

# Pioneer

---

English

CD RECEIVER

جهاز استقبال مع مشغل اسطوانات CD

# DEH-P4150UB

العربية

**SUPER TUNER III D**

Operation Manual  
كتيب التشغيل

## Contents

*Thank you* for purchasing this PIONEER product.

Please read through this manual before using the product for the first time, to ensure proper use. *After reading, please keep the manual in a safe and accessible place for future reference.*

### 01 Before You Start

- About this unit **5**
- Visit our website **6**
- Protecting your unit from theft **6**
  - Removing the front panel **6**
  - Attaching the front panel **7**
- About the demo mode **7**
- Use and care of the remote control **7**
  - Installing the battery **7**
  - Using the remote control **8**

### 02 Operating this unit

- What's what **9**
  - Head unit **9**
  - Remote control **10**
  - Display indication **10**
- Basic Operations **11**
  - Power ON/OFF **11**
  - Selecting a source **11**
  - Adjusting the volume **12**
- Tuner **12**
  - Basic Operations **12**
  - Storing and recalling broadcast frequencies **12**
  - Introduction to advanced operations **13**
  - Storing the strongest broadcast frequencies **13**
  - Tuning in strong signals **13**
- Built-in CD Player **14**
  - Basic Operations **14**
  - Displaying text information on disc **14**
  - Selecting tracks from the track title list **15**
  - Selecting files from the file name list **15**
  - Introduction to advanced operations **16**
  - Selecting a repeat play range **16**

- Playing tracks in random order **16**
- Scanning folders and tracks **16**
- Pausing playback **17**
- Using Sound Retriever **17**
- Using disc title functions **17**

#### Playing songs on USB portable audio player/ USB memory **18**

- Basic Operations **18**
- Displaying text information of an audio file **18**
- Selecting files from the file name list **18**
- Introduction to advanced operations **18**

#### Playing songs on iPod **20**

- Basic Operations **20**
- Browsing for a song **20**
- Displaying text information on iPod **20**
- Introduction to advanced operations **21**
- Playing songs in a random order (shuffle) **21**
- Playing all songs in a random order (shuffle all) **21**
- Selecting songs from album list of currently playing artist **22**
- Operating this unit's iPod function from your iPod **22**
- Changing audiobook speed **22**

### 03 Audio Adjustments

- Introduction of audio adjustments **23**
- Using balance adjustment **23**
- Using the equalizer **23**
  - Recalling equalizer curves **23**
  - Adjusting equalizer curves **24**
  - Fine-adjusting equalizer curve **24**
- Adjusting loudness **25**
- Using subwoofer output **25**

- Adjusting subwoofer settings **25**
- Using the high pass filter **26**
- Boosting the bass **26**
- Adjusting source levels **26**

## 04 Initial Settings

- Adjusting initial settings **27**
- Setting the clock **27**
- Setting the FM tuning step **27**
- Setting the AM tuning step **27**
- Switching the warning tone **28**
- Switching the auxiliary setting **28**
- Switching the dimmer setting **28**
- Setting the rear output and subwoofer controller **28**
- Switching the feature demo **29**
- Switching the ever scroll **29**
- Activating the BTAUDIO source **29**
- Entering PIN code for Bluetooth wireless connection **29**
- Displaying system version of Bluetooth adapter for repair **30**

## 05 Other Functions

- Using the AUX source **31**
  - About AUX1 and AUX2 **31**
  - AUX1 source: **31**
  - AUX2 source: **31**
  - Selecting AUX as the source **31**
  - Setting the AUX title **31**
- Turning the clock display on or off **31**
- Using the external unit **32**
  - Selecting the external unit as the source **32**
  - Basic operation **32**
  - Using the functions allocated to 1 to 6 keys **32**
  - Advanced operations **32**

## 06 Available accessories

- Playing songs on iPod **33**
  - Basic operation **33**
  - Displaying text information on iPod **33**
  - Browsing for a song **33**
  - Function and operation **33**
  - Playing songs in a random order (shuffle) **34**
- Bluetooth Audio **34**
  - Basic Operations **34**
  - Function and operation **34**
  - Connecting a Bluetooth audio player **35**
  - Playing songs on a Bluetooth audio player **35**
  - Stopping playback **35**
  - Disconnecting a Bluetooth audio player **35**
  - Displaying BD (Bluetooth Device) address **35**
- Bluetooth Telephone **36**
  - Basic Operations **36**
  - Setting up for hands-free phoning **36**
  - Making a phone call **36**
  - Taking a phone call **37**
  - Introduction to advanced operations **37**
  - Connecting a cellular phone **38**
  - Disconnecting a cellular phone **38**
  - Registering a connected cellular phone **39**
  - Deleting a registered phone **39**
  - Connecting to a registered cellular phone **39**
  - Using the phone book **40**
  - Using the call history **40**
  - Making a call by entering phone number **41**

# Contents

- Clearing memory **41**
- Setting automatic rejecting **41**
- Setting automatic answering **42**
- Switching the ring tone **42**
- Echo canceling and noise reduction **42**
- Multi-CD Player **42**
  - Basic Operations **42**
  - Using CD TEXT functions **42**
  - Introduction to advanced operations **42**
  - Using compression and bass emphasis **43**
  - Using ITS playlists **43**
  - Using disc title functions **45**
- TV tuner **45**
  - Basic Operations **45**
  - Storing and recalling broadcast stations **46**
  - Storing the strongest broadcast stations sequentially **46**
- **Additional Information**
  - Error messages **47**
  - Handling guideline of discs and player **48**
  - Dual Discs **49**
  - Compressed audio compatibility **49**
  - USB audio player/USB memory **49**
    - USB audio player/USB memory compatibility **49**
    - Handling guideline and supplemental information **50**
  - iPod **51**
    - About handling the iPod **51**
    - About iPod settings **51**
  - Compressed audio files on the disc **51**
    - Example of a hierarchy **52**
  - Specifications **53**

## Before You Start

### About this unit

#### CAUTION

- Do not allow this unit to come into contact with liquids. Electrical shock could result. Also, damage to this unit, smoke, and overheating could result from contact with liquids.
- "CLASS 1 LASER PRODUCT"  
This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product. Refer all servicing to qualified personnel.
- Keep this manual handy as a reference for operating procedures and precautions.
- Always keep the volume low enough so that you can hear sounds from outside the vehicle.
- Protect this unit from moisture.
- If the battery is disconnected or discharged, the preset memory will be erased and must be reprogrammed.

#### About WMA



The Windows Media™ logo printed on the box indicates that this unit can play back WMA data.

Windows Media and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.

- This unit may not operate correctly depending on the application used to encode WMA files.

#### About MP3

Supply of this product only conveys a license for private, non-commercial use and does not convey a license nor imply any right to use this product in any commercial (i.e. revenue-

generating) real time broadcasting (terrestrial, satellite, cable and/or any other media), broadcasting/streaming via internet, intranets and/or other networks or in other electronic content distribution systems, such as pay-audio or audio-on-demand applications. An independent license for such use is required. For details, please visit <http://www.mp3licensing.com>.

#### About AAC

This unit plays back AAC files encoded by iTunes.

#### Portable audio player compatibility

- Inquire at the manufacturer about your USB portable audio player/USB memory. This unit corresponds to the following.
  - USB MSC (Mass Storage Class) compliant portable audio player and memory
  - WMA, MP3, AAC and WAV file playback
 For details about the compatibility, refer to *USB audio player/USB memory compatibility* on page 49.

#### iTunes

iTunes is a trademark of Apple Inc., registered in the U.S. and other countries.

#### iPod



iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

**iPhone**

iPhone is a trademark of Apple Inc.

**iPod compatibility**

This unit can control and listen to songs on an iPod.

- This unit supports only the following iPods. Supported iPod software versions are shown below. Older versions of iPod software may not be supported.
  - iPod nano first generation (software version 1.3.1)
  - iPod nano second generation (software version 1.1.3)
  - iPod nano third generation (software version 1.1.2)
  - iPod fifth generation (software version 1.3.0)
  - iPod classic (software version 1.1.2)
  - iPod touch (software version 2.0)
  - iPhone 3G (software version 2.0)
- Operations may vary depending on the software version of iPod.
- When using an iPod, iPod Dock Connector to USB Cable is required.
- Pioneer CD-IU50 interface cable is also available. For details, consult your dealer.
- This unit can control previous generations iPod models with a Pioneer iPod adapter (e.g. CD-IB100II).  
For details concerning operation with the iPod adapter, refer to *Playing songs on iPod* on page 33.

**CAUTION**

- Pioneer accepts no responsibility for data lost on the USB portable audio player/USB mem-

ory even if that data is lost while using this unit.

- Pioneer accepts no responsibility for data lost on the iPod even if that data is lost while using this unit. □

**Visit our website**

Visit us at the following site:

**<http://pioneer.jp/group/index-e.html>**

- We offer the latest information about Pioneer Corporation on our website. □

**Protecting your unit from theft**

The front panel can be detached to deter theft.

- If the front panel is not detached from the head unit within five seconds of turning off the ignition, a warning tone sounds.
- You can turn off the warning tone. See *Switching the warning tone* on page 28.

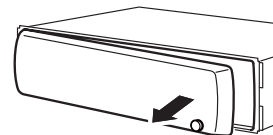
**Important**

- Handle gently when removing or attaching the front panel.
- Avoid subjecting the front panel to excessive shock.
- Keep the front panel out of direct sunlight and high temperatures.

**Removing the front panel**

**1 Press DETACH to release the front panel.**

**2 Grab the front panel and remove.**



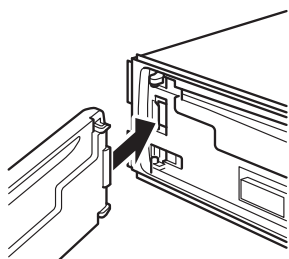
**3 Put the front panel into the provided protective case for safe keeping.**

## Before You Start

### Attaching the front panel

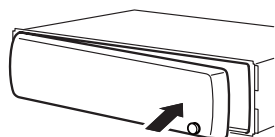
#### 1 Slide the front panel to the left until it clicks.


Front panel and the head unit are jointed on the left side. Make sure that the front panel has been jointed to the head unit.



#### 2 Press the right side of the front panel until it is firmly seated.

▪ If you can't attach the front panel to the head unit successfully, try again. Front panel may be damaged if you attach the front panel forcedly.



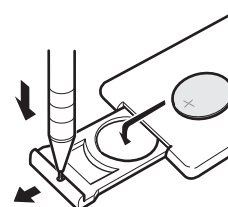
feature demo mode. Press **DISP** again to start. Remember that if the feature demo continues operating when the car engine is turned off, it may drain battery power. 

### Use and care of the remote control

#### Installing the battery

Slide the tray on the back of the remote control out and insert the battery with the plus (+) and minus (-) poles aligned properly.

- When using for the first time, pull out the film protruding from the tray.



#### **WARNING**

Keep the battery out of the reach of children. Should the battery be swallowed, consult a doctor immediately.

#### **CAUTION**

- Use one **CR2025 (3 V)** lithium battery.
- Remove the battery if the remote control is not used for a month or longer.
- There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type.
- Do not handle the battery with metallic tools.
- Do not store the battery with metallic objects.
- If the battery leaks, wipe the remote control completely clean and install a new battery.
- When disposing of used batteries, comply with governmental regulations or environmental public institutions' rules that apply in your country/area.

### About the demo mode

This unit features the feature demo mode.

#### **Important**

- The red lead (ACC) of this unit should be connected to a terminal coupled with ignition switch on/off operations. If this is not done, the vehicle battery may be drained.
- Before detaching, be sure to remove the AUX cable from the front panel. Otherwise, this unit, connected device or vehicle interior may be damaged.

#### **Feature demo mode**

The feature demo automatically starts when power to this unit is turned off while the ignition switch is set to ACC or ON. Press **DISP** during feature demo operation to cancel the


## Using the remote control

Point the remote control in the direction of the front panel to operate.

- The remote control may not function properly in direct sunlight.

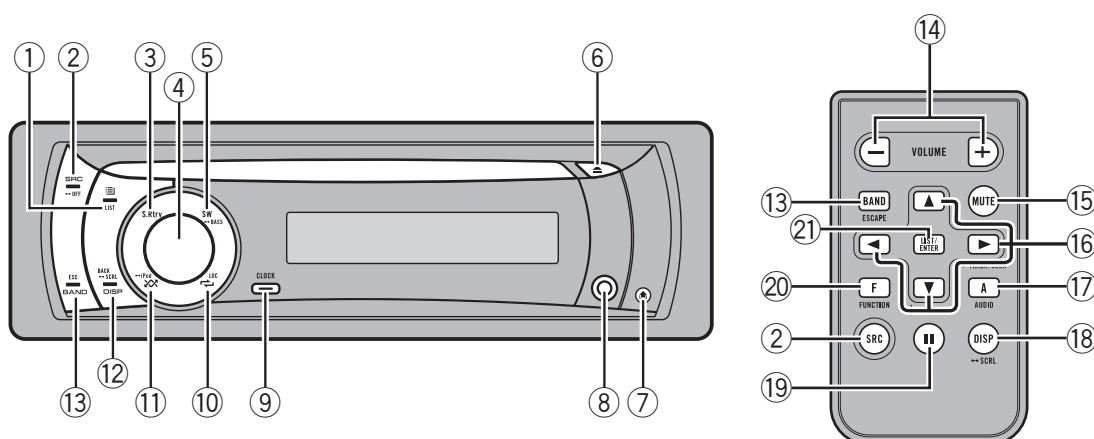


### Important

- Do not store the remote control in high temperatures or direct sunlight.
- Do not let the remote control fall onto the floor, where it may become jammed under the brake or accelerator pedal. 



