a "Quick Access" or "Home" touch screen button. (See " — Destination search by Home" on page 44 and " — Destination search by Quick access" on page 45.)

1. Touch "Quick Access" on the "Memory Point" screen.



2. Touch the desired attribute.

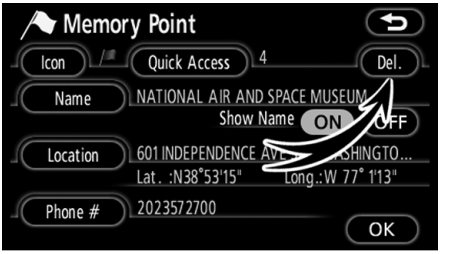
It is possible to replace a registered attribute.



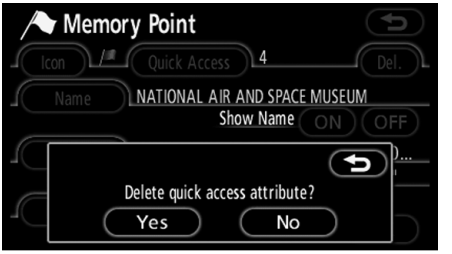
3. To replace the attribute, touch "Yes". To return to the previous screen, touch "No" or .

INFORMATION
One "Home" and five "Quick Access" can be set.

DELETING "Quick Access"



1. Touch "Del.".



2. To delete an attribute, touch "Yes". To return to the previous screen, touch "No" or .

- **To change "Name"**

1. Touch "Name" on the "Memory Point" screen.



2. Enter the name using the alpha-numeric keys.

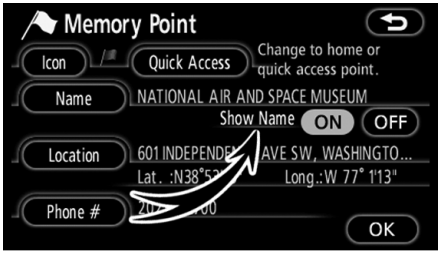
Up to 24 letters can be entered.

3. Touch "OK".

The previous screen will be displayed.

DISPLAYING MEMORY POINT NAMES

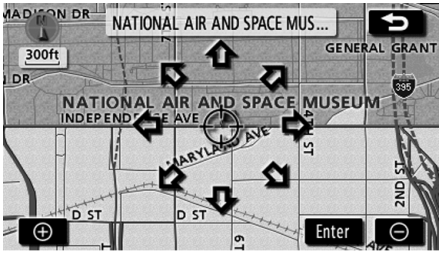
The name of a memory point that may be displayed on the map can be set.



To show the name, touch "ON" on the "Memory Point" screen. To not show it, touch "OFF".

- **To change "Location"**

1. Touch "Location" on the "Memory Point" screen.



2. Touch the eight directional touch screen button to move the cursor ⌖ to the desired point on the map.

3. Touch "Enter".

The previous screen will be displayed.

- **To change “Phone #” (telephone number)**

1. Touch “Phone #” on the “Memory Point” screen.



2. Enter the number using numeral keys.

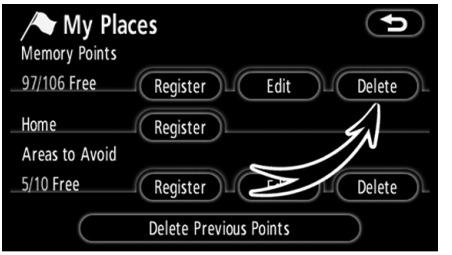
3. Touch “OK”.

The previous screen will be displayed.

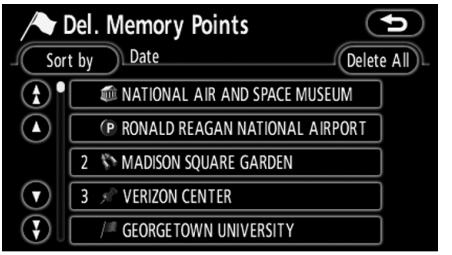
— Deleting memory points

1. Push the “NAVI” button.

2. Touch “My Places” on the “Menu” screen.



3. Touch “Delete”.



4. Touch the touch screen button to be deleted.

“Delete All”: To delete all memory points in the system.

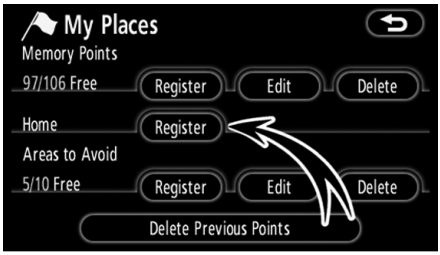
5. To delete the memory point, touch “Yes”. To cancel the deletion, touch “No”.

— Registering home

If home has been registered, that information can be recalled by using the "Home" touch screen button on the "Destination" screen. (See " — Destination search by Home" on page 44.)

1. Push the "NAVI" button.

2. Touch "My Places" on the "Menu" screen.



3. Touch "Register".



4. Enter the location in the same way as for a destination search. (See "Destination search" on page 42.)

When registration of home is completed, the "Memory Point" screen will be displayed.



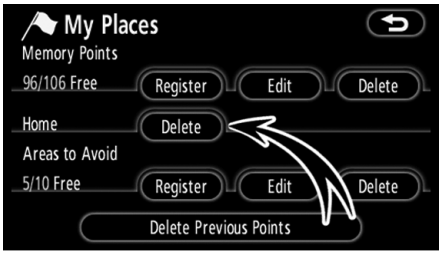
5. Touch "OK".

To edit registered information, see " — Editing memory points" on page 98.

— Deleting home

1. Push the “NAVI” button.

2. Touch “My Places” on the “Menu” screen.



3. Touch “Delete”.

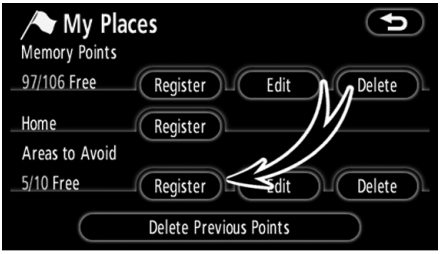
4. To delete home, touch “Yes”. To cancel the deletion, touch “No”.

— Registering area to avoid

Areas you want to avoid because of traffic jams, construction work or other reasons can be registered as areas to avoid.

1. Push the “NAVI” button.

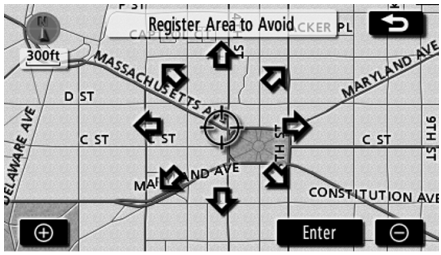
2. Touch “My Places” on the “Menu” screen.



3. Touch “Register”.



4. Enter the location in the same way as for a destination search, or display the map of the area to be avoided. (See “Destination search” on page 42.)



5. Touch the eight directional touch screen button to move the cursor ⌖ to the desired point on the map.

6. Touch "Enter".



7. Touch either ▲ or ▼ to change the size of the area to be avoided.

8. Touch "OK".

INFORMATION

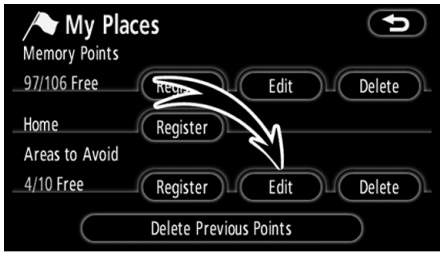
- ***If a destination is input in the area to avoid or the route calculation cannot be made without running through the area to avoid, a route passing through the area to be avoided may be shown.***
- ***Up to 10 locations can be registered as points/areas to avoid. If there are 10 locations already registered, the following message will be displayed: "Unable to register additional points. Please try again after deleting unnecessary points.".***

— Editing area to avoid

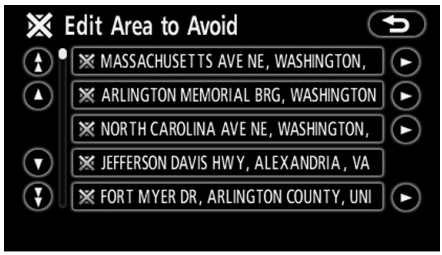
The name, location and/or area size of a registered area can be edited.

1. Push the "NAVI" button.

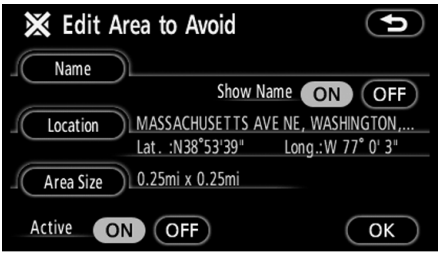
2. Touch "My Places" on the "Menu" screen.



3. Touch "Edit".



4. Touch the desired area button.



5. Touch the touch screen button to be edited.

"Name": To edit the name of the area to avoid. The names can be displayed on the map. (See page 106.)

"Location": To edit area location. (See page 107.)

"Area Size": To edit area size. (See page 107.)

"Active": To turn on or off the area to avoid feature. To turn on the feature touch **"ON"** on the "Edit Area to Avoid" screen. To turn off the feature touch **"OFF"** on the "Edit Area to Avoid" screen.

6. Touch "OK".

- **To change "Name"**

1. Touch "Name" on the "Edit Area to Avoid" screen.



2. Enter the name using alphanumeric keys.

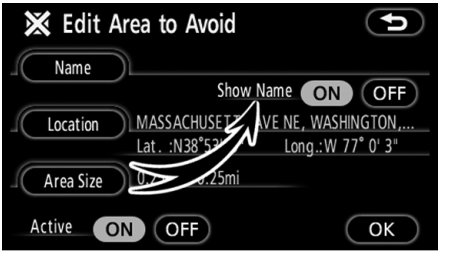
Up to 24 letters can be entered.

3. Touch "OK".

The previous screen will be displayed.

DISPLAYING NAMES OF AREAS TO BE AVOIDED

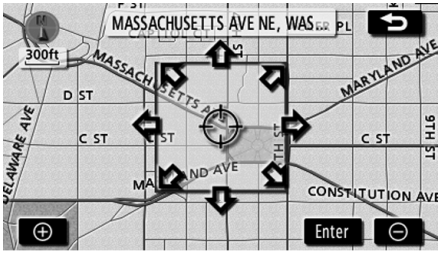
The name of an area to be avoided that may be displayed on the map can be set.



To show the name, touch "ON" on the "Edit Area to Avoid" screen. To not show it, touch "OFF".

- **To change “Location”**

1. Touch “Location” on the “Edit Area to Avoid” screen.



2. Touch the eight directional touch screen button to move the cursor ⌖ to the desired point on the map.

3. Touch “Enter”.

The previous screen will be displayed.

- **To change “Area Size”**

1. Touch “Area Size” on the “Edit Area to Avoid” screen.



2. Touch either ▲▲ or ▼▼ to change the size of the area to be avoided.

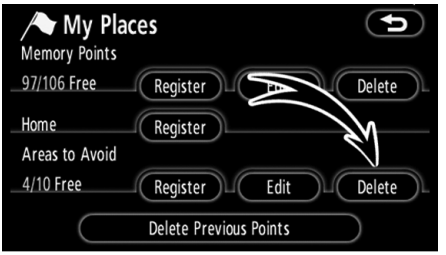
3. Touch “OK”.

The previous screen will be displayed.

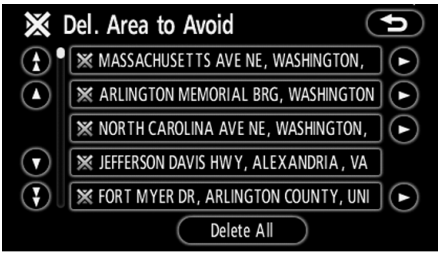
— Deleting area to avoid

1. Push the “NAVI” button.

2. Touch “My Places” on the “Menu” screen.



3. Touch “Delete”.



4. Touch the touch screen button to be deleted.

“Delete All”: To delete all registered areas to avoid in the system.

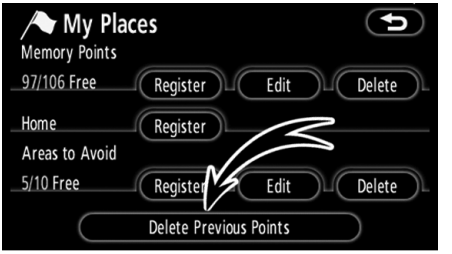
5. To delete the area, touch “Yes”. To cancel the deletion, touch “No”.

— Deleting previous points

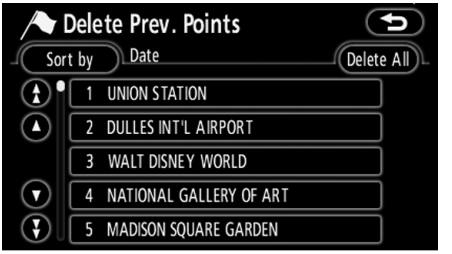
The previous destination can be deleted.

1. Push the “NAVI” button.

2. Touch “My Places” on the “Menu” screen.

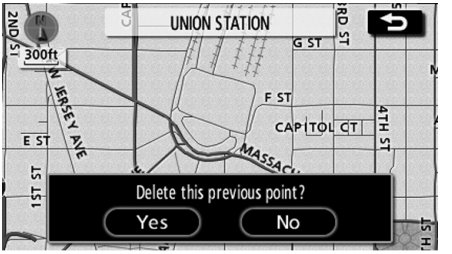


3. Touch “Delete Previous Points”.



4. Touch the touch screen button to be deleted.

“Delete All”: To delete all previous points in the system.

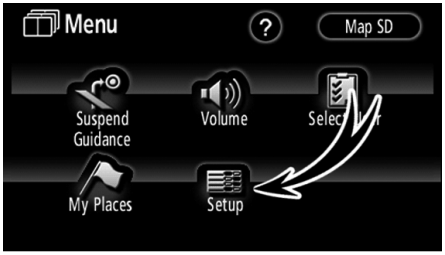


5. To delete the point, touch “Yes”. To cancel the deletion, touch “No”.

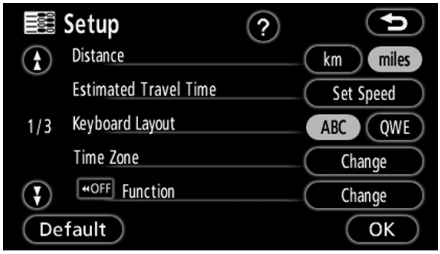
Setup

Setting the items shown on the "Setup" screen can be done.

1. Push the "NAVI" button.



2. Touch "Setup".



3. Touch the items to be set.

4. Touch "OK" on the screen.

The previous screen will be displayed.

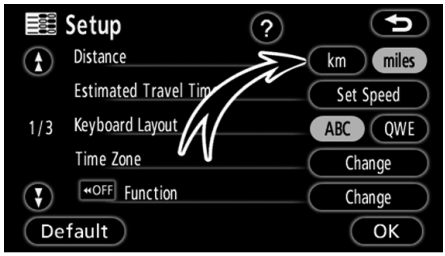
INFORMATION
To reset all setup items, touch "Default".

- **Distance unit**

Distance unit can be changed.

1. Push the "NAVI" button.

2. Touch "Setup" on the "Menu" screen.



3. Touch "km" or "miles" of "Distance" to choose the distance unit.

The selected button is highlighted.

4. Touch "OK".

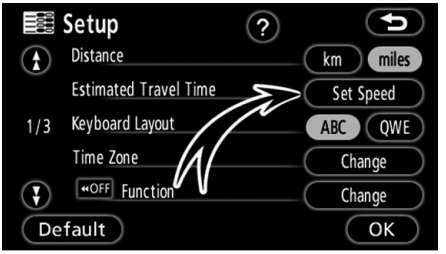
INFORMATION
This function is available only in English or Spanish. To switch language, see "Select language" on page 176.

- **Estimated travel time**

The speed that is used for the calculation of the estimated travel time and the estimated arrival time can be set.

1. Push the "NAVI" button.

2. Touch "Setup" on the "Menu" screen.



3. Touch "Set Speed" of the "Estimated Travel Time".



4. Touch ◄ or ► to set the average vehicle speeds for "Residential", "Main street", and "Freeway".

To set the default speeds, touch **"Default"**.

5. After setting of the desired speeds is completed, touch "OK".

INFORMATION

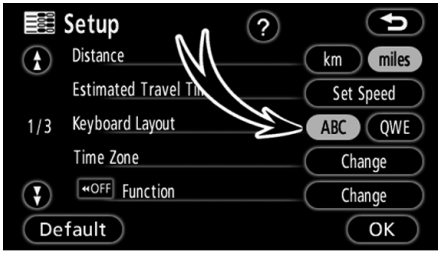
- ***The displayed time to the destination is the approximate driving time that is calculated based on the selected speeds and the actual position along the guidance route.***
- ***The time shown on the screen may vary greatly depending on progress along the route, which may be affected by road conditions such as traffic jams and, construction work.***
- ***It is possible to display up to 99 hours 59 minutes.***

- **Input keyboard layout**

Keyboard layout can be changed.

1. Push the "NAVI" button.

2. Touch "Setup" on the "Menu" screen.



3. Touch "ABC" or "QWE" of "Keyboard Layout" to choose the keyboard layout.

LAYOUT TYPE



► "ABC" type



► "QWE" type

The selected button is highlighted.

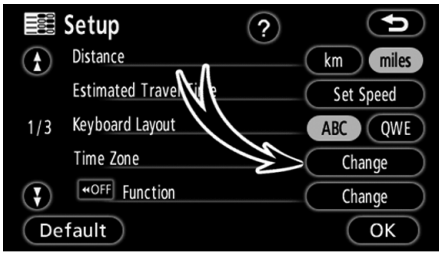
4. Touch "OK".

- **Time zone**

Time zone can be changed.

1. Push the "NAVI" button.

2. Touch "Setup" on the "Menu" screen.



3. Touch "Change" of "Time Zone".

The "Adjust Time Zone" screen will be displayed on the display.



4. Touch the desired time zone.

The selected button is highlighted.

"**Daylight Saving Time":** Daylight saving time can be set or cancelled.

To set daylight saving time, touch **"ON"**, and to cancel it, touch **"OFF"**.

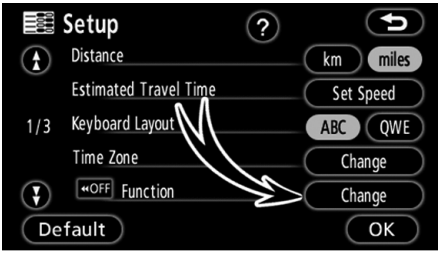
5. Touch "OK".

- **Screen layout function (OFF Function)**

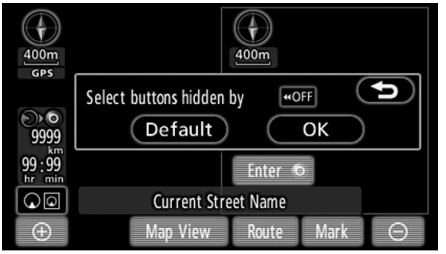
Each touch screen button and current street name on the map screen can be displayed or hidden.

1. Push the "NAVI" button.

2. Touch "Setup" on the "Menu" screen.



3. Touch "Change" of "OFF Function".



4. Touch the touch screen button to be turned off. The button becomes dimmed.

To set the default, touch **"Default"**.

5. Touch "OK".

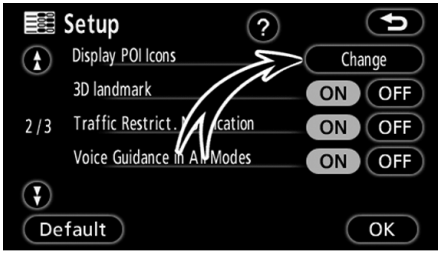
- **POI category change (Display POI Icons)**

Select from among the 6 icons displayed on the “Display POI Icons” top screen, so that setting of the icons to be displayed on the map screen can be done easily.

1. Push the “NAVI” button.

2. Touch “Setup” on the “Menu” screen.

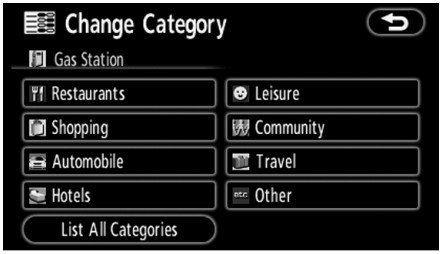
Then touch to display page 2 of the “Setup” screen.



3. Touch “Change” of “Display POI Icons”.



4. Touch the category button to be changed.



5. Touch the category button to be displayed on the “Display POI Icons” top screen.

6. Touch “OK”.

- **3D landmark**

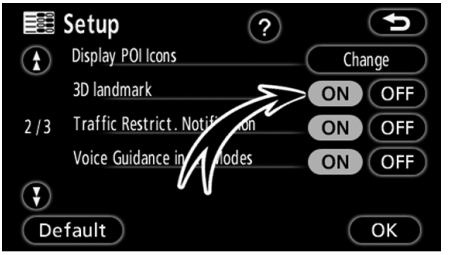
When the “3D landmark” feature is turned on, the system will display the 3D landmark on the map.

To turn the “3D landmark” mode on:

1. Push the “NAVI” button.

2. Touch “Setup” on the “Menu” screen.

Then touch to display page 2 of the “Setup” screen.



3. Touch “ON” of “3D landmark”.

The selected button is highlighted.

4. Touch “OK”.

- **Notifying traffic restriction**

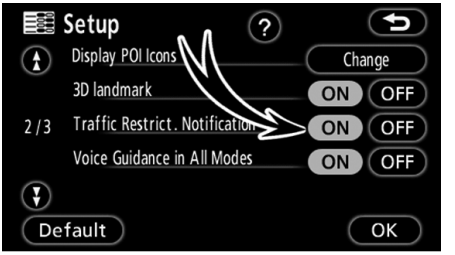
When the “Traffic Restrict. Notification” feature is turned on, the system notifies you of traffic or seasonal restrictions.

To turn the “Traffic Restrict. Notification” on:

1. Push the “NAVI” button.

2. Touch “Setup” on the “Menu” screen.

Then touch to display page 2 of the “Setup” screen.



3. Touch “ON” of “Traffic Restrict. Notification”.

The selected button is highlighted.

4. Touch “OK”.

- **Voice guidance in all modes**

When the “Voice Guidance in All Modes” feature is turned on, the voice guidance in all modes can be heard.

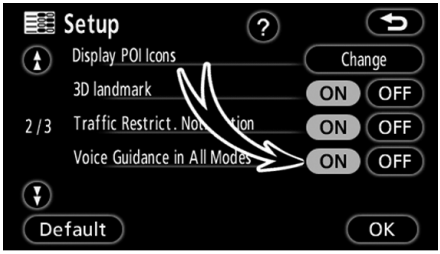
When the “Voice Guidance in All Modes” feature is turned off, the voice guidance cannot be heard when using the audio/video system.

To turn the “Voice Guidance in All Modes” on:

1. Push the “NAVI” button.

2. Touch “Setup” on the “Menu” screen.

Then touch to display page 2 of the “Setup” screen.



3. Touch “ON” of “Voice Guidance in All Modes”.

The selected button is highlighted.

4. Touch “OK”.

- **Auto voice guidance**

When the “Auto Voice Guidance” feature is turned on, the voice guidance can be heard automatically.

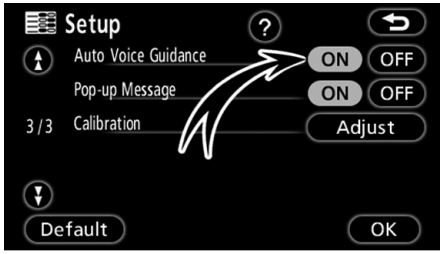
When the “Auto Voice Guidance” feature is turned off, the voice guidance can be heard only if the **“MAP”** button is pushed.

To turn the “Auto Voice Guidance” mode on:

1. Push the “NAVI” button.

2. Touch “Setup” on the “Menu” screen.

Then touch twice to display page 3 of the “Setup” screen.



3. Touch “ON” of “Auto Voice Guidance”.

The selected button is highlighted.

4. Touch “OK”.

- **Pop-up message**

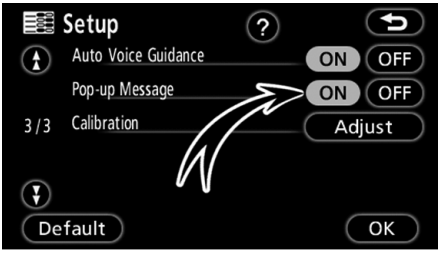
When the “Pop-up Message” is turned on, the pop-up message will be displayed.

To turn the “Pop-up Message” on:

1. Push the “NAVI” button.

2. Touch “Setup” on the “Menu” screen.

Then touch ⏬ twice to display page 3 of the “Setup” screen.

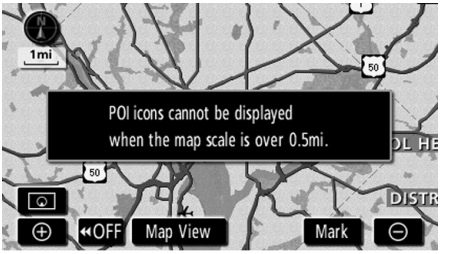


3. Touch “ON” of “Pop-up Message”.

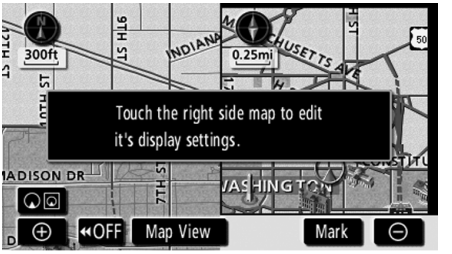
The selected button is highlighted.

4. Touch “OK”.

When the “Pop-up Message” is turned off, the following messages will not be displayed.



This message appears when the system is in the POI mode and the map scale is over 0.5 mile (800 m) or greater.



The message appears when the map is switched to the dual map screen mode.

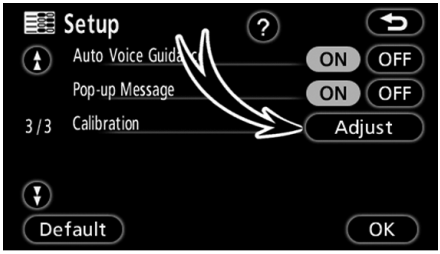
- **Current position/tire change calibration**

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

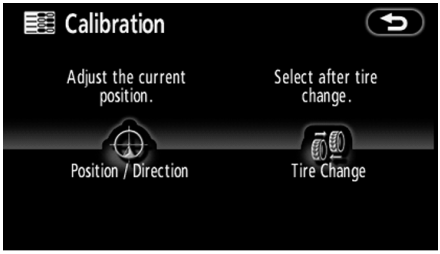
1. Push the "NAVI" button.

2. Touch "Setup" on the "Menu" screen.

Then touch twice to display page 3 of the "Setup" screen.



3. Touch "Adjust" of "Calibration".

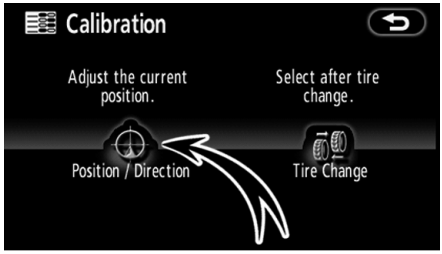


4. Touch the desired touch screen button.

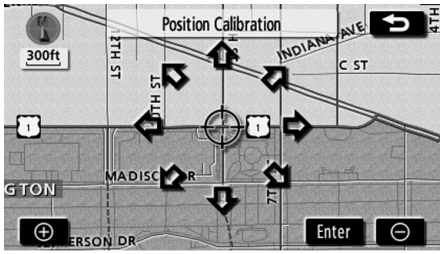
INFORMATION
For additional information on the accuracy of a current vehicle position, see "Limitations of the navigation system" on page 270.

