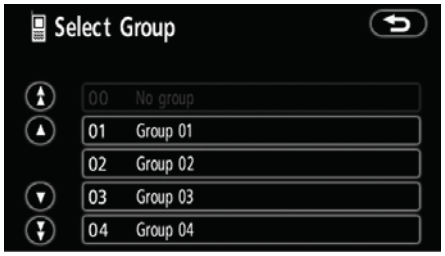
- **Registering a group name**

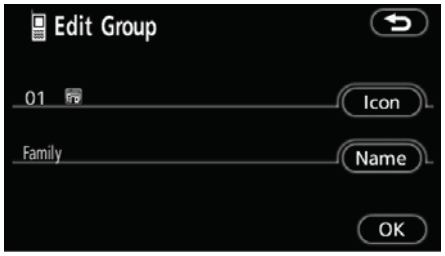
You can register 20 groups. "No group", "Group 01" - "Group 19" is registered by default.

You can change **"Group 01" - "Group 19"** into desired names.

1. Touch "Register" of "Group Name".

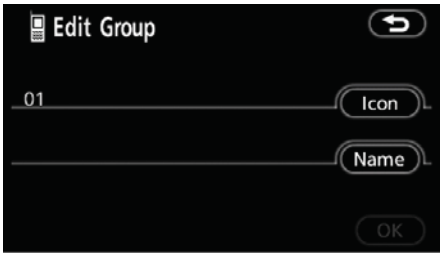


2. Select the group you want to register.

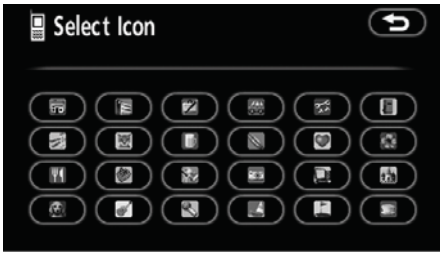


3. When you complete all the edit, touch "OK".

- **Selecting a group icon**

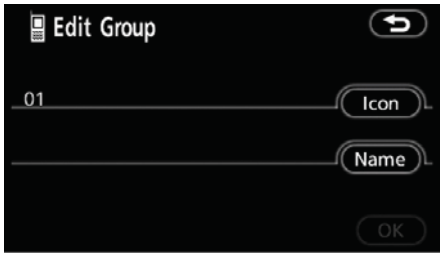


1. Touch "Icon".



2. Select the desired icon.

- **Editing a group name**



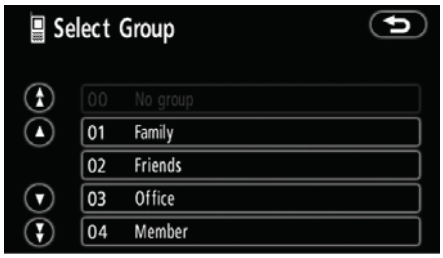
1. Touch “Name”.

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**

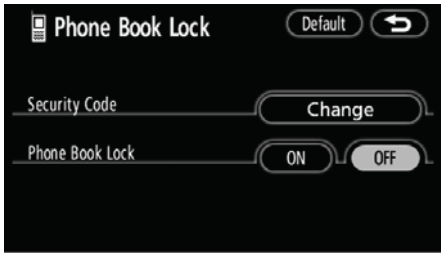
The security code is 4 digits and the default is "0000".

Change a new code that is hard for other people to know.

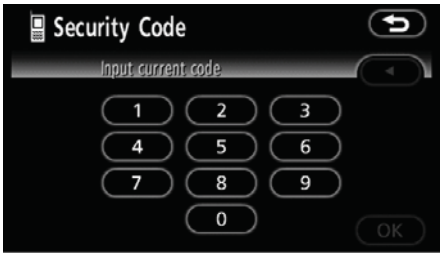
When you change the security code, don't forget the code. The dealers cannot unlock the security when you forget it.

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 161.)

1. Touch "Phone Book Lock".



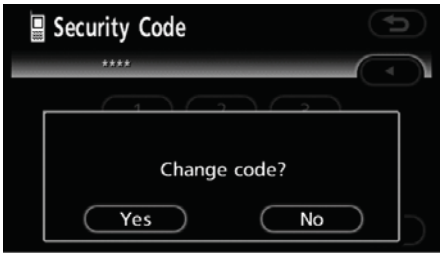
2. Touch "Change".



3. Input the current code.

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

4. Input a new code.



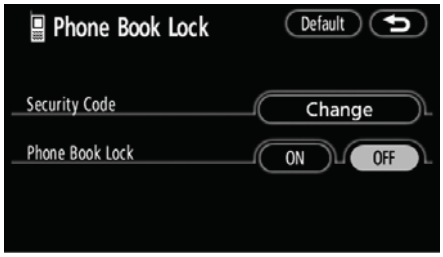
5. Touch "Yes".

- **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.

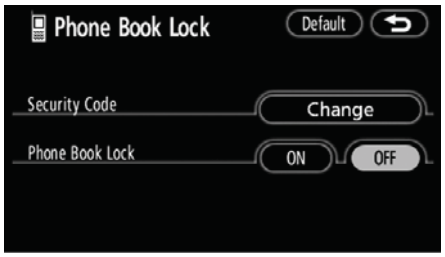


1. Touch "ON".

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.

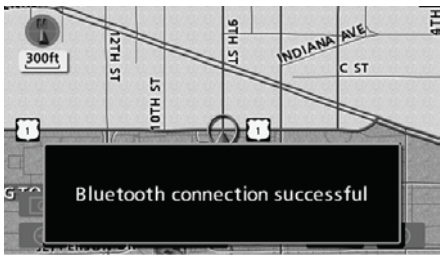
You can select the Bluetooth® phone from a maximum of 6 numbers.