## Operating this unit



### What's what

#### Head unit

##### ① LIST button

Press to display the disc title list, track title list, folder list, file list or preset channel list depending on the source.

##### ② SOURCE/OFF button

This unit is turned on by selecting a source. Press to cycle through all the available sources.

##### ③ S.Rtrv button

Press to switch Sound Retriever settings.

##### ④ MULTI-CONTROL

Move to perform manual seek tuning, fast forward, reverse and track search controls. Also used for controlling functions. Turn to increase or decrease the volume.

##### ⑤ SW/BASS button

Press to switch to subwoofer setting menu. When operating subwoofer menu, press to switch menu. Press and hold to switch to bass boost menu.

##### ⑥ EJECT button

Press to eject a disc.

##### ⑦ DETACH button

Press to remove the front panel from the head unit.

##### ⑧ AUX input jack (3.5 mm stereo jack)

Use to connect an auxiliary device.

##### ⑨ CLOCK button

Press to change to the clock display.

##### ⑩ RPT/LOCAL button

Press to switch the repeat play range while using CD, USB or iPod. Press to switch local settings while using tuner as the source.

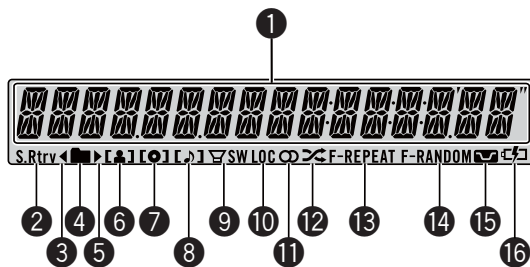
##### ⑪ RDM/iPod button

Press to turn random function on or off while using CD or USB. While using an iPod, press to shuffle all tracks. Press and hold to switch the control mode while using an iPod. If using the iPod with an interface adapter (CD-IB100II), press to switch the shuffle function.

##### ⑫ DISP/BACK/SCRL button

Press to select different displays. Press and hold to scroll through the text information. Press to return to the previous display when operating the menu.

## Operating this unit



Press and hold to return to the main menu when operating the menu.

### 13 BAND button

Press to select among three FM bands and one AM band.  
Press to return to the ordinary display when operating the menu.

## Remote control

Operation is the same as when using the buttons on the head unit.

### 14 VOLUME buttons

Press to increase or decrease the volume.

### 15 MUTE button

Press to turn off the sound. To turn on the sound, press again.

### 16 ▲/▼/◀/▶ buttons

Press to perform manual seek tuning, fast forward, reverse and track search controls. Also used for controlling functions.

### 17 AUDIO button

Press to select an audio function.

### 18 DISP button

Press to select different displays.  
Press and hold to scroll through the text information.

### 19 II button

Press to turn pause on or off.

### 20 FUNCTION button

Press to select functions.

### 21 LIST/ENTER button

Press to display the disc title list, track title list, folder list, file list or preset channel list depending on the source.  
While in the operating menu, press to control functions.

## Display indication

### 1 Main display section

Displays band, frequency, elapsed playback time and other settings.

- Tuner  
Band and frequency are displayed.
- Built-in CD player, USB, iPod  
Elapsed playback time and literal information are displayed.

### 2 S.Rtrv indicator

Appears when Sound Retriever function is on.

### 3 ◀ indicator

Appears when an upper tier of folder or menu exists.

### 4 [folder] (folder) indicator

Appears when operating list function.

### 5 ▶ indicator

Appears when a lower tier of folder or menu exists.

### 6 [person] (artist) indicator

Appears when the disc (track) artist name is displayed on the main display section.  
Appears when artist search refinement on the iPod browsing function is in use.

### 7 [disc] (disc) indicator







Appears when the disc (album) name is displayed on the main display section.  
Appears when album search refinement on the iPod browsing function is in use.

### 8 [musical note] (song) indicator

Appears when the track (song) name is displayed on the main display section.

## Operating this unit

Appears when song search refinement on the iPod browsing function is in use.

- 9  **(subwoofer) indicator**  
Appears when subwoofer is on.
- 10 **LOC indicator**  
Appears when local seek tuning is on.
- 11  **(stereo) indicator**  
Appears when the selected frequency is being broadcast in stereo.
- 12  **(shuffle) indicator**  
Appears when shuffle function is on while iPod source is being selected.
- 13 **F-REPEAT indicator**  
Appears when folder repeat is on.  
When repeat function is on, only **REPEAT** is displayed.
- 14 **F-RANDOM indicator**  
Appears when folder random is on.  
When random function is on, only **RANDOM** is displayed.
- 15  **(loudness) indicator**  
Appears when loudness is on.
- 16  **(iPod connection) indicator**  
Appears when the iPod connection is recognized while USB source is being selected. 

## Basic Operations

### Power ON/OFF

#### Turning the unit on

- Press **SOURCE** to turn the unit on.

#### Turning the unit off

- Press **OFF** and hold until the unit turns off.

### Selecting a source

You can select a source you want to listen to. To switch to the built-in CD player, load a disc in the unit (refer to page 14).

- Press **SOURCE** repeatedly to switch between the following sources.

**TUNER** (tuner)—**TELEVISION** (television)—**COMPACT DISC** (built-in CD player)—**MULTI CD** (multi-CD player)—**IPOD** (iPod connected with the interface adapter)—**USB** (USB or iPod connected using USB input)—**EXTERNAL** (external unit 1)—**EXTERNAL** (external unit 2)—**AUX1** (AUX1)—**AUX2** (AUX2)—**BT AUDIO** (BT audio)—**TELEPHONE** (BT telephone)

#### Notes

- In the following cases, the sound source will not change.
  - When no unit corresponding to the selected source is connected.
  - When there is no disc or magazine in the player.
  - When the iPod is not connected to this unit.
  - When AUX (auxiliary input) is set to off (refer to page 28).
  - When the **BT AUDIO** source is set to off (refer to *Activating the BT AUDIO source* on page 29).
- AUX1 is set to on by default. Turn off the AUX1 when not in use (refer to *Switching the auxiliary setting* on page 28).

## Operating this unit

- Charging the portable audio player using car's DC power source while connecting it to AUX input may generate noise. In this case, stop charging.
- External unit refers to a Pioneer product (such as ones available in the future) that, although incompatible as a source, enables control of basic functions with this unit. Two external units can be controlled with this unit. When two external units are connected, the external unit is automatically allocated to external unit 1 or external unit 2 by this unit.
- When this unit's blue/white lead is connected to the vehicle's auto-antenna relay control terminal, the vehicle's antenna extends when this unit's source is turned on. To retract the antenna, turn the source off.

### Adjusting the volume

- Turn **MULTI-CONTROL** to adjust the sound level. 

## Tuner

### Basic Operations



#### Important

If you are using this unit in North, Central or South America, reset the AM tuning step (see *Setting the AM tuning step* on page 27).

#### ● Select a band

Press **BAND**.

- Band can be selected from among **FM1**, **FM2**, **FM3** or **AM**.

#### ● Manual tuning (step by step)

Push **MULTI-CONTROL** left or right.

#### ● Seek tuning

Push and hold **MULTI-CONTROL** left or right, and then release.

- You can cancel seek tuning by pushing **MULTI-CONTROL** left or right.
- While pushing and holding **MULTI-CONTROL** left or right, you can skip stations. Seek tuning starts as soon as you release **MULTI-CONTROL**.

### Storing and recalling broadcast frequencies

You can easily store up to six broadcast frequencies for later recall.

- Six stations for each band can be stored in memory.

#### 1 Press **LIST**.

Preset screen is displayed.

#### 2 Use **MULTI-CONTROL** to store the selected frequency in memory.

Turn to change the preset number. Press and hold to store.

- You can also store the frequency in memory by pushing and holding **MULTI-CONTROL** right.

#### 3 Use **MULTI-CONTROL** to select the desired station.

Turn to change the station. Press to select.

## Operating this unit

- You can also change the station by pushing **MULTI-CONTROL** up or down.
- To return to the ordinary display, press **BAND** or **LIST**.
- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

### Introduction to advanced operations

**1 Press MULTI-CONTROL to display the main menu.**

**2 Use MULTI-CONTROL to select FUNCTION.**

Turn to change the menu option. Press to select.

**3 Turn MULTI-CONTROL to select the function.**

**BSM** (best stations memory)—**LOCAL** (local seek tuning)



#### Notes

- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the previous display, press **BACK**.
- To return to the main menu, press and hold **BACK**.
- To return to the ordinary display, press **BAND**.

### Storing the strongest broadcast frequencies

**BSM** (best stations memory) lets you automatically store the six strongest broadcast frequencies.

**1 Use MULTI-CONTROL to select BSM in the function menu.**

**2 Press MULTI-CONTROL to turn BSM on.**

The six strongest broadcast frequencies are stored in the order of their signal strength.

- To cancel, press **MULTI-CONTROL** again.

### Tuning in strong signals

Local seek tuning lets you tune in only those radio stations with sufficiently strong signals for good reception.

● **Press LOCAL repeatedly to select the desired setting.**

FM: **OFF—LEVEL 1—LEVEL 2—LEVEL 3—LEVEL 4**

AM: **OFF—LEVEL 1—LEVEL 2**

The **LEVEL 4** setting allows reception of only the strongest stations, while lower settings let you receive progressively weaker stations.



#### Note

You can also perform this operation in the menu that appears by using **MULTI-CONTROL**.

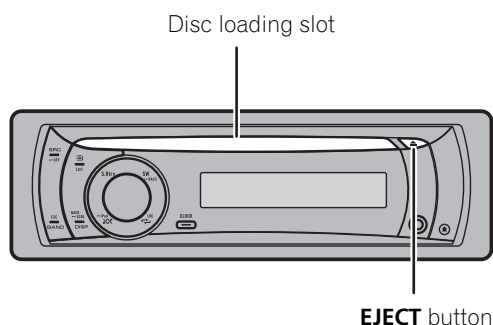
## Built-in CD Player

### Basic Operations

The built-in CD player can play back audio CD (CD-DA) and compressed audio (WMA/MP3/AAC/WAV) recorded on CD-ROM. (Refer to page 51 for files that can be played back.) Read the precautions for discs and player on page 48.

- **Insert a disc into the disc loading slot.**

Playback will automatically start.



- **When loading a disc, face the label side of a disc up.**

- **Eject a disc**

Press **EJECT**.

- **Select a folder**

Push **MULTI-CONTROL** up or down.

- You cannot select a folder that does not have a compressed audio file recorded in it.

- **Select a track**

Push **MULTI-CONTROL** left or right.

- **Fast forward or reverse**

Push and hold **MULTI-CONTROL** left or right.

- When playing compressed audio, there is no sound on fast forward or reverse.

- **Return to root folder**

Press and hold **BAND**.

- If folder 01 (ROOT) contains no files, playback commences with folder 02.

- **Switch between compressed audio and CD-DA**

Press **BAND**.

- This operation is available only when playing CD-EXTRA or MIXED-MODE CDs.
- If you have switched between compressed audio and CD-DA, playback starts at the first track on the disc.

### Notes

- The built-in CD player can play back audio CD and compressed audio recorded on a CD-ROM. (Please see the following section for files that can be played back. Refer to page 51)
- Read the precautions for discs and player on page 48.
- A disc has already been inserted, press **SOURCE** to select the built-in CD player.
- There is sometimes a delay between starting up disc playback and the sound being issued. When being read, **FORMAT READ** is displayed.
- If an error message such as **ERROR-11** is displayed, refer to *Error messages* on page 47.
- When a CD TEXT disc is inserted, the disc and track titles automatically begin to scroll in the display. When Ever Scroll is set to ON at the initial setting, the disc and track titles scroll continuously. For more details about Ever Scroll, refer to *Switching the ever scroll* on page 29.
- Playback is carried out in order of file number. Folders are skipped if they contain no files. (If folder 01 (ROOT) contains no files, playback commences with folder 02.)

### Displaying text information on disc

- **Press DISP to select the desired text information.**

#### For title entered CD

Play time—disc title

## Operating this unit

### For CD TEXT discs

Play time—disc title—disc artist name—track title—track artist name

### For WMA/MP3/AAC

Play time—folder name—file name—track title—artist name—album title—comment—bit rate

### For WAV

Play time—folder name—file name—sampling frequency



### Notes

- You can scroll to the left of the title by pressing and holding **DISP**.
- Audio CD that contains certain information such as text and/or number is CD TEXT.
- If specific information is not recorded on a disc, title or name is not displayed.
- Depending on the version of iTunes used to write MP3 files onto a disc, comment information may not be correctly displayed.  
— iTunes is a registered trademark of Apple Inc.
- Depending on the version of Windows Media™ Player used to encode WMA files, album names and other text information may not be correctly displayed.
- When playing back VBR (variable bit rate)-recorded WMA files, the average bit rate value is displayed.
- When playing back VBR (variable bit rate)-recorded MP3 files, **VBR** is displayed instead of bit rate value.
- The sampling frequency shown in the display may be abbreviated.
- When Ever Scroll is set to ON at the initial setting, text information scrolls continuously in the display. Refer to *Switching the ever scroll* on page 29.

## Selecting tracks from the track title list

Track title list lets you see the list of track titles on a CD TEXT disc and select one of them to play back.

### 1 Press LIST to switch to the track title list mode.

### 2 Use MULTI-CONTROL to select the desired track title.

Turn to change the track title. Press to play.

- You can also change the track title by pushing **MULTI-CONTROL** up or down.
- You can also play the track by pushing **MULTI-CONTROL** right.
- To return to the ordinary display, press **BAND** or **LIST**.
- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

## Selecting files from the file name list

File name list lets you see the list of file names (or folder names) and select one of them to playback.