POSITION/DIRECTION CALIBRATION

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

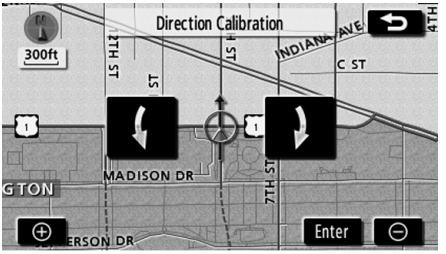


1. Touch "Position / Direction".



2. Touch the eight directional touch screen button to move the cursor ⌖ to the desired point on the map.

3. Touch "Enter".



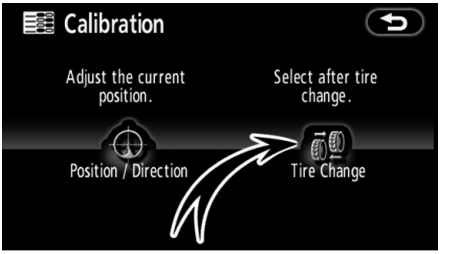
4. Touch either the ◀ or ▶ to adjust the direction of the current vehicle position mark.

5. Touch "Enter".

The map screen will be displayed.

TIRE CHANGE CALIBRATION

The tire change calibration function will be used when replacing the tires. This function will adjust the miscalculation caused by the circumference difference between the old and new tires. If this procedure is not performed when the tires are replaced, the current vehicle position mark may be incorrectly displayed.



To perform a distance calibration procedure, touch "Tire Change" on the "Calibration" screen.

The message appears and the quick distance calibration is automatically started. A few seconds later, a map screen will be displayed.

SECTION 5

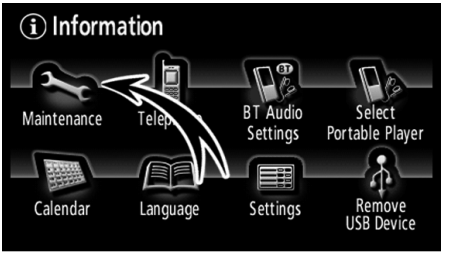
OTHER FUNCTIONS

- **Maintenance information** 120
  - Maintenance information setting 120
  - Dealer setting 122
- **Calendar with memo** 124
  - Adding a memo 126
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  - Memo list 127
- **Hands-free system (for cellular phone)** 129
  - Register a Bluetooth® phone 133
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  - Talk on the Bluetooth® phone 141
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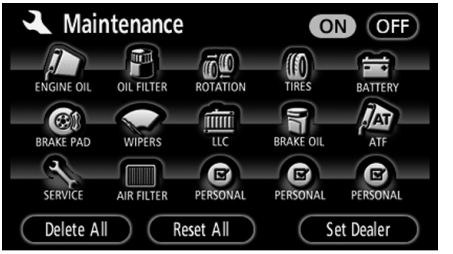
Maintenance information — —Maintenance information setting

When the navigation system is turned on, the “Information” screen displays when it is time to replace a part or certain components. (See page 22.)

1. Push the “INFO” button.



2. Touch “Maintenance”.



3. Touch the desired touch screen button.

For details of each touch screen button, see “INFORMATION ITEMS” on page 121.

“Delete All”: To cancel all conditions which have been inputted.

“Reset All”: To reset the item which has satisfied a condition.

“Set Dealer”: To register or edit dealer information. (See “ — Dealer setting” on page 122.)

If **“ON”** is selected, the system gives maintenance information with the “Information” screen when the system is turned on. (See page 22.)

If **“OFF”** is selected, the “Information” screen is disabled.

When the vehicle needs to be serviced, the touch screen button color will change to orange.

INFORMATION ITEMS

"ENGINE OIL": Replace engine oil

"OIL FILTER": Replace engine oil filter

"ROTATION": Rotate tires

"TIRES": Replace tires

"BATTERY": Replace battery

"BRAKE PAD": Replace brake linings

"WIPERS": Replace wiper blades

"LLC": Replace engine coolant

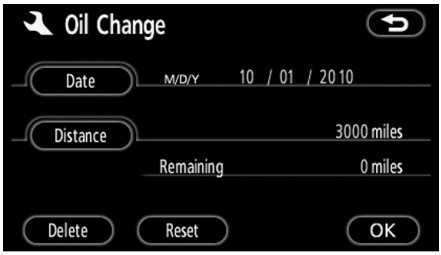
"BRAKE OIL": Replace brake fluid

"ATF": Replace ATF (Automatic Transmission Fluid)

"SERVICE": Scheduled maintenance

"AIR FILTER": Replace air filter

"PERSONAL": New information items can be created separately from provided ones



4. Input the conditions.

Notice of "Date": The next maintenance date can be input.

Notice of "Distance": The driving distance until the next maintenance check can be input.

"Delete": To cancel the date and distance conditions.

"Reset": To reset the date and distance conditions.

5. Touch "OK".

The screen then returns to the "Maintenance" screen.

INFORMATION

- ***For scheduled maintenance information, please refer to the "Scheduled Maintenance Guide" or "Owner's Manual Supplement".***
- ***Depending on driving or road conditions, the actual date and distance may differ from the stored date and distance in the system.***

— Dealer setting

It is possible to register a dealer in the system. With dealer information registered, route guidance to the dealer is available.

1. Push the "INFO" button.

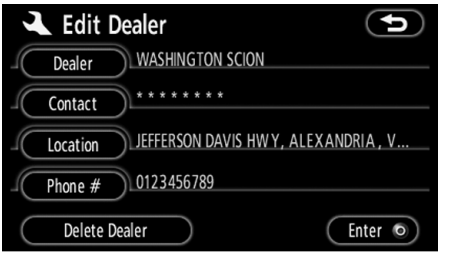
2. Touch "Maintenance" on the "Information" screen.

3. Touch "Set Dealer" on the "Maintenance" screen.



4. If the dealer has not been registered, enter the location of the dealer in the same way as for a destination search. (See "Destination search" on page 42.)

When "Set Dealer" registration is finished, the "Edit Dealer" screen will be displayed.



5. Touch the touch screen button to be edited.

"Dealer": To enter the name of a dealer. (See page 123.)

"Contact": To enter the name of a dealer member. (See page 123.)

"Location": To set a location. (See page 123.)

"Phone #": To set a telephone number. (See page 124.)

"Delete Dealer": To delete the dealer information displayed on the screen.

"Enter ⊙": To set the displayed dealer as a destination. (See "Starting route guidance" on page 61.)

- **To edit “Dealer” or “Contact”**

1. Touch “Dealer” or “Contact” on the “Edit Dealer” screen.



2. Enter the name using the alpha-numeric keys.

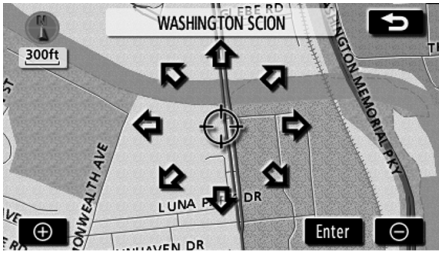
Up to 24 letters can be entered.

3. Touch “OK”.

The previous screen will be displayed.

- **To edit “Location”**

1. Touch “Location” on the “Edit Dealer” screen.



2. Touch the eight directional touch screen button to move the cursor ⌖ to the desired point on the map.

3. Touch “Enter”.

The previous screen will be displayed.

- **To edit “Phone #”**

1. Touch “Phone #” on the “Edit Dealer” screen.



2. Enter the number using numeral keys.

3. Touch “OK”.

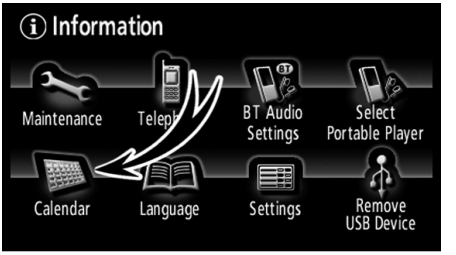
The previous screen will be displayed.

Calendar with memo —

It is possible to enter memos for particular dates on the calendar. The system informs you of the memo entry when the system is turned on. (See page 22.)

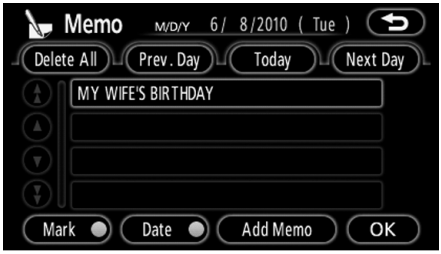
Memos can also be used for route guidance if the memo has been registered with location information.

1. Push the “INFO” button.



2. Touch “Calendar”.





On this screen, the current date is highlighted in yellow.

or **:** To change month.

or **:** To change year.

"Today": To display the current month calendar (if another month will be displayed).

"List": To display the list of registered memos. (See " — Memo list" on page 127.)

Touching a date button on the "Calendar" screen displays the "Memo" screen.

Memos can be edited by touching the list button. (See " — Editing a memo" on page 127.)

"Add Memo": To add a memo. (See " — Adding a memo" on page 126.)

"Mark ○": To change the color of the mark displayed next to the date. To default the mark color, touch **"Delete"** on the "Mark Color" screen.

"Date ○": To change the color of the date. To default the date color, touch **"Delete"** on the "Date Color" screen.

"Prev. Day": To go to the "Memo" screen of the previous date.

"Today": To go to the "Memo" screen for the current day.

"Next Day": To go to the "Memo" screen of the next date.

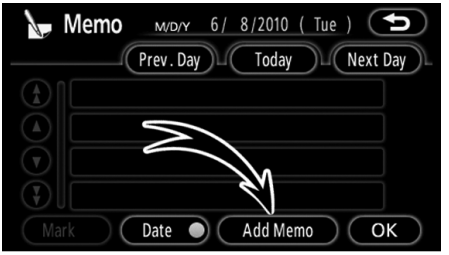
— Adding a memo

If a memo is added, the system informs of the memo entry when the system is started on the memo date. (See page 22.)

1. Push the "INFO" button.

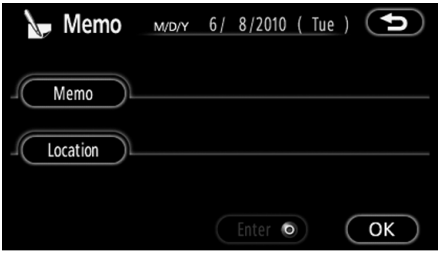
2. Touch "Calendar" on the "Information" screen.

3. Touch the date you want to add a memo on the "Calendar" screen.



4. Touch "Add Memo".

Up to 100 memos can be added.



5. Touch "Memo".



6. Enter text using the keys.

Up to 24 letters can be entered.

After entering the text, touch **"OK"** at the bottom right of the screen.



7. When registering information on the memo, touch "Location".

A screen similar to the destination search screen appears. Search the same way as searching a destination. (See "Destination search" on page 42.)

— Editing a memo

The registered memo can be edited.

1. Push the "INFO" button.

2. Touch "Calendar" on the "Information" screen.

3. Touch the day you want to edit a memo on the "Calendar" screen.



4. Touch the memo to be edited.



5. Touch the item to be edited.

"Memo": To edit a memo. (See " — Adding a memo" on page 126.)

"Location": To change a registered location. (See " — Adding a memo" on page 126.)

"Enter ⊙": To set the registered location as a destination. (See "Starting route guidance" on page 61.)

"Delete": To delete the memo.

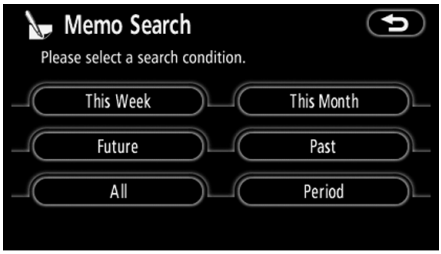
— Memo list

It is possible to display a memo list by setting a condition.

1. Push the "INFO" button.

2. Touch "Calendar" on the "Information" screen.

3. Touch "List" on the "Calendar" screen.



4. Touch the desired search condition to list the memos.

"This Week": To display the list of memos for the current week.

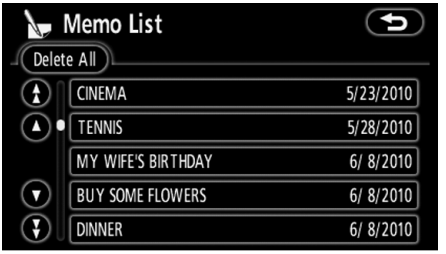
"This Month": To display the list of memos for the current month.

"Future": To display a list of future memos.

"Past": To display the list of past memos.

"All": To display the list of all memos.

"Period": To display the list of memos for a specified period. (See page 128.)



5. To delete and/or edit the memo, touch the desired memo button.

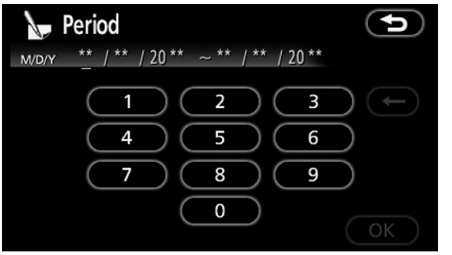
"Delete All": To delete all the displayed memos.

A message will be displayed.

6. To delete, touch "Yes". To cancel the deletion, touch "No".

- **To display memos for a specified period of time**

1. Touch "Period" on the "Memo Search" screen.



2. Enter the period using the numeral keys.

The period from January 1, 2009 through December 31, 2028 can be set for searching.

3. After setting the period, touch "OK".

The "Memo List" screen will be displayed.

Hands−free system (for cellular phone) —

Hands-free system allows you to make or receive a call without taking your hands off the steering wheel by connecting your cellular phone.

This system supports Bluetooth®. Bluetooth® is a wireless data system by which you can call without your cellular phone being connected with a cable or placed on a cradle.

If your cellular phone does not support Bluetooth®, this system can not function.

⚠CAUTION

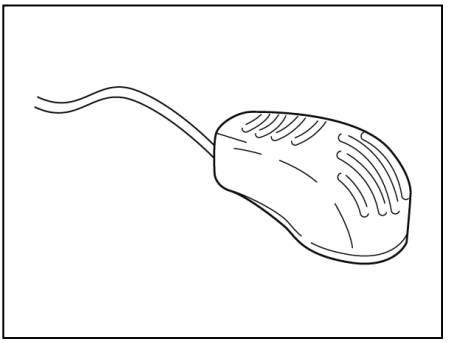
Use a cellular phone or connect the Bluetooth® phone only when safe and legal to do so.

NOTICE

Do not leave your cellular phone in the car. The temperature indoor may be high and damage the phone.

INFORMATION

- ***In the following conditions, the system may not function.***
  - ***The cellular phone is turned off.***
  - ***The current position is outside the communication area.***
  - ***The cellular phone is not connected.***
  - ***The cellular phone has a low battery.***
- ***If Bluetooth® devices are used for hands-free phone and Bluetooth® audio connections at the same time, the following may occur.***
  - ***The Bluetooth® connection may be cut off.***
  - ***Noise may occur in the audio played from the portable player.***
- ***Even if using a cellular phone that is capable of both hands-free phone and Bluetooth® audio connections, simultaneous connection may not be possible in some cases.***



► **Microphone**

You can use the microphone above when talking on the phone.

The other party's voice outputs from the driver's speaker. When the received calls or received voice outputs, the audio from the Audio/video system or voice guidance from the navigation system will be muted.

INFORMATION

- ***Talk alternately with the other party on the phone. If you talk at the same time, the voice may not reach each other. (It is not a malfunction.)***
- ***Keep the volume of receiving voice down. Otherwise, echo is coming up. When you talk on the phone, speak clearly towards the microphone.***
- ***In the following situations, your voice may not reach the other party.***
  - ***Driving on unpaved road. (Making a traffic noise.)***
  - ***Driving at the high speed.***
  - ***The window is open.***
  - ***Turning the air-conditioning vents towards the microphone.***
  - ***The sound of the air-conditioning fan is loud.***
  - ***The cellular phone network has a problem.***



1 Indicates the condition of the Bluetooth® connection.

"Blue" indicates an excellent connection to Bluetooth®.

"Yellow" indicates a bad connection to Bluetooth®, resulting in possible deterioration of voice quality.

: No connection to Bluetooth®.

2 Indicates the amount of battery charge left.

Empty ◄——————► **Full**

It is not displayed while the Bluetooth® is not connected.

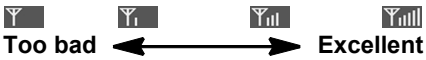
The amount left does not always correspond with the one of your cellular phone. This system doesn't have a charging function.

3 Indicates the receiving area.

"Rm" is displayed when receiving in Roaming area.

"Ho" is displayed when receiving in Home area.

4 Indicates the level of reception.



The level of reception does not always correspond with the one of your cellular phone.

INFORMATION

This system supports the following service.

- ***HFP (Hands Free Profile) Ver. 1.0***
- ***OPP (Object Push Profile) Ver. 1.1***

If your cellular phone does not support HFP, you cannot enter the Bluetooth® phone, and take OPP service individually.

The Bluetooth® connection utilizes the Bluetooth® antenna. The indication of the Bluetooth® connection may turn yellow and the system may not function when you use the Bluetooth® phone in the following conditions:

- Your cellular phone is hidden behind the display (behind the seat or in the glove box or console box).
- Your cellular phone touches or is covered with metal materials.
- Your cellular phone is in the trunk.

Leave the Bluetooth® phone in a place where the “Blue” indication is displayed.

Bluetooth® is a trademark owned by Bluetooth SIG, Inc.

When you change the ownership of your car:

Personal information is stored when using the hands-free system. To protect your privacy, it is recommended that you initialize the system before changing the ownership of your car.

If you initialize the system, previously stored data will be deleted permanently. Please be aware that once the system has been initialized, deleted personal data cannot be restored.

You can initialize the following data in the system.

- Phone book data
- Dialed numbers and received calls
- Speed dial
- Bluetooth® phone data
- Security code

FCC ID: XEMNA08A02
IC ID: 8192A-NA08A02
MADE IN JAPAN

This device complies with Part 15 of the FCC Rules and RSS−210 of industry Canada. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

⚠CAUTION

FCC Warning:

Changes or modifications not expressly approved by AISIN AW Co., Ltd for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

−Reorient or relocate the receiving antenna.

−Increase the separation between the equipment and receiver.

−Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

−Consult the dealer or an experienced radio/TV technician for help.

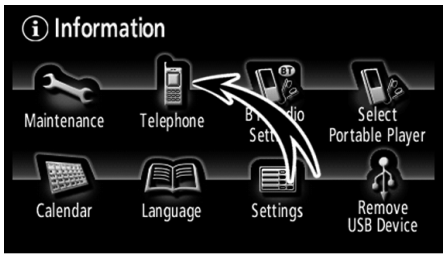
CAUTION: Radio Frequency Radiation Exposure
This equipment complies with FCC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated with at least 20 cm and more between the radiator and person's body (excluding extremities: hands, wrists, feet and legs).

Co−location: This transmitter must not be co−located or operated in conjunction with any other antenna or transmitter.

— Register a Bluetooth® phone

To use the hands-free system, you need to enter your phone into the system. Once you have registered it, you can make a hands-free call.

1. Push the "INFO" button.



2. Touch "Telephone" to display the "Telephone" screen.

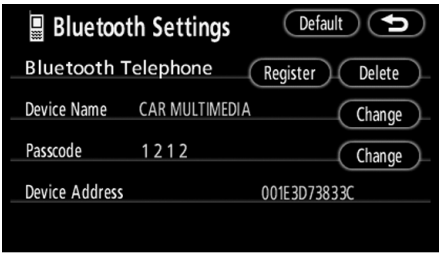


3. Touch "Settings" to display the "Settings" screen.



4. Touch "Bluetooth*" to display the "Bluetooth* Settings" screen.

*: Bluetooth is a registered trademark of Bluetooth SIG. Inc.



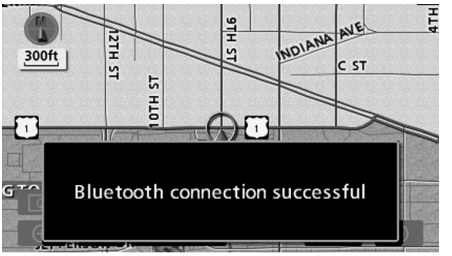
5. Touch "Register" to connect your cellular phone to the system.



6. When this screen is displayed, input the passcode displayed on the screen into the phone.

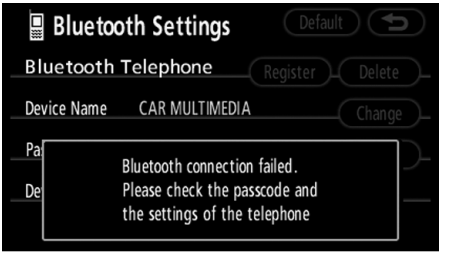
For the operation of the phone, see the manual that comes with your cellular phone.

If you want to cancel it, touch **"Cancel"**.



7. When the connection is completed, this screen is displayed.

You do not need to enter the phone in case of using the same one.



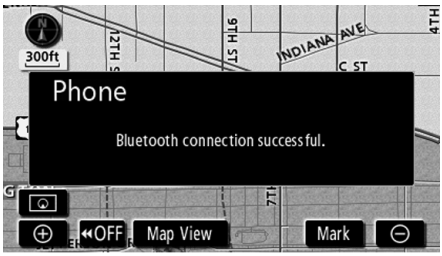
When this screen is displayed, follow the instructions on the screen and start again from step 5.

- **Connecting a Bluetooth® phone AUTOMATICALLY**



When you register your phone, auto connection will be turned on. Always set it to this mode and leave the Bluetooth® phone in a condition where connection can be established.

Each time you touch **"Auto Connect"**, auto connection will be switched on or off.



Vehicles with smart entry and start system—

When the "ENGINE START STOP" switch is in the ACCESSORY or IGNITION ON mode, the selected Bluetooth® phone will be automatically connected and the connection result is displayed.

This screen appears when the Bluetooth® phone is first connected after the "ENGINE START STOP" switch is turned to the ACCESSORY or IGNITION ON mode.

Vehicles without smart entry and start system—

When the engine switch is in ACC or ON position, the selected Bluetooth® phone will be automatically connected and the connection result is displayed.

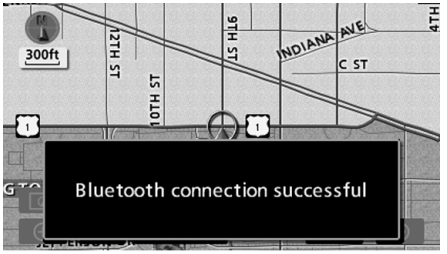
This screen appears when the Bluetooth® phone is first connected after the engine switch is in ACC or ON position.

MANUALLY

When the auto connection failed or turned off, you have to connect Bluetooth® manually.



Touch "Connect" after having enabled the Bluetooth® connection on the phone.



When the connection is completed, this screen is displayed.

Now you can use the Bluetooth® phone.

- **Reconnecting the Bluetooth® phone**

Vehicles with smart entry and start system—

If the Bluetooth® phone is disconnected with a poor reception from the Bluetooth® network when the "ENGINE START STOP" switch is in the ACCESSORY or IGNITION ON mode, the system automatically reconnects the Bluetooth® phone. In this case, the connection result is not displayed.

If the Bluetooth® is disconnected on purpose such as you turned your cellular phone off, this does not happen. Reconnect it by the following methods.

- Select the Bluetooth® phone again.
- Enter the Bluetooth® phone.

Vehicles without smart entry and start system—

If the Bluetooth® phone is disconnected with a poor reception from the Bluetooth® network when the engine switch is in ACC or ON position, the system automatically reconnects the Bluetooth® phone. In this case, the connection result is not displayed.

If the Bluetooth® is disconnected on purpose such as you turned your cellular phone off, this does not happen. Reconnect it by the following methods.

- Select the Bluetooth® phone again.
- Enter the Bluetooth® phone.

— Call on the Bluetooth® phone

After you enter the Bluetooth® phone, you can call by using hands-free system. You can call using the 6 methods described below.

- **By key pad**

You can call by inputting the telephone number.

This cannot be operated while driving.



Touch the desired key to input the telephone number.

Each time you touch ◄, an inputted digit is deleted.

When you touch , the number you called last is inputted.

Touch the off-hook button ( ) on the screen.

- **By phone book**

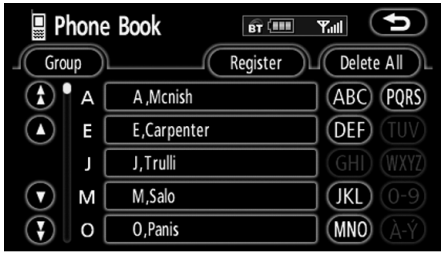
You can call by phone book data which is transferred from your cellular phone.

The system has one phone book. You can register up to 1000 numbers.

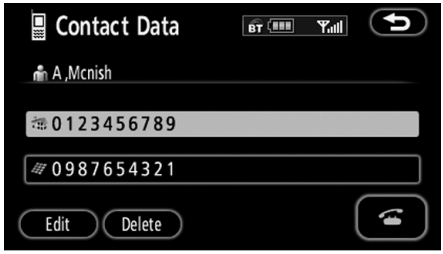
This cannot be operated while driving.



1. Touch "Phone Book" to display the "Phone Book" screen.



2. Select the desired number from the list.



Touch the off-hook button ( ) on the screen.

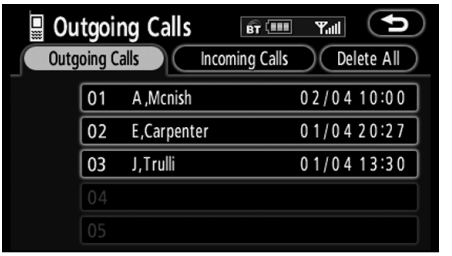
- **By dialed numbers**

You can call by dialed number. The system memorizes up to 5 dialed numbers. If there are more than 5, the oldest number is deleted.

This cannot be operated while driving.



1. Touch "Call Log" to display the "Outgoing Calls" screen.



- When you call by phone book, the name (if registered) is displayed.
- When you call the same number continuously, only the newest number is registered.

2. Select the desired number from the list.



Touch the off-hook button ( ) on the screen.

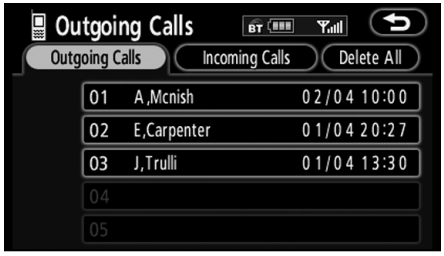
- **By received calls**

You can call by received calls. When a call is received, the system memorizes up to 5 numbers. If there are more than 5, the oldest number is deleted.

This cannot be operated while driving.



1. Touch "Call Log" to display the "Outgoing Calls" screen.

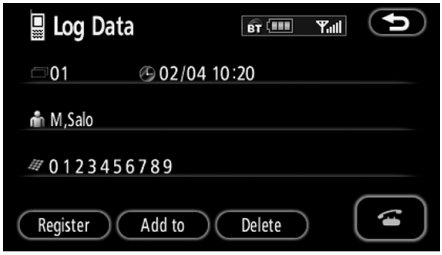


2. Touch "Incoming Calls" to display the "Incoming Calls" screen.



- When a telephone number registered in the phone book is received, the name and the number are displayed.
- Received calls which you did not answer are also memorized in the system and "**Abs.**" is displayed on the left side of the number.
- Received calls which you refused are also memorized in the system and "⃠" is displayed on the left side of the number.
- Unrecognized telephone number such as a public telephone is not memorized in the system.

3. Select the desired number from the list.



Touch the off-hook button ( ) on the screen.

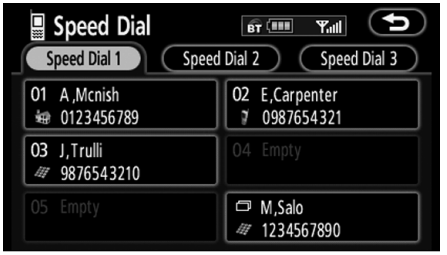
- An international phone call may not be made depending on the cellular phone which you have.

- **By speed dial**

You can call by registered telephone number which you selected from a phone book, dialed numbers and received calls. (See "(a) Registering the speed dial" on page 144 for registering the speed dial.)



1. Touch "Speed Dial" to display the "Speed Dial" screen.

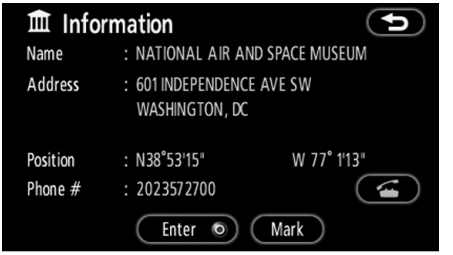


2. Touch the desired number to call.

You can change the page by touching "Speed Dial 2" or "Speed Dial 3".

When you push the telephone button while driving, the screen above appears. Touch the desired name to call. (The telephone number is not displayed.)