"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.

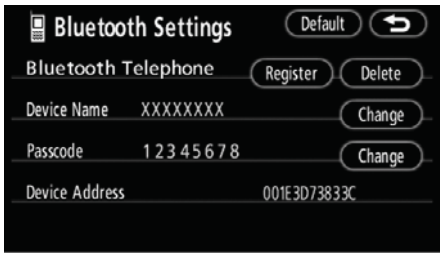
You can input up to 20 characters.

4. Input a passcode with 4 - 8 digits.

When you touch ◄, the input number is deleted.

- **Initializing the Bluetooth® settings**

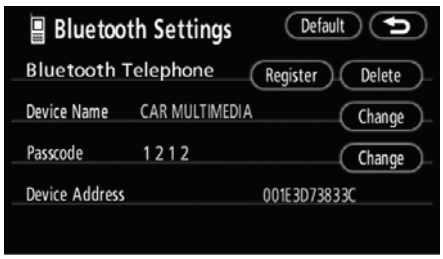
You can initialize the settings.



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 .

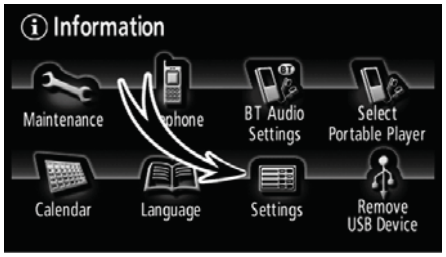
Screen adjustment

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 XX.

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

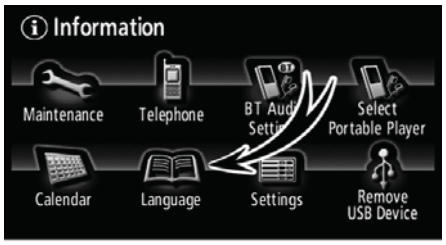
You can select the color of the touch screen buttons.

Select "Amber" or "Green" and then touch "OK".

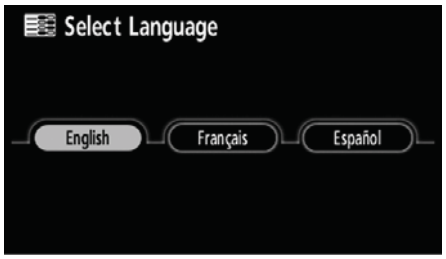
Select language

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 ····· 174
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  - Some basics ····· 175
  - Screen adjustment ····· XX
  - Radio operation ····· 181
  - CD player operation ····· 192
  - DVD player operation ····· XX
  - USB player operation ····· 202
  - Bluetooth® audio operation ····· 211
  - AUX operation ····· 225
  - iPod operation ····· 227
  - Video operation ····· XX
- Audio/video remote controls ····· 235
- Audio/video system operating hints ····· 236

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 177.

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 XX.

3 **"VOL" button**
Push **"▲"** or **"▼"** button of **"VOL"** to adjust the volume. For details, see page 176.

4 **"AV" button**
Push this button to display the "AV Menu" screen. For details, see page XX.

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 182, 188, 194, 198, 207, 218 and 231.

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

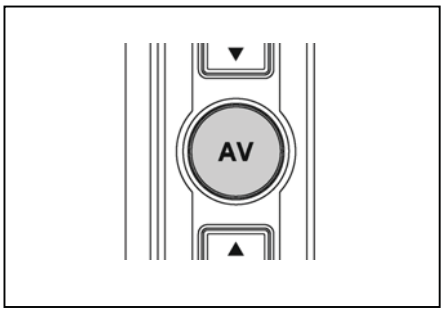
- **Part 15 of the FCC Rules**

  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 XX 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.

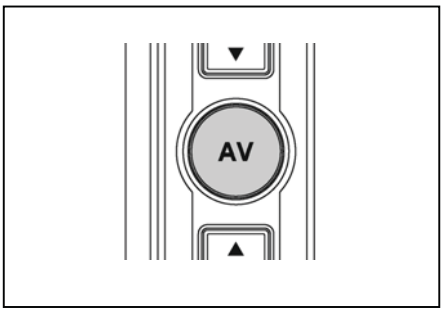
EJECTING A DISC

1. Push the "⏏ OPEN" button.

2. Touch "Disc ⏏".

The disc will be ejected. A disc can then be inserted.

- **Switching between functions**



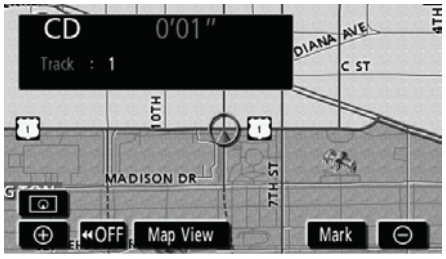
1. Push the "AV" button.

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 set, 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.

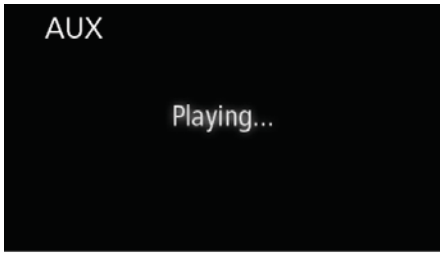
You can turn off the CD/DVD player by ejecting the disc. If the audio/video system was previously off, then the entire audio/video system will be turned off when you eject the disc. If another function was previously playing, it will come on again.