### 1 Press LIST to switch to the file name list mode.

Names of files and folders appear in the display.

### 2 Use MULTI-CONTROL to select the desired file name (or folder name).

Turn to change the name of file or folder.

- when a file is selected, press to play.
- when a folder is selected, press to see a list of files (or folders) in the selected folder.
- when a folder is selected, press and hold to play a song in the selected folder.
- You can also play the file by pushing **MULTI-CONTROL** right.
- You can also play a song in the selected folder by pushing and holding **MULTI-CONTROL** right.
- To return to the previous list (the folder one level higher), press **BACK**. You can also perform this operation by pushing **MULTI-CONTROL** left.
- To return to the top tier of list, press and hold **BACK**.
- To return to the ordinary display, press **BAND** or **LIST**.

## Operating this unit

- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

### Introduction to advanced operations

**1 Press MULTI-CONTROL to display the main menu.**

**2 Use MULTI-CONTROL to select FUNCTION.**

Turn to change the menu option. Press to select.

**3 Turn MULTI-CONTROL to select the function.**

**REPEAT** (repeat play)—**RANDOM** (random play)—**SCAN** (scan play)—**PAUSE** (pause)—**SOUND RETRIEVER** (sound retriever)—**TITLE INPUT** (disc title input)

#### Notes

- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the previous display, press **BACK**.
- To return to the main menu, press and hold **BACK**.
- To return to the ordinary display, press **BAND**.
- If you do not operate functions except for **TITLE INPUT** within about 30 seconds, the display automatically returns to the ordinary display.
- When playing a compressed audio disc or CD TEXT disc, you cannot switch to disc title input display.

### Selecting a repeat play range

● **Press RPT repeatedly to select the desired setting.**

- **DISC** – Repeat all tracks
- **TRACK** – Repeat the current track
- **FOLDER** – Repeat the current folder
- If you select another folder during repeat play, the repeat play range changes to disc repeat.

- Performing track search or fast forward/reverse during **TRACK** (track repeat) changes the repeat play range to disc/folder.
- When **FOLDER** (folder repeat) is selected, it is not possible to play back a subfolder of that folder.



#### Note

You can also perform this operation in the menu that appears by using **MULTI-CONTROL**.

### Playing tracks in random order

Tracks in a selected repeat range are played in random order.

● **Press RDM to turn random play on.**

Tracks play in a random order.

- To turn random play off, press **RDM** again.



#### Note

You can also turn this function on or off in the menu that appears by using **MULTI-CONTROL**.

### Scanning folders and tracks

Scan play searches the song within the selected repeat range.

**1 Use MULTI-CONTROL to select SCAN in the function menu.**

**2 Press MULTI-CONTROL to turn scan play on.**

The first 10 seconds of each track is played.

**3 When you find the desired track press MULTI-CONTROL to turn scan play off.**

- If the display has automatically returned to the playback display, select **SCAN** again by using **MULTI-CONTROL**.
- After scanning of a disc (folder) is finished, normal playback of the tracks begins.



## Operating this unit

### Pausing playback

- Press **II** (pause) on the remote control to turn pause on.

Playback of the current track pauses.

- To turn pause off, press **II** (pause) again.



#### Note

You can also turn this function on or off in the menu that appears by using **MULTI-CONTROL**.

### Using Sound Retriever

Sound Retriever function automatically enhances compressed audio and restores rich sound.

- Press **S.Rtrv** repeatedly to select the desired setting.

**S. RTRV OFF** (off)—**S. RTRV 1**—**S. RTRV 2**

- **S. RTRV 2** is more effective than **S. RTRV 1**.



#### Note

You can also perform this operation in the menu that appears by using **MULTI-CONTROL**.

### Using disc title functions

You can input CD titles and display the title. The next time you insert a CD for which you have entered a title, the title of that CD is displayed.

#### Entering disc titles

Use the disc title input feature to store up to 48 CD titles in the unit. Each title can be up to 10 characters long.

- 1 Play the CD that you want to enter a title for.

- 2 Use **MULTI-CONTROL** to select **TITLE INPUT** in the function menu.

- 3 Press **MULTI-CONTROL** to display the title input mode.

- 4 Turn **MULTI-CONTROL** to select a letter of the alphabet.


- You can also perform the same operations by pushing **MULTI-CONTROL** up or down.

- 5 Press **MULTI-CONTROL** to move the cursor to the next character position.

- 6 After entering the title, press and hold **MULTI-CONTROL** to store it in memory.



#### Notes

- Titles remain in memory, even after the disc is removed from the unit, and are recalled when the disc is reinserted.
- After data for 48 discs are stored in the memory, data for a new disc overwrites the oldest one.
- If you connect a multi-CD player, you can input disc titles for up to 100 discs.
- When a multi-CD player that does not support disc title functions is connected, you cannot enter disc titles in this unit. 

## Playing songs on USB portable audio player/USB memory

For details about the supported device, refer to *Portable audio player compatibility on page 5*.

### Basic Operations

- **Select a folder**

Push **MULTI-CONTROL** up or down.

- **Fast forward or reverse**

Push and hold **MULTI-CONTROL** left or right.

- **Select a track**

Push **MULTI-CONTROL** left or right.

- **Return to root folder**

Press and hold **BAND**.



#### Notes

- Optimum performance of this unit may not be obtained depending on the connected USB portable audio player/USB memory.
- If folder 01 (ROOT) contains no files, playback commences with folder 02.
- When the USB portable audio player having battery charging function is connected to this unit and the ignition switch is set to ACC or ON, the battery is charged.
- You can disconnect the USB portable audio player/USB memory anytime you want to finish listening to it.
- If USB portable audio player/USB memory is connected to this unit, the source is changed to USB automatically. If you do not use an USB device, disconnect it from this unit. Depending on the connected USB device, turning on the ignition switch while USB device is connected to this unit may change the source automatically.

## Displaying text information of an audio file

- **Press DISP to select the desired text information.**

### For WMA/MP3/AAC

Play time—folder name—file name—track title—artist name—album title—comment—bit rate

### For WAV

Play time—folder name—file name—sampling frequency

- If the characters recorded on the audio file are not compatible with the head unit, those characters are not displayed.
- If specific information is not recorded on an audio file, title or name is not displayed.
- The text information of some audio files may not be correctly displayed.



#### Notes

- You can scroll the text information to the left by pressing and holding **DISP**.
- When Ever Scroll is set to ON at the initial setting, text information scrolls continuously in the display. Refer to *Switching the ever scroll on page 29*.

## Selecting files from the file name list

The operation is the same as that of the built-in CD player. (Refer to *Selecting files from the file name list on page 15*.)

## Introduction to advanced operations

- 1 Press MULTI-CONTROL to display the main menu.**


- 2 Use MULTI-CONTROL to select FUNCTION.**

Turn to change the menu option. Press to select.

## Operating this unit

### 3 Turn MULTI-CONTROL to select the function.

**REPEAT** (repeat play)—**RANDOM** (random play)—**SCAN** (scan play)—**PAUSE** (pause)—**SOUND RETRIEVER** (sound retriever)

- When **FOLDER** is selected, it is not possible to play back a subfolder of that folder.
- After file or folder scanning is finished, normal playback of the files begins again. 

### Function and operation

**REPEAT**, **RANDOM**, **SCAN**, **PAUSE** and **SOUND RETRIEVER** operations are basically the same as that of the built-in CD player.

Function name	Operation
<b>REPEAT</b>	Refer to <i>Selecting a repeat play range</i> on page 16. However, the repeat play ranges you can select are different from that of the built-in CD player. The repeat play ranges of the USB portable audio player/USB memory are: <ul style="list-style-type: none"> <li>• <b>TRACK</b> – Repeat just the current file</li> <li>• <b>FOLDER</b> – Repeat the current folder</li> <li>• <b>ALL</b> – Repeat all files</li> </ul>
<b>RANDOM</b>	Refer to <i>Playing tracks in random order</i> on page 16.
<b>SCAN</b>	Refer to <i>Scanning folders and tracks</i> on page 16.
<b>PAUSE</b>	Refer to <i>Pausing playback</i> on page 17.
<b>SOUND RETRIEVER</b>	Refer to <i>Using Sound Retriever</i> on page 17.



#### Notes

- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the previous display, press **BACK**.
- To return to the main menu, press and hold **BACK**.
- To return to the ordinary display, press **BAND**.
- If you select another folder during repeat play, the repeat play range changes to **ALL**.
- If you perform track search or fast forward/reverse during **TRACK**, the repeat play range changes to **FOLDER**.

## Playing songs on iPod

For details about the supported iPod, refer to iPod compatibility on page 6.

### Basic Operations

- **Fast forward or reverse**

Push and hold **MULTI-CONTROL** left or right.

- **Select a track (chapter)**

Push **MULTI-CONTROL** left or right.



#### Notes

- When using an iPod, iPod Dock Connector to USB Cable is required.
- Read the precautions for iPod on page 51.
- While iPod is connected to this unit, **PIONEER** (or ✓ (check mark)) is displayed on the iPod.
- If an error message such as **ERROR-19** is displayed, refer to *Error messages* on page 47.
- When the ignition switch is set to ACC or ON, the iPod's battery is charged while the iPod is connected to this unit.
- While the iPod is connected to this unit, the iPod cannot be turned on or off.
- Before connecting the dock connector of this unit to the iPod, disconnect the headphones from the iPod.
- The iPod is turned off about two minutes after the ignition switch is set to OFF.

### Browsing for a song

Operations to control an iPod with this unit is designed to be as close to the iPod as possible to make operation and song search easy.

- Depending on the number of files in the iPod, there may be a delay when displaying a list.
- If the characters recorded on the iPod are not compatible with this unit, those characters are not displayed.

**1 Press LIST to switch to the top menu of the list search.**

**2 Use MULTI-CONTROL to select a category.**

Turn to change the category; press to select.

**PLAYLISTS** (playlists)—**ARTISTS** (artists)—**ALBUMS** (albums)—**SONGS** (songs)—**PODCASTS** (podcasts)—**GENRES** (genres)—**COMPOSERS** (composers)—**AUDIOBOOKS** (audiobooks)

List for the selected category is displayed.

- You can start playback throughout the selected category by pressing and holding **MULTI-CONTROL**. You can also perform this operation by pushing and holding **MULTI-CONTROL** right.
  - You can also change the category by pushing **MULTI-CONTROL** up or down.
  - You can also select the category by pushing **MULTI-CONTROL** right.
    - To return to the previous list, push **MULTI-CONTROL** left.

**3 Repeat step 2 to find a song you want to listen to.**

- To return to the previous category (one level higher), press **BACK**. You can also perform this operation by pushing **MULTI-CONTROL** left.
  - To return to the top tier of categories, press and hold **BACK**.
  - To return to the ordinary display, press **BAND** or **LIST**.
  - If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

### Displaying text information on iPod

- **Press DISP to select the desired text information.**

Play time—song title—artist name—album title

- If the characters recorded on the iPod are not compatible with this unit, those characters are not displayed.



#### Notes

- You can scroll the text information to the left by pressing and holding **DISP**.

## Operating this unit

- When Ever Scroll is set to ON at the initial setting, text information scrolls continuously in the display. Refer to *Switching the ever scroll* on page 29.

### Introduction to advanced operations

**1 Press MULTI-CONTROL to display the main menu.**

**2 Use MULTI-CONTROL to select FUNCTION.**

Turn to change the menu option. Press to select.

**3 Turn MULTI-CONTROL to select the function.**

**REPEAT** (repeat play)—**SHUFFLE** (shuffle)—**SHUFFLE ALL** (shuffle all)—**LINK SEARCH** (link search)—**CONTROL** (control mode)—**PAUSE** (pause)—**AUDIOBOOKS SPEED** (audiobook speed)—**SOUND RETRIEVER** (sound retriever)

### Function and operation

**PAUSE** and **SOUND RETRIEVER** operations are basically the same as that of the built-in CD player.

Function name	Operation
<b>REPEAT</b>	Refer to <i>Selecting a repeat play range</i> on page 16. However, the repeat play ranges you can select are different from that of the built-in CD player. The repeat play ranges of the iPod are: <ul style="list-style-type: none"> <li><b>ONE</b> – Repeat the current song</li> <li><b>ALL</b> – Repeat all songs in the selected list</li> </ul>
<b>PAUSE</b>	Refer to <i>Pausing playback</i> on page 17.
<b>SOUND RETRIEVER</b>	Refer to <i>Using Sound Retriever</i> on page 17.

### Notes

- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the previous display, press **BACK**.
- To return to the main menu, press and hold **BACK**.
- To return to the ordinary display, press **BAND**.
- If you do not operate functions within about 30 seconds, the display automatically returns to the ordinary display.
- When **CONTROL** is on, only **CONTROL**, **PAUSE** and **SOUND RETRIEVER** can be operated.

### Playing songs in a random order (shuffle)

**1 Use MULTI-CONTROL to select SHUFFLE in the function menu.**

**2 Press MULTI-CONTROL to display the setting mode.**

**3 Use MULTI-CONTROL to select the desired setting.**

Turn to change the setting.

- SONGS** – Play back songs in the selected list in random order.
- ALBUMS** – Play back songs from a randomly selected album in order.
- OFF** – Cancel random play.

### Playing all songs in a random order (shuffle all)

● **Press iPod to turn shuffle all on.**

All songs on the iPod play randomly.

- To turn shuffle all off, set **SHUFFLE** in the **FUNCTION** menu to off.

### Note

You can also turn this function on in the menu that appears by using **MULTI-CONTROL**.