- **By POI call**



You can call by touching when it is displayed on the screen from navigation system. (See page 30 for details.)

— Receive on the Bluetooth® phone



When a call is received, this screen is displayed with a sound. Touch to talk on the phone.

To hang up the phone:

Touch the on-hook button ( ) on the screen.

To refuse to receive the call:

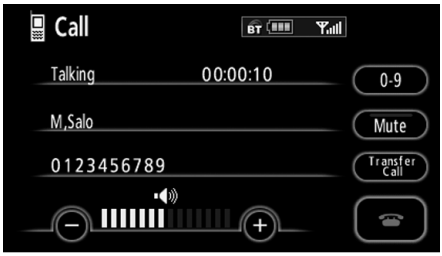
Touch and hold it.

To adjust the volume of received call:

Touch **"–"** or **"+"** or use the volume switch of the steering wheel.

On the international phone call, the other party's name may not be displayed correctly depending on the cellular phone which you have.

— Talk on the Bluetooth® phone



While you are talking on the phone, this screen is displayed. You can do the operation below on the screen.

To adjust the volume of the other party's voice:

Touch **"–"** or **"+"** or use the volume switch of the steering wheel.

To hang up the phone:

Touch the on-hook button ( ) on the screen.

To mute your voice:

Touch **"Mute"**.

To input a Key:

Touch **"0-9"**.

To transfer the call:

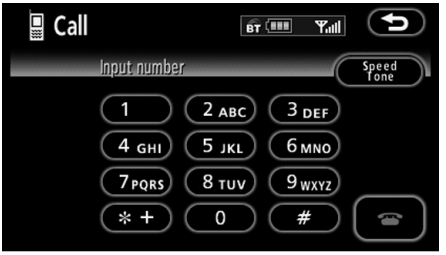
Touch **"Transfer Call"**.

You cannot change from Hands−free call to cellular phone call while driving.

When you change from cellular phone call to Hands-free call, the Hands-free screen will be displayed and you can operate it on the screen.

Transferring method and behavior are different depending on the cellular phone which you have.

For the operation of the phone, see the manual that comes with your cellular phone.



Touch the desired number to input the key.

To hang up the phone:

Touch the on-hook button (☎) on the screen.

This cannot be operated while driving.



If the continuous tone signal is registered in a phone book, this screen appears. (If not registered, "Send" and "Exit" are not displayed.)

Confirm the number displayed on the screen and touch "Send". The number before marked sign will be sent.

When you touch **"Exit"**, this function will be finished and normal tone screen appears.

To hang up the phone:

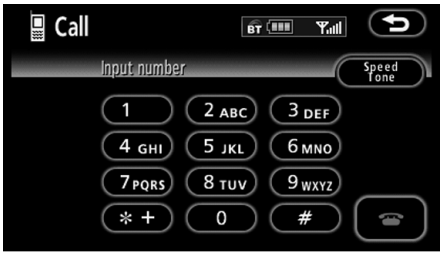
Touch the on-hook button (☎) on the screen.

The continuous tone signal is the marked sign (p or w) and the number following telephone number.
(ex. 056133w0123p#1∗)

You can do this operation when you want to operate an answering machine or use a telephone service in bank for example. You can register the phone number and the code number in the phone book.

- **Sending a tone by the speed tone**

You can send a tone by the speed tone. (For registering the speed tone, see "(b) Registering the speed tone" on page 146.)



1. Touch "Speed Tone".



2. Touch the desired touch screen button to send a tone.

— Change the settings of the Bluetooth® phone



Touch "Settings" to display the "Settings" screen.



You can change the settings of the phone.

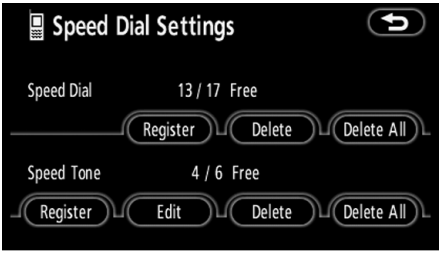
(a) Registering the speed dial

You can register the desired telephone number from phone book, dialed numbers and received calls. Up to 17 speed dial numbers can be registered.

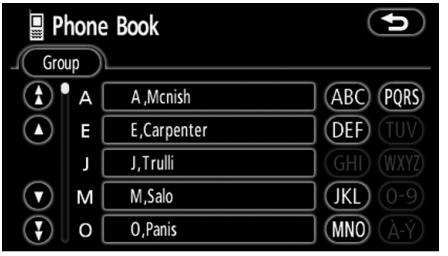
The 6th entry is the speed dial for redialing.



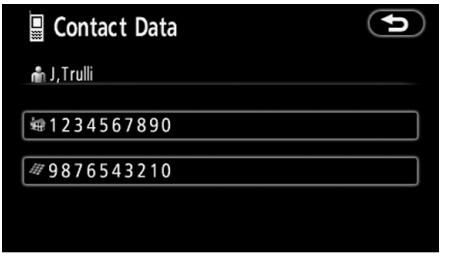
1. Touch "Speed Dial" to display the "Speed Dial Settings" screen.



2. Touch "Register" of "Speed Dial".



3. Select the data you want to register.

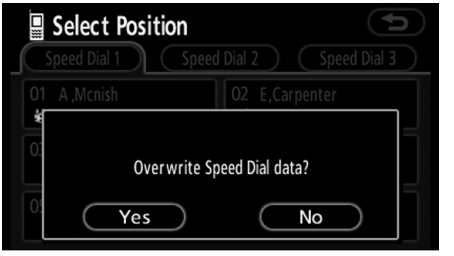


4. Touch the desired telephone number.



5. Touch the touch screen button you want to register in.

The latest dialed number is registered in the 6th item (speed redial).



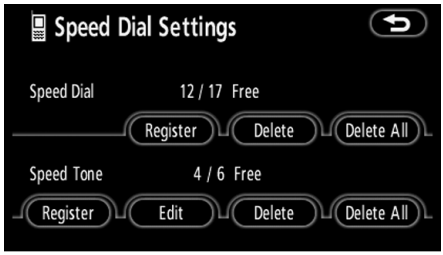
If you select a touch screen button you registered before, this screen is displayed.

6. Touch "Yes" if you want to overwrite it.

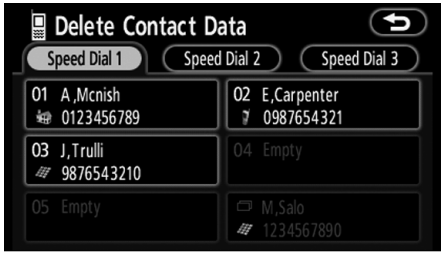
- **Deleting the speed dial individually**

You can delete “01” - “17” of the speed dial individually.

If you delete them all at once, all of 17 numbers are deleted.



1. Touch “Delete” of “Speed Dial”.

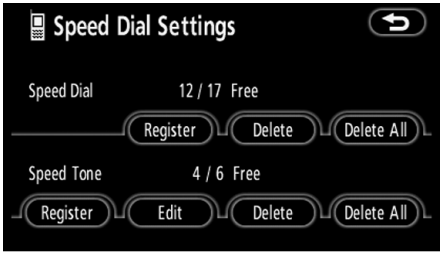


2. Touch the touch screen button you want to delete.



3. Touch “Yes”.

- **Deleting all of the speed dial**



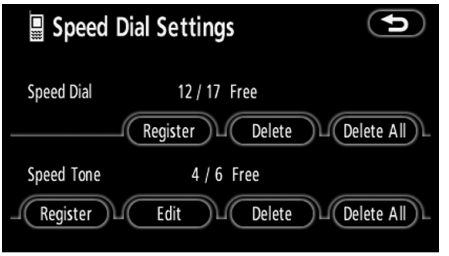
1. Touch “Delete All” of “Speed Dial”.



2. Touch “Yes”.

(b) Registering the speed tone

You can register the desired tone number. Up to 6 speed tone numbers can be registered.



1. Touch "Register" of "Speed Tone".



2. Use the software keyboard to input the name.



3. Input the number and touch "OK".



4. Touch the desired touch screen button you want to register in.



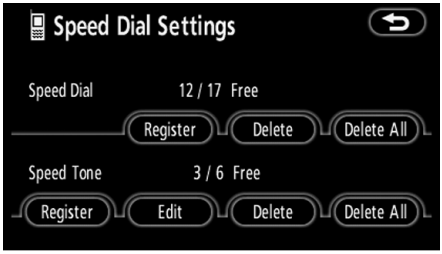
If you select a touch screen button you registered before, this screen is displayed.

5. Touch "Yes" if you want to overwrite it.

INFORMATION
If you often use a certain set of tone signals, you can register that set of code as a speed tone number to allow a one-touch operation during calls.

- **Editing the speed tone**

You can edit the speed tone.



1. Touch “Edit” of “Speed Tone”.



2. Touch the touch screen button you want to edit.



3. Use the software keyboard to input the name.

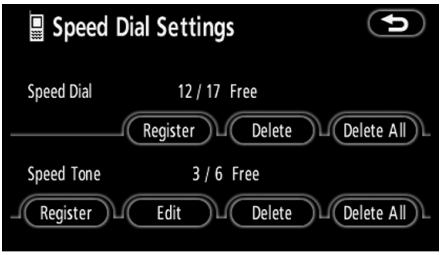


4. Input the number and touch “OK”.

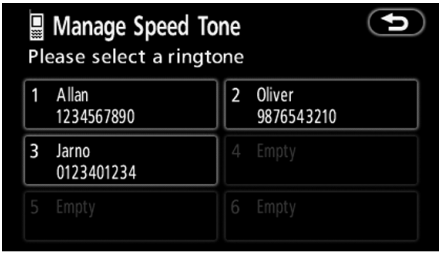
- **Deleting the speed tone individually**

You can delete “1” to “6” of the speed tone.

If you delete them all at once, all of 6 numbers are deleted.



1. Touch “Delete” of “Speed Tone”.

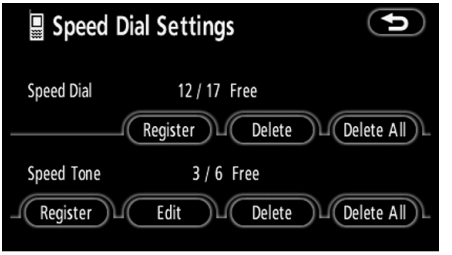


2. Touch the touch screen button you want to delete.

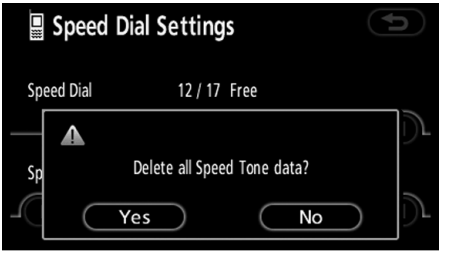


3. Touch “Yes”.

- **Deleting all the speed tone**



1. Touch “Delete All” of “Speed Tone”.

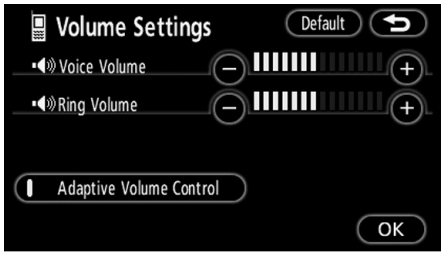


2. Touch “Yes”.

(c) Setting the volume



1. Touch "Volume" to display the "Volume Settings" screen.



2. Touch "-" or "+" to adjust the "Voice Volume" or "Ring Volume".

"Voice Volume" ..... Adjusting the other party's voice.

"Ring Volume" ..... Adjusting the ring volume.

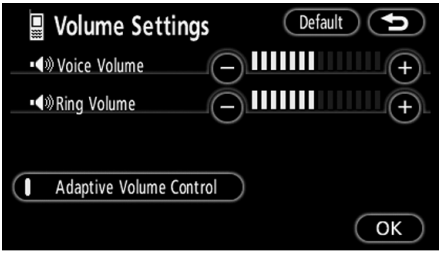
- **Automatic volume settings for high speed**

You can set the volume one step up when the speed is over 50 mph (80 km/h). (When it is under 43 mph (70 km/h), previous volume is back.)

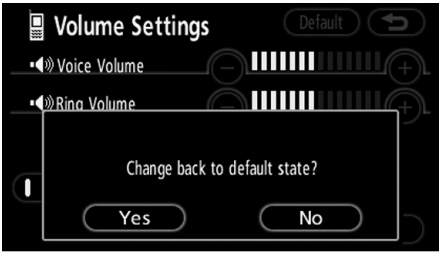
Each time you touch **"Adaptive Volume Control"**, you can switch on or off.

- **Initializing the settings**

You can initialize the settings.



Touch “Default”.

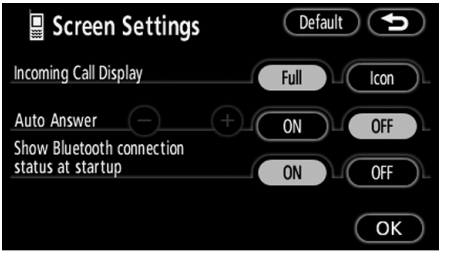


Touch “Yes”.

(d) Setting the screen



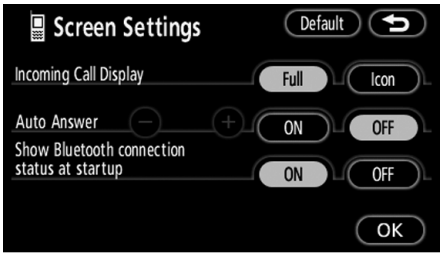
1. Touch “Screen” to display the “Screen Settings” screen.



2. Do the detail settings of the screen and touch “OK”.

- **Receiving call display**

You can select the method of the receiving call display.



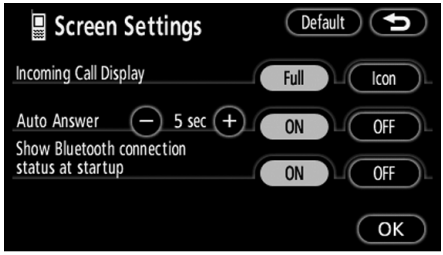
Touch “Full” or “Icon”.

“Full” mode.....When a call is received, the Hands-free screen is displayed and you can operate it on the screen.

“Icon” mode.....The message is displayed on the screen.

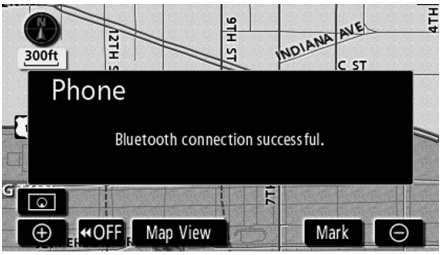
- **Auto answer**

When a call is received, the display automatically changes to the talking screen and you can start to talk on the phone (without touching any button) after the preset time.



Touch “ON” of “Auto Answer” and “-” or “+” to adjust the waiting time of auto answer within 1 - 60 seconds.

- **The Bluetooth® connection status at startup**

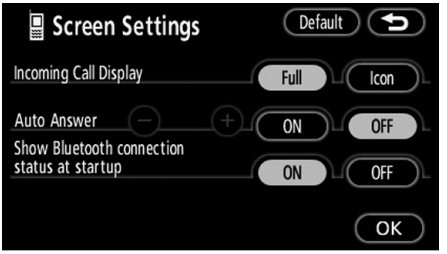


Vehicles with smart entry and start system—

When the "ENGINE START STOP" switch is in the ACCESSORY or IGNITION ON mode and the Bluetooth® is automatically connected, the connection check is displayed.

Vehicles without smart entry and start system—

When the engine switch is in ACC or ON position and the Bluetooth® is automatically connected, the connection check is displayed.

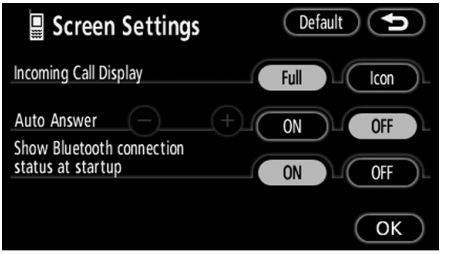


Touch "ON" or "OFF" of "Show Bluetooth* connection status at startup".

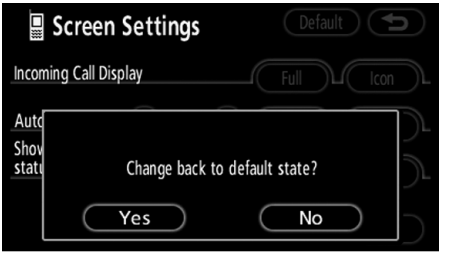
*: Bluetooth is a registered trademark of Bluetooth SIG. Inc.

- **Initializing the settings**

You can initialize the settings.



Touch "Default".



Touch "Yes".

(e) Setting the phone book

You can register phone numbers in the phone book.



Touch "Phone Book" to display the "Phone Book Management" screen.



You can change the detail settings of phone book.

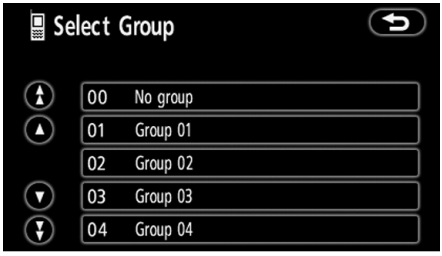
- **Transferring a telephone number**

You can transfer the telephone numbers in your Bluetooth® phone to the system. Up to 1000 person's data (up to 2 numbers a person) can be registered in the phone book.

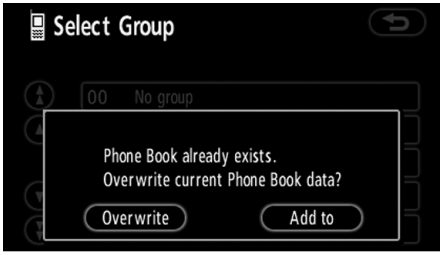
Transfer it while the engine is running.



1. Touch "Transfer Data" to display the "Select Group" screen.



2. Select the group you want to transfer to.



3. Touch "Overwrite" or "Add to".

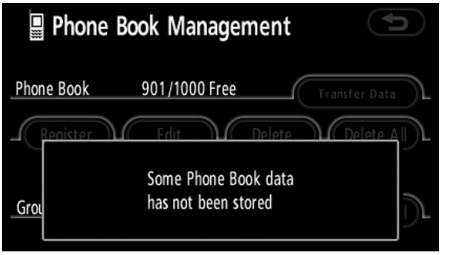


4. Transfer the phone book data to the system using the Bluetooth® phone.

This screen appears while transferring. To cancel it, touch **"Cancel"**. If the transferring is interrupted on the way, the phone book data transferred until then can be memorized in the system.



5. When this screen is displayed, the transfer is completed.



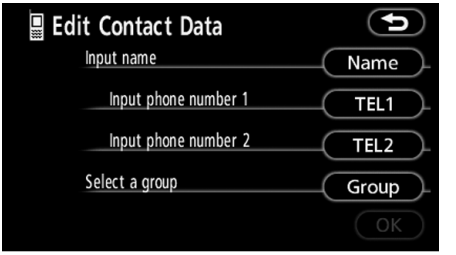
When this screen is displayed, try the transfer operation again. If the number of people to be registered exceeds 1000, delete unnecessary data and try again.

- **Registering the phone book data**

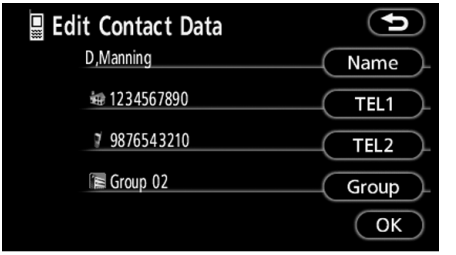
You can register the phone book data.



1. Touch "Register" of "Phone Book".



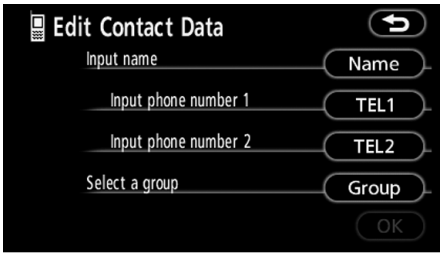
2. Touch the desired touch screen button to edit the phone book.



3. When you complete the edit, touch "OK".

- **Editing the name**

When you don't input the name, the number is displayed.



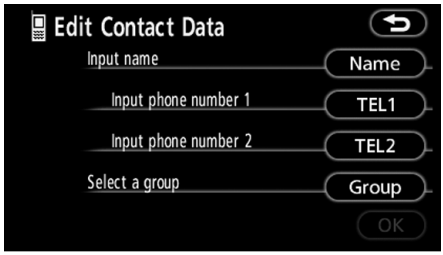
1. Touch "Name".



2. Use the software keyboard to input the name.

- **Editing the phone number**

You can register the phone number in "TEL1" and "TEL2" separately. Up to 2 numbers a person can be registered.



1. Touch "TEL1" or "TEL2".



2. Input the number and touch "OK".



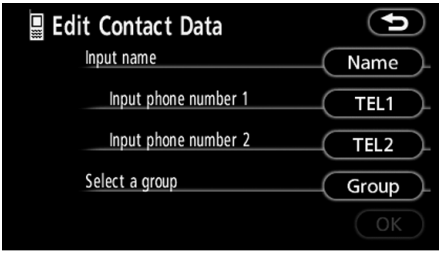
3. Select the desired icon.

- **Selecting the group**

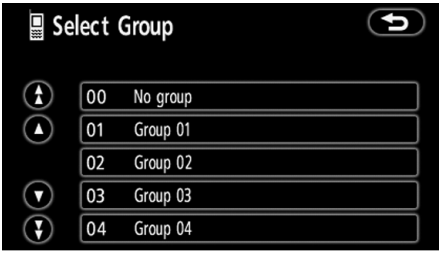
You can set a group for a contact (for example: "Family", "Friends", "Office"...). It will then be easier for you to find this contact when needed, by using the group display.

You can select "No group" or "Group 01" to "Group 19".

"No group" is displayed if you don't set the group.



1. **Touch "Group".**



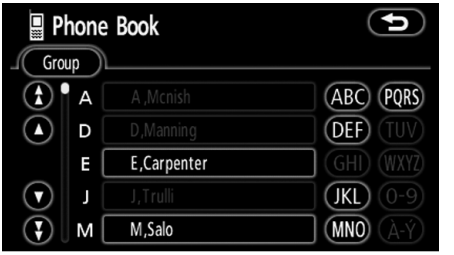
2. **Select the desired group.**

- **Adding the data to the phone book**

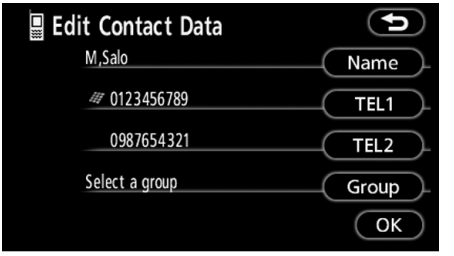
You can add data to the phone book.



1. **Touch "Add to".**



2. **Select the data you want to add log data to.**



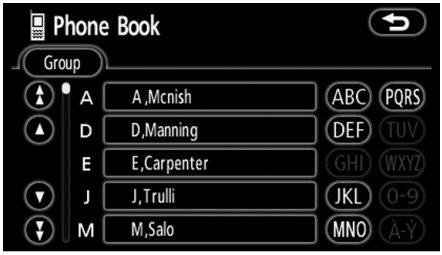
3. **Confirm the added data on the screen and touch "OK".**

- **Editing the data**

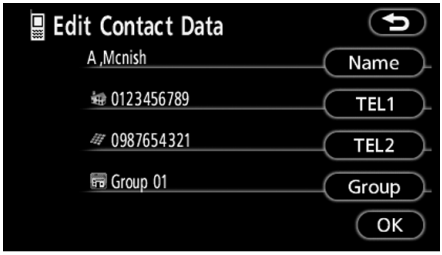
You can edit the registered data.



1. Touch "Edit".

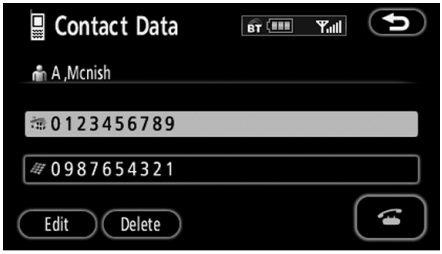


2. Select the data you want to edit.



3. Touch the desired touch screen button.

When you edit the data, touch **"OK"**.



When you also touch "Edit" on this screen, you can edit it.

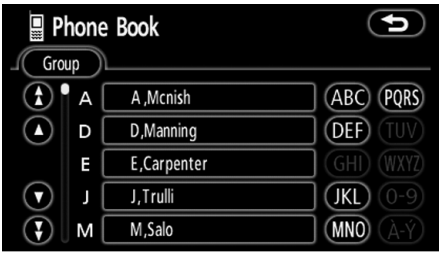
- **Deleting the data**

You can delete the data.

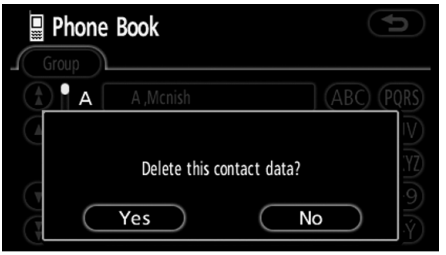
When you release your car, delete all your data on the system.



1. Touch “Delete” of “Phone Book”.



2. Touch the desired touch screen button.

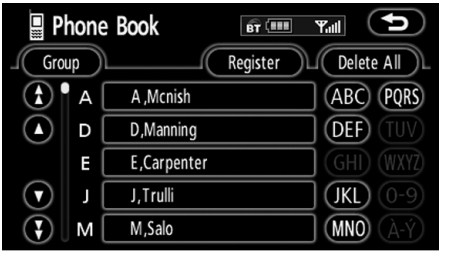


3. Touch “Yes”.

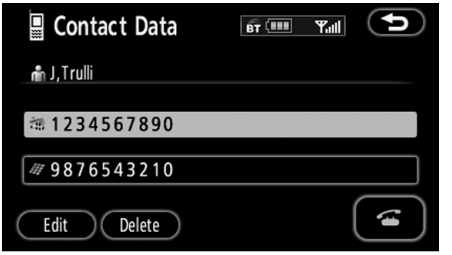
You can also delete it in the following way.



1. Touch “Phone Book”.



2. Select the desired data.



3. Touch “Delete”.



4. Touch “Yes”.

- **Deleting all the phone data**



1. Touch “Delete All” of “Phone Book”.



2. Select the deleting method.

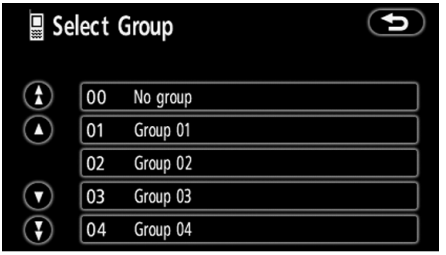
“Group Data”

.....Deleting all the phone data in group.

“All Contact Data”

.....Deleting all the phone data.

3. When you select “Group Data”, the “Select Group” screen is displayed.



4. Select the desired group.

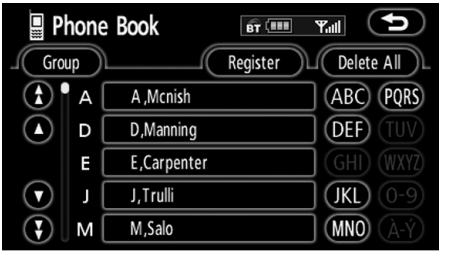


5. Touch “Yes”.

You can also delete it in the following way.



1. Touch “Phone Book”.



2. Touch “Delete All”.



3. Touch “Yes”.

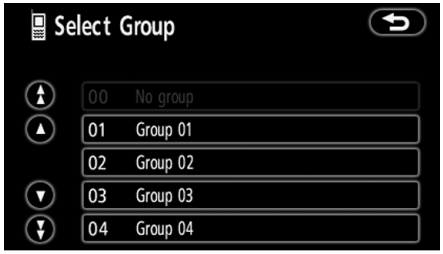
- **Registering a group name**

You can register 20 groups. "No group", "Group 01" - "Group 19" is registered by default.