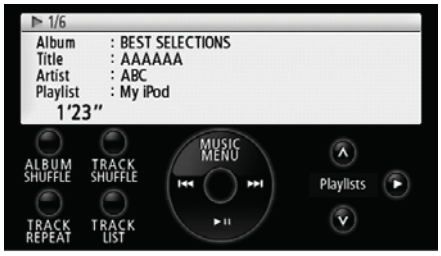
DVD 00:01'23"
Title : 1
Chapter: 1
Page 1
Setup
Top Menu
Menu
Hide Buttons
Subtitle
Audio
Angle

USB 1'23"
MP3
Folder : 1
File : 1
UP
DOWN
Folder
LIST
DETAIL
REPEAT
SCAN
RANDOM
Title
Folder : ROOT FOLDER
File : AAAAA

Bluetooth Audio
1'23"
Track : 1
UP
DOWN
Album
REPEAT
RANDOM
CONNECT
Title
Album : BEST SELECTIONS
Title : Drive Your Dreams
Artist : ABC

Video In
Wide
OK


AUX
Playing...


1/6
Album : BEST SELECTIONS
Title : AAAAAA
Artist : ABC
Playlist : My iPod
1'23"
ALBUM SHUFFLE
TRACK SHUFFLE
MUSIC MENU
Playlists
TRACK REPEAT
TRACK LIST

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 XX.)

"SSP": The optimum acoustic environment can be created by setting vehicle information. (See page XX.)

"Auto Vol": Detects the vehicle speed and adjusts the volume accordingly. (See page XX.)

"Focus": Allows the time taken for the sound to reach the listener's ear from each speaker to be adjusted. (See page XX.)

"FAD BAL": Allows the front, rear, left, and right volume balance to be adjusted. (See page XX.)

"Sub Woofer": Allows the subwoofer output level and phase control to be set. (See page XX.)

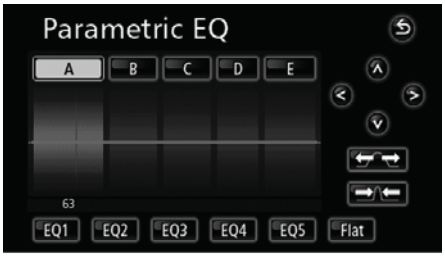
- **P.EQ (Parametric Equalizer) adjustments**

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

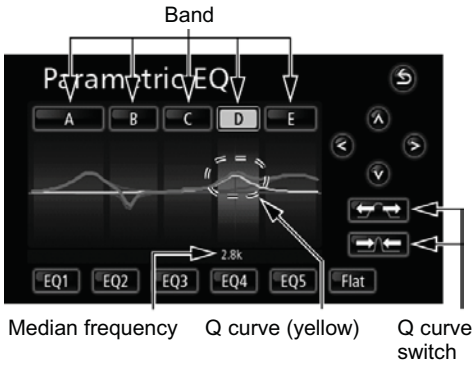
EQ 4: CLASSICAL

EQ 5: VOCAL

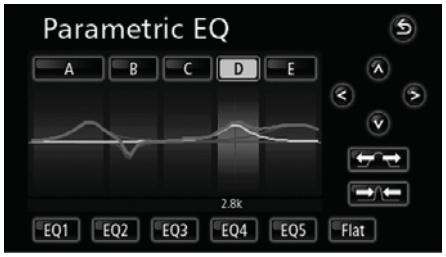
Flat: No EQ offset

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.

"Neutral": 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.

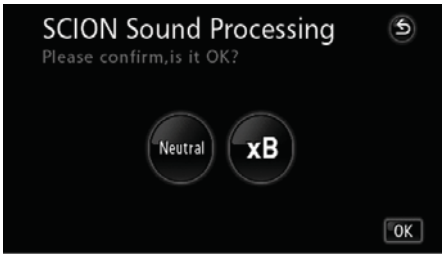
For more details, please visit the SCION Web site at http://www.scion.com/.

1. Touch "SSP" to display the "SCION Sound Processing" screen.

2. Touch sound type.

Touch **"Off"** to cancel the SSP settings and return to the **"Sound"** screen.

3. Touch vehicle type.



4. Touch "OK".

Touch to change the setting.

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".

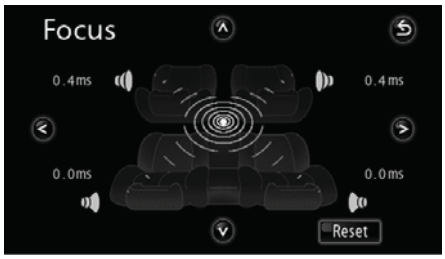
Touch **"Off"** to clear the settings.

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.

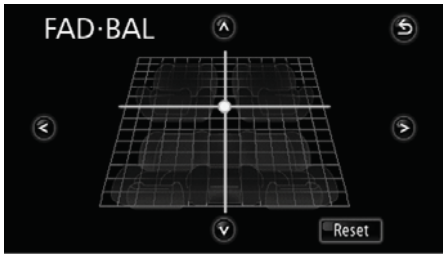
Touch , , , or to make fine adjustments.

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.

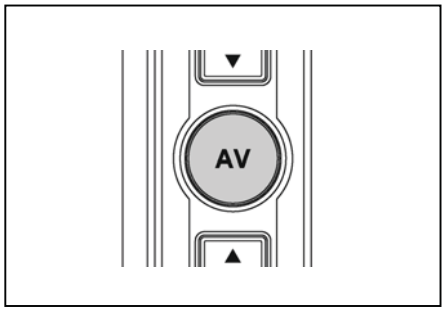
<: Increases level.

— 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".

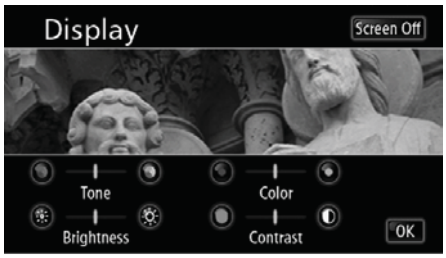
The screen goes off when **"Screen Off"** is touched. To turn the display screen back on, push any button such as **"AV"**, etc. The selected screen appears.