## Selecting songs from album list of currently playing artist

Album list of the currently selected artist is displayed. You can select an album or song from the artist name.

- Depending on the number of files in the iPod, there may be a delay when displaying a list.

### 1 Press and hold LIST to turn link search on.

Searches albums of the artist and displays the list.

### 2 Use MULTI-CONTROL to select an album or song from the list.

For more details about the selection operation, refer to step 2 of *Browsing for a song* on page 20.



#### Note

You can also turn this function on in the menu that appears by using **MULTI-CONTROL**.

## Operating this unit's iPod function from your iPod

*This function cannot be operated with the following iPod models.*

- iPod nano first generation
- iPod fifth generation

This unit's iPod function can be operated from your iPod. Sound can be heard from the car's speakers, and operation can be conducted from your iPod.

- While this function is in use, even if the ignition key is turned off, the iPod will not be turned off. To turn off power, operate the iPod.

### 1 Press iPod and hold to switch the control mode.

Each pressing and holding **iPod** switches the control mode as follows:

- **IPOD** – This unit's iPod function can be operated from the connected iPod.
- **AUDIO** – This unit's iPod function can be operated from this unit.

- Even if this function is performed, volume, track up/down and fast forward/reverse can be operated from this unit.

### 2 Operate the connected iPod to select a song and play.

- Switching **CONTROL** to **IPOD** pauses song playback. Operate the iPod to start playback.



#### Notes

- You can also turn this function on or off in the menu that appears by using **MULTI-CONTROL**.
- When this function is on, operations are limited as follows:
  - Functions other than **CONTROL** (control mode), **PAUSE** (pause) and **SOUND RETRIEVER** (advanced sound retriever) cannot be selected.
  - Browse function cannot be operated from this unit.

## Changing audiobook speed


While listening to an audiobook on iPod, playback speed can be changed.

### 1 Use MULTI-CONTROL to select AUDIOBOOKS SPEED in the function menu.

### 2 Press MULTI-CONTROL to display the setting mode.

### 3 Use MULTI-CONTROL to select the desired setting.

Turn to change the setting.

- **FASTER** – Playback faster than normal speed
- **NORMAL** – Playback in normal speed
- **SLOWER** – Playback slower than normal speed 

## Audio Adjustments

### Introduction of audio adjustments

- 1 Press **MULTI-CONTROL** to display the main menu.
- 2 Use **MULTI-CONTROL** to select **AUDIO**. Turn to change the menu option. Press to select.
- 3 Turn **MULTI-CONTROL** to select the audio function.  
Turn **MULTI-CONTROL** to switch between the audio functions in the following order.  
**FADER/BALANCE** (balance adjustment)—  
**PRESET EQUALIZER** (equalizer recall)—  
**EQ SETTING 1** (equalizer adjustment)—  
**EQ SETTING 2** (equalizer fine adjustment)—  
**LOUDNESS** (loudness)—**SW SETTING 1** (subwoofer on/off setting)—**SW SETTING 2** (subwoofer setting)—**HIGH PASS FILTER** (high pass filter)—**BASS BOOST** (bass boost)—  
**SRC LV ADJUST** (source level adjustment)
- 4 Press **MULTI-CONTROL** to display the setting mode of each function.
- 5 Adjust the each function.



#### Notes

- You can also select the audio function by pressing **AUDIO** on the remote control.
- To return to the previous display, press **BACK**.
- To return to the main menu, press and hold **BACK**.
- To return to the ordinary display, press **BAND**.
- You can select the **SW SETTING 2** only when subwoofer output is turned on in **SW SETTING 1**.
- When selecting FM as the source, you cannot switch to **SRC LV ADJUST**.
- If you do not operate functions within about 30 seconds, the display automatically returns to the ordinary display.

### Using balance adjustment

You can change the fader/balance setting so that it can provide the ideal listening environment in all occupied seats.

- 1 Use **MULTI-CONTROL** to select **FADER/BALANCE** in the audio function menu.
- 2 Press **MULTI-CONTROL** to display the setting mode.
- 3 Press **MULTI-CONTROL** to select the segment you wish to set.  
Press **MULTI-CONTROL** repeatedly to switch between fader and balance.
- 4 Turn **MULTI-CONTROL** to adjust speaker balance.  
Front/rear speaker balance can be adjusted between **FAD F15** and **FAD R15**.  
Left/right speaker balance can be adjusted between **BAL L15** and **BAL R15**.
  - You can also perform the same operations by pushing **MULTI-CONTROL** up or down.
  - **FAD 0** is the proper setting when only two speakers are used.
  - When the rear output setting is **SUB W**, adjusting the front/rear speaker balance is not effective. Refer to *Setting the rear output and subwoofer controller* on page 28.

### Using the equalizer

The equalizer lets you adjust the equalization to match the car's interior acoustic characteristics as desired.

### Recalling equalizer curves

There are six stored equalizer curves which you can easily recall at any time. Here is a list of the equalizer curves.

Display	Equalizer curve
POWERFUL	Powerful
NATURAL	Natural
VOCAL	Vocal
CUSTOM	Custom
FLAT	Flat
SUPER BASS	Super bass

- **CUSTOM** is an adjusted equalizer curve that you create. If you make adjustments to an equalizer curve, the equalizer curve setting is memorized in **CUSTOM**.
- When **FLAT** is selected, no supplement or correction is made to the sound. This is useful to check the effect of the equalizer curves by switching alternatively between **FLAT** and a set equalizer curve.

**1 Use MULTI-CONTROL to select PRESET EQUALIZER in the audio function menu.**

**2 Press MULTI-CONTROL to display the setting mode.**

**3 Turn MULTI-CONTROL to select the equalizer.**

- You can also perform the same operations by pushing **MULTI-CONTROL** up or down.

### Adjusting equalizer curves

The factory supplied equalizer curves can be adjusted to a fine degree (nuance control).

**1 Use MULTI-CONTROL to select EQ SETTING 1 in the audio function menu.**

**2 Press MULTI-CONTROL to display the setting mode.**

**3 Press MULTI-CONTROL to select the segment you wish to set.**

Press **MULTI-CONTROL** repeatedly to switch the segment in the following order:

**L** (low)—**M** (mid)—**H** (high)

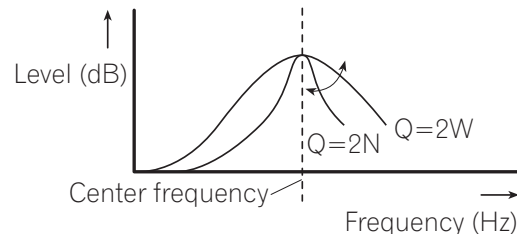
**4 Turn MULTI-CONTROL to adjust the level of the equalization band.**

**+6 to -6** is displayed as the level is increased or decreased.

- You can also perform the same operations by pushing **MULTI-CONTROL** up or down.
- You can then select another band and adjust the level.

### Fine-adjusting equalizer curve

You can adjust the center frequency and the Q factor (curve characteristics) of each currently selected curve band (**LOW/MID/HI**).



**1 Use MULTI-CONTROL to select EQ SETTING 2.**

**2 Press MULTI-CONTROL to display the setting mode.**

**3 Press MULTI-CONTROL to select the segment you wish to set.**

Press **MULTI-CONTROL** repeatedly to switch the segment in the following order:

**Band—Frequency—Q factor**

**4 Turn MULTI-CONTROL to adjust the selected segment.**

**Band**

**LOW** (low)—**MID** (mid)—**HI** (high)

**Frequency**

Low: **40HZ—80HZ—100HZ—160HZ**

Mid: **200HZ—500HZ—1KHZ—2KHZ**

High: **3KHZ—8KHZ—10KHZ—12KHZ**

**Q factor**

**2N—1N—1W—2W**

- You can also perform the same operations by pushing **MULTI-CONTROL** up or down.



## Audio Adjustments

### Adjusting loudness

Loudness compensates for deficiencies in the low- and high-sound ranges at low volume.

**1 Use MULTI-CONTROL to select LOUDNESS in the audio function menu.**

**2 Press MULTI-CONTROL to display the setting mode.**

**3 Use MULTI-CONTROL to select the desired setting.**

Turn to change the setting.

**LOW** (low)—**MID** (mid)—**HIGH** (high)—**OFF** (off)

▪ You can also perform the same operations by pushing **MULTI-CONTROL** up or down. 

### Using subwoofer output

This unit is equipped with a subwoofer output which can be turned on or off.

Also, phase can be selected between normal and reverse.

**1 Press SW to display the subwoofer setting mode.**

Press **SW** repeatedly to switch between the subwoofer setting modes in the following order.

**SW SETTING 1** (subwoofer on/off setting) setting mode—**SW SETTING 2** (subwoofer setting) setting mode

**2 Select SW SETTING 1 setting mode.**

**3 Turn MULTI-CONTROL to select the desired setting.**

**NORMAL** (normal phase)—**REV** (reverse phase)—**OFF** (subwoofer off)

▪ You can also perform the same operations by pushing **MULTI-CONTROL** up or down.



#### Note

You can also switch to this setting mode in the menu that appears by using **MULTI-CONTROL**.

### Adjusting subwoofer settings

When the subwoofer output is on, you can adjust the cut-off frequency and the output level of the subwoofer.

• When the subwoofer output is on, you can select **SW SETTING 2**.

**1 Press SW to display the subwoofer setting mode.**

Press **SW** repeatedly to switch between the subwoofer setting modes in the following order.

**SW SETTING 1** (subwoofer on/off setting) setting mode—**SW SETTING 2** (subwoofer setting) setting mode

**2 Select SW SETTING 2 setting mode.**

**3 Press MULTI-CONTROL to select the segment you wish to set.**

Press **MULTI-CONTROL** repeatedly to switch the segment in the following order:

**Cut off frequency—Level**

**4 Turn MULTI-CONTROL to adjust the selected segment.**

**Cut off frequency**

**50HZ—63HZ—80HZ—100HZ—125HZ**


**Level**

**+6 to -24** is displayed as the level is increased or decreased.

▪ You can also perform the same operations by pushing **MULTI-CONTROL** up or down.



#### Note

You can also switch to this setting mode in the menu that appears by using **MULTI-CONTROL**. 

## Using the high pass filter

When you do not want low sounds from the subwoofer output frequency range to play from the front or rear speakers, turn on the HPF (high pass filter). Only frequencies higher than those in the selected range are output from the front or rear speakers.

**1 Use MULTI-CONTROL to select HIGH PASS FILTER.**

**2 Press MULTI-CONTROL to display the setting mode.**

**3 Use MULTI-CONTROL to select the desired setting.**

Turn to change the setting.

**OFF—50HZ—63HZ—80HZ—100HZ—125HZ**

- You can also perform the same operations by pushing **MULTI-CONTROL** up or down. 

## Boosting the bass

Bass boost function boosts the bass level of sound.

**1 Press and hold BASS to display BASS BOOST setting mode.**


**2 Turn MULTI-CONTROL to adjust the level.**

**0 to +6** is displayed as the level is increased or decreased.

- You can also perform the same operations by pushing **MULTI-CONTROL** up or down.



### Note

You can also switch to this setting mode in the menu that appears by using **MULTI-CONTROL**. 

## Adjusting source levels

SLA (source level adjustment) lets you adjust the volume level of each source to prevent ra-

dical changes in volume when switching between sources.

- Settings are based on the FM volume level, which remains unchanged.

**1 Compare the FM volume level with the level of the source you wish to adjust.**

**2 Use MULTI-CONTROL to select SRC LV ADJUST in the audio function menu.**

**3 Press MULTI-CONTROL to display the setting mode.**


**4 Turn MULTI-CONTROL to adjust the source volume.**

**+4 to -4** is displayed as the source volume is increased or decreased.

- You can also perform the same operations by pushing **MULTI-CONTROL** up or down.




### Notes

- The AM volume level can also be adjusted with source level adjustments.
- The built-in CD player and the multi-CD player are set to the same source level adjustment volume automatically.
- External unit 1 and external unit 2 are set to the same source level adjustment volume automatically. 

## Initial Settings

### Adjusting initial settings

- 1 Press **SOURCE** and hold until the unit turns off.
- 2 Press **MULTI-CONTROL** and hold until **CLOCK SET** appears in the display.
- 3 Turn **MULTI-CONTROL** to select one of the initial settings.  
**CLOCK SET** (clock)—**FM STEP** (FM tuning step)—**AM STEP** (AM tuning step)—**WARNING TONE** (warning tone)—**AUX1** (auxiliary input 1)—**AUX2** (auxiliary input 2)—**DIMMER** (dimmer)—**SW CONTROL** (rear output and subwoofer controller)—**DEMO** (feature demo)—**EVER SCROLL** (ever scroll)—**BT AUDIO** (Bluetooth audio)—**PIN CODE INPUT** (pin code input)—**BT VER INFO** (Bluetooth version information)
  - You can also perform the same operations by pushing **MULTI-CONTROL** up or down.
  - You can also select the function by pressing **FUNCTION** on the remote control.
  - To cancel initial settings, press **BAND**.
  - **BT AUDIO**, **PIN CODE INPUT** and **BT VER INFO** can be selected only when Bluetooth adapter (e.g., CD-BTB100) is connected to this unit. 

### Setting the clock

Use these instructions to set the clock.

- 1 Use **MULTI-CONTROL** to select **CLOCK SET** in the initial setting menu.
- 2 Press **MULTI-CONTROL** to display the setting mode.
  - Press **BACK** to return to the previous display.
- 3 Press **MULTI-CONTROL** to select the segment of the clock display you wish to set. Each time you press **MULTI-CONTROL**, one segment of the clock display is selected.  
 Hour—Minute  
 As you select segments of the clock display, the selected segment blinks.