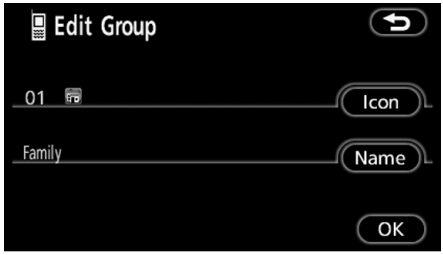
You can change **"Group 01" - "Group 19"** into desired names.



1. Touch "Register" of "Group Name".

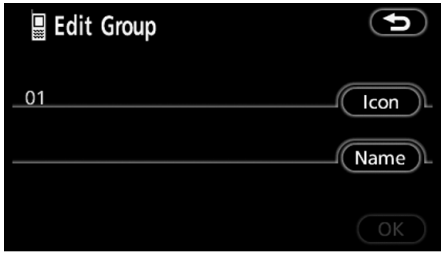


2. Select the group you want to register.

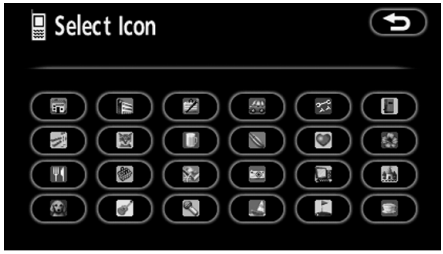


3. When you complete all the edit, touch "OK".

- **Selecting a group icon**

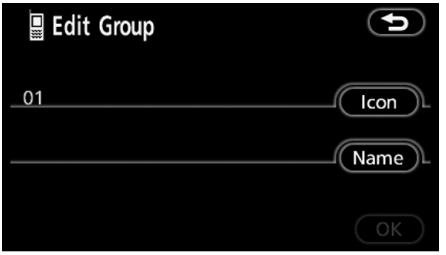


1. Touch "Icon".



2. Select the desired icon.

- **Editing a group name**



1. Touch “Name”.



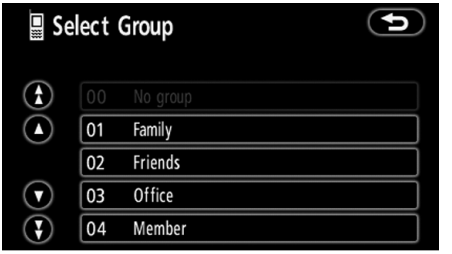
2. Use the software keyboard to input the name.

- **Deleting a group name**

You can delete the group names individually or all at once. If you delete a group name, that group will return to the default setting (excluding “No group”).



1. Touch “Delete” of “Group Name”.



2. Select the group you want to delete the name of.



3. Touch “Yes”.

- **Deleting all the group name**



1. Touch "Delete All" of "Group Name".



2. Touch "Yes".

- **Deleting the log data**

You can delete the log data individually or all at once.

When you release your car, delete all the data on the system.

INDIVIDUALLY

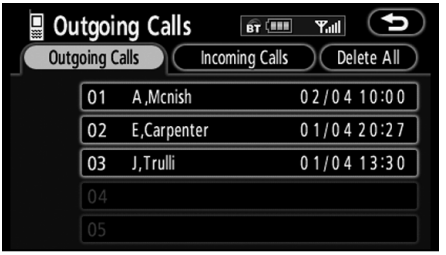


1. Touch "Delete" on the "Log Data" screen.



2. Touch "Yes".

ALL AT ONCE



1. Touch "Delete All" on the "Outgoing Calls" or "Incoming Calls" screen.



2. Touch "Yes".

(f) Setting the security

When you set the security, you can prevent people from using some functions of the hands-free system. It is useful when you leave your car with the hotel or you don't want others to see the data you registered.

When you set or unlock the security, you have to input the security code. Be sure to change the default code when you use the security for the first time.

- **Changing the security code**

The security code is 4 digits and the default is “0000”.

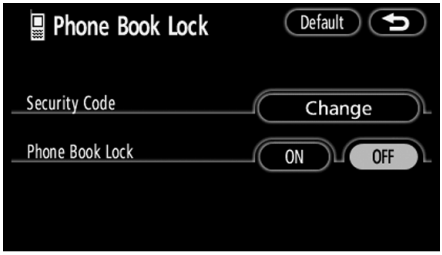
Change a new code that is hard for other people to know.

When you change the security code, don’t forget the code. The dealers cannot unlock the security when you forget it.

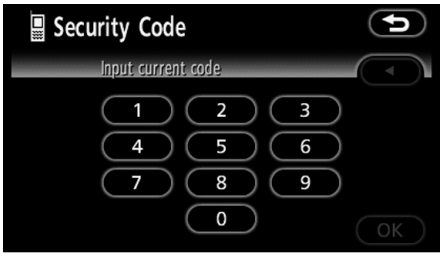
If you forget the security code, initialize your personal data. When you initialize it, not only the phone book data but also the memory points in the navigation system, etc. will be deleted. (See “● Initializing the security code” on page 167.)



1. Touch “Phone Book Lock”.

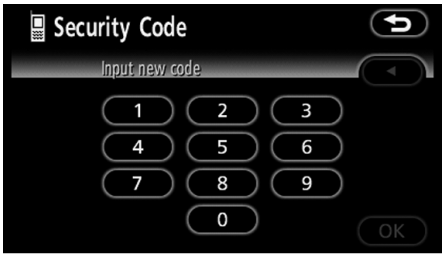


2. Touch “Change”.

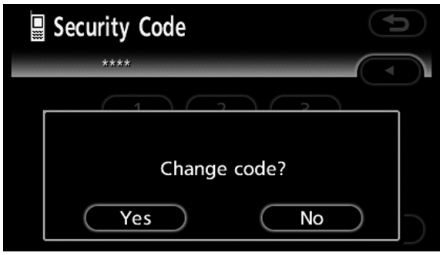


3. Input the current code.

Each time you touch◄, an inputted digit is deleted.



4. Input a new code.



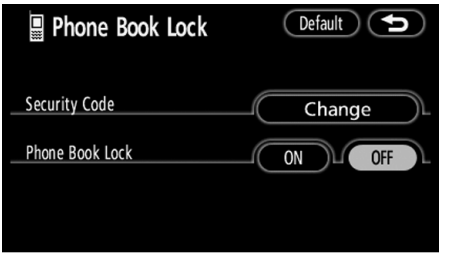
5. Touch “Yes”.

- **Phone book Lock**

When you set the phone book lock, you can have the following functions locked.

- Display of the phone book screen and transferring, registering, editing, deleting the phone book data.
- Display of speed dial screen, registering, deleting the speed dial and speed dialing.
- Display of the other party's name for calls being received or made.
- Display of dialed numbers screen and received calls screen, deleting dialed numbers and received numbers.
- Display of phone information screen.
- Changing the security code.

When you set this function, the speed dial screen is not displayed while you are driving.



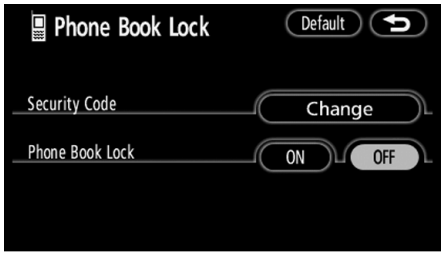
1. Touch "ON".



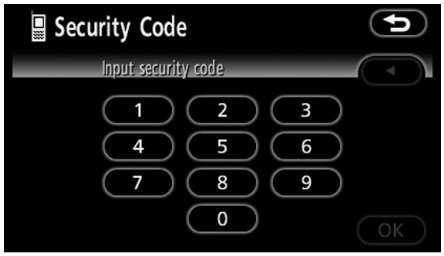
2. Input the security code and touch "OK".

- **Initializing the security code**

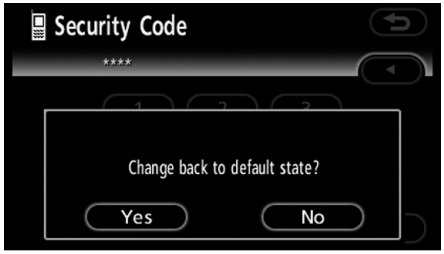
You can initialize the settings.



1. Touch “Default”.



2. Input the security code and touch “OK”.



3. Touch “Yes”.

— Set a Bluetooth® phone

- **Selecting a Bluetooth® phone**

In case you register more than one Bluetooth® phone, you need to choose a favorite one.



1. Touch “Settings” to display the “Settings” screen.

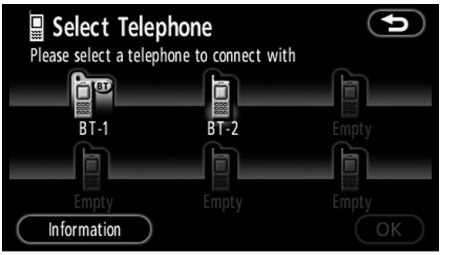


2. Touch “Select Telephone” to display the “Select Telephone” screen.

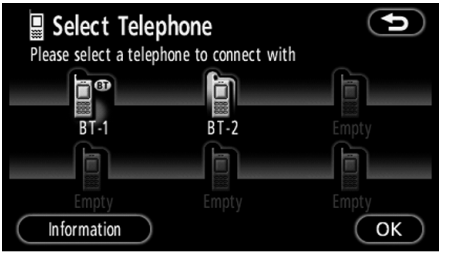
You can select the Bluetooth® phone from a maximum of 6 numbers.

"Empty" is displayed when you have not registered a Bluetooth® phone yet.

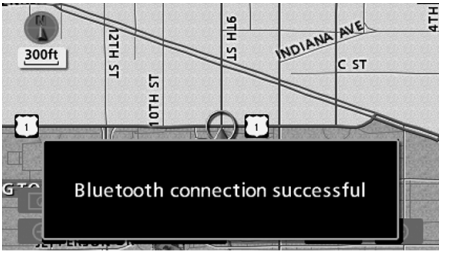
Bluetooth® mark is displayed when you choose the phone.



Although you can register up to 6 Bluetooth® phones in the system, only one Bluetooth® phone can function at a time.



3. Touch "OK".



When the result message is displayed, you can use the Bluetooth® phone.

When another Bluetooth® phone is trying to connect, this screen is displayed.



Touch "Yes" or "No".

- **Displaying Bluetooth® information**

You can see or set the information of the Bluetooth® phone on the system.

"Device Name"

..... The name of Bluetooth® phone which is displayed on the screen. You can change it into a desired name.

"Bluetooth* Device Address"

..... The address peculiar to the system. You cannot change it.



1. Select the desired phone and touch "Information".

*: Bluetooth is a registered trademark of Bluetooth SIG. Inc.



2. When you complete confirming it, touch .

- **Changing a device name**

You can change a device name. If you change a device name, the name registered in your cellular phone is not changed.



1. Touch “Change”.



2. Use the software keyboard to input the device name.

- **Changing the Bluetooth® settings**

You can change the display and settings of Bluetooth® information on the system.

The information displays the following items.

“Device Name”

..... The name in the Bluetooth® network. You can change it.

“Passcode”

..... The password when you register your cellular phone in the system. You can change it into the figure of 4-8 digits.

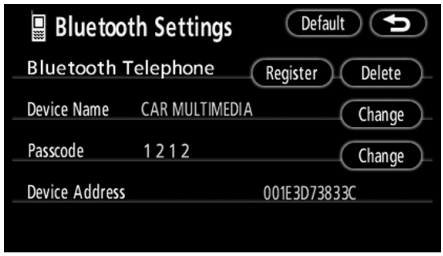
“Device Address”

..... The address peculiar to the system. You can not change it. If you have registered two Bluetooth® phones with the same device name or passcode and you cannot distinguish one from the other, refer to it.

When you change the device name or passcode, do the followings.



1. Touch "Bluetooth*".



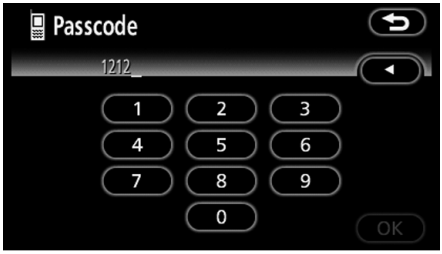
2. Touch "Change" of "Device Name" or "Passcode".

*: Bluetooth is a registered trademark of Bluetooth SIG. Inc.



3. Use the software keyboard to input the device name.

You can input up to 20 characters.

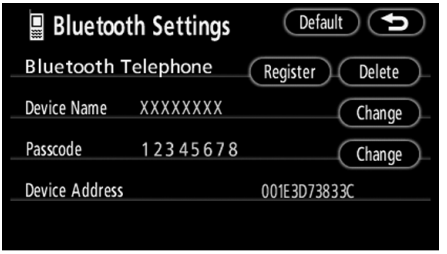


4. Input a passcode with 4 - 8 digits.

When you touch ◄, the input number is deleted.

- **Initializing the Bluetooth® settings**

You can initialize the settings.

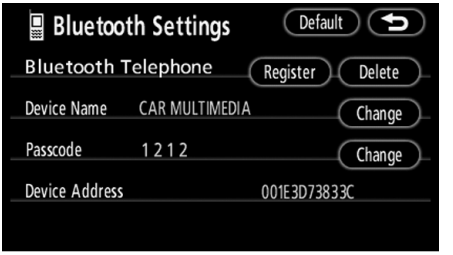


1. Touch “Default”.



2. Touch “Yes”.

- **Deleting a Bluetooth® phone**



1. Touch “Delete” of “Bluetooth* Telephone”.



2. Select the telephone you want to delete and touch “OK”.



3. Touch “Yes”.

*: Bluetooth is a registered trademark of Bluetooth SIG. Inc.

- **Displaying the information of the Bluetooth® phone you delete**

You can display the information of the Bluetooth® phone before you delete it and you can make sure whether the telephone you delete is correct or not.



1. Select the telephone you want to display the information about.



2. When you complete confirming it, touch .

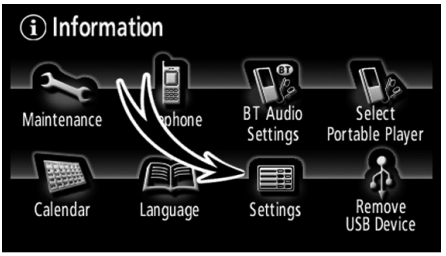
Screen adjustment

The brightness and the contrast of the screen can be adjusted depending on the brightness of your surroundings. You can also turn the display off. To adjust the screen, see "● Brightness and contrast adjustment" on page 191.

INFORMATION
If the display is adjusted when the navigation screen is displayed, the audio function button display screen will also be adjusted.

Settings

1. Push the “INFO” button.



2. Touch “Settings”.

(a) Screen priority

You can select a function that enables automatic return to the navigation screen from the audio screen.



Select “Navi” or “Audio” and then touch “OK”.

“Navi”: The navigation screen automatically returns from the audio screen 20 seconds after the end of audio screen operation.

“Audio”: The audio screen remains on.

(b) Beep type

The beep sound type can be changed or switched off.



Select "Off", "1", "2" or "3" and then touch "OK".

You can select the desired beep sound type by touching the appropriate number.

If no beep sound is needed, touch **"OFF"** to disable the feature.

When selected, the number or **"OFF"** will be highlighted.

(c) Switch color

You can select the color of the touch screen buttons.

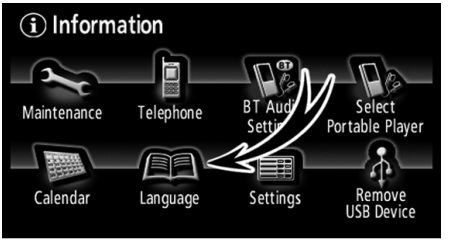


Select "Amber" or "Green" and then touch "OK".

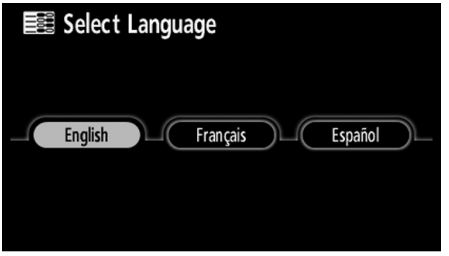
Select language

The language of the touch screen buttons, pop−up messages and the voice guidance can be changed.

1. Push the “INFO” button.



2. Touch “Language”.



3. Touch “English”, “Français” or “Español” to select a language.

The language is changed and the screen returns to the map display.

Rear view camera system

A commercially available rear view camera can be used by connecting it to the RCA Relay Cable's RCA terminals.

For further information and operation procedures, refer to the device's manual.

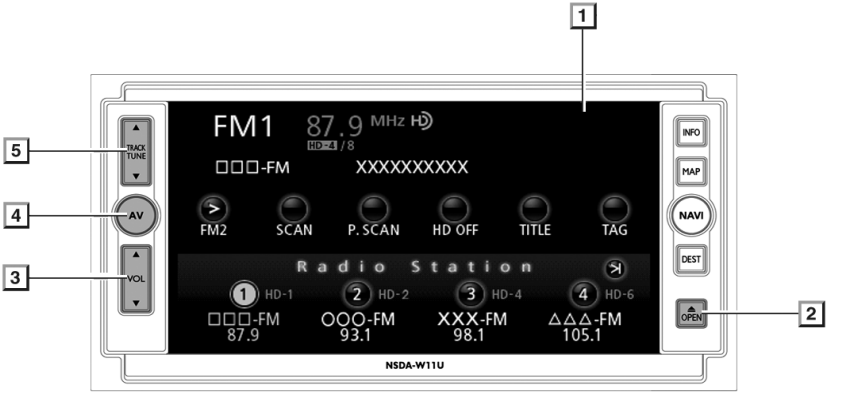
NOTICE
When connecting a rear view camera, always use the vehicle wire harness's ACC connector as the power source. The rear view camera may not work properly if any other power source is used.

SECTION 6

AUDIO/VIDEO SYSTEM

- Quick reference 178
- **Using your audio/video system** 179
  - Some basics 179
  - Screen adjustment 191
  - Radio operation 193
  - CD player operation 202
  - DVD player operation 210
  - USB player operation 224
  - Bluetooth® audio operation 231
  - AUX operation 245
  - iPod operation 247
  - Video operation 256
- Audio/video remote controls 257
- Audio/video system operating hints 259

Quick reference



1 **Function button display screen**
Touch the touch screen buttons displayed on the screen to control the radio, CD/DVD player, USB player, Bluetooth® audio, AUX, iPod or Video. For details, see page 181.

2 **"⏏ OPEN" button**
Push this button to open and close the display, adjust the angle of the display, and eject discs. For details, see page 180.

3 **"VOL" button**
Push **"▲"** or **"▼"** button of **"VOL"** to adjust the volume. For details, see page 180.

4 **"AV" button**
Push this button to display the "AV Menu" screen. For details, see page 181.

5 **"TRACK/TUNE" button**
Push the **"▲"** or **"▼"** button of **"TRACK/TUNE"** to move up or down the frequency, track, file or chapter.
Push and hold the **"▲"** or **"▼"** button of **"TRACK/TUNE"** to seek up or down for a station.
For details, see pages 194, 199, 203, 206, 214, 227, 239 and 252.

Using your audio/video system — — Some basics

Vehicles with smart entry and start system—

Your audio/video system works when the "ENGINE START STOP" switch is in the ACCESSORY or IGNITION ON mode.

Vehicles without smart entry and start system—

Your audio/video system works when the engine switch is in ACC or ON position.

NOTICE

To prevent the battery from being discharged, do not leave the audio/video system on longer than necessary when the engine is not running.

FCC ID: XEMNA08A02
IC ID: 8192A-NA08A02
MADE IN JAPAN

This device complies with Part 15 of the FCC Rules and RSS−210 of industry Canada. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

⚠CAUTION

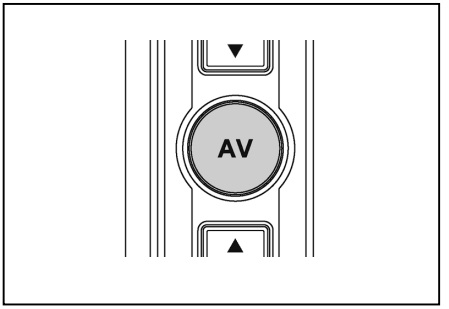
- **Part 15 of the FCC Rules**

  FCC Warning:

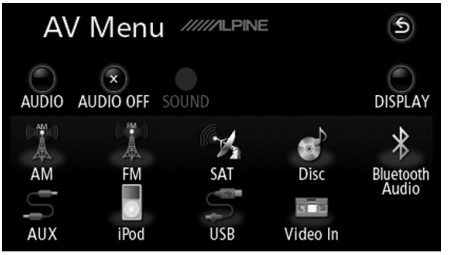
  Changes or modifications in construction not expressly approved by AISIN AW Co., Ltd for compliance could void the user's authority to operate the equipment. Radio frequency exposure. This device is approved for Mobile Application only and, to comply with applicable FCC radio frequency exposure regulations, must be used with a distance of at least 7.9 in. (20 cm) between the antenna and the body of any person at all time during use.

- **Laser products**
  - **Do not take this unit apart or attempt to make any changes yourself. This is an intricate unit that uses a laser pickup to retrieve information from the surface of compact discs. The laser is carefully shielded so that its rays remain inside the cabinet. Therefore, never try to disassemble the player or alter any of its parts since you may be exposed to laser rays and dangerous voltages.**
  - **This product utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.**

- **Turning on the power**



1. Push the "AV" button.



2. Turn on the power by touching any one of the audio mode touch screen buttons.

You can select the function that enables automatic return to the previous screen from the audio screen. See "(a) Screen priority" on page 174 for details.

- **Turning off the power**

Push the "AV" button and touch "AUDIO OFF" to turn off the power.

- **Adjusting the volume**

Push "▲" or "▼" button of "VOL" to adjust the volume.

- **Inserting or ejecting disc**

Vehicles with smart entry and start system—

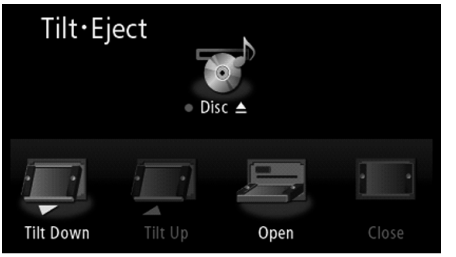
The "ENGINE START STOP" switch must be in the ACCESSORY or IGNITION ON mode.

Vehicles without smart entry and start system—

The engine switch must be set at ACC or ON position.

INSERTING A DISC

1. Push the "⏏ OPEN" button.



2. Touch "Open".

3. Insert a disc.

The disc is loaded automatically.

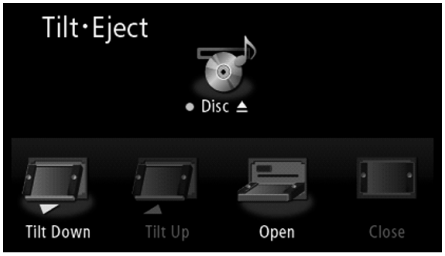
4. Touch "Close".



If the label faces down, the disc cannot be played. In this case, "Check Disc" appears on the screen.

EJECTING A DISC

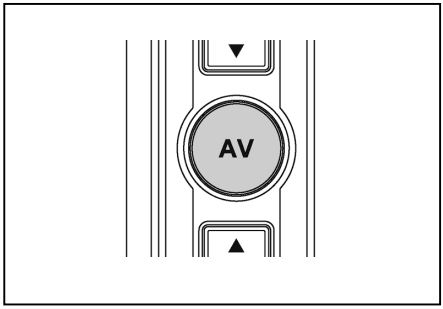
1. Push the "⏏ OPEN" button.



2. Touch "Disc ⏏".

The disc will be ejected. A disc can then be inserted.

- **Switching between functions**



1. Push the "AV" button.

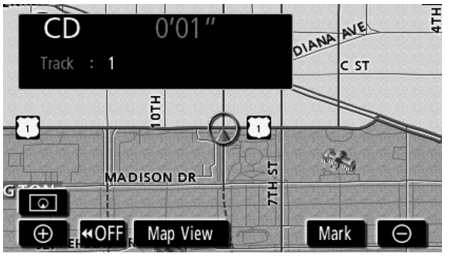


2. Touch the desired mode touch screen button.

Touch these touch screen buttons if you want to switch from one mode to another.

Changing modes to Satellite Radio, Bluetooth® audio, AUX, iPod, USB or Video is not possible unless they are connected.

If the disc is not loaded, the "CD" or "DVD" screen will not appear.



The selected audio mode will display on the screen.

The touch screen button of the currently selected audio mode is highlighted.

Push the **"AV"** button and touch **"AUDIO"** to display the respective audio mode operation screen.

You can turn off the CD/DVD player by ejecting the disc. If the audio/video system was previously off, then the entire audio/video system will be turned off when you eject the disc. If another function was previously playing, it will come on again.

OPERATION SCREEN



► **AM radio mode**



► **FM radio mode**



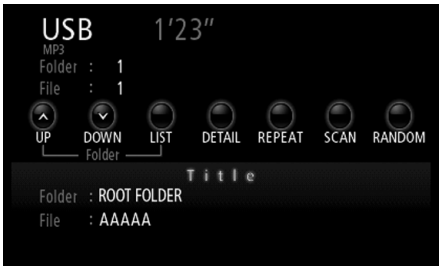
► **Satellite radio mode**



► **CD mode**



► **DVD mode**



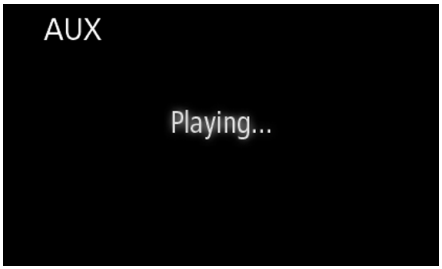
► **USB mode**



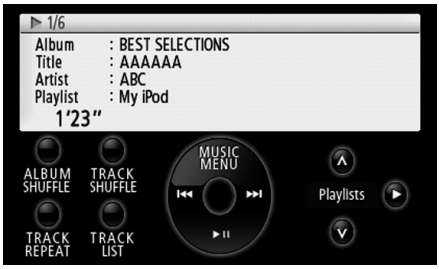
► **Bluetooth® audio mode**



► **Video mode**



► **AUX mode**



► **iPod mode**

The touch screen buttons for radio, CD/DVD player, USB player, Bluetooth® audio, AUX, iPod and Video operation are displayed on the function button display screen when the audio operation mode is selected.

Touch them lightly and directly on the screen.

The selected touch screen button is highlighted.

INFORMATION

- ***If the system does not respond to a touch of a touch screen button, move your finger away from the screen and then touch it again.***
- ***You cannot operate dimmed touch screen buttons.***
- ***Wipe off fingerprints on the surface of the display using a glass cleaning cloth.***

- **Sound menu screen display**

The sound quality inside the cabin will be altered greatly by such factors as the type of media or music used, and the vehicle body type. This system allows you to set the most appropriate sound quality to suit these factors.

1. Push the “AV” button.



2. Touch “SOUND”.



3. Touch the desired touch screen button.

Settings such as the following can be made from the **"Sound"** screen.

The tone of each mode (for such as AM, FM and CD player) can be adjusted.

"P.EQ": Allows the previously set equalizer curve to be adjusted and the preferred equalizer curve to be created. (See page 185.)

"SSP": The optimum acoustic environment can be created by setting vehicle information. (See page 187.)

"Auto Vol": Detects the vehicle speed and adjusts the volume accordingly. (See page 188.)

"Focus": Allows the time taken for the sound to reach the listener's ear from each speaker to be adjusted. (See page 188.)

"FAD BAL": Allows the front, rear, left, and right volume balance to be adjusted. (See page 189.)

"Sub Woofer": Allows the subwoofer output level and phase control to be set. (See page 189.)

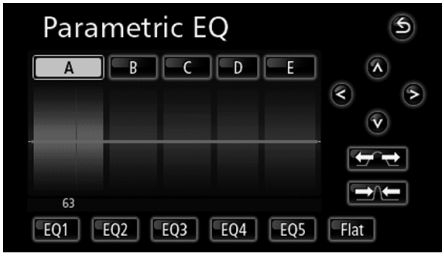
- **P.EQ (Parametric Equalizer) adjustments**

The parametric equalizer can be adjusted to the preferred sound quality based on a variety of music genres and sources.

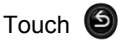
ADJUSTING THE SOUND QUALITY

The currently set equalizer curve can be selected and set to the preferred sound quality.

1. Touch "P.EQ" to display the "Parametric EQ" screen.



2. Touch the touch screen button to select the desired sound quality mode, from the list written below.

Touch  when settings are complete.