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.

- **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 XX.

- **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 Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. 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.

— 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 can also receive analog broadcasts, which means reception is still possible in regions with no digital coverage.

- **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**

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. 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.

— 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 pre-set 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 194
- MP3/WMA disc 197

For appropriate discs for this player, see “Audio/video system operating hints” on page 236.

(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 begin playback.

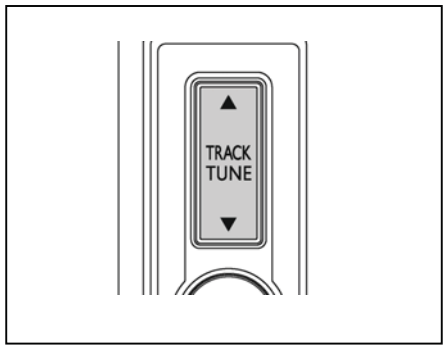
(b) Operating an audio CD

- **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.

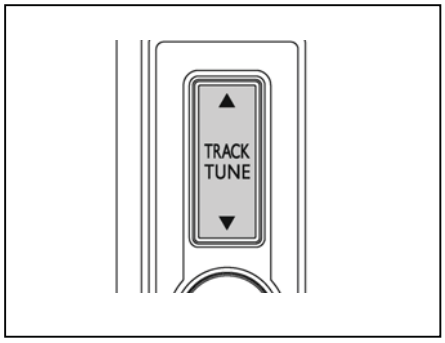
Touch the desired folder number. The player will start playing the first file of the selected folder.

: 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.

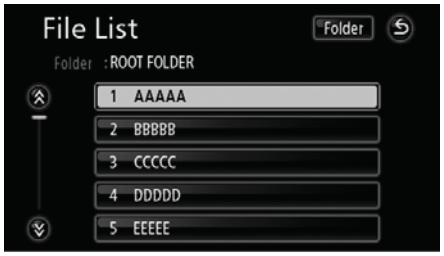
Push the **"▲"** or **"▼"** button of **"TRACK/TUNE"** and repeat until the desired file number appears on the display. As you release the button, the player will start playing the selected file from the beginning.

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 XX.

If "DVD Error" appears on the display: The following causes are possible.

- There is a trouble inside the system. Eject the disc.
- It indicates that the inside of the player unit may be too hot due to the very 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 XX.

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 XX.

- **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 XX.)

- **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 XX.)

: 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 XX and XX.)

"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 XX.)

"Audio": The audio changing screen appears. (See page XX.)

"Angle": The angle selection screen appears. (See page XX.)

: The menu control key appears on the screen. (See page XX.)

- **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.

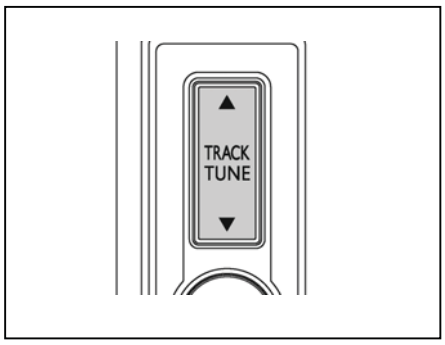
Touch **"Direct"** to enable direct touch operation.

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**

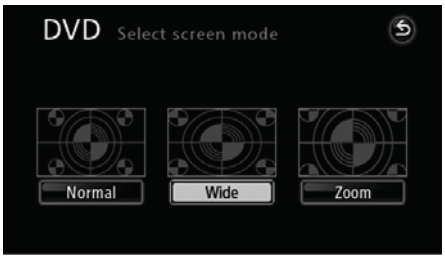
The angle can be selected for discs that are multi−angle compatible when the angle mark appears on the screen.

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.

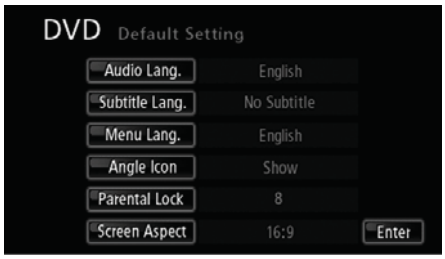
When you touch , the previous screen returns.

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 XX.)

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 XX.

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 XX.

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 XX.

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.

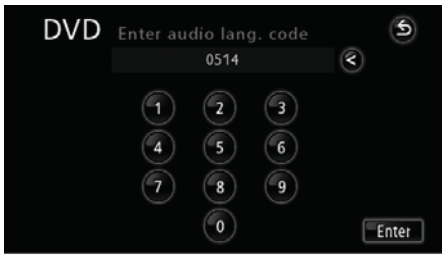
In the case of DVD software recorded with a screen size of 4:3, the video fits the screen size perfectly (4:3).

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 XX.

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 trouble inside the system. Eject the disc.
- It indicates that the inside of the player unit may be too hot due to the very 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 XX.

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.

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— 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 236.

⚠CAUTION

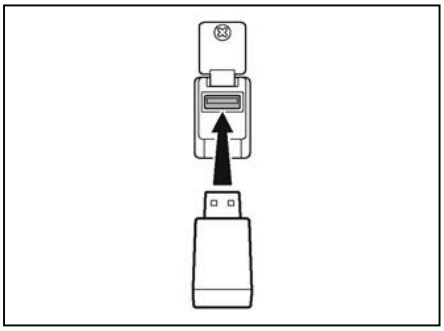
Do not insert or eject the USB memory device while driving.

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.