- 4 Turn **MULTI-CONTROL** to put a clock right.

- You can also perform the same operations by pushing **MULTI-CONTROL** up or down. 

### Setting the FM tuning step

The FM tuning step employed by seek tuning can be switched between 100 kHz, the preset step, and 50 kHz.

- If seek tuning is performed in 50 kHz steps, stations may be tuned in imprecisely. Tune in the stations with manual tuning or use seek tuning again.

- 1 Use **MULTI-CONTROL** to select **FM STEP** in the initial setting menu.


- 2 Press **MULTI-CONTROL** to display the setting mode.

- 3 Turn **MULTI-CONTROL** to select the FM tuning step.

Turning **MULTI-CONTROL** will switch the FM tuning step between 50 kHz and 100 kHz. The selected FM tuning step will appear in the display.

- You can also perform the same operations by pushing **MULTI-CONTROL** up or down.

#### Note

The tuning step remains at 50 kHz during manual tuning. 

### Setting the AM tuning step

The AM tuning step can be switched between 9 kHz, the preset step, and 10 kHz. When using the tuner in North, Central or South America, reset the tuning step from 9 kHz (531 kHz to 1 602 kHz allowable) to 10 kHz (530 kHz to 1 640 kHz allowable).

- 1 Use **MULTI-CONTROL** to select **AM STEP** in the initial setting menu.

## Initial Settings

**2 Press MULTI-CONTROL to display the setting mode.**

**3 Turn MULTI-CONTROL to select the AM tuning step.**

Turning **MULTI-CONTROL** will switch the AM tuning step between 9 kHz and 10 kHz. The selected AM tuning step will appear in the display.

- You can also perform the same operations by pushing **MULTI-CONTROL** up or down. 

### Switching the warning tone

If the front panel is not detached from the head unit within four seconds of turning off the ignition, a warning tone sounds. You can turn off the warning tone.

**1 Use MULTI-CONTROL to select WARNING TONE.**

**2 Press MULTI-CONTROL to turn warning tone on.**


- To turn warning tone off, press **MULTI-CONTROL** again. 

### Switching the auxiliary setting

Auxiliary devices connected to this unit can be activated individually. Set each AUX source to ON when using. For more information about connecting or using auxiliary devices, refer to *Using the AUX source* on page 31.

**1 Use MULTI-CONTROL to select AUX1/AUX2.**

**2 Press MULTI-CONTROL to turn AUX1/AUX2 on.**


- To turn AUX off, press **MULTI-CONTROL** again. 

### Switching the dimmer setting

To prevent the display from being too bright at night, the display is automatically dimmed when the car's headlights are turned on. You can turn the dimmer on or off.

**1 Use MULTI-CONTROL to select DIMMER.**

**2 Press MULTI-CONTROL to turn dimmer on.**

- To turn dimmer off, press **MULTI-CONTROL** again. 

### Setting the rear output and subwoofer controller

This unit's rear output (rear speaker leads output) can be used for full-range speaker (**FULL**) or subwoofer (**SUB W**) connection. If you switch the rear output setting to **SUB W**, you can connect a rear speaker lead directly to a subwoofer without using an auxiliary amp. Initially, the unit is set for rear full-range speaker connection (**FULL**).

**1 Use MULTI-CONTROL to select SW CONTROL.**

**2 Press MULTI-CONTROL to display the setting mode.**

- Press **BACK** to return to the previous display.

**3 Use MULTI-CONTROL to select the desired setting.**

Turn to change the setting.


**SUB W** (subwoofer)—**FULL** (full-range speaker)

- When no subwoofer is connected to the rear output, select **FULL** (full-range speaker).

- When a subwoofer is connected to the rear output, select **SUB W** (subwoofer).

## Initial Settings

### Notes


- Even if you change this setting, there is no output unless you turn the subwoofer output on (refer to *Using subwoofer output* on page 25).
- If you change this setting, subwoofer output in the audio menu return to the factory settings. 

## Switching the feature demo

The feature demo automatically starts when power to this unit is turned off while the ignition switch is set to ACC or ON.


- 1 Use **MULTI-CONTROL** to select **DEMO**.
- 2 Press **MULTI-CONTROL** to turn the feature demo on.
  - To turn the feature demo off, press **MULTI-CONTROL** again.

### Notes

- Remember that if the feature demo continues operating when the car engine is turned off, it may drain battery power.
- You can also turn on or off feature demo by pressing **DISP** while this unit is turned off. For more details, see *About the demo mode* on page 7. 

## Switching the ever scroll


When Ever Scroll is set to ON, recorded text information scrolls continuously in the display. Set to OFF if you prefer the information to scroll just once.

- 1 Use **MULTI-CONTROL** to select **EVER SCROLL**.
- 2 Press **MULTI-CONTROL** to turn the ever scroll on.
  - To turn the Ever Scroll off, press **MULTI-CONTROL** again. 

## Activating the BT AUDIO source

You need to activate the **BT AUDIO** source in order to use a Bluetooth audio player.

- You can only operate this function when Bluetooth adapter (e.g. CD-BTB100) is connected to this unit.

- 1 Use **MULTI-CONTROL** to select **BT AUDIO**.
- 2 Press **MULTI-CONTROL** to turn the **BT AUDIO** source on.
  - To turn the **BT AUDIO** source off, press **MULTI-CONTROL** again. 

## Entering PIN code for Bluetooth wireless connection

To connect your cellular phone to this unit via Bluetooth wireless technology, you need to enter PIN code on your phone to verify the connection. The default code is **0000**, but you can change this in this function.

- You can only operate this function when Bluetooth adapter (e.g. CD-BTB100) is connected to this unit.
- With some Bluetooth audio players, you may be required to enter the Bluetooth audio player PIN code in advance to set this unit for a connection.

- 1 Use **MULTI-CONTROL** to select **PIN CODE INPUT**.
- 2 Press **MULTI-CONTROL** to display the setting mode.
  - Press **BACK** to return to the previous display.
- 3 Turn **MULTI-CONTROL** to select a number.
  - You can also perform the same operations by pushing **MULTI-CONTROL** up or down.
- 4 Press **MULTI-CONTROL** to move the cursor to the next position.
  - You can also perform the same operations by pushing **MULTI-CONTROL** right.

**5 After inputting PIN code (up to 4 digits), press and hold MULTI-CONTROL.**

PIN code can be stored in memory. 

## Displaying system version of Bluetooth adapter for repair

Should this unit connecting Bluetooth adapter fails to operate properly and you consult your dealer for repair, you may be asked to indicate the system version and Bluetooth module version of the adapter. You can display the versions and confirm them.

- You can only operate this function when Bluetooth adapter (e.g. CD-BTB100) is connected to this unit.

**1 Use MULTI-CONTROL to select BT VER INFO.**

**2 Press MULTI-CONTROL to display the setting mode.**

- Press **BACK** to return to the previous display.

**3 Use MULTI-CONTROL to select the desired setting.**

Turn to change the setting.

**System version—Bluetooth module version**

- You can also perform the same operations by pushing **MULTI-CONTROL** up or down. 

## Other Functions

### Using the AUX source

Up to two auxiliary devices such as VCR or portable devices (sold separately) can be connected to this unit. When connected, auxiliary devices are automatically read as AUX sources and assigned to **AUX1** or **AUX2**. The relationship between **AUX1** and **AUX2** sources is explained below.

#### About AUX1 and AUX2

There are two methods to connect auxiliary devices to this unit.

##### AUX1 source:

*When connecting auxiliary device using a stereo mini plug cable*

- **Insert the stereo mini plug into the input jack on this unit.**

For more details, refer to *What's what* on page 9.

This auxiliary device is automatically set to **AUX1**.

##### AUX2 source:

*When connecting auxiliary device using an IP-BUS-RCA Interconnector (sold separately)*

- **Use an IP-BUS-RCA Interconnector such as the CD-RB20/CD-RB10 (sold separately) to connect this unit to auxiliary device featuring RCA output.**

For more details, refer to the IP-BUS-RCA Interconnector owner's manual.

This auxiliary device is automatically set to **AUX2**.

- You can only make this type of connection if the auxiliary device has RCA outputs.

### Selecting AUX as the source

- **Press SOURCE to select AUX as the source.**
  - If the auxiliary setting is not turned on, **AUX** cannot be selected. For more details, see *Switching the auxiliary setting* on page 28.

### Setting the AUX title

The title displayed for the **AUX1** or **AUX2** source can be changed.

- 1 After you have selected AUX as the source, use MULTI-CONTROL and select FUNCTION to display TITLE INPUT.**

- 2 Enter a title in the same way as the built-in CD player.**

For details concerning operation, refer to *Entering disc titles* on page 17. ▣

### Turning the clock display on or off

You can turn the clock display on or off.

- Even when the sources are off, the clock display appears on the display.

- **Press CLOCK to turn the clock display on or off.**

Each press of **CLOCK** turns the clock display on or off.

- The clock display disappears temporarily when you perform other operations, but the clock display appears again after 25 seconds. ▣

## Using the external unit

External unit refers to a Pioneer product (such as ones available in the future) that, although incompatible as a source, enables control of basic functions with this unit. Two external units can be controlled with this unit. When two external units are connected, the external unit is automatically allocated to external unit 1 or external unit 2 by this unit.

Basic operations of the external unit are explained below. Allocated functions are different depending on the connected external unit. For details concerning functions, refer to external unit's owner's manual.

### Selecting the external unit as the source

- Press **SOURCE** to select **EXTERNAL** as the source.

### Basic operation

Functions allocated to the following operations are different depending on the connected external unit. For details concerning functions, refer to the connected external unit's owner's manual.

- Press **BAND**.
- Press and hold **BAND**.
- Push **MULTI-CONTROL** left or right.
- Push and hold **MULTI-CONTROL** left or right.
- Push **MULTI-CONTROL** up or down.

### Using the functions allocated to 1 to 6 keys

- 1 Press **LIST**.

- 2 Use **MULTI-CONTROL** to select **1 KEY** to **6 KEY**.

Turn to change **1 KEY** to **6 KEY** and press.

### Advanced operations

- 1 Press **MULTI-CONTROL** to display the main menu.

- 2 Use **MULTI-CONTROL** to select **FUNCTION**.

Turn to change the menu option. Press to select.


- 3 Turn **MULTI-CONTROL** to select the function.

**FUNC1** (function 1)—**FUNC2** (function 2)—**FUNC3** (function 3)—**FUNC4** (function 4)—**AUTO/MANUAL** (auto/manual)

- You can also turn **FUNC1** on or off by pressing **S.Rtrv**.
- You can also turn **FUNC2** on or off by pressing **RDM/iPod**.
- You can also turn **FUNC3** on or off by pressing **RPT/LOCAL**.



#### Notes

- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the previous display, press **BACK**.
- To return to the main menu, press and hold **BACK**.
- To return to the ordinary display, press **BAND**. 



## Available accessories

### Playing songs on iPod

#### Basic operation

You can use this unit to control an interface adapter for iPod, which is sold separately.

- **Fast forward or reverse**  
Push and hold **MULTI-CONTROL** left or right.
- **Select a track**  
Push **MULTI-CONTROL** left or right.



#### Notes

- Read the precautions for iPod on page 51.
- While iPod is connected to this unit, **PIONEER** (or ✓ (check mark)) is displayed on the iPod.
- If an error message such as **ERROR-11** is displayed, refer to *Error messages* on page 47.
- When the ignition switch is set to ACC or ON, the iPod's battery is charged while the iPod is connected to this unit.
- While the iPod is connected to this unit, the iPod cannot be turned on or off.
- Before connecting the dock connector of this unit to the iPod, disconnect the headphones from the iPod.
- The iPod is turned off about two minutes after the ignition switch is set to OFF.

### Displaying text information on iPod

The operation is the same as that of the iPod connected to USB interface of this unit. (Refer to *Displaying text information on iPod* on page 20.)

#### Browsing for a song

The operation is the same as that of the iPod connected to USB interface of this unit. (Refer to *Browsing for a song* on page 20.)

However, the selectable categories are slightly different. Selectable categories are

**PLAYLISTS** (playlists)—**ARTISTS** (artists)—**ALBUMS** (albums)—**SONGS** (songs)—**GENRES** (genres)



#### Note

If a playlist is selected, first, this unit shows the playlist of your iPod's name. This plays all the songs in your iPod.

### Function and operation

**1 Press MULTI-CONTROL to display the main menu.**

**2 Use MULTI-CONTROL to select FUNCTION.**

Turn to change the menu option. Press to select.

**3 Turn MULTI-CONTROL to select the function.**

**REPEAT** (repeat play)—**SHUFFLE** (shuffle)—**PAUSE** (pause)

#### Function and operation

**REPEAT** is the same as that of iPod connected to USB interface of this unit.

**PAUSE** is the same as that of the built-in CD player.

Function name	Operation
<b>REPEAT</b>	Refer to <i>Function and operation</i> on page 21.
<b>PAUSE</b>	Refer to <i>Pausing playback</i> on page 17.



#### Notes


- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the previous display, press **BACK**.
- To return to the main menu, press and hold **BACK**.
- To return to the ordinary display, press **BAND**.
- If you do not operate functions within about 30 seconds, the display automatically returns to the ordinary display.

## Playing songs in a random order (shuffle)

- Press **⏮** repeatedly to select the desired setting.
  - **SONGS** – Play back songs in the selected list in random order.
  - **ALBUMS** – Play back songs from a randomly selected album in order.
  - **OFF** – Cancel random play.
- To turn shuffle off, press **⏮** again.



### Note

You can also perform this operation in the menu that appears by using **MULTI-CONTROL**. 