EQ 1: POP

EQ 2: ROCK

EQ 3: JAZZ

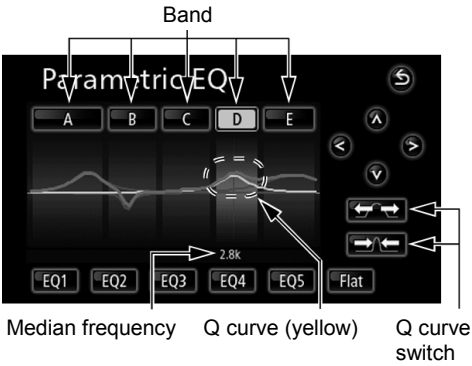
EQ 4: CLASSICAL

EQ 5: VOCAL

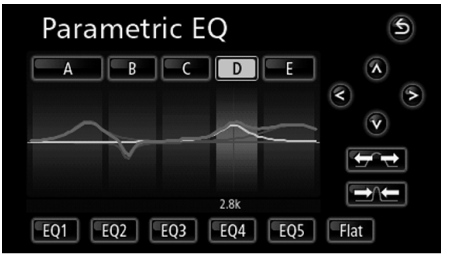
Flat: No EQ offset

ADJUSTING AND STORING THE EQ CURVE

Allows the equalizer curve to be adjusted to a sound quality other than the currently set equalizer curve and then stored in the memory.



1. Touch the band from "A" to "E" to adjust it.



2. Touch ⟨ or ⟩ to adjust the frequency of the band.

3. Touch ∧ or ∨ to adjust the level of the band.

4. Touch the Q curve switch to adjust the Q curve (bandwidth).

The Q curve can be adjusted to three phases.

: Widens the Q curve (bandwidth)

: Narrows the Q curve (bandwidth)

5. Repeat steps 1 to 4 for each band from "A" to "E".

6. Touch the switch to be stored in the memory from "EQ 1" to "EQ 5" until a beep sounds.

By touching **"Flat"** until a beep sounds, it is possible to return the stored equalizer curve to the originally setting.

Touch ↩ when settings are complete.

- **SSP (SCION Sound Processing) settings**

SSP is a modified DSP (Digital Signal Processing) system that provides a customized sound for your vehicle. You can select from the modes below.

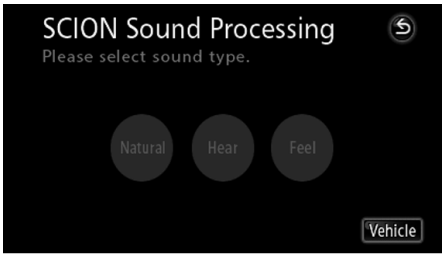
"Natural": A subdued sound that does not interfere with conversations.

"Hear": A powerful, energetic, "live" sound.

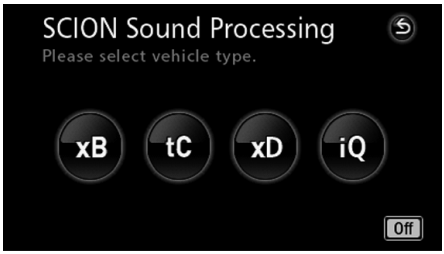
"Feel": Player's sound −> reproduces the sound on the stage that musicians hear.

For more details, please visit the SCION Web site at http://www.scion.com/.

1. Touch "SSP" to display the "SCION Sound Processing" screen.



2. Touch "Vehicle".



3. Touch vehicle type.

Touch **"Off"** to cancel the SSP settings and return to the **"Sound"** screen.



4. Touch sound type.

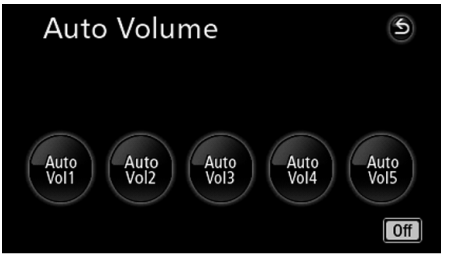
Touch when settings are complete.

When SSP has been determined, the system is automatically set to the optimum EQ value.

- **Auto volume adjustment (Auto Volume)**

The volume can be set to increase automatically to match road noise, which varies based on the driving speed.

1. Touch "Auto Vol" to display the "Auto Volume" screen.



2. Touch "Auto Vol 1" to "Auto Vol 5".

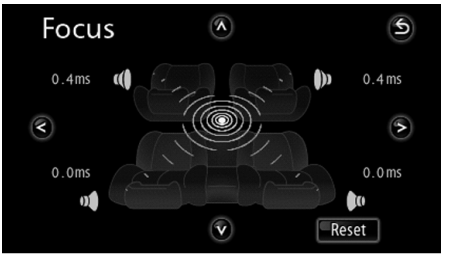
Touch **"Off"** to clear the settings.

Touch when settings are complete.

- **Sound travel time adjustment (Focus)**

It is possible to offset the variations in sound travel time that occur due to differences in distance, by adjusting the time allowed for sound to reach the listener's ears.

1. Touch "Focus" to display the "Focus" screen.



2. Touch the preferred point.

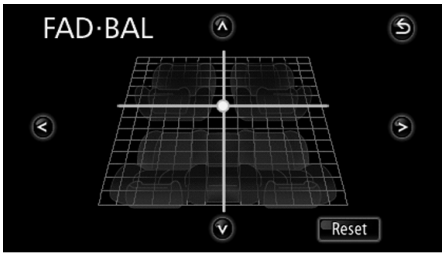
Touch , , , or to make fine adjustments.

Touch **"Reset"** to clear the setting.

- **Volume balance adjustments (FAD BAL)**

By individually adjusting the volume balance for the front, rear, left, and right speakers, it is possible to enhance the sound from distant speakers.

1. Touch "FAD BAL" to display the "FAD·BAL" screen.



2. Touch the preferred balance point.

Touch , , , or to make fine adjustments.

Touch **"Reset"** to clear the setting.

- **Subwoofer settings**

The preferred output level for the audio when a subwoofer is connected can be set.

1. Touch "Sub Woofer" to display the "Subwoofer" screen.



Touch "On" of "Subwoofer" and adjust the "Phase Control" and "Level".

"Normal": Sound will be output from the subwoofer and the speakers simultaneously.

"Reverse": Sound will be output from the subwoofer at a different time to the speakers.

: Decreases level.

: Increases level.

- **Your CD/DVD player**

When you insert a disc, insert it with the label side up. The CD/DVD player will play from track 1 through to the end of the disc. Then it will play from track 1 again.

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

The player is intended for use with 12 cm (4.7 in.) discs only.

- **Apple Composite AV cable**

Using an Apple Composite AV Cable allows iPod video files to be played. For details, see page 256.

- **Rear Seat LCD Monitor**

A commercially available Rear Seat LCD Monitor can be used by connecting it to the RCA Relay cable's RCA terminals.

For further information and operation procedures, refer to the device's manual.

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Rovi Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Rovi Corporation. Reverse engineering or disassembly is prohibited.

- **External amplifier**

A commercially available external amplifier can be connected to the RCA Relay cable's RCA terminal to enable the use of subwoofers etc.

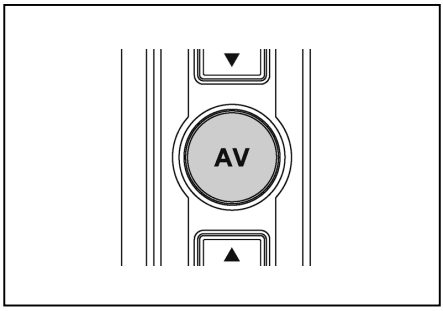
For further information and operation procedures, refer to the device's manual.

— Screen adjustment

You can adjust the brightness, contrast, tone and color of the screen. You can also turn the display off, and change the screen to either day or night mode.

- **Brightness and contrast adjustment**

The brightness and contrast of the screen can be adjusted depending on the brightness of your surroundings. You can also turn the display off.



1. Push the "AV" button.



2. Touch "DISPLAY".



3. Select the desired button to adjust brightness and contrast.

"Brightness" " (brightens)": Brightens the screen.

"Brightness" " (darkens)": Darkens the screen.

"Contrast" " (strengthens)": Strengthens the contrast of the screen.

"Contrast" " (weakens)": Weakens the contrast of the screen.

4. After adjusting the screen, touch "OK".

The screen goes off when **"Screen Off"** is touched. To turn the display screen back on, push any button such as **"AV"**, etc. The selected screen appears.

INFORMATION
When you do not touch any touch screen button on the "Display" screen for 20 seconds, the previous screen will be displayed.

- **Tone and color adjustment**

The tone and color of the screen can be adjusted while a DVD video, iPod Video file or Video is being played.

1. Push the "AV" button to display the "AV Menu" screen and touch "DISPLAY".



2. Select the desired button to adjust tone and color.

"Tone" "(strengthens)": Strengthens the tone of the screen.

"Tone" "(weakens)": Weakens the tone of the screen.

"Color" "(green)": Strengthens the green color of the screen.

"Color" "(red)": Strengthens the red color of the screen.

3. After adjusting the screen, touch "OK".

The screen goes off when **"Screen Off"** is touched. To turn the display screen back on, push any button such as **"AV"**, etc. The selected screen appears.

INFORMATION
When you do not touch any touch screen button on the "Display" screen for 20 seconds, the previous screen will be displayed.

- **Changing between day mode and night mode**

Depending on the position of the headlight switch, the screen changes to the day mode or night mode.



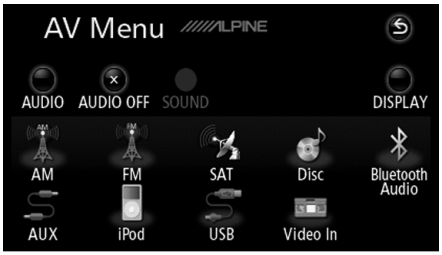
To display the screen in the day mode even with the headlight switch on, touch "Day Mode" on the adjustment screen for brightness and contrast control.

If the screen is set in the day mode with the headlight switch turned on, this condition is memorized in the system even with the engine turned off.

— Radio operation

- **Listening to the radio**

1. Push the "AV" button.



2. Touch these touch screen buttons to choose either an AM or FM station.

"AM", "FM1" or "FM2" appears on the screen.

Push the **"AV"** button and touch **"AUDIO"** to display the radio operation screen.

Changing between FM1 and FM2: Touch "FM1" or "FM2" on the screen.

Your radio can receive terrestrial digital broadcasts. When terrestrial digital broadcasts are received, FM reception has the same quality as a CD, and AM reception has the same quality as conventional FM sound. Depending on the reception status, HD Radio™ receiver can also receive analog broadcasts, which means reception is still possible in regions with no digital coverage.

HD Radio®

HD Radio™ Technology Manufactured Under License From iBiquity Digital Corporation. U.S. and Foreign Patents. HD Radio™ and the HD and HD Radio logos are proprietary trademarks of iBiquity Digital Corp.

- **Presetting a station**



1. Tune in the desired station.

2. Touch one of the channel selector touch screen buttons (1 — 8) you want and hold it until a beep is heard.

This sets the station to the touch screen button and the frequency appears on the touch screen button.

Each radio mode can store up to 8 stations. To change the preset station to a different one, follow the same procedure.

The preset station memory is cancelled when the power source is interrupted by battery disconnection or a blown fuse.

- **Selecting a station**

Tune in the desired station using one of the following methods.

Preset tuning: Touch the channel selector (1 — 8) for the station you want. The touch screen button is highlighted and the station frequency appears on the screen.

Frequency adjustment: Push the **"▲"** or **"▼"** button of **"TRACK/TUNE"** to increase or decrease the frequency.

Seek tuning: Push and hold the **"▲"** or **"▼"** button of **"TRACK/TUNE"**. The radio will begin seeking up or down for a station of the nearest frequency and will stop when a station is received. Each time the button is pushed, the next available station will be played.

To scan all the frequencies: Touch **"SCAN"** on the screen. The radio will find the next station and stay there for a few seconds, and then scan again. To select a station, touch **"SCAN"** again.

To scan the preset stations: Touch **"P.SCAN"** on the screen. The radio will tune in the next preset station, stay there for a few seconds, and then move to the next preset station. To select a station, touch **"P.SCAN"** again.

- **Listening to HD Radio Broadcasts**



Touch "HD ON".

When the HD Radio signal is being received, the sub channel number and the total number of sub channels are displayed on the upper side of the display. Push the **"▲"** or **"▼"** button of **"TRACK/TUNE"** to change between sub channels. The reception status mark is displayed at the top of the display.

Displayed: Normal reception.

Blinking: Weak reception.

Not displayed: No reception.

If a HD Radio signal with broadcast information is received, touching **"TITLE"** will display the album name, song title and artist name.

- **Using iTunes Tagging**



Touch "TAG".

iTunes Tagging can be used when the HD Radio signal is being received and a song with Tag data is broadcast.

Touching **"TAG"** while a song is being played on HD Radio stores information about that song, allowing it to be purchased through iTunes. Tag data for up to 50 songs can be stored in the vehicle's audio system.

When an iPod or iPhone is connected to the vehicle's audio system, the Tag data will be moved to the iPod or iPhone. The Tag data will then automatically be erased from the vehicle's audio system.

When the recorded Tag data on the iPod or iPhone is synced with a computer, the tagged songs will appear in a Tagged playlist in iTunes. These tagged songs can then be previewed and purchased.

For details, refer to the relevant User's Guide.

INFORMATION

- ***iTunes Tagging is compatible with iTunes version 7.4 or later. For compatible iPods and iPhones, see "● Supported iPods" on page 255.***
- ***If the Tag data cannot be moved to your iPod or iPhone, reconnect your iPod or iPhone and try again.***
- ***iPod and iTunes are trademarks of Apple Inc., registered in the U.S. and other countries.***
- ***iPhone is a trademark of Apple Inc.***

— Radio operation (XM® Satellite Radio broadcast)

To listen to a satellite radio broadcast in your vehicle, an additional genuine Toyota satellite receiver and antenna must be purchased and installed, and the subscription to the XM® Satellite Radio is necessary.

- **How to subscribe to an XM® Satellite Radio**

An XM® Satellite Radio is a tuner designed exclusively to receive broadcasts provided under a separate subscription. Availability is limited to the 48 contiguous states and 10 Canadian provinces.

How to subscribe:

You must enter into a separate service agreement with the XM® Satellite Radio in order to receive satellite broadcast programming in the vehicle. Additional activation and service subscription fees apply that are not included in the purchase price of the vehicle and optional digital satellite tuner.

For detailed information about XM® Satellite Radio or to subscribe:

U.S.A.—

Visit on the web at www.xmradio.com or call 1−800−967−2346.

Canada—

Visit on the web at www.xmradio.ca or call 1−877−438−9677.

The XM® Satellite Radio is solely responsible for the quality, availability and content of the satellite radio services provided, which are subject to the terms and conditions of the XM® Satellite Radio customer service agreement.

Customers should have their radio ID ready; the radio ID can be found by selecting “channel 000” on the radio. For details, see the “Displaying the radio ID” that follows.

All fees and programming are the responsibility of the XM® Satellite Radio and are subject to change.

Satellite tuner technology notice:

Toyota’s satellite radio tuners are awarded Type Approval Certificates from XM® Satellite Radio Inc. as proof of compatibility with the services offered by the XM® Satellite Radio.

- **Displaying the radio ID**

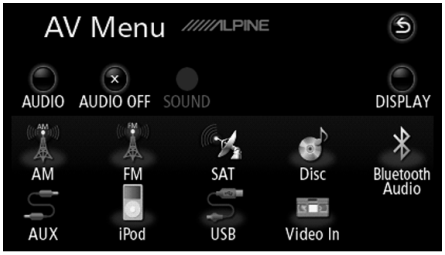
Each XM® tuner is identified with a unique radio ID. You will need the radio ID when activating XM® service or when reporting a problem.

If you select the “CH 000” using the **“▲”** or **“▼”** button of **“TRACK/TUNE”**, the ID code of 8 alphanumeric characters appears. If you select another channel, display of the ID code is canceled. The channel (000) alternates the display between the radio ID and the specific radio ID code.

INFORMATION
Cargo loaded on the roof luggage carrier, especially metal objects, may adversely affect the reception of XM® Satellite Radio.

- **Listening to satellite radio**

1. Push the “AV” button.



2. Touch “SAT”.

Push the **“AV”** button and touch **“AUDIO”** to display the satellite radio operation screen.

- **Changing the band**



The band changes each time “SAT2”, “SAT3”, and “SAT1” is touched.

The band changes sequentially between **“SAT1”**, **“SAT2”**, and **“SAT3”**.

- **Channel category**



Touch either **"CAT 〈"** or **"CAT 〉"** to go to the next or previous category.

- **Presetting a channel**

1. Tune in the desired channel.



2. Touch one of the channel selector touch screen buttons and hold it until a beep is heard.

This sets the channel to the touch screen button and the name and number of the channel appears on the touch screen button.

Each touch screen button can store three SAT channels. To change the preset channel to a different one, follow the same procedure.

The preset channel memory is cancelled when the power source is interrupted by battery disconnection or a blown fuse.

- **Selecting a channel**

Tune in the desired channel using one of the following methods.

Preset tuning: Touch the channel selector button for the channel you want. The touch screen button is highlighted and channel number appears on the screen.

To select channel within the current category: Push the **"▲"** or **"▼"** button of **"TRACK/TUNE"**. The radio will step up or down the receivable channel within the current channel category. If you push and hold the **"▲"** or **"▼"** button of **"TRACK/TUNE"**, the radio will begin seeking up or down for the next receivable channel and will stop when the button is released. Touch either **"CAT SEEK ∧"** or **"CAT SEEK ∨"**. The radio will step up or down the channel within the current channel category.



To scan the currently selected channel category: Touch **"SCAN"** on the screen. The radio will find the next channel in the same channel category, stay there for a few seconds, and then scan again. To select a channel, touch **"SCAN"** again.

To scan the preset channels: Touch **"P.SCAN"** on the screen. The radio will find the next preset channel, stay there for a few seconds, and then move to the next preset channel. To select a channel, touch **"P.SCAN"** again.

- **If the satellite radio tuner malfunctions**

When problems occur with the XM® tuner, a message will appear on the display. Referring to the table below to identify the problem, take the suggested corrective action.

ANTENNA	The XM® antenna is not connected. Check whether the XM® antenna cable is attached securely.
	A short circuit occurs in the antenna or the surrounding antenna cable. See a Toyota certified dealer for assistance.
UPDATING	You have not subscribed to the XM® Satellite Radio. The radio is being updated with the latest encryption code. Contact the XM® Satellite Radio for subscription information. When a contract is canceled, you can choose the “CH000” and all free−to−air channels.
	The premium channel you selected is not authorized. Wait for about 2 seconds until the radio returns to the previous channel or “CH001”. If it does not change automatically, select another channel. If you want to listen to the premium channel, contact the XM® Satellite Radio.
NO SIGNAL	The XM® signal is too weak at the current location. Wait until your vehicle reaches a location with a stronger signal.
LOADING	The unit is acquiring audio or program information. Wait until the unit has received the information.
OFF AIR	The channel you selected is not broadcasting any programming. Select another channel.
_____	There is no song/program title or artist name/feature associated with the channel at that time. No action needed.
___	The channel you selected is no longer available. Wait for about 2 seconds until the radio returns to the previous channel or “CH001”. If it does not change automatically, select another channel.

Contact the XM® Listener Care Center at 1−800−967−2346 (U.S.A.) or 1−877−438−9677 (Canada).

NOTICE

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— Reorient or relocate the receiving antenna.

— Increase the separation between the equipment and receiver.

— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

— Consult the dealer or an experienced radio/TV technician for help.

Information to user

Alternation or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

INFORMATION

This XM® tuner supports "Audio Services" (Music and Talk) of only XM® Satellite Radio and "Text Information"* linked to the respective "Audio Services".

****Text Information includes, Station Name, (Artist) Name, (Song) Title and Category Name.***

— CD player operation

The CD player can play audio CDs, CD text, WMA discs, MP3 discs.

- Audio CD, CD text 203
- MP3/WMA disc 205

For appropriate discs for this player, see “Audio/video system operating hints” on page 259.

(a) Playing a disc



Push the “AV” button and touch “Disc” if an audio CD or MP3/WMA disc is already loaded in the CD/DVD player.

The disc will start playback.

(b) Operating an audio CD

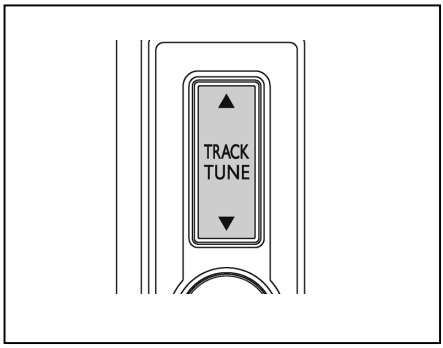
- **Playing an audio CD**



Push the "AV" button and touch "AUDIO" to display this screen.

CD text only — The album title, track title and artist name will appear on the screen.

- **Selecting a desired track**



"▲" or **"▼"** button of **"TRACK/TUNE":** Use for a direct access to a desired track.

Push the **"▲"** or **"▼"** button of **"TRACK/TUNE"** until the desired track number appears on the screen. As you release the button, the player will start playing the selected track from the beginning.

Fast forward: Push the **"▲"** button of **"TRACK/TUNE"** and hold it to fast forward the disc. When you release the button, the player will resume playing from that position.

Reverse: Push the **"▼"** button of **"TRACK/TUNE"** and hold it to reverse the disc. When you release the button, the player will resume playing.

- **Searching for a desired track**



While the disc is playing, touch "SCAN" briefly.

The player will play the next track for 10 seconds, then scan again. To select a track, touch **"SCAN"** once again. If the player reaches the end of the disc, it will continue scanning at track 1.

After all the tracks are scanned in one pass, normal play resumes.

- **Other functions**



"REPEAT": Use it for automatic repeat of the track you are currently listening to.

While the track is playing, touch "REPEAT" briefly.

When the track is finished, the player will automatically go back to the beginning of the track and play the track again. To cancel it, touch the **"REPEAT"** once again.

"RANDOM": Use it for automatic and random selection.

While the disc is playing, touch "RANDOM" briefly.

The system selects a track on the disc being listened to in random order. To cancel it, touch **"RANDOM"** once again.

If a CD-TEXT disc is inserted, the album title, track title and artist name will be displayed.

(c) Operating a MP3/WMA DISC

- **Playing a MP3/WMA disc**



Push the "AV" button and touch "AUDIO" to display this screen.

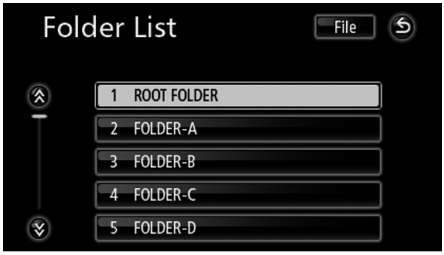
- **Selecting a desired folder**

"UP": Touch this touch screen button to go to the next folder.

"DOWN": Touch this touch screen button to go to the previous folder.

"LIST": The desired folder can be selected in a list.

Touch **"LIST"**. The folder list is displayed.



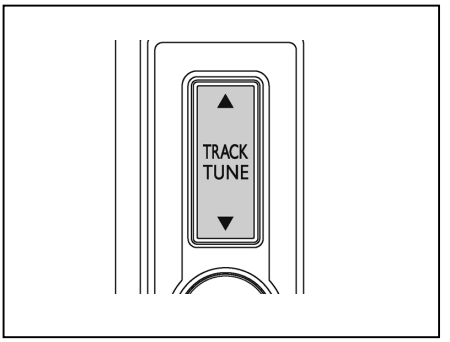
Touch the desired folder number. The player will start playing the first file of the selected folder.

: By touching this touch screen button, the list moves up by 5 folder groups. If this touch screen button is touched when the top page of the list is displayed, the last page is displayed.

: By touching this touch screen button, the list moves down by 5 folder groups. If this touch screen button is touched when the last page of the list is displayed, the top page is displayed.

"File": The file list is displayed.

- **Selecting a desired file**

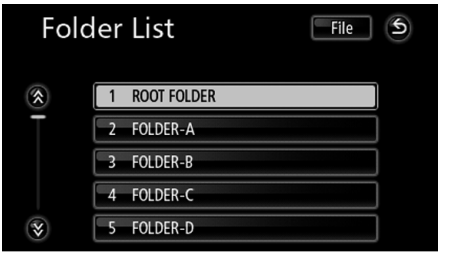


"▲" or **"▼"** button of **"TRACK/TUNE":** Use for direct access to a desired file.

Push the **"▲"** or **"▼"** button of **"TRACK/TUNE"** and repeat until the desired file number appears on the display. As you release the button, the player will start playing the selected file from the beginning.

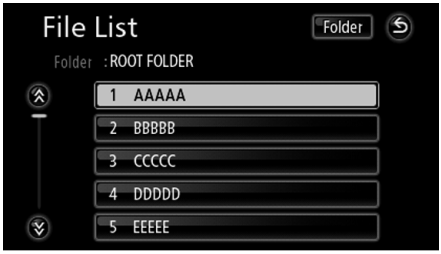
Fast forward: Push the **"▲"** button of **"TRACK/TUNE"** and hold it to fast forward the disc. When you release the button, the player will resume playing from that position.

Reverse: Push the **"▼"** button of **"TRACK/TUNE"** and hold it to reverse the disc. When you release the button, the player will resume playing.



"File": The desired file can be selected in a list.

Touch **"File"**. The file list is displayed.



Touch the desired file number. The player will start playing the selected file from the beginning.

: By touching this touch screen button, the list moves up by 5 file groups. If this touch screen button is touched when the top page of the list is displayed, the last page is displayed.

: By touching this touch screen button, the list moves down by 5 file groups. If this touch screen button is touched when the last page of the list is displayed, the top page is displayed.

"Folder": The folder list is displayed.

- **Searching for a desired file**



While the disc is playing, touch "SCAN" briefly.

"SCAN" appears on the screen. The player will play the next file in the folder for 10 seconds, then scan again. To select a file, touch **"SCAN"** once again. If the player reaches the end of the folder, it will continue scanning from file 1.

After all the files are scanned in one pass, normal play resumes.

- **Searching for a desired folder**



While the disc is playing, touch "SCAN" and hold it until the "F.SCAN" appears on the screen.

The program at the beginning of each folder will be played for 10 seconds. To continue listening to the program of your choice, touch **"SCAN"** once again.

After all the folders are scanned in one pass, normal play resumes.

- **Other functions**



"DETAIL": Details of the file currently playing is displayed.

"REPEAT": Use it for automatic repeat of the file or folder you are currently listening to.

Repeating a file —

While the file is playing, touch "REPEAT" briefly.

"RPT" appears on the screen. When the file is finished, the player will automatically go back to the beginning of the file and play the file again. To cancel it, touch **"REPEAT"** once again.

Repeating a folder —

While the folder is playing, touch "REPEAT" and hold it until the "F.RPT" appears on the screen.

When the folder is finished, the player will automatically go back to the beginning of the folder and play the folder again. To cancel it, touch **"REPEAT"** once again.

"RANDOM": Use it for automatic and random selection of the folder or the disc which you are currently listening to.

Playing the files in one folder in random order —

While the disc is playing, touch "RANDOM" briefly.

"RAND" appears on the screen. The system selects a file in the folder you are currently listening to. To cancel it, touch **"RANDOM"** once again.

Playing the files in all the folders on one disc in random order —

While the disc is playing touch "RANDOM" and hold it until the "F.RAND" appears on the screen.

The system selects a file in all the folders. To cancel it, touch **"RANDOM"** once again.

(d) If the player malfunctions

If the player malfunctions, your audio system will display following messages.

If "Check Disc" appears on the display: There is no disc in the player; the disc is dirty, damaged or inserted upside down; or the disc is not playable.

Correctly insert a clean, playable disc. For appropriate discs for this player, see "Audio/video system operating hints" on page 259.

If "DVD Error" appears on the display: The following causes are possible.

- There is a problem inside the system. Eject the disc.
- It indicates that the inside of the player unit may be too hot due to a high ambient temperature. Remove the disc from the player and allow the player to cool down.

If the malfunction is not rectified: Take your vehicle to your dealer.

If an MP3/WMA disc contains CD-DA files, only CD-DA files are played. If an MP3/WMA disc contains files other than CD-DA, only MP3/WMA files are played.

— DVD player operation

The DVD player can play DVD video discs.

For appropriate discs for this player, see “Audio/video system operating hints” on page 259.