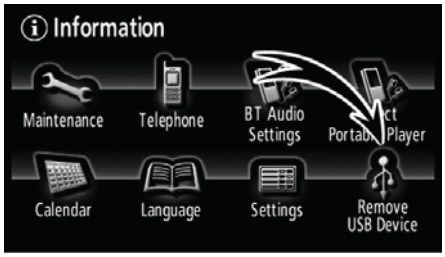
After insertion, the set USB memory device is automatically loaded.

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's 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 begin 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.

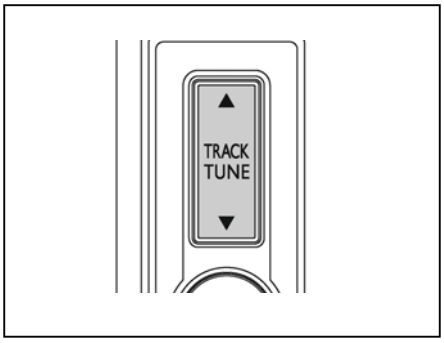
Touch the desired folder number. The USB player will start playing the first file of the selected folder.

: 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**

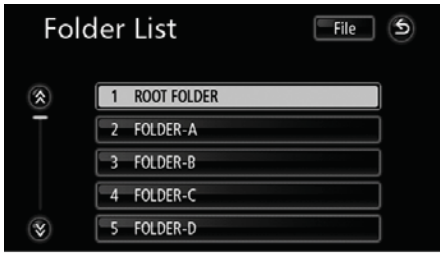


"▲" or **"▼"** button of **"TRACK/TUNE":** Use for direct access to a desired file.

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.

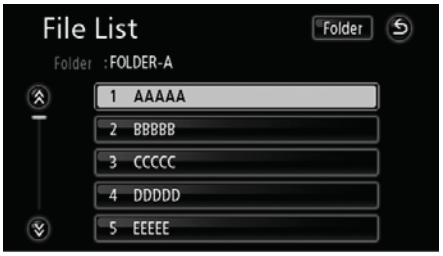
Fast forward: Push the **"▲"** button of **"TRACK/TUNE"** and hold it to fast forward the USB memory device. When you release the button, the USB player will resume playing from that position.

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.

"Portable player is not connected." 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.

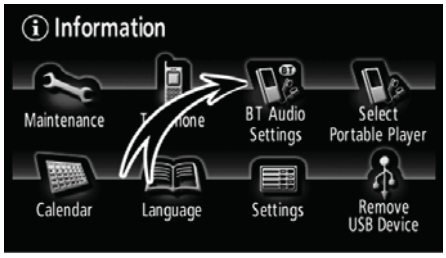
The portable player information is registered when the Bluetooth® audio system is connected. When you release possession of your vehicle, remove your portable player. (See "Deleting a portable player" on page 224.)

(a) Enter a Bluetooth® audio player

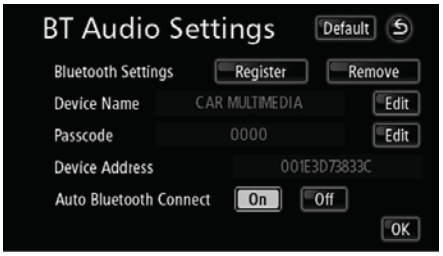
To use the Bluetooth® audio system, you need to enter your portable player into the system. Once you have registered it, you can enjoy your music on the vehicle's audio system.

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.

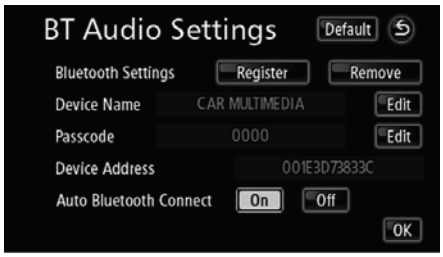
INFORMATION

- ***The passcode is used to register the portable player in the vehicle's audio system. You can create a password of your choice. (See "Changing the Bluetooth® audio settings" on page 220)***
- ***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 "Changing the Bluetooth® audio settings" on page 220)***
- ***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.

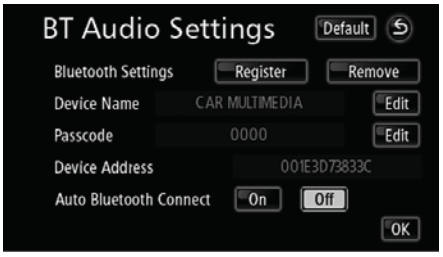
This screen appears when the Bluetooth® portable player is first connected after the "ENGINE START STOP" switch is turned to the ACCESSORY or IGNITION ON mode.

Vehicles without smart entry and start system—

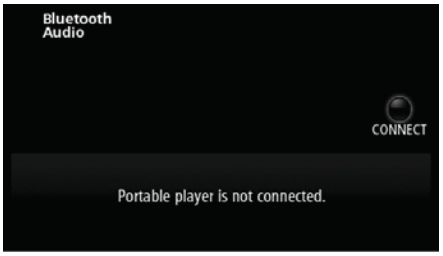
When the engine switch is in the ACC or ON position, the selected Bluetooth® portable player will be automatically connected and the connection result is displayed.

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**

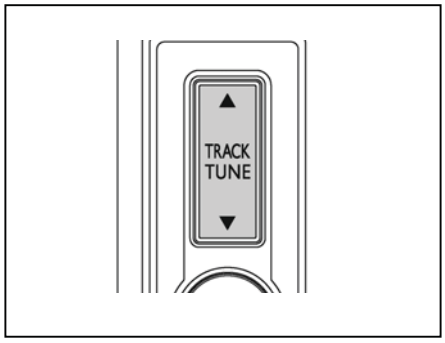
Push the "AV" button and touch "AUDIO" to display this screen.