## Bluetooth Audio

### Basic Operations

*If you connect a Bluetooth adapter (e.g. CD-BTB100) to this unit, you can control Bluetooth audio players via Bluetooth wireless technology.*



### Important

- Depending on the Bluetooth audio player connected to this unit, the operations available with this unit are limited to the following two levels:
  - A2DP profile (Advanced Audio Distribution Profile): Only playing back songs on your audio player is possible.
  - AVRCP profile (Audio/Video Remote Control Profile): Playing back, pausing, selecting songs, etc., are possible.
- Since there are a number of Bluetooth audio players available on the market, operations with your Bluetooth audio player using this unit vary extensively. Refer to the instruction manual that came with your Bluetooth audio player as well as this manual while operating your player on this unit.
- Information about songs (e.g. the elapsed playing time, song title, song index, etc.) cannot be displayed on this unit.

- While you are listening to songs on your Bluetooth audio player, refrain from using on your cellular phone as much as possible. If you use your cellular phone, the signal from your cellular phone may cause noise on the song playback.
- When you are talking on a cellular phone connected to this unit via Bluetooth wireless technology, song playback from your Bluetooth audio player connected to this unit is muted.
- Even if you are listening to a song on your Bluetooth audio player and you switch to another source, song playback continues.

- **Fast forward or reverse**

Push and hold **MULTI-CONTROL** left or right.

- **Select a track**

Push **MULTI-CONTROL** left or right.



### Notes

- For details concerning operation, refer to the Bluetooth adapter's operation manual. This section provides brief information on Bluetooth audio player operations with this unit, which slightly differs or is abbreviated from that described in the Bluetooth adapter's operation manual.
- Even though your audio player does not contain a Bluetooth module, you can still control it from this unit via Bluetooth wireless technology. To control your audio player using this unit, connect a product featuring Bluetooth wireless technology (available on the market) to your audio player and connect the Bluetooth adapter (e.g. CD-BTB100) to this unit.

## Function and operation

**1 Press MULTI-CONTROL to display the main menu.**

**2 Use MULTI-CONTROL to select FUNCTION.**

Turn to change the menu option. Press to select.

## Available accessories

### 3 Turn MULTI-CONTROL to select the function.

**CONNECTION OPEN** (connection open)—**DISCONNECT AUDIO** (disconnect audio)—**PLAY** (Play)—**STOP** (Stop)—**PAUSE** (pause)—**DEVICE INFO** (device information)

**PAUSE** is the same as that of the built-in CD player. (Refer to *Pausing playback* on page 17.)

- You can also perform the same operations by pushing **MULTI-CONTROL** up or down.



#### Notes

- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the previous display, press **BACK**.
- To return to the main menu, press and hold **BACK**.
- To return to the ordinary display, press **BAND**.
- If a Bluetooth audio player is not connected to this unit yet, **CONNECTION OPEN** and **DEVICE INFO** appear in the function menu and other functions are not available.
- If a Bluetooth audio player is connected via higher level, **CONNECTION OPEN** does not appear in the function menu and the other functions are available.
- If a Bluetooth audio player is connected via lower level, only **DISCONNECT AUDIO** and **DEVICE INFO** appear in the function menu.
- If you do not operate functions other than **CONNECTION OPEN** and **DISCONNECT AUDIO** within about 30 seconds, the display is automatically returned to the ordinary display.

### Connecting a Bluetooth audio player

1 Use **MULTI-CONTROL** to select **CONNECTION OPEN** in the function menu.

2 Press **MULTI-CONTROL** to open the connection.

**ALWAYS WAITING** is displayed. This unit is now on standby for connection from Bluetooth audio player.

If your Bluetooth audio player is set ready for Bluetooth wireless connection, connection to this unit is automatically established.



#### Note

Before you can use audio players you may need to enter the PIN code into this unit. If your player requires a PIN code to establish a connection, look for the code on the player or in its accompanying documentation. Refer to *Entering PIN code for Bluetooth wireless connection* on page 29.

### Playing songs on a Bluetooth audio player

1 Use **MULTI-CONTROL** to select **PLAY** in the function menu.

2 Press **MULTI-CONTROL** to start playback.

### Stopping playback

1 Use **MULTI-CONTROL** to select **STOP** in the function menu.

2 Press **MULTI-CONTROL** to stop the playback.

### Disconnecting a Bluetooth audio player

1 Use **MULTI-CONTROL** to select **DISCONNECT AUDIO** in the function menu.

2 Press **MULTI-CONTROL** to disconnect the Bluetooth audio player. **DISCONNECTED** is displayed. The Bluetooth audio player is now disconnected from this unit.


### Displaying BD (Bluetooth Device) address

1 Use **MULTI-CONTROL** to select **DEVICE INFO** in the function menu.

**2 Press MULTI-CONTROL to display the setting mode.**

**3 Use MULTI-CONTROL to select the desired setting.**

Turn to change the setting.

**DEVICE NAME** (Device name)—**BD ADDRESS** (BD (Bluetooth Device) address) 

## Bluetooth Telephone

### Basic Operations

*If you use a Bluetooth adapter (e.g. CD-BTB100), you can connect a cellular phone featuring Bluetooth wireless technology to this unit for hands-free, wireless calls, even while driving.*



#### Important

- Since this unit is on standby to connect with your cellular phone via Bluetooth wireless technology, using this unit without running the engine can result in battery drainage.
- Advanced operations that require your attention such as dialing numbers on the monitor, using phone book, etc., are prohibited while you are driving. When you need to use these advanced operations, stop your vehicle in a safe place.



#### Notes

- The equalizer curve for the phone source is fixed.
- When selecting the phone source, you can only operate **FADER/BALANCE** (balance adjustment) in the audio menu.

### Setting up for hands-free phoning

Before you can use the hands-free phoning function you must set up the unit for use with your cellular phone. This entails establishing a Bluetooth wireless connection between this unit and your phone, registering your phone with this unit, and adjusting the volume level.

#### 1 Connection

For detailed instructions on connecting your phone to this unit via Bluetooth wireless technology, refer to *Connecting a cellular phone* on page 38.

- Your phone should now be temporarily connected. However, to make best use of the technology, we recommend you register the phone to this unit.

#### 2 Registration

To register your temporarily connected phone, refer to *Registering a connected cellular phone* on page 39.

#### 3 Volume adjustment

Adjust the earpiece volume on your cellular phone for comfort. When adjusted, the volume level is recorded in this unit as the default setting.

- Caller's voice volume and ring volume may vary depending on the type of cellular phone.
- If the difference between the ring volume and caller's voice volume is big, overall volume level may become unstable.
- Before disconnecting the cellular phone from this unit, make sure to adjust the volume to a proper level. If the volume is muted (zero level) on your cellular phone, the volume level of your cellular phone remains muted even after the cellular phone is disconnected.

## Making a phone call

### Voice recognition

**1 Press BAND and hold until VOICE DIAL appears in the display.**

**VOICE DIAL** appears in the display. When **VOICE DIAL ON** is displayed, voice recognition function is now ready.

- If your cellular phone does not feature voice recognition function, **NO VOICE DIAL** appears in the display and operation is not possible.

**2 Pronounce the name of your contact.**

## Available accessories

### Taking a phone call

#### Answering or rejecting an incoming call

- **Answering an incoming call**

When a call comes in, press

**MULTI-CONTROL**.

- You can also perform this operation by pushing **MULTI-CONTROL** up.

- **End a call**

Push **MULTI-CONTROL** down.

- **Rejecting an incoming call**

When a call comes in, push **MULTI-CONTROL** down.



#### Notes

- If private mode is selected on the cellular phone, hands-free phoning may not be performed.
- The estimated call time appears in the display (this may differ slightly from the actual call time).

### Operating a call waiting

- **Answering a call waiting**

When a call comes in, press

**MULTI-CONTROL**.

- You can also perform this operation by pushing **MULTI-CONTROL** up.

- **End all calls**

Push **MULTI-CONTROL** down.

- **Switch between callers on hold**

Press **MULTI-CONTROL**.

- You can also perform this operation by pushing **MULTI-CONTROL** up.

- **Rejecting call waiting**

Push **MULTI-CONTROL** down.



#### Notes

- Pushing **MULTI-CONTROL** down ends all calls including calls waiting on line.
- To end the call, both you and your caller need to hang up the phone.

### Introduction to advanced operations

**1 Press MULTI-CONTROL to display the main menu.**

**2 Use MULTI-CONTROL to select FUNCTION.**

Turn to change the menu option. Press to select.

**3 Turn MULTI-CONTROL to select the function.**

**SEARCH PHONE** (search and connect)—  
**CONNECTION OPEN** (connection open)—  
**DISCONNECT PHONE** (disconnect phone)—  
**CONNECT PHONE** (connect phone)—  
**SET PHONE** (registering phone)—  
**DELETE PHONE** (delete phone)—  
**PH BOOK TRANSFER** (phone book transfer)—  
**CLEAR MEMORY** (clear memory)—  
**NUMBER DIAL** (call by entering number)—  
**REFUSE CALLS** (automatic reject setting)—  
**AUTO ANSWER** (automatic answer setting)—  
**RING TONE** (ring tone select)—  
**AUTO CONNECT** (automatic connection setting)—  
**ECHO CANCEL** (echo cancel)—  
**DEVICE INFO** (device information)

#### **If not connected yet**

The following functions cannot be operated.

- **DISCONNECT PHONE** (disconnect phone)
- **SET PHONE** (registering phone)
- **CLEAR MEMORY** (clear memory)
- **NUMBER DIAL** (call by entering number)

#### **If connected but not registered yet**

The following functions cannot be operated.

- **SEARCH PHONE** (search and connect)
- **CONNECTION OPEN** (connection open)
- **CONNECT PHONE** (connect phone)
- **CLEAR MEMORY** (clear memory)

#### **If already connected and registered**

The following functions cannot be operated.

- **SEARCH PHONE** (search and connect)
- **CONNECTION OPEN** (connection open)
- **CONNECT PHONE** (connect phone)
- **SET PHONE** (registering phone)

**Notes**

- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the previous display, press **BACK**.
- To return to the main menu, press and hold **BACK**.
- To return to the playback display, press **BAND**.
- **DEVICE INFO** is the same as that of the Bluetooth audio. (Refer to *Displaying BD (Bluetooth Device) address* on page 35.)
- If a cellular phone is connected to this unit via Bluetooth wireless technology with HSP (Head Set Profile), **CLEAR MEMORY** and **NUMBER DIAL** cannot be selected.
- If you do not operate functions other than **SEARCH PHONE**, **CONNECTION OPEN**, **CONNECT PHONE**, **PH BOOK TRANSFER**, **DISCONNECT PHONE**, **NUMBER DIAL** and **CLEAR MEMORY** within about 30 seconds, the display automatically returns to the ordinary display.

**Connecting a cellular phone****Searching for available cellular phones**

**1 Use MULTI-CONTROL to select SEARCH PHONE in the function menu.**

**2 Press MULTI-CONTROL to search for available cellular phones.**

While searching, **SEARCHING** flashes. When available cellular phones featuring Bluetooth wireless technology are found, device name or **NAME NOT FOUND** (if names cannot be obtained) is displayed.

- If this unit fails to find any available cellular phones, **NOT FOUND** is displayed.

**3 Turn MULTI-CONTROL to select a device name you want to connect.**

- You can also perform the same operations by pushing **MULTI-CONTROL** up or down.

**4 Press MULTI-CONTROL to connect the selected cellular phone.**

While connecting, **CONNECTING** flashes. To complete the connection, check the device

name (**PIONEER BT UNIT**) and enter the link code on your cellular phone. If the connection is established, **CONNECTED** is displayed.

- PIN code is set to **0000** as the default. You can change this code in the initial setting. Refer to *Entering PIN code for Bluetooth wireless connection* on page 29.

**Using a cellular phone to initiate a connection**

**1 Use MULTI-CONTROL to select CONNECTION OPEN in the function menu.**

**2 Press MULTI-CONTROL to open the connection.**

**ALWAYS WAITING** flashes and the unit is now on standby for connection from a cellular phone.

**3 Use cellular phone to connect to this unit.**

- PIN code is set to **0000** as the default. You can change this code in the initial setting. Refer to *Entering PIN code for Bluetooth wireless connection* on page 29.

**Disconnecting a cellular phone**

**1 Use MULTI-CONTROL to select DISCONNECT PHONE in the function menu.**

Device name of the connected phone appears in the display.

**2 Press MULTI-CONTROL to disconnect a cellular phone from this unit.**

After disconnection is completed, **DISCONNECTED** is displayed.

## Available accessories

### Registering a connected cellular phone

- 1 Use **MULTI-CONTROL** to select **SET PHONE** in the function menu.
- 2 Press **MULTI-CONTROL** to display the setting mode.
- 3 Turn **MULTI-CONTROL** to select a registration assignment.

**P1** (user phone 1)—**P2** (user phone 2)—**P3** (user phone 3)—**G1** (guest phone 1)—**G2** (guest phone 2)

- You can also perform the same operations by pushing **MULTI-CONTROL** up or down.
- As you select each assignment, you can see whether or not a phone is already registered. If the assignment is empty, **NO DATA** is displayed. If the assignment is already taken, the device name appears. To replace an assignment with a new phone, first delete the current assignment. For more detailed instructions, see *Deleting a registered phone* on this page.

- 4 Press **MULTI-CONTROL** to register the currently connected phone.

When registration is completed, **REG COMPLETED** is displayed.

- If the registration fails, **REG ERROR** is displayed. In this case, return to step 1 and try again.