For safety reasons, you can enjoy DVD video discs only when the vehicle is completely stopped with the engine switch is in “ACC” or “IG−ON” mode and the parking brake applied. While you are driving, you can hear audio alone even in the DVD video.

(a) Operating a DVD video disc

NOTE: The playback condition of some DVD video discs may be determined by a DVD video software producer. This DVD player plays a disc as the software producer intended. So some functions may not work properly. Be sure to read the manual for the DVD video disc separately provided. For the detailed information about DVD video discs, see “(c) DVD player and DVD video disc information” on page 222.

- **Precautions on DVD video disc**

When recording with a DVD video, audio tracks may not record in some cases while the menu is displayed. As audio will not play in this case, verify that the video tracks are playing and then activate playback.

When playback of a disc is completed:

- If a DVD video is playing, playback will stop or the menu screen will be displayed.

The title/chapter number and playback time display may not appear while playing back certain DVD video discs.

⚠CAUTION

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

- **Playing a DVD video disc**

Insert a DVD in the disc slot to automatically turn on the power and play the DVD. The DVD can also be played by pushing the **"AV"** button with a DVD in the disc slot and then touching **"Disc"**.

INFORMATION
Please note that there are certain discs that do not playback automatically, or do not playback unless an item from the menu recorded on the disc is selected. "Description of DVD controls" (See page 212.)

- **Displaying DVD controls**





If you touch a part of the screen, while watching video, DVD controls will appear.

"Page 2": Touching this will display on the second page of DVD controls.

"Page 1": Touching this will display the top page of DVD controls.

"Hide Buttons": Touching this will turn off the controls from the screen.

INFORMATION
Each touch screen button displays for approximately 6 seconds when changed to the DVD operation screen. Touch the screen to redisplay the switches.

- **Description of DVD controls**

TOP PAGE OF DVD VIDEO CONTROLS

"Return": Touching this will return to the predetermined scene and start playing from there.

"Search": The title search screen appears. (See page 214.)

: Touch to pause the video screen.

: Touching this will stop the DVD video disc.

: Touching this will resume normal play after stop or pause.

: Touching this will fast reverse.

: Touch to fast forward during playback. Touch briefly while paused to play slowly.

SECOND PAGE OF DVD VIDEO CONTROLS

"Setup": Touching this button will allow you to change the screen size and set the default settings. (See pages 216 and 217.)

"Top Menu" and "Menu": If you touch either button, the menu screen for DVD video appears. (For the operation, see the manual that come with the DVD video disc provided separately.)

"Subtitle": The subtitle changing screen appears. (See page 215.)

"Audio": The audio changing screen appears. (See page 215.)

"Angle": The angle selection screen appears. (See page 216.)

: The menu control key appears on the screen. (See page 213.)

- **Selecting a menu item**

The menu stored on the disc can be operated.

For details, see the manual that comes with the DVD video disc provided separately.

DISPLAYING THE DISC MENU

If the disc menu does not display when the disc is loaded, the following method can be used to display the menu.

1. Touch "Page 2".

2. Touch either "Top Menu" or "Menu".

The touch screen button display area moves UP or DOWN each time you touch the **"Layout"**.

Operating from the direct touch operation screen —

If the disc menu displays when the disc is loaded, selections can be made by touching the menu icons directly.

Operating with the touch screen button —



1. Touch "Key".

The disc menu items will vary depending on the disc. Furthermore, discs are played based on the disc content and therefore there may be times when the selected operation does not function as expected.

2. Touch "Page 2".



3. Touch .



4. Touch , , , or to select a menu.

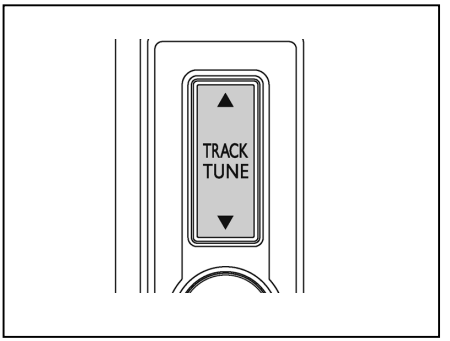
Touch **"Direct"** to enable direct touch operation.

When you touch , the previous screen returns.

5. Touch "Enter".

- **Searching for desired footage**

The desired video footage can be searched for by title, chapter, or menu number (number used to separate the disc content).



SEARCHING BY CHAPTER

When you push the "▲" or "▼" button of **"TRACK/TUNE"**, you can select a chapter.

SEARCHING BY TITLE NUMBER

1. Touch "Search".



2. Touch "+", "−", "+10", or "−10" and input the title number.

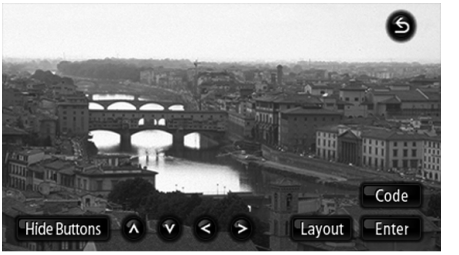
When you touch , the previous screen returns.

3. Touch "Enter".

Playback is commenced from the input title number.

SEARCHING BY MENU NUMBER

1. Touch .



2. Touch "Code" to display the menu number input screen.



3. Touch "+", "−", "+10", or "−10" and input the menu number.

When you touch , the previous screen returns.

4. Touch "Enter".

- **Changing the subtitle language**



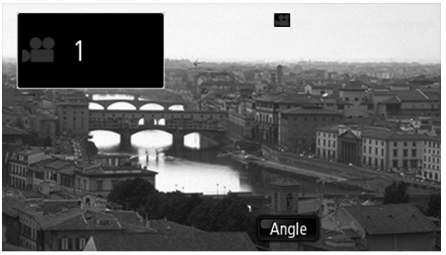
Each time you touch “Subtitle”, the language is selected from the ones stored in the discs and changed.

- **Changing the audio language**



Each time you touch “Audio”, the language is selected from the ones stored in the discs and changed.

- **Changing the angle**



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

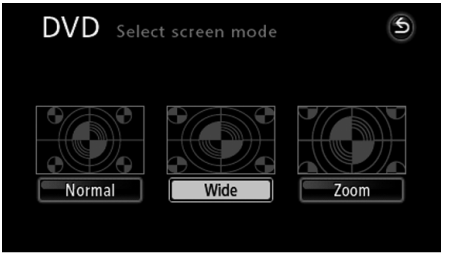
Each time you touch "Angle", the angle changes.

- **Selecting screen size**

1. Touch "Setup".



2. Touch "Wide Mode" to display the wide mode optional screen.



3. Touch "Normal", "Wide", or "Zoom".

"Normal": Displays the 3 (H) × 4 (W) screen with the remaining area at both edges in black.

"Wide": Displays the 3 (H) × 4 (W) screen with the screen widened left and right in the same ratio to fill the display horizontally.

"Zoom": Displays the 3 (H) × 4 (W) screen with the screen stretched vertically and horizontally in the same ratio to fill the display.
Change to this mode to display a 9 (H) × 16 (W) screen.

When you touch , the previous screen returns.

NOTICE

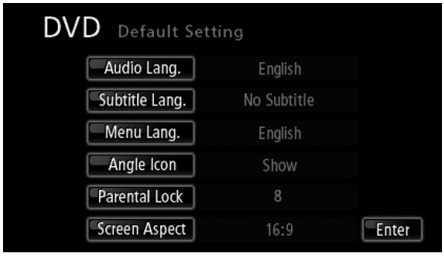
There are no issues regarding the viewing of visual material in wide-screen format provided that it is for personal use. However, compressing or enlarging the screen for commercial purposes, or to make material available for public viewing, may infringe upon the rights of the author as protected by copyright laws, and therefore care should be exercised.

- **Default setting**

1. Touch "Setup"



2. Touch "Default Setting" to display the "Default setting" screen.



The initial setting can be changed.

After you change the initial setting, touch **"Enter"**. The previous picture will be displayed.

INFORMATION

If one of the switches used to change the screen ("AV") is pushed without touching "Enter" after changing settings at the default settings screen, DVD playback will stop. Touch at the video operation screen to resume playback. (See page 212.)

AUDIO LANGUAGE

You can change the audio language.

1. Touch "Audio Lang.".

2. Touch the language you want to hear on the "Select audio language" screen.

If you cannot find the language you want to hear on this screen, touch **"Other"** and enter a language code. For the entry of language code, see page 219.

SUBTITLE LANGUAGE

You can change the subtitle language.

1. Touch "Subtitle Lang.".

2. Touch a language you want to read on the "Select subtitle language" screen.

If you cannot find the language you want to read on this screen, touch **"Other"** and enter a language code. For the entry of language code, see page 219.

DVD LANGUAGE

You can change the language on the DVD video menu.

1. Touch "Menu Lang.".

2. Touch the language you want to read on the "Select menu language" screen.

If you cannot find the language you want to read on this screen, touch **"Other"** and enter a language code. For the entry of language code, see page 219.

ANGLE ICON

The multi−angle mark can be turned on or off on the screen while the disc which is multi−angle compatible is being played.

Each time you touch **"Angle Icon"**, the angle mark on the screen turns on or off alternately.

PARENTAL LOCK

The level of viewer restrictions can be changed.

1. Touch "Parental Lock".

2. Enter the 4−digit personal code on the "Enter Personal Code" screen and then touch "Enter".

If you enter the wrong numbers, touch  to delete the numbers.

10 touches of  will initialized the personal code.

3. Touch a parental level (1—8) on the "Select restriction level".

4. Touch "Enter".

CHANGING THE VIDEO OUTPUT

The screen size changes each time **"Screen Aspect"** is touched.

"16:9": The screen displays in the normal wide size.

In the case of DVD software recorded with a screen size of 4:3, both the left and right edges display in black, or the screen is stretched to the left and right.

"4:3 Letter Box": The upper and lower edges of the screen display in black.

In the case of DVD software recorded with a screen size of 4:3, the video fits the screen size perfectly (4:3).

"4:3 Pan Scan": Both the left and right edges of the screen are cut.

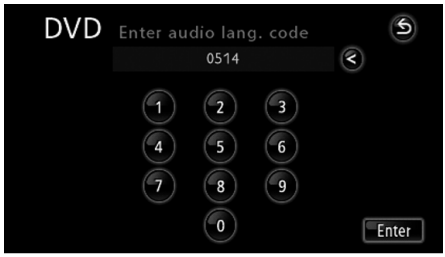
In the case of DVD software recorded with a screen size of 4:3, the video fits the screen size perfectly (4:3).

NOTICE

There are no issues regarding the viewing of visual material in wide−screen format provided that it is for personal use. However, compressing or enlarging the screen for commercial purposes, or to make material available for public viewing, may infringe upon the rights of the author as protected by copyright laws, and therefore care should be exercised.

- **Enter language code**

If you touch **"Other"** on the "Select audio language" screen, "Select subtitle language" screen or "Select menu language" screen, you can select the language you want to hear or read by entering a language code.



1. **Enter the 4−digit language code.**

If you enter the wrong numbers, touch to delete the numbers.

2. **Touch "Enter".**

Code	Language
1001	Japanese
0514	English
0618	French
0405	German
0920	Italian
0519	Spanish
2608	Chinese
1412	Dutch
1620	Portuguese
1922	Swedish
1821	Russian
1115	Korean
0512	Greek

0101	Afar
0102	Abkhazian
0106	Afrikaans
0113	Amharic
0118	Arabic
0119	Assamese
0125	Aymara
0126	Azerbaijani
0201	Bashkir
0205	Byelorussian
0207	Bulgarian
0208	Bihari
0209	Bislama
0214	Bengali
0215	Tibetan
0218	Breton
0301	Catalan
0315	Corsican
0319	Czach
0325	Welsh
0401	Danish
0426	Bhutani
0515	Esperanto
0520	Estonian
0521	Basque
0601	Persian
0609	Finnish
0610	Fiji
0615	Faroese
0625	Frisian
0701	Irish

0704	Scots−Gaelic
0712	Galician
0714	Guarani
0721	Gujarati
0801	Hausa
0809	Hindi
0818	Croatian
0821	Hungarian
0825	Armenian
0901	Interlingua
0905	Interlingue
0911	Inupiak
0914	Indonesian
0919	Icelandic
0923	Hebrew
1009	Yiddish
1023	Javanese
1101	Georgian
1111	Kazakh
1112	Greenlandic
1113	Cambodian
1114	Kannada
1119	Kashmiri
1121	Kurdish
1125	Kirghiz
1201	Latin
1214	Lingala
1215	Laothian
1220	Lithuanian
1222	Latvian
1307	Malagasy

1309	Maori
1311	Macedonian
1312	Malayalam
1314	Mongolian
1315	Moldavian
1318	Marathi
1319	Malay
1320	Maltese
1325	Burmese
1401	Nauru
1405	Nepali
1415	Norwegian
1503	Occitan
1513	(Afan)Oromo
1518	Oriya
1601	Panjabi
1612	Polish
1619	Pashto, Pushto
1721	Quechua
1813	Rhaeto-Romance
1814	Kirundi
1815	Romanian
1823	Kinyarwanda
1901	Sanskrit
1904	Sindhi
1907	Sangho
1908	Serbo-Croatian
1909	Sinhalese
1911	Slovak
1912	Slovenian
1913	Samoan

1914	Shona
1915	Somali
1917	Albanian
1918	Serbian
1919	Siswati
1920	Sesotho
1921	Sundanese
1923	Swahili
2001	Tamil
2005	Telugu
2007	Tajik
2008	Thai
2009	Tigrinya
2011	Turkmen
2012	Tagalog
2014	Setswana
2015	Tonga
2018	Turkish
2019	Tsonga
2020	Tatar
2023	Twi
2111	Ukrainian
2118	Urdu
2126	Uzbek
2209	Vietnamese
2215	Volapük
2315	Wolof
2408	Xhosa
2515	Yoruba
2621	Zulu

(b) If the player malfunctions

If the player malfunctions, your audio/video system will display following messages.

If "Check Disc" appears on the display: There is no disc in the player; the disc is dirty, damaged or inserted upside down; or the disc is not playable.

Correctly insert a clean, playable disc. For appropriate discs for this player, see "Audio/video system operating hints" on page 259.

If "Cannot read disc. Please check disc." appears on the display: It indicates that the DVD region code of the DVD may not be compatible with the player.

If "DVD Error" appears on the display: The following causes are possible.

- There is a problem inside the system. Eject the disc.
- It indicates that the inside of the player unit may be too hot due to a high ambient temperature. Remove the disc from the player and allow the player to cool down.

If the malfunction is not rectified: Take your vehicle to your dealer.

(c) DVD player and DVD video disc information

- **DVD video discs**

This DVD player conforms to NTSC color TV formats.

Region codes: Some DVD video discs have a region code indicating a country where you can use the DVD video disc on this DVD player. If the DVD video disc is not labeled as "ALL" or "1", you cannot use it on this DVD player. If you attempt to play an inappropriate DVD video disc on this player, "Cannot read disc. Please check disc." appears on the screen. Even if the DVD video disc does not have a region code, there is a case that you cannot use it.

Marks shown on DVD video discs:

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

- **DVD video disc glossary**

DVD video discs: Digital versatile Disc that holds video. DVD video discs have adopted “MPEG2”, one of the world standards of digital compression technologies. The picture data is compressed by 1/40 on average and stored. Variable rate encoded technology in which the volume of data assigned to the picture is changed depending on the picture format has also been adopted. Audio data is stored using PCM and Dolby digital, which enables higher quality of sound. Furthermore, multi−angle and multi−language features will also help you enjoy the more advanced technology of DVD video.

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

Level 1: DVD video discs for children can be played.

Level 2 − 7: DVD video discs for children and G−rated movie can be played.

Level 8: All types of the DVD video discs can be played.

Multi−angle feature: You can enjoy the same scene at different angles.

Multi−language feature: You can select a language of the subtitle and audio.

Region codes: The region codes are provided on DVD players and DVD discs. If the DVD video disc does not have the same region code as the DVD player, you cannot play the disc on the DVD player. For region codes, see page 222.

Audio: This DVD player can play liner PCM, Dolby digital and MPEG audio format DVD. Other decoded type cannot be played.

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

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

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

Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic", and the double−D symbol are trademarks of Dolby Laboratories. Confidential unpublished works.
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This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Rovi Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Rovi Corporation. Reverse engineering or disassembly is prohibited.

— USB player operation

The USB player can play USB memory devices.

Some USB memory devices may not operate properly.

For appropriate USB memory devices for this player, see "Audio/video system operating hints" on page 259.

⚠CAUTION

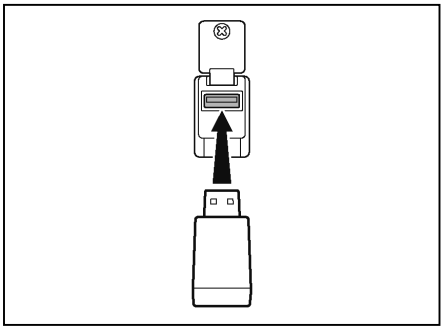
Do not insert or eject the USB memory device while driving.

NOTICE

Do not insert foreign objects into the USB port as this may damage the USB memory device or their terminals.

(a) Plugging or unplugging a USB memory device

- **Setting a USB memory device**



Plug a USB memory device into the USB port.

After insertion, the set USB memory device is automatically loaded.

NOTICE

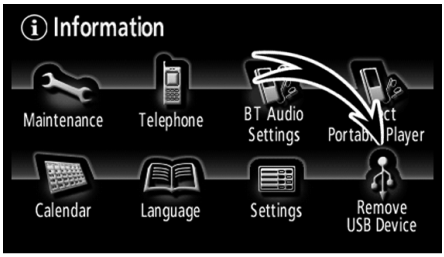
- ***Do not leave your USB memory device in the car. In particular, high temperatures inside the vehicle may damage the USB memory device.***
- ***Do not push down on or apply unnecessary pressure to the USB memory device while it is connected as this may damage the USB memory device or its terminal.***

INFORMATION

See the vehicle owner's manual for the location of the USB port and other details.

- **Unplugging a USB memory device**

1. Push the "INFO" button.



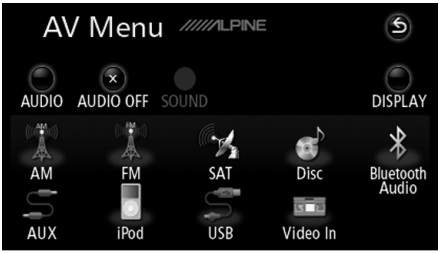
2. Touch "Remove USB Device".



3. Unplug the USB memory device.

A USB memory device can then be inserted.

(b) Playing a USB memory device



Push the "AV" button and touch "USB" if a USB memory device is already loaded in the USB player.

The USB memory device will start playback.

(c) Operating a USB memory device

- **Playing a USB memory device**



Push the "AV" button and touch "AUDIO" to display this screen.

- **Selecting a desired folder**

"UP": Touch this touch screen button to go to the next folder.

"DOWN": Touch this touch screen button to go to the previous folder.

"LIST": The desired folder can be selected in a list.

Touch **"LIST"**. The folder list is displayed.



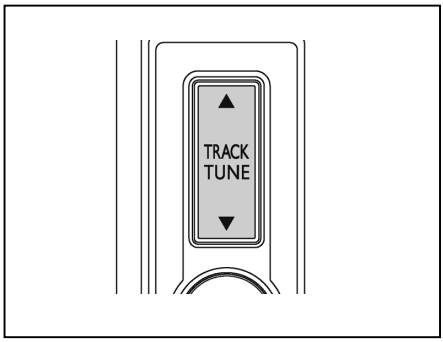
Touch the desired folder number. The USB player will start playing the first file of the selected folder.

: By touching this touch screen button, the list moves up by 5 folder groups. If this touch screen button is touched when the top page of the list is displayed, the last page is displayed.

: By touching this touch screen button, the list moves down by 5 folder groups. If this touch screen button is touched when the last page of the list is displayed, the top page is displayed.

"File": The file list is displayed.

- **Selecting a desired file**

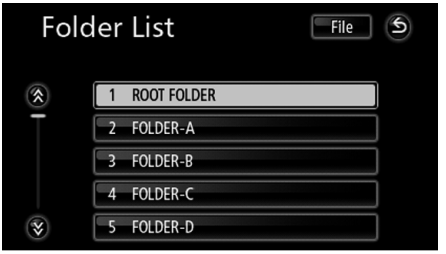


"▲" or **"▼"** button of **"TRACK/TUNE":** Use for direct access to a desired file.

Push the **"▲"** or **"▼"** button of **"TRACK/TUNE"** and repeat until the desired file number appears on the display. As you release the button, the USB player will start playing the selected file from the beginning.

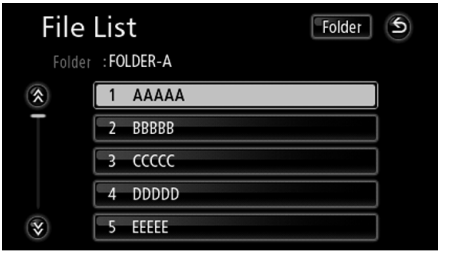
Fast forward: Push the **"▲"** button of **"TRACK/TUNE"** and hold it to fast forward the USB memory device. When you release the button, the USB player will resume playing from that position.

Reverse: Push the **"▼"** button of **"TRACK/TUNE"** and hold it to reverse the USB memory device. When you release the button, the USB player will resume playing.



"File": The desired file can be selected in a list.

Touch **"File"**. The file list is displayed.



Touch the desired file number. The USB player will start playing the selected file from the beginning.

: By touching this touch screen button, the list moves up by 5 file groups. If this touch screen button is touched when the top page of the list is displayed, the last page is displayed.

: By touching this touch screen button, the list moves down by 5 file groups. If this touch screen button is touched when the last page of the list is displayed, the top page is displayed.

"Folder": The folder list is displayed.

- **Searching for a desired file**



While the USB memory device is playing, touch "SCAN" briefly.

"SCAN" appears on the screen. The USB player will play the next file in the folder for 10 seconds, then scan again. To select a file, touch **"SCAN"** once again. If the USB player reaches the end of the folder, it will continue scanning from file 1.

After all the files are scanned in one pass, normal play resumes.

- **Searching for a desired folder**



While the USB memory device is playing, touch "SCAN" and hold it until the "F.SCAN" appears on the screen.

The program at the beginning of each folder will be played for 10 seconds. To continue listening to the program of your choice, touch **"SCAN"** once again.

After all the folders are scanned in one pass, normal play resumes.

- **Other functions**



"DETAIL": Details of the file currently playing is displayed.

"REPEAT": Use it for automatic repeat of the file or folder you are currently listening to.

Repeating a file —

While the file is playing, touch "REPEAT" briefly.

"RPT" appears on the screen. When the file is finished, the USB player will automatically go back to the beginning of the file and play the file again. To cancel it, touch **"REPEAT"** once again.

Repeating a folder —

While the folder is playing, touch "REPEAT" and hold it until the "F.RPT" appears on the screen.

When the folder is finished, the USB player will automatically go back to the beginning of the folder and play the folder again. To cancel it, touch **"REPEAT"** once again.

"RANDOM": Use it for automatic and random selection of the folder or the USB memory device which you are currently listening to.

Playing the files in one folder in random order —

While the USB memory device is playing, touch "RANDOM" briefly.

"RAND" appears on the screen. The system selects a file in the folder you are currently listening to. To cancel it, touch **"RANDOM"** once again.

Playing the files in all the folders on one USB memory device in random order —

While the USB memory device is playing touch "RANDOM" and hold it until the "F.RAND" appears on the screen.

The system selects a file in all the folders. To cancel it, touch **"RANDOM"** once again.

(d) If the player malfunctions

If the player malfunctions, your audio system will display following messages.

If "USB device is not connected." appears on the display: This message appears in cases such as when the USB memory device is damaged. Ensure that the USB memory device is correctly connected and, if necessary, replace the USB memory device with one that works properly. If the USB memory device is undamaged and connected correctly, this indicates that there is a problem inside the system or that the inside of the player unit may be too hot due to a high ambient temperature. Unplug the USB memory device from the player. If it is hot, allow the player to cool down.

If "No playable music data in the USB device." appears on the display: It indicates that the USB memory device has no playable data.

If the malfunction is not rectified: Take your vehicle to your dealer.

—Bluetooth® audio operation

The Bluetooth® audio system enables users to enjoy music played on a portable player from the vehicle speakers via wireless communication.



This audio system supports Bluetooth®, a wireless data system capable of playing portable audio music without cables.

If your portable player does not support Bluetooth®, the Bluetooth® audio system will not function.

INFORMATION

Portable players must correspond to the following specifications in order to be connected to the Bluetooth® audio system. However, please note that some functions may be limited depending on the type of portable player.

- ***Bluetooth® specifications:***
  Version: 1.1 or higher (Recommended: Version. 2.0 + EDR or higher)
- ***Following Profiles:***
  - ***A2DP (Advanced Audio Distribution Profile) Ver.1.0***
  - ***AVRCP (Audio/Video Remote Control Profile) Ver. 1.0 or higher (Recommended: Ver. 1.3 or higher)***

Bluetooth is a trademark owned by Bluetooth SIG. Inc.

⚠CAUTION

Use a portable player or connect the Bluetooth® audio only when safe and legal to do so.

NOTICE

Do not leave your portable player in the car. In particular, high temperatures inside the vehicle may damage the portable player.

INFORMATION

- ***In the following conditions, the system may not function.***
  - ***The portable player is turned off.***
  - ***The portable player is not connected.***
  - ***The portable player has a low battery.***
- ***Depending on the portable player that is connected to the system, certain functions may not be available.***
- ***If Bluetooth® devices are used for hands-free phone and Bluetooth® audio connections at the same time, the following may occur.***
  - ***The Bluetooth® connection may be cut off.***
  - ***Noise may occur in the audio played from the portable player.***
- ***Even if using a cellular phone that is capable of both hands-free phone and Bluetooth® audio connections, simultaneous connection may not be possible in some cases.***



1 Indicates the condition of the Bluetooth® connection.

"Blue" indicates an excellent connection to Bluetooth®.

"Yellow" indicates a bad connection to Bluetooth®, resulting in possible deterioration of audio quality.

If **"Portable player is not connected."** is displayed, this indicates that Bluetooth® is not connected.

2 Indicates the amount of battery charge left.

Empty ← → Full

It is not displayed while the Bluetooth® is not connected.

The amount left does not always correspond with the one on your portable player. This system does not have a charging function.

The Bluetooth® connection utilizes the Bluetooth® antenna. The indication of the Bluetooth® connection may turn yellow and the system may not function when you use the Bluetooth® portable player in the following conditions:

- Your portable player is hidden behind the display (behind the seat or in the glove box or console box).
- Your portable player touches or is covered with metal materials.
- Your portable player is in the trunk.

Leave the Bluetooth® portable player in a place where the "Blue" indication is displayed.

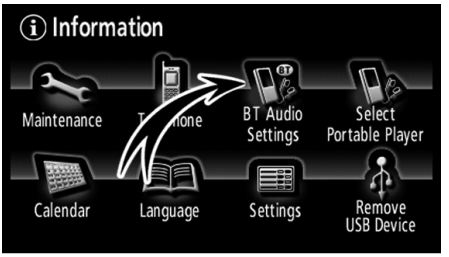
The portable player information is registered when the Bluetooth® audio system is connected. When you release possession of your vehicle, remove your portable player. (See "Deleting a portable player" on page 244.)

(a) Enter a Bluetooth® audio player

To use the Bluetooth® audio system, you need to enter your portable player into the system. Once you have registered it, you can enjoy your music on the vehicle's audio system.

A maximum of two portable players can be registered.
Please refer to the manual that comes with your portable player for operation of the portable player.

1. Push the "INFO" button.



2. Touch "BT Audio Settings" to display the "BT Audio Settings" screen.



3. Touch "Register" to connect your portable player to the system.



4. When this screen is displayed, enter the passcode displayed on the screen into the portable player.

For the operation of the portable player, see the manual that comes with your portable player.

If you want to cancel the entry, touch **"Cancel"**.



5. When the connection is complete, this screen is displayed.

You do not need to enter the portable player in case of using the same one.



When this screen is displayed, follow the guidance on the screen to try connecting again.