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.

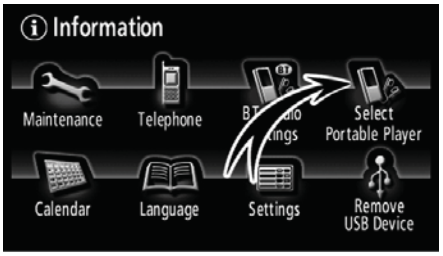
The system selects a track from the portable audio player. To cancel this function, touch **"RANDOM"** once again.

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 the 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 215) 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.

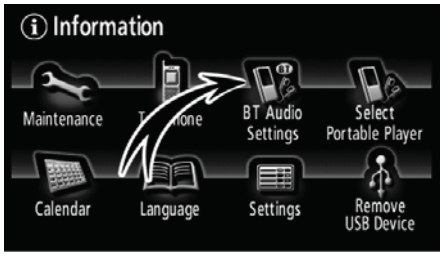
"Passcode"

..... The password when you register your portable audio player in the system. You can change it into the figure of 4-8 digits.

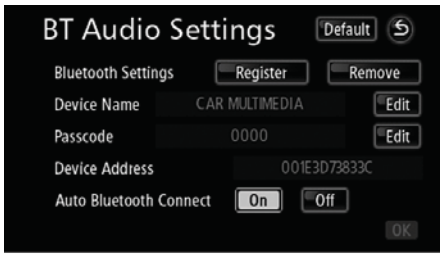
"Device Address"

..... 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".

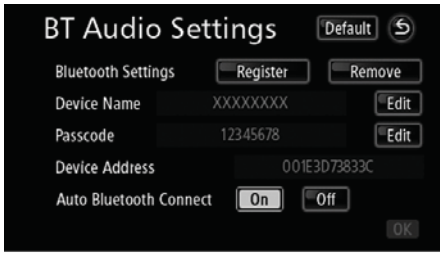
3. Use the software keyboard to input the device name.

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**

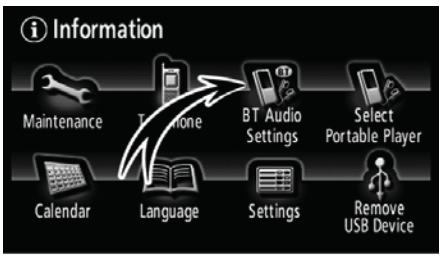
You can initialize the settings.



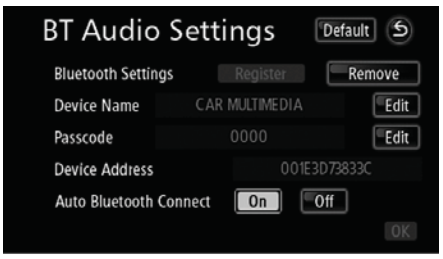
1. Touch “Default”.

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

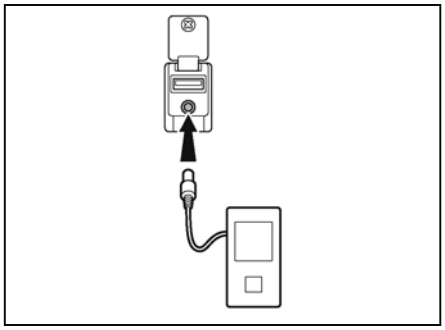
Music stored on commercially available portable audio devices can be played back by connecting the devices to the audio system.

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

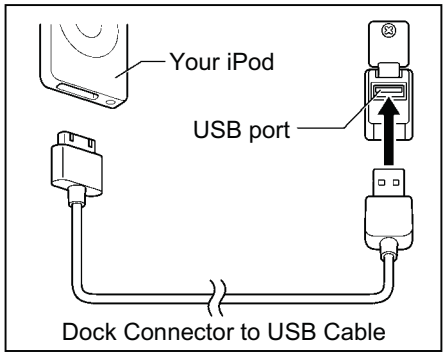
iPod music files can be played by connecting your iPod to the audio system. Furthermore, it is also possible to perform such operations as selecting tracks from the play list and changing the shuffle mode at the audio system.

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 XX.

(a) Connecting or disconnecting your iPod

- **Connecting your iPod**

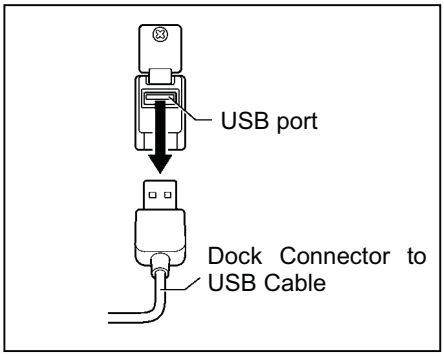


Connect your iPod with the Dock Connector to USB Cable.

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 235) 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.*
- *If your iPod is connected to the audio system with the iPod power OFF, "SCION" will not display, and the "Charging complete" mark may display. If this happens, push any button on your iPod to display "SCION".*
- *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.*

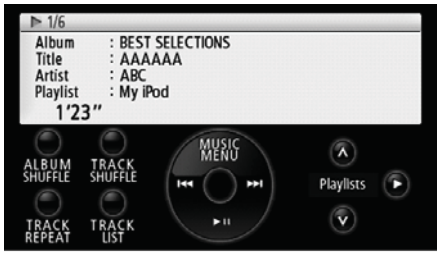
- ***Vehicles with smart entry and start system—***
  The connected iPod will be turned off about two minutes after the "ENGINE START STOP" switch is turned off.
  Vehicles without smart entry and start system—
  The connected iPod will be turned off about two minutes after the engine switch is turned to the LOCK position.