### Deleting a registered phone

- 1 Use **MULTI-CONTROL** to select **DELETE PHONE** in the function menu.
  - 2 Press **MULTI-CONTROL** to display the setting mode.
  - 3 Turn **MULTI-CONTROL** to select a registration assignment.
- P1** (user phone 1)—**P2** (user phone 2)—**P3** (user phone 3)—**G1** (guest phone 1)—**G2** (guest phone 2)
- You can also perform the same operations by pushing **MULTI-CONTROL** up or down.

- If the assignment is empty, **NO DATA** is displayed and operation is not possible.

- 4 Press **MULTI-CONTROL** to show the confirmation display.

- 5 Turn **MULTI-CONTROL** to select **DELETE OK? :YES**.

The phone being deleted is now on standby.

- To cancel, select **DELETE OK? :NO**.

- 6 Press **MULTI-CONTROL** to delete the phone.

After the phone is deleted, **DELETED** is displayed.

### Connecting to a registered cellular phone

#### Connecting to a registered phone manually

- 1 Use **MULTI-CONTROL** to select **CONNECT PHONE** in the function menu.
- 2 Press **MULTI-CONTROL** to display the setting mode.

- 3 Turn **MULTI-CONTROL** to select a registration assignment.

**P1** (user phone 1)—**P2** (user phone 2)—**P3** (user phone 3)—**G1** (guest phone 1)—**G2** (guest phone 2)

- You can also perform the same operations by pushing **MULTI-CONTROL** up or down.
- If the assignment is empty, **NO DATA** is displayed and operation is not possible.

- 4 Press **MULTI-CONTROL** to connect the selected cellular phone.

While connecting, **CONNECTING** is displayed. After the connection is completed, **CONNECTED** is displayed.

#### Connecting to a registered phone automatically

- 1 Use **MULTI-CONTROL** to select **AUTO CONNECT** in the function menu.

## Available accessories

### 2 Press MULTI-CONTROL to turn automatic connection on.

If your cellular phone is ready for Bluetooth wireless connection, connection to this unit is automatically established.

- To turn automatic connection off, press **MULTI-CONTROL** again.

## Using the phone book

### Transferring entries to the phone book

The Phone Book can hold a total of 500 entries. 300 from User 1, 150 from User 2, and 50 from User 3.

#### 1 Use MULTI-CONTROL to select PH BOOK TRANSFER in the function menu.

#### 2 Press MULTI-CONTROL to show the confirmation display.

**TRANSFER: YES** appears in the display.

#### 3 Press MULTI-CONTROL to enter the phone book transfer standby mode.

#### 4 Use the cellular phone to perform phone book transfer.

Perform phone book transfer using the cellular phone. For detailed instructions, refer to the instruction manual that came with your cellular phone.

- The display indicates how many entries have been transferred and the total number to be transferred.

#### 5 **DATA TRANSFERRED** is displayed and phone book transfer is completed.

### Calling a number in the phone book



#### Important

Be sure to park your vehicle and apply the parking brake when performing this operation.

After finding the number you want to call in the phone book, you can select the entry and make the call.

#### 1 Press LIST to display the phone book.

#### 2 Press MULTI-CONTROL to display ABC SEARCH.

#### 3 Turn MULTI-CONTROL to select the first letter of the name you are looking for.

#### 4 Press MULTI-CONTROL to display an entry.

The display shows the first Phone Book entry starting with that letter (e.g. "Ben", "Brian" and "Burt" when "B" is selected).

#### 5 Turn MULTI-CONTROL to select an entry you want to call.

#### 6 Press MULTI-CONTROL to display a phone number.

#### 7 Turn MULTI-CONTROL to select a phone number you want to call.

- If one phone number is entered in an entry, this operation is not available.
- If you want to go back and select another entry, press **BACK**.

#### 8 Press MULTI-CONTROL to make a call.

- Press and hold **MULTI-CONTROL** to switch to phone book delete display. For details, refer to *Clearing memory* on the next page.

## Using the call history



#### Important

Be sure to park your vehicle and apply the parking brake when performing this operation.

The 12 most recent calls made (dialed), received and missed, are stored in the call history. You can browse the call history and call numbers from it.

#### 1 Press LIST to display the list.

#### 2 Turn MULTI-CONTROL to select a list. Phone book—**MISSED CALLS** (missed call)—**DIALED CALLS** (dialed call)—**RECEIVED CALLS** (received call)



## Available accessories

- For more details about the Phone Book list, refer to *Using the phone book* on the previous page.
- If no phone numbers are stored in the selected list, **NO DATA** is displayed.

**3 Press MULTI-CONTROL to display a registered name list.**

**4 Turn MULTI-CONTROL to select a phone number.**

- If the phone number is already in the phone book, the corresponding name is displayed.
- You can also change the phone number by pushing **MULTI-CONTROL** up or down.

**5 Press MULTI-CONTROL to make a call.**

- For an international call, press and hold **MULTI-CONTROL** to add **+** to the phone number.

## Making a call by entering phone number



### Important

Be sure to park your vehicle and apply the parking brake when performing this operation.

**1 Use MULTI-CONTROL to select NUMBER DIAL in the function menu.**

**2 Press MULTI-CONTROL to display the number input screen.**

**3 Turn MULTI-CONTROL to select a number.**

- You can also perform the same operations by pushing **MULTI-CONTROL** up or down.

**4 Press MULTI-CONTROL to move the cursor to the next position.**

- Up to 24 digits can be entered.

**5 When you completed entering the number, press and hold MULTI-CONTROL to make a call.**

Call confirmation appears.

- If a 24-digit phone number is entered, press **MULTI-CONTROL**. And then press and hold **MULTI-CONTROL** to make a call.

## Clearing memory

**1 Use MULTI-CONTROL to select CLEAR MEMORY in the function menu.**

**2 Press MULTI-CONTROL to display the setting mode.**

**3 Turn MULTI-CONTROL to select an item. PHONE BOOK (phone book)—MISSED (missed call history)—DIALED (dialed call history)—RECEIVED (received call history)—ALL (delete all memory)**

- If you want to clear the Phone Book and dialed/received/missed call history list, select **ALL**.

- If guest phone is connected to this unit via Bluetooth wireless technology, **PHONE BOOK** cannot be selected.

**4 Press MULTI-CONTROL to determine the item that you want to delete.**

**5 Turn MULTI-CONTROL to select CLEAR MEMORY: YES.**

Clearing memory is now on standby.

- To cancel, select **CLEAR MEMORY: NO**.

**6 Press MULTI-CONTROL to clear the memory.**

While clearing, **CLEARING** is displayed. After the data on the selected item is cleared, **CLEARED** is displayed.

## Setting automatic rejecting

**1 Use MULTI-CONTROL to select REFUSE CALLS in the function menu.**

**2 Press MULTI-CONTROL to turn automatic call rejection on.**

- To turn automatic call rejection off, press **MULTI-CONTROL** again.


## Setting automatic answering

- 1 Use **MULTI-CONTROL** to select **AUTO ANSWER** in the function menu.
- 2 Press **MULTI-CONTROL** to turn automatic answering on.
  - To turn automatic answering function off, press **MULTI-CONTROL** again.

## Switching the ring tone

- 1 Use **MULTI-CONTROL** to select **RING TONE** in the function menu.
- 2 Press **MULTI-CONTROL** to turn the ring tone on.
  - To turn the ring tone off, press **MULTI-CONTROL** again.

## Echo canceling and noise reduction

- 1 Use **MULTI-CONTROL** to select **ECHO CANCEL** in the function menu.
- 2 Press **MULTI-CONTROL** to turn echo canceling on.
  - To turn echo canceling off, press **MULTI-CONTROL** again. 

## Multi-CD Player

### Basic Operations

You can use this unit to control a multi-CD player, which is sold separately.

- Only functions described in this manual are supported by 50-disc multi-CD players.
- This unit is not designed to operate disc title list functions with a 50-disc multi-CD player. For information about the disc title list functions, refer to *Selecting discs from the disc title list* on page 45.

- **Select a disc**  
Push **MULTI-CONTROL** up or down.

- **Fast forward or reverse**  
Push and hold **MULTI-CONTROL** left or right.

- **Select a track**  
Push **MULTI-CONTROL** left or right.

### Notes

- When multi-CD player completes preparatory operations, **READY** is displayed.
- If an error message such as **ERROR-11** is displayed, refer to the multi-CD player owner's manual.
- If there are no discs in the multi-CD player magazine, **NO DISC** is displayed.

## Using CD TEXT functions

You can use these functions only with a CD TEXT compatible multi-CD player.

The operation is the same as that of the built-in CD player.

Refer to *Displaying text information on disc* on page 14.

## Introduction to advanced operations

You can only use **COMP/DBE** (compression and DBE) with a multi-CD player that supports them.

- 1 Press **MULTI-CONTROL** to display the main menu.

- 2 Use **MULTI-CONTROL** to select **FUNCTION**.  
Turn to change the menu option. Press to select.

- 3 Turn **MULTI-CONTROL** to select the function.  
**REPEAT** (repeat play)—**RANDOM** (random play)—**SCAN** (scan play)—**PAUSE** (pause)—**COMP/DBE** (compression and DBE)—**ITS PLAY** (ITS play)—**ITS MEMORY** (ITS programming)—**TITLE INPUT** (disc title input)

## Available accessories

- If you do not operate functions other than **ITS MEMORY** and **TITLE INPUT** within about 30 seconds, the display automatically returns to the ordinary display.
- When playing a CD TEXT disc on a CD TEXT compatible multi-CD player, you cannot switch to **TITLE INPUT**. The disc title is already recorded on the CD TEXT disc.

### Function and operation

**REPEAT, RANDOM, SCAN, PAUSE, COMP/DBE** and **TITLE INPUT** operations are basically the same as that of the built-in CD player.

Function name	Operation
<b>REPEAT</b>	Refer to <i>Selecting a repeat play range</i> on page 16. However, the repeat play ranges you can select are different from that of the built-in CD player. The repeat play ranges of the multi-CD player are: <ul style="list-style-type: none"> <li>• <b>MCD</b> – Repeat all discs in the multi-CD player</li> <li>• <b>TRACK</b> – Repeat just the current track</li> <li>• <b>DISC</b> – Repeat the current disc</li> </ul>
<b>RANDOM</b>	Refer to <i>Playing tracks in random order</i> on page 16.
<b>SCAN</b>	Refer to <i>Scanning folders and tracks</i> on page 16.
<b>PAUSE</b>	Refer to <i>Pausing playback</i> on page 17.
<b>TITLE INPUT</b>	Refer to <i>Entering disc titles</i> on page 17.



### Notes

- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the previous display, press **BACK**.
- To return to the main menu, press and hold **BACK**.
- To return to the playback display, press **BAND**.
- If you select other discs during repeat play, the repeat play range changes to **MCD**.

- If you perform track search or fast forward/reverse during **TRACK**, the repeat play range changes to **DISC**.
- After track or disc scanning is finished, normal playback of the tracks begins again.

### Using compression and bass emphasis

You can only use these functions with a multi-CD player that supports them.

COMP (compression) and DBE (dynamic bass emphasis) functions lets you adjust the sound playback quality of the multi-CD player.

#### 1 Use MULTI-CONTROL to select COMP/DBE in the function menu.

- If the multi-CD player does not support COMP/DBE, **NO COMP** is displayed when you attempt to select it.

#### 2 Turn MULTI-CONTROL to select the desired setting.

**OFF—COMP 1—COMP 2—OFF—DBE 1—DBE 2**

### Using ITS playlists

ITS (instant track selection) lets you make a playlist of favorite tracks from the multi-CD player magazine. After you have added your favorite tracks to the playlist, you can turn on ITS play and play just those selections.

You can use ITS to enter and play back up to 99 tracks per disc from up to 100 discs (with the disc titles). (With multi-CD players sold before the CDX-P1250 and CDX-P650, up to 24 tracks can be stored in the playlist.)

### Creating a playlist with ITS programming

#### 1 Play a CD that you want to program.

Push **MULTI-CONTROL** up or down to select the CD.

#### 2 Use MULTI-CONTROL to select ITS MEMORY in the function menu.

## Available accessories

**3 Press MULTI-CONTROL to display the setting mode.**

**4 Turn MULTI-CONTROL to select the desired track.**

**5 Press MULTI-CONTROL to select MEMORY.**

- If **DELETE** is displayed, turn **MULTI-CONTROL** to display **MEMORY**.

**6 Press MULTI-CONTROL to memory the track.**

**MEMORY COMPLETE** is displayed and the currently playing selection is added to your playlist.



### Note

After data for 100 discs is stored in memory, data for a new disc will overwrite the oldest one.

### Playback from your ITS playlist

ITS play lets you listen to the tracks that you have entered into your ITS playlist. When you turn on ITS play, tracks from your ITS playlist in the multi-CD player begin to play.

**1 Select the repeat range.**

**2 Use MULTI-CONTROL to select ITS PLAY in the function menu.**

**3 Press MULTI-CONTROL to turn ITS play on.**

**ITS PLAY:ON** appears in the display. Playback begins of those tracks from your playlist within the previously selected **MCD** or **DISC** ranges.

- If no tracks in the current range are programmed for ITS play, then **EMPTY** is displayed.
- To turn ITS play off, press **MULTI-CONTROL** again.

### Erasing a track from your ITS playlist

You can delete a track from your ITS playlist if ITS play is on.

If ITS play is already on, skip to step 2. If ITS play is off, use **MULTI-CONTROL**.

**1 Play the CD with the track you want to delete from your ITS playlist, and turn ITS play on.**

Refer to *Playback from your ITS playlist* on this page.

**2 Use MULTI-CONTROL to select ITS MEMORY in the function menu.**

**3 Press MULTI-CONTROL to display the setting mode.**

**4 Turn MULTI-CONTROL to select the desired track.**

**5 Press MULTI-CONTROL to select DELETE.**

- If **MEMORY** is displayed, turn **MULTI-CONTROL** to display **DELETE**.