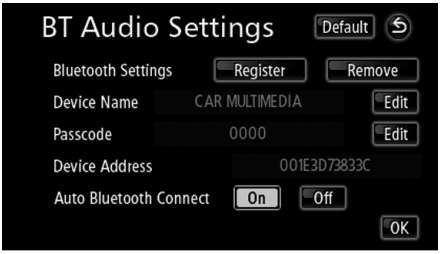
INFORMATION

- ***The passcode is used to register the portable player in the vehicle's audio system. You can create a password of your choice. (See "Change the Bluetooth® audio settings" on page 240)***
- ***For portable players lacking passcode entry capability, such as those without operation switches, change the audio system's passcode to that of the portable player. (See "Change the Bluetooth® audio settings" on page 240)***
- ***Refer to the manual that comes with the portable player for information about the portable player's passcode.***

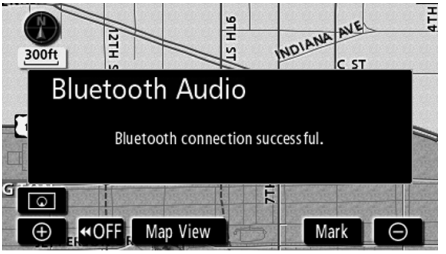
- **Connecting a portable player**

The portable player can be connected to the audio system either automatically or manually.

AUTOMATICALLY



When you register your portable player, auto connection will be turned on. Always set it to this mode and leave the Bluetooth® portable player in a condition where connection can be established.



Vehicles with smart entry and start system—

When the "ENGINE START STOP" switch is in the ACCESSORY or IGNITION ON mode, the selected Bluetooth® portable player will be automatically connected and the connection result is displayed.

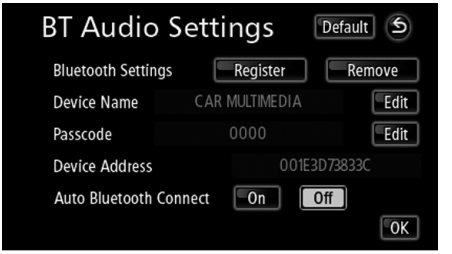
This screen appears when the Bluetooth® portable player is first connected after the "ENGINE START STOP" switch is turned to the ACCESSORY or IGNITION ON mode.

Vehicles without smart entry and start system—

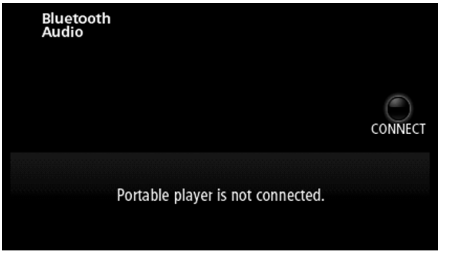
When the engine switch is in the ACC or ON position, the selected Bluetooth® portable player will be automatically connected and the connection result is displayed.

This screen appears when the Bluetooth® portable player is first connected after the engine switch is turned to the ACC or ON position.

MANUALLY



When the auto Bluetooth® connection is "Off", you have to connect Bluetooth® manually.



Touch "CONNECT" after having enabled the Bluetooth® connection on the portable player.



When the connection is complete, this screen is displayed. Now you can use the Bluetooth® portable player.

From portable player



When making a connection from the portable player, operate the portable player controls to connect.

To make a connection from the portable player, first display this "Connect Bluetooth* Audio" screen.

*: Bluetooth is a registered trademark of Bluetooth SIG. Inc.

INFORMATION
Auto Bluetooth® connect may not be available for certain portable players, which must be connected manually.

- **Reconnecting the Bluetooth® audio player**

Vehicles with smart entry and start system—

If the Bluetooth® audio system is disconnected with a poor reception from the Bluetooth® network when the "ENGINE START STOP" switch is in the ACCESSORY or IGNITION ON mode, the system automatically reconnects the Bluetooth® audio player. In this case, the connection result is not displayed.

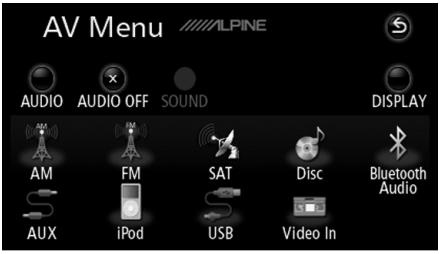
Vehicles without smart entry and start system—

If the Bluetooth® audio system is disconnected with a poor reception from the Bluetooth® network when the engine switch is in the ACC or ON position, the system automatically reconnects the Bluetooth® audio player. In this case, the connection result is not displayed.

If the Bluetooth® is disconnected on purpose, such as when you turn off your portable player, this does not happen. Reconnect it by the following methods.

- Select the portable player again.
- Enter the portable player.

(b) Playing a Bluetooth® audio



Push the "AV" button and touch "Bluetooth* Audio" if Bluetooth® connection has already been completed for your portable player. The player will start playing.

*: Bluetooth is a registered trademark of Bluetooth SIG. Inc.

(c) Operating a Bluetooth® audio player

- **Playing a Bluetooth® audio**



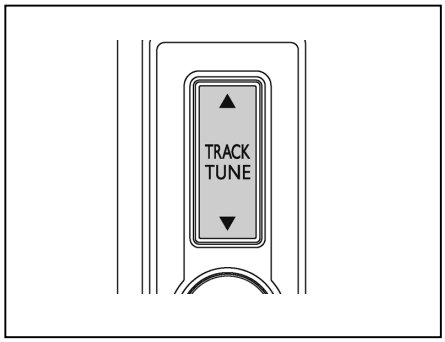
Push the "AV" button and touch "AUDIO" to display this screen.

Depending on the portable player that is connected to the system, functions such as display of the artist name or control touch screen buttons shown here may not be available.

Touch "❚❚" and the music will pause.

Touch "►" and the music will start playing.

- **Selecting a desired track**



"▲" or "▼" button of "TRACK/TUNE": Use for direct access to a desired audio track.

Push the **"▲"** or **"▼"** button of **"TRACK/TUNE"** and repeat until the desired track number appears on the screen. As you release the button, the player will start playing the selected track from the beginning.

Fast forward:
Push and hold the **"▲"** button of **"TRACK/TUNE"** to fast forward the player. When you release the button, the player will resume playing from that position.

Reverse:
Push and hold the **"▼"** button of **"TRACK/TUNE"** to reverse the player. When you release the button, the player will resume playing.

- **Selecting a desired album**



"UP": Touch this touch screen button to select the next album.

"DOWN": Touch this touch screen button to select the previous album.

- **Other functions**



"REPEAT": Use this control to automatically replay the track you are currently listening to.

Repeating a track —

While the track is playing, touch "REPEAT" briefly.

When the track is finished, the player will automatically play it again. To cancel the repeat, touch **"REPEAT"** once again.

"RANDOM": Use this for automatic and random selection of tracks from the portable audio player.

While a track is playing, touch "RANDOM" briefly.

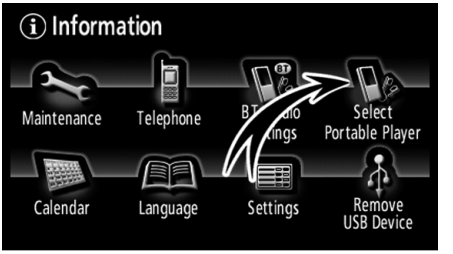
The system selects a track from the portable audio player. To cancel this function, touch **"RANDOM"** once again.

INFORMATION
Depending on the portable player that is connected to the system, certain functions may not be available.

(d) Change the Bluetooth® audio settings

- **Selecting a portable player**

If you register a second portable player, either one can be selected for connection.



1. Touch "Select Portable Player" to display the "Select Portable Player" screen.

You can select from a maximum of two Bluetooth® portable players.

"Empty" is displayed when you have not registered a Bluetooth® portable player. The Bluetooth® mark is displayed when you choose the portable player.



2. Select desired portable player and then touch "OK".

Although you can register up to two portable players in the system, only one portable player can function at a time.

- **Displaying portable player information**

You can see the information of the portable player on the system.

"Device Name"

..... The name of Bluetooth® portable player which is displayed on the screen. You can change it into a desired name.

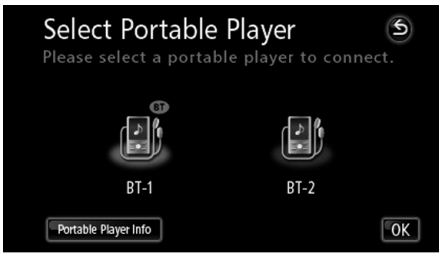
"Bluetooth* Device Address"

..... The address peculiar to the system. You cannot change it.

"Connection Method"

..... The connection method can be switched between "From Portable Player" and "From Display Device".

*: Bluetooth is a registered trademark of Bluetooth SIG. Inc.



1. Select desired portable player and then touch "Portable Player Info".



2. When you complete confirming it, touch .

- **Changing a device name**

You can change a device name. If you change a device name, the name registered in your portable player is not changed.



1. Touch "Edit".



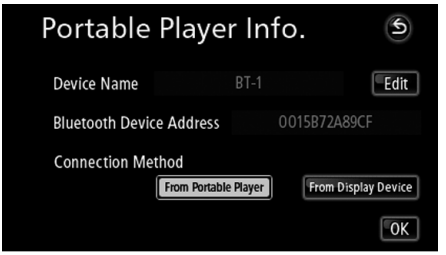
2. Use the software keyboard to input the device name and then touch "OK".

- **Changing the connection method**

The connection method can be selected.

From Portable Player: Connect the portable player to the audio system.

From Display Device: Connect the audio system to the portable player.



Select desired connection method "From Portable Player" or "From Display Device" and then touch "OK".

INFORMATION
If the connection method is set to "From Portable Player", "Auto Bluetooth* Connect" (see page 236) cannot be selected.

*: Bluetooth is a registered trademark of Bluetooth SIG. Inc.

- **Displaying the Bluetooth® audio settings**

You can see the Bluetooth® audio information settings on the system.

"Device Name"

.....The name in the Bluetooth® network. You can change it.

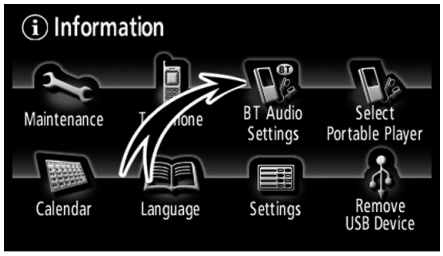
"Passcode"

.....The password when you register your portable audio player in the system. You can change it into the figure of 4-8 digits.

"Device Address"

.....The address peculiar to the system. You can not change it. If you have registered two Bluetooth® portable players with the same device name or passcode and you cannot distinguish one from the other, refer to it.

- **Changing the device name or passcode**



1. Touch “BT Audio Settings”.



2. Touch “Edit” at “Device Name” or “Passcode”.



3. Use the software keyboard to input the device name.

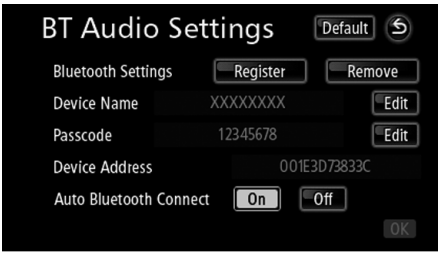
You can input up to 20 characters.



4. Input a Passcode with 4-8 digits. When you touch , the input number is deleted.

- **Initializing the Bluetooth® audio settings**

You can initialize the settings.

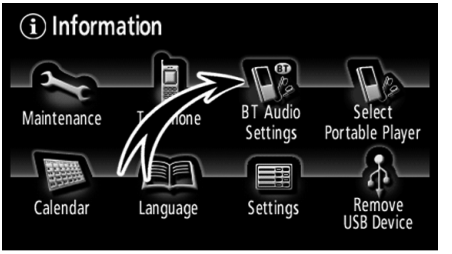


1. Touch “Default”.

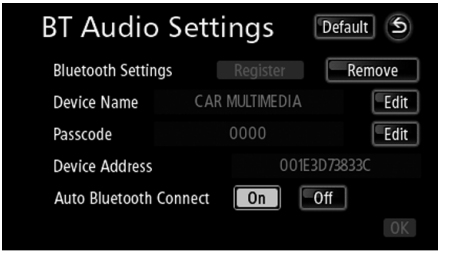


2. Touch “Yes”.

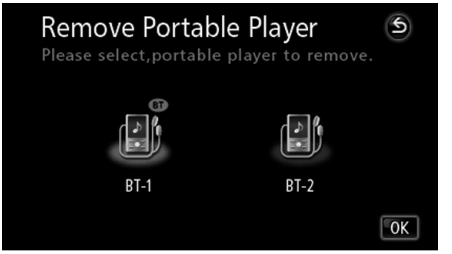
- **Deleting a portable player**



1. Touch “BT Audio Settings”.



2. Touch “Remove” at “Bluetooth* Settings”.



3. Select the portable player you want to delete and touch “OK”.

*: Bluetooth is a registered trademark of Bluetooth SIG. Inc.



4. **Touch “Yes”.**

— AUX operation

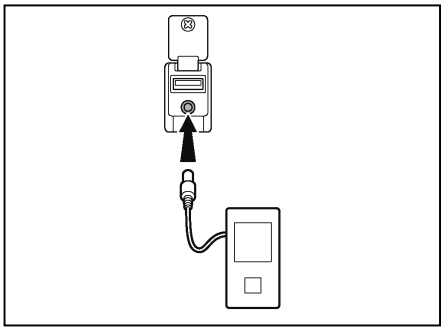
Music stored on commercially available portable audio devices can be played back by connecting the devices to the audio system.

When using portable audio devices with the audio system, please read over the portable audio device’s manual carefully and ensure that the device is fully compatible prior to use.

⚠CAUTION

- **Place the portable audio device in a location that will not interfere with SRS airbag deployment. Failure to do so may result in death or serious injury due to the inability of the airbag to function properly or if the portable audio device is thrown during SRS airbag deployment.**
  Refer to the vehicle owner’s manual for details of the SRS airbag deployment location.
- **Avoid placing the portable audio device in a location that will interfere with driving, or temporarily secure in a location that will not interfere with driving.**
  This may hinder driving or lead to traffic accidents.

(a) Connecting (disconnecting) portable audio devices



Ensure that the portable audio device power is turned OFF.
Ensure that the audio mode is set to a mode other than AUX, or that the audio system power is turned OFF.

Connect (or disconnect) the AUX port.

NOTICE

- ***Avoid getting hands caught in the AUX port.***
- ***Do not connect, operate, or disconnect the portable audio device while driving.***
- ***Store portable audio devices away from direct sunlight when not in use.***

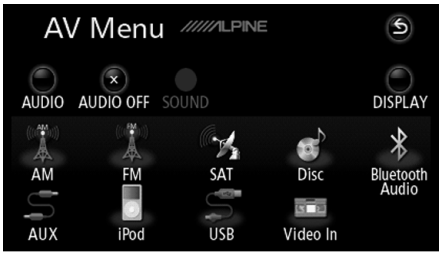
INFORMATION

- ***Disconnecting or connecting the portable audio device while in AUX mode may lead to distortion and speaker damage. Always ensure to turn off the audio system power or switch to another mode prior to disconnecting or connecting.***
- ***Changing the portable audio device power supply while in AUX mode may lead to distortion and speaker damage. Always ensure to turn off the audio system power or switch to another mode prior to changing the portable audio device power supply.***
- ***Please note that the volume level will vary due to differing output levels depending on the connected device.***
- ***If the volume is adjusted while in AUX mode, the volume can be stored as the volume level for AUX mode. This stored volume level will be returned to its default setting if the portable audio device is disconnected.***
- ***When using a portable audio device connected to the power outlet or cigarette lighter, noise may occur during playback.***
  If this happens, use the power source (battery) of the portable audio device.

(b) Playing a portable audio devices

1. Turn ON the portable audio device power and playback music.

Refer to the manual provided with the portable audio device for details of operation.



2. Push the "AV" button and touch "AUX".

Played back audio from the portable audio device is output from the speakers.

— iPod operation

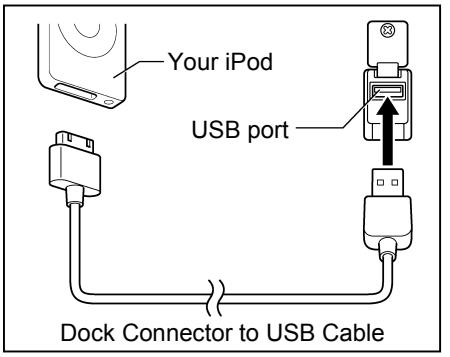
iPod music files can be played by connecting your iPod to the audio system. Furthermore, it is also possible to perform such operations as selecting tracks from the play list and changing the shuffle mode at the audio system.

For details, refer to your iPod user guide.

INFORMATION
A different connection procedure must be performed if playing video files using a commercially available Apple Composite AV Cable. For details, see page 256.

(a) Connecting or disconnecting your iPod

- **Connecting your iPod**

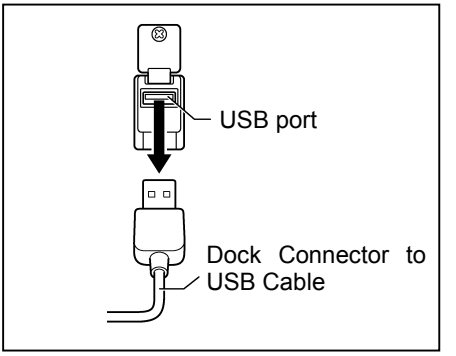


Connect your iPod with the Dock Connector to USB Cable.

Disconnect all accessories currently connected to the iPod.

As soon as the iPod is connected, its power is automatically turned on.

- **Disconnecting your iPod**



Disconnect the Dock Connector to USB Cable from the USB port.

NOTICE

- ***Please understand that no compensation can be awarded for lost data, even if iPod data is lost when connected to the audio system.***
- ***The iPod may become deformed, discolored, or damaged due to heat if left exposed to direct sunlight for long periods of time. Store away from direct sunlight when not in use.***
- ***Fix the iPod securely when using with this unit. Do not let the iPod fall onto the floor, where it may become jammed under the brake or accelerator pedal.***
- ***You may hear noise if you disconnect during iPod playback.***

INFORMATION

- ***Check that your iPod is supported by the audio system. Refer to "Supported iPods" (page 255) for a list of supported iPods.***
- ***The system will not automatically switch to iPod mode when the audio system and iPod are connected.***
- ***"SCION" displays at the iPod when connected to the audio system. Please note that operation cannot be performed using your iPod while "SCION" is displayed.***
- ***Vehicles with smart entry and start system—***
  While the "ENGINE START STOP" switch is in the ACCESSORY or IGNITION ON mode, the battery of the connected iPod will be charged.
- ***Vehicles without smart entry and start system—***
  While the engine switch is in the ACC or ON position, the battery of the connected iPod will be charged.
- ***The track order in the play list displayed at the audio system may differ from that at your iPod when connected to the system.***
- ***If your iPod becomes inoperable, disconnect and then reconnect after resetting. Refer to the iPod user guide for details of the reset method.***
- ***While the iPod is connected to this audio system, the iPod itself cannot be turned on or off.***

- ***Vehicles with smart entry and start system—***
  The connected iPod will be turned off about two minutes after the "ENGINE START STOP" switch is turned off.
- ***Vehicles without smart entry and start system—***
  The connected iPod will be turned off about two minutes after the engine switch is turned to the LOCK position.

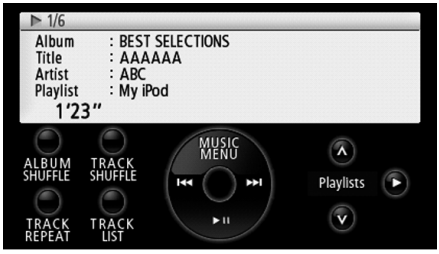
(b) Playing your iPod



Push the "AV" button and touch "iPod" if your iPod is already connected. The iPod will start playing.

(c) Operating your iPod

- **Playing your iPod**



Push the "AV" button and touch "AUDIO" to display this screen.

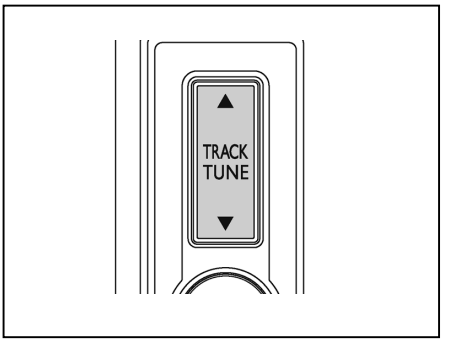
Touch "▶II" to pause playback.

Touch "▶II" again to resume playback.

INFORMATION

- ***Depending on the number of music files stored on your iPod, and the software version, there may be times when the system does not respond immediately or function properly when performing operations at the operation screen.***
- ***"OK to disconnect.", displays on the iPod unit. However, in order to protect your iPod, it is recommended that the Dock Connector to USB Cable not be disconnected during music playback.***
- ***Vehicles with smart entry and start system—***
  If the system does not function properly, disconnect your iPod from the Dock Connector to USB Cable and then turn the "ENGINE START STOP" switch off. Turn the iPod off then back on. Turn the "ENGINE START STOP" switch back to the ACCESSORY or IGNITION ON mode and then connect the iPod to the Dock Connector to USB Cable again.
- ***Vehicles without smart entry and start system—***
  If the system does not function properly, disconnect your iPod from the Dock Connector to USB Cable then turn the engine switch off. Turn the iPod off then back on. Turn the engine switch back to the ACC or ON position and then connect the iPod to the Dock Connector to USB Cable again.
- ***You cannot operate the iPod Equalizer on products. We recommend that you set the iPod Equalizer to off, before connecting the iPod to this unit.***

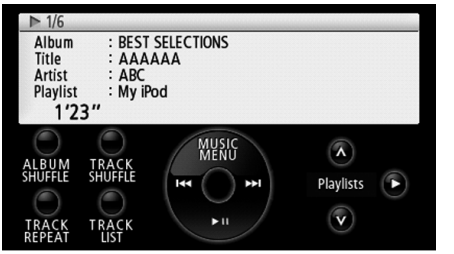
- **Selecting a desired music file**



"▲" or **"▼"** button of **"TRACK/TUNE"**/"▶▶I" or "I◀◀": These buttons are used for direct access to a desired audio track. Push the **"▲"** or **"▼"** button of **"TRACK/TUNE"**or touch "▶▶I" or "I◀◀" until the desired track number appears on the screen. When operation of the button or the screen is complete, the player will start playing the selected track from the beginning.

Fast forward: Push and hold the **"▲"** button of **"TRACK/TUNE"** or continue touching "▶▶I" to fast forward the player. When you release the button, the player will resume playing from that position.

Reverse: Push and hold the **"▼"** button of **"TRACK/TUNE"** or continue touching "I◀◀" to reverse the player. When you release the button, the player will resume playing.



"TRACK LIST": When **"TRACK LIST"** is touched, the list of files in which the music files currently being played back is displayed. The music file currently being played back displays at the top.

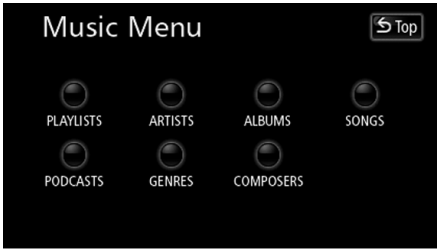
Touch a music file to play back the selected file.

- **Searching for the desired music file from the Music menu**

The desired music file can be searched for by displaying the track play list from the Music menu.

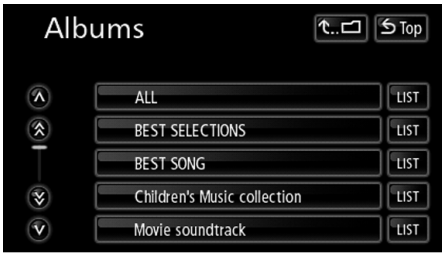
1. Touch "MUSIC MENU".

Touch Top to return to the iPod operation screen.



2. Touch the desired mode on the Music menu screen.

The screen shown at step **"4."** displays when **"SONGS"** is selected.



3. Touch the desired touch screen button on the mode list screen.

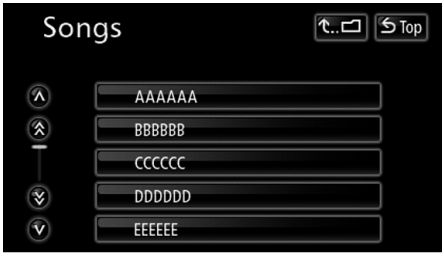
Touch the list to playback the first music file in the selected list.

Touch **"LIST"** to display lists.

When there are 6 lists or more, touch , , or , to change the list.

Touch to return to the level above.

Touch Top to return to the iPod operation screen.

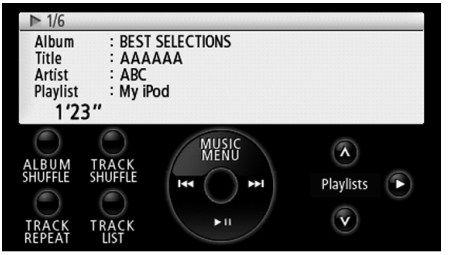


4. Touch the applicable touch screen button to select the music file to be played back.

Commence playback.

- **Searching for the desired music files from play mode**

Played back music files can be changed in various individual modes.



1. Touch ▶.

The mode changes to the selected mode and the first music file is played.

The mode will change in the following order: "Artists", "Albums", "Songs", "Podcasts", "Genres", "Composers", "Playlists".

"Playlists": Plays back the iPod Playlist.

"Artists": Plays back the Artists list.

"Albums": Plays back the Albums list.

"Songs": Plays back all songs.

"Podcasts": Plays back the Podcasts list.

"Genres": Plays back the Genres list.

"Composers": Plays back the Composers list.

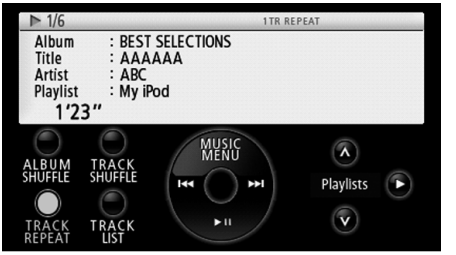
2. Touch ∧ or ∨.

∧: Touch to select the next list (music files in Songs mode).

∨: Touch to select the previous list (music files in Songs mode).

- **Other functions**

INFORMATION
If your iPod is disconnected while "TRACK REPEAT", "TRACK SHUFFLE", or "ALBUM SHUFFLE" is set, the iPod will switch to the repeat or shuffle setting.



"TRACK REPEAT": Repeats playback of the current track.

When the current track is finished, playback will begin again automatically from the beginning of that track. Touch **"TRACK REPEAT"** again to cancel.

Listening to tracks in the current play list randomly —

Touch "TRACK SHUFFLE".

The system selects a music file in the play list you are currently listening to. To cancel it, touch **"TRACK SHUFFLE"** once again.

Listening to albums randomly —

Touch "ALBUM SHUFFLE".

Albums can be listened to randomly. However music files in albums are played back from the first music file.

To cancel it, touch **"ALBUM SHUFFLE"** once again.

- **Supported iPods**

The table below shows the tested iPods and iPhones. Depending on its condition, the iPod or iPhone may not operate properly.

Model	Software version	iTunes tagging compatibility
iPod 5th generation	1.3	–
iPod classic	1.1.2	○
iPod classic (2008)	2.0.1	○
iPod classic (2009)	2.0.4	○
iPod nano 1st generation	1.3.1	–
iPod nano 2nd generation	1.1.3	–
iPod nano 3rd generation	1.1.3	○
iPod nano 4th generation	1.0.4	○
iPod nano 5th generation	1.0.2	○
iPod touch 1st generation (Ser.1.0)	1.1.5	–
iPod touch 1st generation (Ser.2.0)	2.2.1	○
iPod touch 1st generation (Ser.3.0)	3.1.3	○
iPod touch 2nd generation	3.1.2	○
iPod touch 2nd generation (2009)	3.1.3	○
iPhone	3.1.3	○
iPhone 3G	3.1.3	○
iPhone 3GS	3.1.3	○

○: Compatible –: Incompatible

INFORMATION

- ***iPod is a trademark of Apple Inc., registered in the U.S. and other countries.***
- ***iPhone is a trademark of Apple Inc.***
- ***The use of iPods is authorized for the copying and playback of non−copyrighted material or material for which legal copying and playback is authorized for personal use by individuals. Copyright infringements are prohibited by law.***
- ***"Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards.***

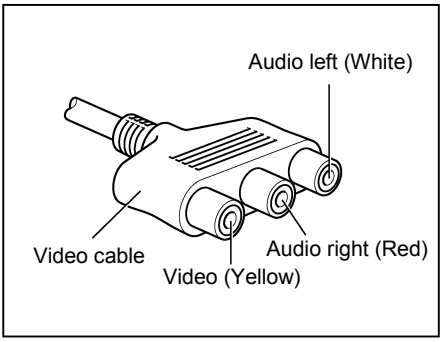


- ***"Works with iPhone" means that an electronic accessory has been designed to connect specifically to iPhone and has been certified by the developer to meet Apple performance standards.***



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

— Video operation

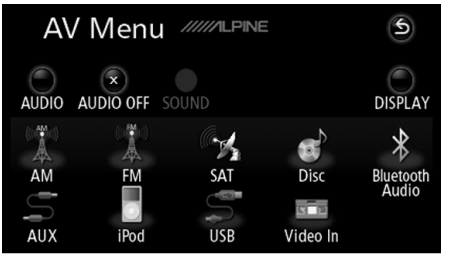


To play a video from a commercially available Video device, connect the device to the Video cable's RCA terminals. Using an Apple Composite AV Cable allows iPod video to be played. For safety reasons, videos can be played only when the ignition is switched to ON or ACC and the vehicle is completely stopped with the parking brake set. (If the Video mode is activated while the vehicle is in motion, only the audio will be played. If the commercially available Rear Seat LCD Monitor is connected, the video is shown on the Rear Seat LCD Monitor only.)