(b) Playing your iPod

Push the "AV" button and touch "iPod" if your iPod is already connected. The iPod will begin playing.

(c) Operating your iPod

- **Playing your iPod**



Push the "AV" button and touch "AUDIO" to display this screen.

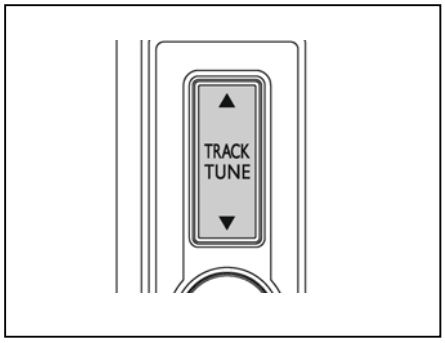
Touch "▶II" to pause playback.

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.***

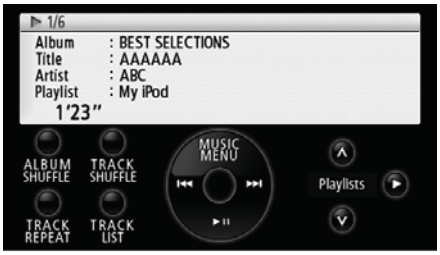
- **Selecting a desired music file**



"▲" 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.

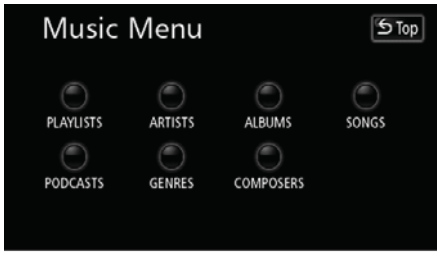
Touch a music file to play back the selected file.

- **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.

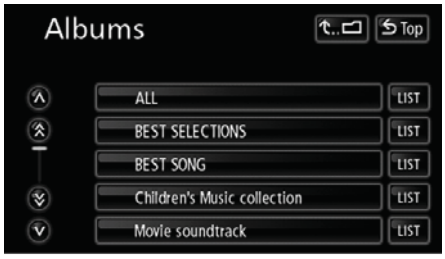
1. Touch "MUSIC MENU".

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.

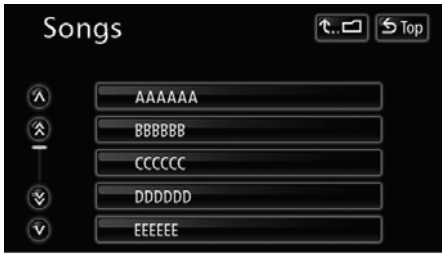
Touch the list to playback the first music file in the selected list.

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.

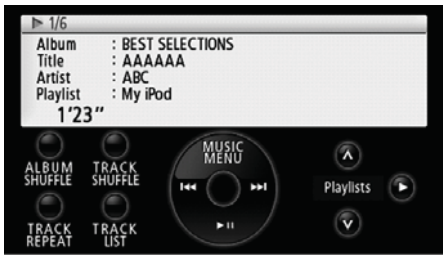


4. Touch the applicable touch screen button to select the music file to be played back.

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 following iPods can be used with the audio system. However, operation may not be possible depending on the condition of the iPod.

iPod−

5th generation

iPod nano−

1st generation, 2nd generation, 3rd generation, 4th generation

iPod classic−

iPod touch−

1st generation, 2nd generation

iPhone−

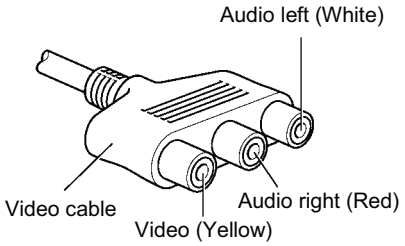
1st generation

iPhone 3G−

INFORMATION

- ***iPod® is a trademark of Apple Computer, 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.***

— 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.

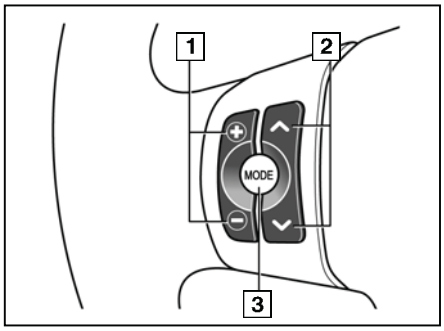
- **Showing the short menu**

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.

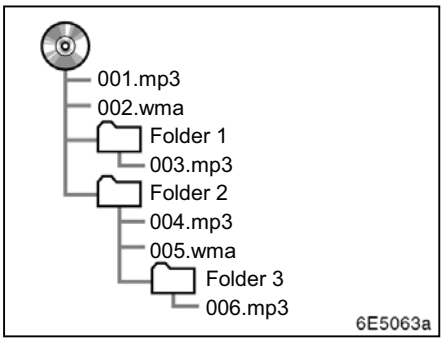
MP3/WMA files

- 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.