INFORMATION
Do not connect the USB connector of the Apple Composite AV Cable to the USB port when the RCA terminals are connected.

- **Viewing the Video**

1. **Push the "AV" button.**

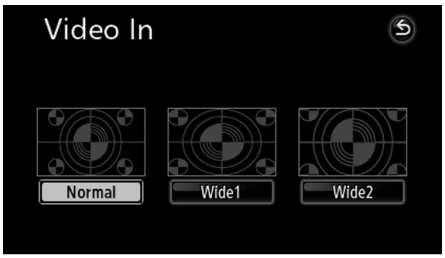


2. **Touch "Video In".**

- **Selecting screen size**



1. Touch “Wide”.



2. Touch “Normal”, “Wide1”, or “Wide2”.

“Normal”: Displays the 3 (H) × 4 (W) screen with the remaining area at both edges in black.

“Wide1”: Displays the 3 (H) × 4 (W) screen with the screen widened left and right in the same ratio to fill the display horizontally.

“Wide2”: Displays the 3 (H) × 4 (W) screen with the screen stretched vertically and horizontally in the same ratio to fill the display.
Change to this mode to display a 9 (H) × 16 (W) screen.

When you touch , the previous screen returns.

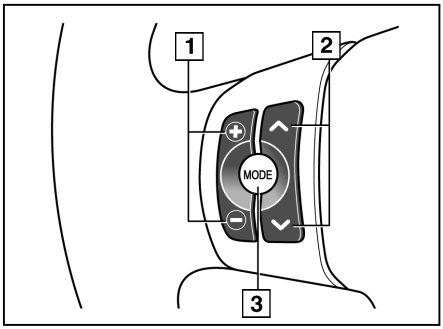
- **Showing the short menu**

Touch the display to show the short menu.

- **Hiding the short menu**

Touch **“OK”** to hide the short menu.

Audio/video remote controls — — Steering switches



Some parts of the audio/video system can be adjusted with the switches on the steering wheel.

Depending on the model or grade, steering wheel switches may not be available.

Details of the specific switches, controls, and features are described below.

1 **Volume control switches**

2 **“∧” “∨” switches**

3 **“MODE” switch**

1 Volume control switch

Push **"+"** side to increase the volume. The volume continues to increase while the switch is being pressed.

Push **"–"** side to decrease the volume. The volume continues to decrease while the switch is being pressed.

2 "∧" "∨" switches

Radio

To select a preset station:
Quickly push and release the **"∧"** or **"∨"** switch. Do this again to select the next preset station.

To seek a station:
Push and hold the **"∧"** or **"∨"** switch until you hear a beep. Do this again to find the next station. If you push either the **"∧"** or **"∨"** switch in seek mode, the seek mode will cancel.

CD/DVD player, Bluetooth® audio, USB player and iPod player

Use this switch to skip up or down to a different track, file or chapter in either direction.

To select a desired track, file or chapter:
Quickly push and release the **"∧"** or **"∨"** switch until the track, file or chapter you want to play is set. If you want to return to the beginning of the current track, file or chapter, push the **"∨"** switch once, quickly.

MP3/WMA disc, USB memory device, Bluetooth® audio and iPod

To select a desired folder, album, or mode:
Push and hold the **"∧"** or **"∨"** switch until you hear a beep. Repeat this until the folder, album, or mode you want to listen to is set.

DVD player

To fast-forward or reverse:

Push and hold the "∧" or "∨" switch until after you hear a beep.

When the switch is released, the DVD player will resume normal playback.

3 "MODE" switch

Each time you push the **"MODE"** switch, the system changed the audio mode.

To turn the audio/video system on, push the **"MODE"** switch.

To turn the audio/video system off, push and hold the **"MODE"** switch until you hear a beep.

Audio/video system operating hints

NOTICE

To ensure correct audio/video system operations:

- ***Be careful not to spill beverages over the audio/video system.***
- ***Do not put anything other than an appropriate disc into the CD/DVD player slot.***
- ***The use of a cellular phone inside or near the vehicle may cause a noise from the speakers of the audio/video system which you are listening to. However, this does not indicate a malfunction.***

Radio reception

Usually, the problem with radio reception does not mean there is a problem with your radio — it is just the normal result of conditions outside the vehicle.

For example, nearby buildings and terrain can interfere with FM reception. Power lines or telephone wires can interfere with AM signals. And of course, radio signals have a limited range, and the farther you are from a station, the weaker its signal will be. In addition, reception conditions change constantly as your vehicle moves.

Here are some common reception problems that probably do not indicate a problem with your radio:

FM

Fading and drifting stations — Generally, the effective range of FM is about 25 miles (40 km). Once outside this range, you may notice fading and drifting, which increase with the distance from the radio transmitter. They are often accompanied by distortion.

Multi-path — FM signals are reflective, making it possible for two signals to reach your antenna at the same time. If this happens, the signals will cancel each other out, causing a momentary flutter or loss of reception.

Static and fluttering — These occur when signals are blocked by buildings, trees, or other large objects. Increasing the bass level may reduce static and fluttering.

AM

Fading — AM broadcasts are reflected by the upper atmosphere — especially at night. These reflected signals can interfere with those received directly from the radio station, causing the radio station to sound alternately strong and weak.

Station interference — When a reflected signal and a signal received directly from a radio station are very nearly the same frequency, they can interfere with each other, making it difficult to hear the broadcast.

Static — AM is easily affected by external sources of electrical noise, such as high tension power lines, lightening, or electrical motors. This results in static.

MP3/WMA files

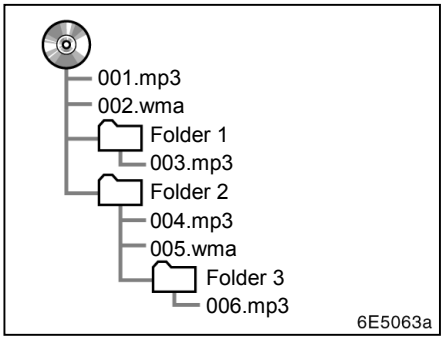
- MP3 (MPEG Audio Layer 3) and WMA (Windows Media Audio) are audio compression standards.
- The MP3/WMA player can play MP3 and WMA files on CD-R and CD-RW discs.

  The unit can play disc recordings compatible with ISO 9660 level 1 and level 2 and with the Romeo and Joliet file system.
- The USB player can play MP3 and WMA files on USB memory device.
- When naming an MP3 or WMA file, add the appropriate file extension (.mp3 or .wma).
- The MP3/WMA player and USB player play back files with .mp3 or .wma file extensions as MP3 or WMA files. To prevent noise and playback errors, use the appropriate file extensions.
- The player can play only the first session using multi-session compatible CDs.
- MP3 files are compatible with the ID3 Tag Ver. 1.0, Ver. 1.1, Ver. 2.2, Ver. 2.3 and Ver. 2.4 formats. The unit cannot display disc title, track title, artist name, and so on in other formats.
- WMA files can contain a WMA tag that is used in the same way as an ID3 tag. WMA tags carry information such as track title, artist name.
- The emphasis function is available only when playing MP3/WMA files recorded at 22.05, 32, 44.1 and 48 kHz. (The system can play MP3 files with sampling frequencies of 8, 11.025, 12, 16 and 24 kHz. However, the emphasis function is not available for files recorded at these frequencies.)
- The sound quality of MP3/WMA files generally improves with higher bit rates. In order to achieve a reasonable level of sound quality, discs and USB memory device recorded with a bit rate of at least 128 kbps are recommended.

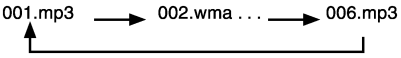
Playable bit rates

MP3 files:
MPEG1 LAYER3—32 to 320 kbps
MPEG2 LAYER3—8 to 160 kbps
MPEG2.5 LAYER3—8 to 160 kbps
WMA files:
Ver. 7, 8, 9—32 to 320 kbps

- The MP3/WMA player does not play back MP3/WMA files from discs recorder using packet write data transfer (UDF format). Discs should be recorded using "pre-mastering" software rather than packet-write software.
- The m3u playlists are not compatible with the audio player.
- MP3i (MP3 interactive) and MP3PRO formats are not compatible with the audio player.
- The MP3 player is compatible with VBR (Variable Bit Rate).
- When playing back files recorded as VBR (Variable Bit Rate) files, the play time will not be correctly displayed if fast-forward or reverse operations are used.
- It is not possible to check folders that do not include MP3/WMA files.
- MP3/WMA files in folders up to 8 levels deep can be played. However, the start of playback may be delayed when using discs containing numerous levels of folders. For this reason, we recommend creating discs and USB memory device with no more than two levels of folders.
- It is possible to play up to 255 folders or 999 files on one disc and USB memory device.



- The play order of the compact disc and USB memory device with the structure shown above is as follows:



CD-R and CD-RW discs

- CD-R/CD-RW discs that have not been subject to the “finalizing process” (a process that allows discs to be played on a conventional CD player) cannot be played.
- It may not be possible to play CD-R/CD-RW discs recorded on a music CD recorder or a personal computer because of disc characteristics, scratches or dirt on the disc, or dirt, condensation, etc. on the lens of the unit.
- It may not be possible to play discs recorded on a personal computer depending on the application settings and the environment. Record with the correct format. (For details, contact the appropriate application manufacturers of the applications.)
- CD-R/CD-RW discs may be damaged by direct exposure to sunlight, high temperatures or other storage conditions. The unit may be unable to play some damaged discs.
- If you insert a CD-RW disc into the player, playback will begin more slowly than with a conventional CD or CD-R disc.
- Recordings on CD-R/CD-RW cannot be played using the DDCD (Double Density CD) system.

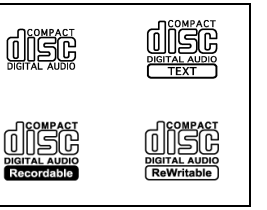
Caring for your CD/DVD player and discs

- Your CD/DVD player is intended for use with 12 cm (4.7 in.) discs only.
- Extremely high temperature can keep your CD/DVD player from working. On hot days, use air conditioning to cool the vehicle interior before you listen to a disc.
- Bumpy roads or other vibrations may make your CD/DVD player skip.
- If moisture gets into your CD/DVD player, you may not hear any sound even though your CD/DVD player appears to be working. Remove the discs from the CD/DVD player and wait until it dries.

⚠CAUTION

- ***CD/DVD player uses an invisible laser beam which could cause hazardous radiation exposure if directed outside the unit. Be sure to operate the player correctly.***
- ***Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.***

CD player

Audio CDs	

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

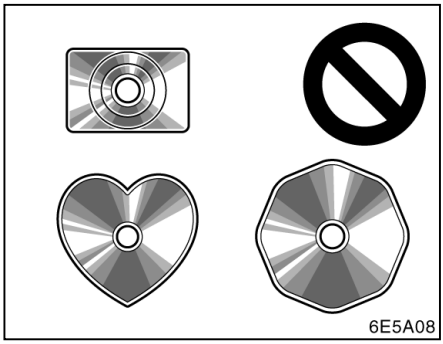
  SACDs
  dts CDs
  Copy-protected CDs

DVD player

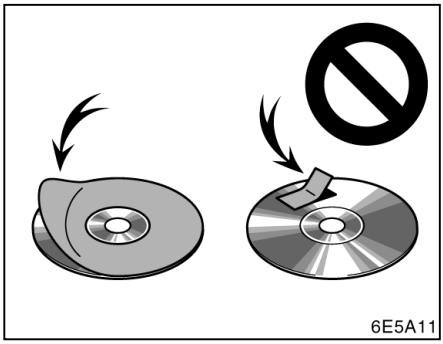
DVD video discs	

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

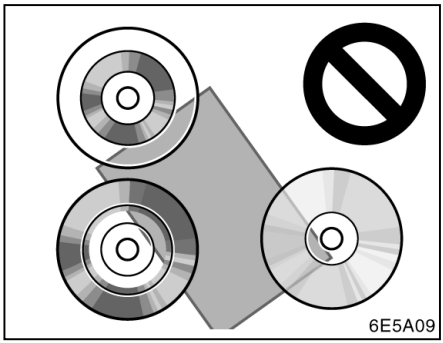
  DVD−RAM



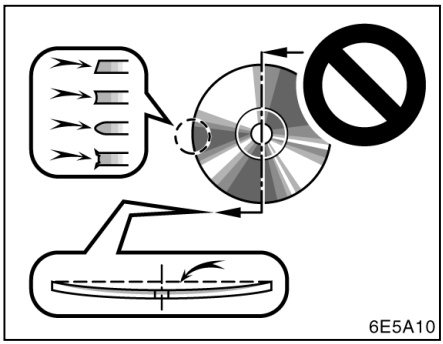
► **Special shaped discs**



► **Labeled discs**



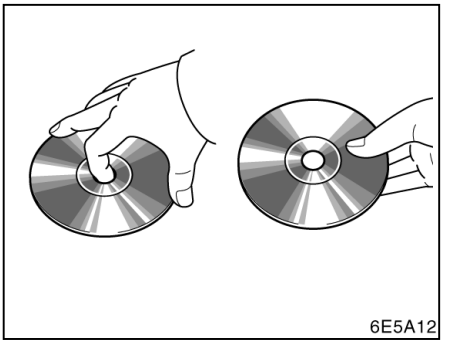
► **Transparent / translucent discs**



► **Low quality discs**

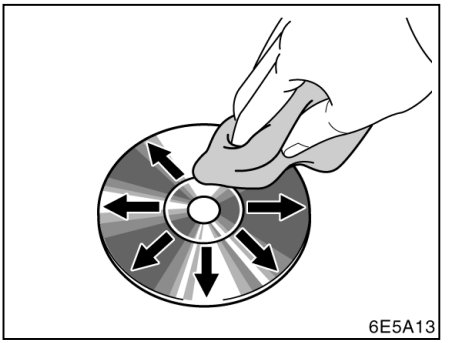
NOTICE

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



► **Correct** ► **Wrong**

- Handle discs carefully, especially when you are inserting them. Hold them on the edge and do not bend them. Avoid getting fingerprints on them, particularly on the shiny side.
- Dirt, scratches, warping, pin holes, or other disc damage could cause the player to skip or to repeat a section of a track. (To see a pin hole, hold the disc up to the light.)
- Remove discs from the player when you are not using them. Store them in their plastic cases away from moisture, heat, and direct sunlight.



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

Files in a USB memory device

If there are many files other than MP3 or WMA files in the USB memory device, it may take time to search for an MP3 or WMA file, adversely affecting the smooth operation of the device. (It is recommended that files other than .mp3 or .wma are not stored in these memory devices.)

USB memory devices with external power sources

Vehicles with smart entry and start system —

USB memory devices with external power sources such as USB audio devices may not be recognized correctly even if the “ENGINE START STOP” switch is turned to ACCESSORY or IGNITION ON mode. In this case, turn the “ENGINE START STOP” switch to ACCESSORY or IGNITION ON mode again, or remove the USB memory device and then plug it in again.

Vehicles without smart entry and start system —

USB memory devices with external power sources such as USB audio devices may not be recognized correctly even if the engine switch is turned to the “ACC” or “ON” position. In this case, turn the engine switch to the “ACC” or “ON” position again, or remove the USB memory device and then plug it in again.

USB memory device

The table below shows the tested USB memory devices. Depending on its condition, the USB memory device may not operate properly.

Model	Manufacturer	Serial No.	Capacity
JetFlash V30 1GB	Transcend	505024-2172	1GB
JetFlash V10 8GB	Transcend	201061-2998	8GB
DataTraveler 1GB	Kingston	EC08610-3475122	1GB
DataTraveler 8GB	Kingston	CC12823-00039574	8GB
attache 2GB	PNY TECHNOLOGIES	8E80-0009	2GB
POCKETBIT MINI 1GB	SONY	07718BBCB	1GB
POCKETBIT MINI 512MB	SONY	08214BCCV	512MB
USB FLASH MEMORY 1GB	TOSHIBA	7441H910168NM8N	1GB
Swivel Flash Drive 8GB	Imation	8E80-0014	8GB
Swivel Flash Drive 256MB	Imation	8E80-0016	256MB
USB Drive 4GB	Verbatim	07070406604G088058AA	4GB
Cruzer Contour 8GB	San Disk	8E80-0020	8GB
CruzerMicro512MB (White)	San Disk	8E80-0021	512MB
USB Drive 2GB	Verbatim	07071706602G030669AA	2GB
USB 2GB	extrememory	8E80-0024	2GB
POCKETBIT 16GB	SONY	08529EDCB	16GB
USB Drive 2GB	CORSAIR	8E80-0027	8GB
JumpDrive Lightning 2GB	Lexar	8E80-0029	2GB
Flash Drive 1GB	EMTEC	8E80-0031	1GB

TERMS

Packet write—

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

ID3 Tag—

This is a method of embedding track-related information in an MP3 file. This embedded information can include the track title, the artist's name, the album title, the music genre, the year of production, comments and other data. The contents can be freely edited using software with ID3 tag editing functions. Although the tags are restricted to the number of characters, the information can be viewed when the track is played back.

WMA Tag—

WMA files can contain a WMA tag that is used in the same way as an ID3 tag. WMA tags carry information such as track title, artist name.

ISO 9660 format—

This is the international standard for the formatting of CD-ROM folders and files. For the ISO 9660 format, there are two levels of regulations.

Level 1:

The file name is in 8.3 format (8 character file names, with a 3 character file extension. File names must be composed of one-byte capital letters and numbers. The "_" symbol may also be included.)

Level 2:

The file name can have up to 31 characters (including the separation mark "." and file extension). Each folder must contain fewer than 8 hierarchies.

m3u—

Playlists created using "WINAMP" software have a playlist file extension (.m3u).

MP3—

MP3 is an audio compression standard determined by a working group (MPEG) of the ISO (International Standard Organization). MP3 compresses audio data to about 1/10 the size of that on conventional discs.

WMA—

WMA (Windows Media Audio) is an audio compression format developed by Microsoft. It compresses files into a size smaller than that of MP3 files. The decoding formats for WMA files are Ver. 7, 8, and 9.

SECTION 7

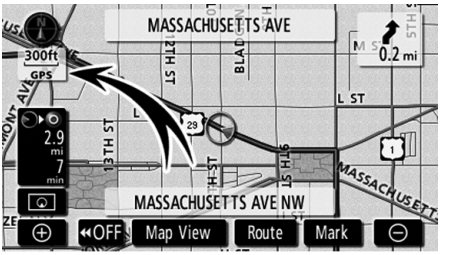
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- **Map database information and updates** ····· 272
  - Confirming the database version and SD memory card coverage area ····· 273
  - Changing the map SD memory card ····· 273
- Specifications ····· 275

Limitations of the navigation system

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

The Global Positioning System (GPS) developed and operated by the U.S. Department of Defense provides an accurate current vehicle position, normally using 4 or more satellites, and in some cases 3 satellites. The GPS system has a certain level of inaccuracy. While the navigation system will compensate for this most of the time, occasional positioning errors of up to 300 feet (100 m) can and should be expected. Generally, position errors will be corrected within a few seconds.



When your vehicle is receiving signals from the satellites, the “GPS” mark appears at the top left of the screen.

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

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

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

NOTICE

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

(a) Accurate current vehicle position may not be shown in the following cases:

- When driving on a small angled Y-shaped road.
- When driving on a winding road.
- When driving on a slippery road such as in sand, gravel, snow, etc.
- When driving on a long straight road.
- When freeway and surface streets run in parallel.
- After moving by ferry or vehicle carrier.
- When a long route is searched during high speed driving.
- When driving without setting the current position calibration correctly.
- After repeating a change of direction by going forward and backward, or turning on a turntable in the parking lot.
- When leaving a covered parking lot or parking garage.
- When a roof carrier is installed.
- When driving with tire chains installed.
- When the tires are worn.
- After replacing a tire or tires.
- When using tires that are smaller or larger than the factory specifications.
- When the tire pressure in any of the four tires is not correct.

INFORMATION

If your vehicle cannot receive GPS signals, you can correct the current position manually. For information on setting the current position calibration, see page 117.

(b) Inappropriate route guidance may occur in the following cases:

- When turning at an intersection off the designated route guidance.
- If you set more than one destination but skip any of them, auto reroute will display a route returning to the destination on the previous route.
- When turning at an intersection for which there is no route guidance.
- When passing through an intersection for which there is no route guidance.
- During auto reroute, the route guidance may not be available for the next turn to the right or left.
- It may take a long time to operate auto reroute during high speed driving. In auto reroute, a detour route may be shown.
- After auto reroute, the route may not be changed.
- An unnecessary U-turn may be shown or announced.
- A location may have multiple names and the system will announce one or more.
- Some routes may not be searched.
- If the route to your destination includes gravel, unpaved roads or alleys, the route guidance may not be shown.
- Your destination point might be shown on the opposite side of the street.
- When a portion of the route has regulations prohibiting the entry of the vehicle that vary by time or season or other reasons.
- The road and map data stored in your navigation system may not be complete or may not be the latest version.

After replacing a tire, implement the operation described in the "TIRE CHANGE CALIBRATION". (See page 118.)

This navigation system uses tire turning data and is designed to work with factory-specified tires for your vehicle. Installing tires that are larger or smaller than the originally equipped diameter may cause inaccurate display of the vehicle's position. The tire pressure also affects the diameter of the tires so please make sure the tire pressure of all four tires are correct.

Map database information and updates —

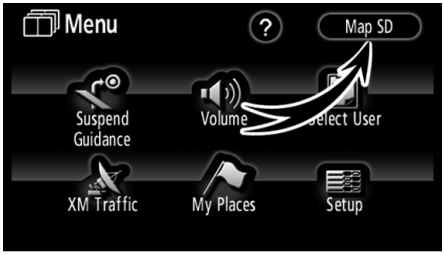
In order to provide you with as accurate map information as possible, we are always gathering information such as on road repairs and carrying out on-site investigations. However, the names of roads, streets, facilities, and their locations frequently change. In some places, construction on roads may be in progress. For that reason, information on some areas in this system might be different from the actual location.

The map database is normally updated once a year. Contact your dealer for information about the availability and pricing of an update.

INFORMATION
Do not attempt to store audio or other data files in the map SD memory card.

— Confirming the database version and SD memory card coverage area

1. Push the "NAVI" button.



2. Touch "Map SD".

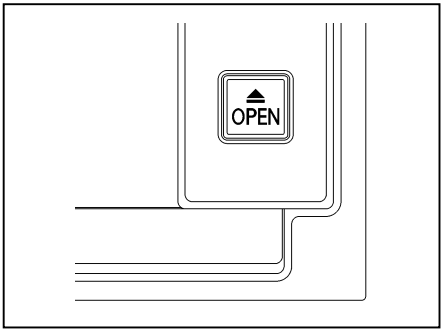


Confirm the database version on this screen.

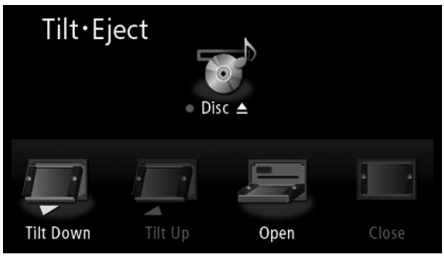
To display the SD memory card coverage area, touch **"Covered Area"**. Confirm the covered area on the screen.

Contact any your dealer to find out if there is a more recent update available.

— Changing the map SD memory card



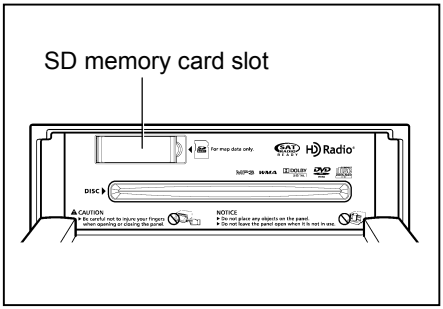
1. Push the "⏏ OPEN" button.



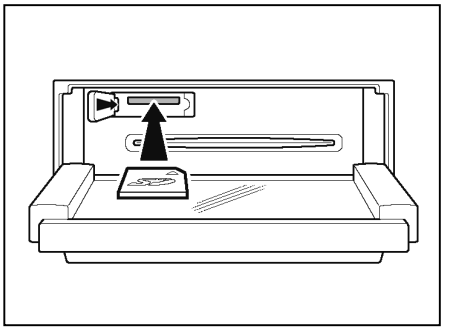
2. Touch "Open".

The display can also be opened by pushing the **"⏏ OPEN"** button for approximately 1 second until a beep sound is emitted.

The display opens to reveal SD memory card slot.



3. Open the SD memory card slot cover and push the map SD memory card lightly to remove it.



4. Insert the new map SD memory card and close the slot cover.



5. Touch "Close" to close the display.

The display can also be closed by pushing the **"⏏ OPEN"** button for approximately 1 second until a beep sound is emitted.

The map database is normally updated once a year. Contact any your dealer for information about the availability and pricing of an update.

⚠CAUTION

- **Do not place anything on the opened display, as such items may be thrown about and possibly injure people in the vehicle during sudden braking or in an accident.**
- **To reduce the chance of injury in the case of an accident or sudden stopping while driving, keep the display closed.**
- **Take care not to jam your hand while the display is moving. Otherwise, you could be injured.**
- **Keep SD memory cards out of reach of children as there is a danger of swallowing. If swallowed, seek medical advice immediately.**

NOTICE

Do not obstruct the display while it is moving. It could damage your navigation system.

Specifications

<GPS antenna>

Dimensions	26.0 x 30.0 x 12.9 (mm)
Weight	50 (g)
Power supply voltage	4.0 to 5.0 (V)
Power consumption	10 to 30 (mA)
Usage temperature	-30 to +90 (°C)
Storage temperature	-40 to +110 (°C)

<Display>

Liquid crystal panel	7” wide (16:9) low−glare panel
Screen dimensions	158.6 mm (width), 84.3 mm (height), 179.6 mm (diagonal)
Pixel count	280,800 dots (400 (width) × 234 (height) × 3 RGB)
Active pixel rate	More than 99.99%
Display format	Transmissive color filter format
Drive system	TFT (thin membrane transistor) active matrix format
Usage temperature range	-20 to +65 (°C)
Storage temperature range	-40 to +85 (°C)

<Radio tuner>

Reception frequency	● AM 530 to 1,710 kHz ● FM 87.75 to 107.9 MHz
Noise limited sensitivity	● Less than AM 34 dBμ (S/N = 20 dB) ● Less than FM 14 dBμ (S/N = 30 dB)
Stereo separation	More than 25 dB

<CD>

Distortion	Less than 0.3%
Frequency characteristic	20 to 20,000 Hz
S/N ratio	More than 65 dB (1 kHz)
Stereo separation	More than 60 dB

<Common component>

Rated output	More than 14 W x 4 (test voltage 14.4V)
Maximum output	More than 20 W x 4 (test voltage 14.4V)
Suitable load impedance	4Ω (each channel)
Power consumption	● 1 W x 4 output time about 4.1 A ● About 15 A max
Exterior dimensions	205.5 mm (width), 104 mm (height), 161.5 mm (depth)
Weight	About 2.7 kg

- Please note that due to changes in specifications and external appearance, the content of this manual may not correspond exactly with the actual device.
- The number of parts and circuits may be changed to improve functionality without prior notice.

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