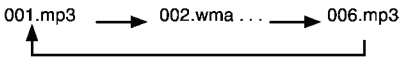
  The unit can play disc recordings compatible with ISO 9660 level 1 and level 2 and with the Romeo and Joliet file system.
- The USB player can play MP3 and WMA files on USB memory device.
- When naming an MP3 or WMA file, add the appropriate file extension (.mp3 or .wma).
- The MP3/WMA player and USB 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	COMPACT disc DIGITAL AUDIO COMPACT disc DIGITAL AUDIO TEXT COMPACT disc DIGITAL AUDIO Recordable COMPACT disc DIGITAL AUDIO ReWritable

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

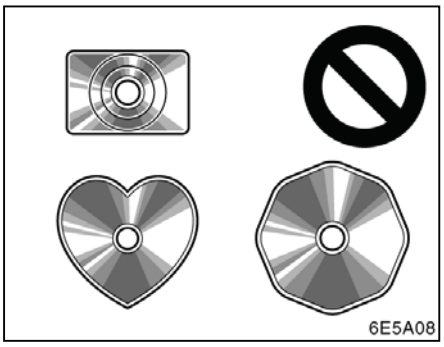
  SACDs
  dts CDs
  Copy-protected CDs

DVD player

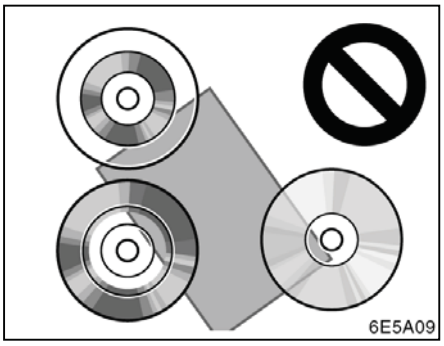
DVD video discs	DVD VIDEO DVD VIDEO

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

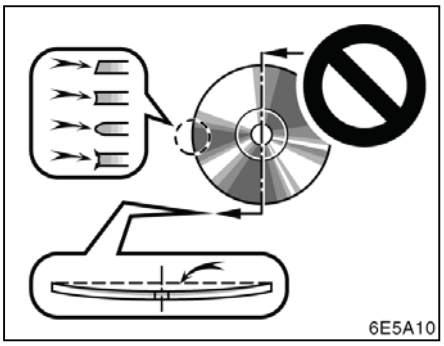
  DVD−RAM



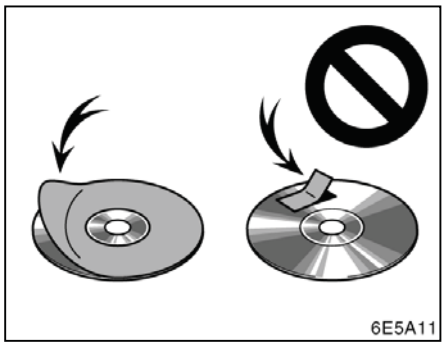
► **Special shaped discs**



► **Transparent / translucent discs**



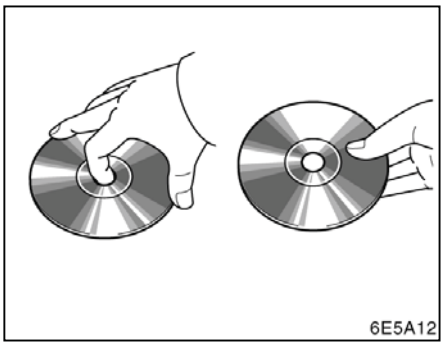
► **Low quality discs**



► **Labeled discs**

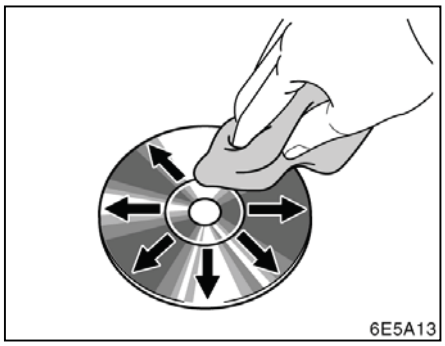
NOTICE

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

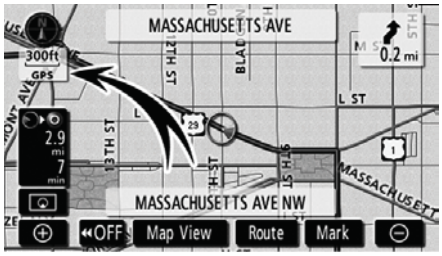
APPENDIX

- Limitations of the navigation system ····· 246
- **Map database information and updates** ····· 248
  - Confirming the database version and SD memory card coverage area ····· 249
  - Changing the map SD memory card ····· 249
- Specifications ····· 251

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 111.

(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 112.)

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.**

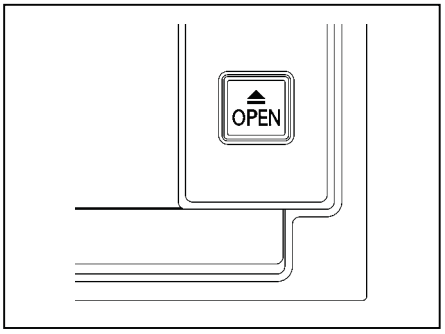
2. **Touch "Map SD".**

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

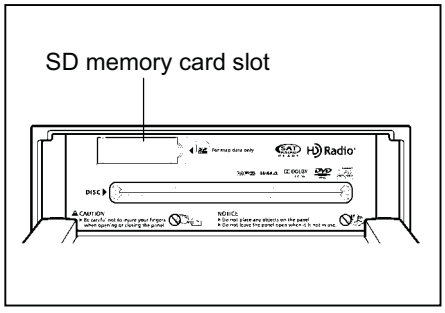


1. **Push the "⏏ OPEN" button.**

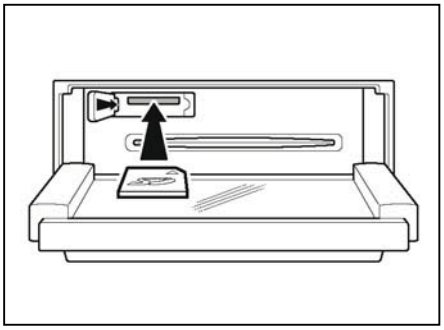
2. **Touch "Open".**

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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