**6 Press MULTI-CONTROL to delete the track.**

The currently playing selection is erased from your ITS playlist and playback of the next track begins.

- If there are no tracks from your playlist in the current range, **EMPTY** is displayed and normal playback resumes.

### Erasing a CD from your ITS playlist

You can delete all tracks of a CD from your ITS playlist if ITS play is off.

**1 Play the CD that you want to delete.**

**2 Use MULTI-CONTROL to select ITS MEMORY in the function menu.**

**3 Press MULTI-CONTROL to display the setting mode.**

**4 Press MULTI-CONTROL to select DELETE.**

All tracks on the currently playing CD are deleted from your playlist and **MEMORY DELETED** is displayed.

- If **MEMORY** is displayed, turn **MULTI-CONTROL** to display **DELETE**.

## Available accessories

### 5 Press **MULTI-CONTROL** to delete the CD.

All tracks on the currently playing CD are deleted from your playlist and **MEMORY DELETED** is displayed.

### Using disc title functions

You can input CD titles and display the titles. Then, you can easily search for and play a desired disc.

#### Entering disc titles

Use the disc title input feature to store up to 100 CD titles (with ITS playlist) into the multi-CD player. Each title can be up to 10 characters long.

For details concerning operation, refer to *Entering disc titles* on page 17.

- Titles remain in the memory even after the disc is removed from the magazine, and are recalled when the disc is reinserted.
- After data for 100 discs is stored in memory, data for a new disc will overwrite the oldest one.

#### Displaying disc titles

You can display the text information of any disc that has the disc title entered.

The operation is the same as that of the built-in CD player.

Refer to *Displaying text information on disc* on page 14.

#### Selecting discs from the disc title list


Disc title list lets you see the list of disc titles entered in the multi-CD player and select one of them to play back.

##### 1 Press **LIST** to switch to the disc title list mode during the playback display.

##### 2 Use **MULTI-CONTROL** to select the desired disc title.

Turn to change the disc title. Press to play.

- You can also change the disc title by pushing **MULTI-CONTROL** up or down.

- You can also play the disc by pushing **MULTI-CONTROL** right.
- When playing CD TEXT disc, press **MULTI-CONTROL** to see a list of the tracks in the selected disc. Press **BACK** or push **MULTI-CONTROL** left to return to the disc list.
- To return to the ordinary display, press **BAND** or **LIST**.
- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.
- If no title is entered for a disc, **NO DISC TITLE** is displayed.
- **NO DISC** is displayed next to the disc number when there is no disc in the magazine. 

## TV tuner

### Basic Operations

*You can use this unit to control a TV tuner, which is sold separately.*

For details concerning operation, refer to the TV tuner's operation manual. This section provides information on TV operations with this unit, which differs from that described in the TV tuner's operation manual.

#### ● Select a band

Press **BAND**.

#### ● Select a channel (step by step)

Push **MULTI-CONTROL** left or right.

#### ● Seek tuning

Push and hold **MULTI-CONTROL** left or right, and then release.

#### Notes

- Band can be selected from **TV1** or **TV2**.
- You can cancel seek tuning by pushing **MULTI-CONTROL** left or right.
- While pushing and holding **MULTI-CONTROL** left or right, you can skip stations. Seek tuning starts as soon as you release **MULTI-CONTROL**.

## Storing and recalling broadcast stations

You can easily store up to 12 broadcast stations for later recall.

- 12 stations for each band can be stored in memory.

### 1 Press LIST.

Preset screen is displayed.

### 2 Use MULTI-CONTROL to store the selected station in memory.

Turn to change the preset number. Press and hold to store.

- You can also store the station in memory by pushing and holding **MULTI-CONTROL** right.


### 3 Use MULTI-CONTROL to select the desired station.

Turn to change the station. Press to select.

- You can also change the station by pushing **MULTI-CONTROL** up or down.
- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

### 4 Use MULTI-CONTROL to select the desired station.

Turn to change the station. Press to select.

- You can also change the station by pushing **MULTI-CONTROL** up or down.
- To return to the channel display, press **BAND**.
- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display. 

## Storing the strongest broadcast stations sequentially

### 1 Press MULTI-CONTROL to display the main menu.

### 2 Use MULTI-CONTROL and select FUNCTION to display BSSM.

- You can also select the function by pressing **FUNCTION** on the remote control.

### 3 Press MULTI-CONTROL to turn BSSM on.

**SEARCH** begins to flash. While **SEARCH** is flashing, the 12 strongest broadcast stations are stored in order from the lowest channel up. When finished, the preset channel list appears.

- To cancel the storage process, press **MULTI-CONTROL** again.

## Additional Information

### Error messages

When you contact your dealer or your nearest Pioneer Service Center, be sure to have the error message recorded.

#### Built-in CD Player

Message	Cause	Action
<b>ERROR-11, 12, 17, 30</b>	Dirty disc	Clean disc.
<b>ERROR-11, 12, 17, 30</b>	Scratched disc	Replace disc.
<b>ERROR-10, 11, 12, 15, 17, 30, A0</b>	Electrical or mechanical	Turn the ignition switch OFF and back ON, or switch to a different source, then back to the CD player.
<b>ERROR-15</b>	The inserted disc does not contain any data	Replace disc.
<b>ERROR-22, 23</b>	The CD format cannot be played back	Replace disc.
<b>NO AUDIO</b>	The inserted disc does not contain any files that can be played back	Replace disc.
<b>TRK SKIPPED</b>	The inserted disc contains WMA files that are protected by DRM	Replace disc.
<b>PROTECT</b>	All the files on the inserted disc are secured by DRM	Replace disc.

#### USB audio player/USB memory

Message	Cause	Action
<b>NO AUDIO</b>	No songs	Transfer the audio files to the USB portable audio player/USB memory and connect.
	USB memory with security enabled is connected	Follow the USB memory instructions to disable the security.

<b>TRK SKIPPED</b>	The connected external storage device contains WMA files that are protected by Windows Media Media™ DRM 9/10	Play an audio file not protected by Windows Media DRM 9/10.
<b>PROTECT</b>	All the files on the connected USB portable audio player/USB memory are protected by Windows Media DRM 9/10	Transfer audio files not protected by Windows Media DRM 9/10 to the USB portable audio player/USB memory and connect.
<b>N/A USB</b>	The USB device connected to is not supported by this unit.	Connect a USB portable audio player or USB memory that is USB Mass Storage Class compliant.
<b>CHECK USB</b>	The USB connector or USB cable is short-circuited.	Confirm that the USB connector or USB cable is not caught in something or damaged.
	The connected USB portable audio player/USB memory consumes more than 500 mA (maximum allowable current).	Disconnect the USB portable audio player/USB memory and do not use it. Turn the ignition switch to OFF, then to ACC or ON and then connect the compliant USB portable audio player/USB memory.
<b>ERROR-19</b>	Communication failure	Perform one of the following operations. –Turn the ignition switch OFF and back ON. –Disconnect the USB portable audio player/USB memory. –Change to a different source. Then, return to the USB portable audio player/USB memory.

## Additional Information

<b>ERROR-23</b>	USB device is not formatted with FAT16 or FAT32	USB device should be formatted with FAT16 or FAT32.
-----------------	---	---

### iPod

Message	Cause	Action
<b>ERROR-19</b>	Communication failure	Disconnect the cable from iPod. Once iPod main menu is displayed, connect the cable again. Reset the iPod.
	iPod failure	Disconnect the cable from iPod. Once iPod main menu is displayed, connect the cable again. Reset the iPod.
<b>N/A USB</b>	Old version of iPod	Update the iPod version.
	iPod failure	Reset the iPod.
<b>ERROR-16</b>	Old version of iPod	Update the iPod version.
	iPod failure	Disconnect the cable from iPod. Once iPod main menu is displayed, connect the cable again. Reset the iPod.
<b>ERROR-A1 CHECK USB</b>	iPod is not charged but operates correctly	Check if the connection cable for iPod shorted out (e.g., not caught in metal objects). After checking, turn the ignition switch OFF and back ON or disconnect the iPod and connect again.
<b>NO SONGS</b>	No songs	Transfer the songs to iPod.
<b>STOP</b>	No songs in the current list	Select a list that contains the songs.



## Handling guideline of discs and player

- Use only discs featuring either of following two logos.




- Use only conventional, fully circular discs. Do not use shaped discs.




- Use 12-cm or 8-cm CD. Do not use an adapter when playing 8-cm CDs.
- Do not insert anything other than a CD into the CD loading slot.
- Do not use cracked, chipped, warped, or otherwise damaged discs as they may damage the player.
- Unfinalized CD-R/CD-RW disc playback is not possible.
- Do not touch the recorded surface of the discs.
- Store discs in their cases when not in use.
- Avoid leaving discs in excessively hot environments including under direct sunlight.
- Do not attach labels, write on or apply chemicals to the surface of the discs.
- To clean a CD, wipe the disc with a soft cloth outward from the center.
- Condensation may temporarily impair the player's performance. Leave it to adjust to the warmer temperature for about one hour. Also, wipe any dump discs with a soft cloth.
- Playback of discs may not be possible because of disc characteristics, disc format, recorded application, playback environment, storage conditions, and so on.



## Additional Information

- Text information may not be correctly displayed depending on the recorded environment.
- Road shocks may interrupt disc playback.
- Read the precautions for discs before using them. 

### Dual Discs

- Dual Discs are two-sided discs that have a recordable CD for audio on one side and a recordable DVD for video on the other.
- Since the CD side of Dual Discs is not physically compatible with the general CD standard, it may not be possible to play the CD side with this unit.
- Frequent loading and ejecting of a Dual Disc may result in scratches on the disc. Serious scratches can lead to playback problems on this unit. In some cases, a Dual Disc may become stuck in the disc loading slot and will not eject. To prevent this, we recommend you refrain from using Dual Disc with this unit.
- Please refer to the information from the disc manufacturer for more detailed information about Dual Discs. 

### Compressed audio compatibility

#### WMA

- Compatible format: WMA encoded by Windows Media Player
- Bit rate: 48 kbps to 320 kbps (CBR), 48 kbps to 384 kbps (VBR)
- Sampling frequency: 32 kHz, 44.1 kHz, 48 kHz
- Windows Media Audio 9 Professional, Lossless, Voice: No

#### MP3


- Compatible format: MPEG-1, 2, 2.5 Audio Layer 3
- Bit rate: 8 kbps to 320 kbps (CBR), VBR

- Sampling frequency: 8 kHz to 48 kHz (32, 44.1, 48 kHz for emphasis)
- Compatible ID3 tag version: 1.0, 1.1, 2.2, 2.3, 2.4 (ID3 tag Version 2.x is given priority than Version 1.x.)
- M3u playlist: No
- MP3i (MP3 interactive), mp3 PRO: No

#### AAC

- Compatible format: AAC encoded by iTunes
- Sampling frequency: 11.025 kHz to 48 kHz
- Transmission rate: 16 kbps to 320 kbps
- AAC file bought on the iTunes Store (.m4p file extension): No
- Apple Lossless: No

#### WAV

- Compatible format: Linear PCM (LPCM), MS ADPCM
- Quantization bits: 8 and 16 (LPCM), 4 (MS ADPCM)
- Sampling frequency: 16 kHz to 48 kHz (LPCM), 22.05 kHz to 44.1 kHz (MS ADPCM) 

### USB audio player/USB memory

#### USB audio player/USB memory compatibility

- USB version: 2.0, 1.1 and 1.0
- USB data transfer rate: full speed
- USB Class: MSC (Mass Storage Class) device
- Protocol: bulk
- Minimum amount of memory: 250 MB
- Maximum amount of memory: 250 GB
- File system: FAT32 and FAT16
- Supply current: 500 mA



#### Notes

- Partitioned USB memory is not compatible with this unit.

## Additional Information

- Depending on the kind of USB portable audio player/USB memory you use, this unit may not recognize the USB audio player/USB memory or audio files may not be played back properly.
- This unit can play back files in the USB portable audio player/USB memory that is USB Mass Storage Class. However, copyright protected files that are stored in above-mentioned USB devices cannot be played back. (If the iPod is connected to this unit, file playback condition depends on the iPod specifications.)
- You cannot connect a USB portable audio player/USB memory to this unit via a USB hub.

### Handling guideline and supplemental information

- Do not leave the USB portable audio player/USB memory in direct sunlight for extended amounts of time. Extended exposure to direct sunlight can result in USB portable audio player/USB memory malfunction due to the resulting high temperature.
- Do not leave the USB portable audio player/USB memory in high temperature.
- Firmly secure the USB portable audio player/USB memory when driving. Do not let the USB portable audio player/USB memory fall onto the floor, where it may become jammed under the brake or accelerator pedal.
- There may be a slight delay when starting playback of audio files encoded with image data.
- Depending on the USB devices connected to this unit, it may generate noise in the radio.
- Only 32 characters from the beginning can be displayed as a file name (including the extension) or a folder name when USB portable audio player/USB memory is selected as a source.

- The text information of some audio files may not be correctly displayed.
- File extensions must be used properly.
- Up to 15 000 files on a USB portable audio player/USB memory can be played back.
- Up to 500 folders on a USB portable audio player/USB memory can be played back.
- Up to eight tiers directory on a USB portable audio player/USB memory can be played back.
- There may be a slight delay when starting playback of audio files on a USB portable audio player/USB memory with numerous folder hierarchies.
- Do not connect anything other than the USB portable audio player/USB memory.
- Operations may vary depending on the kind of USB audio player and a USB memory.

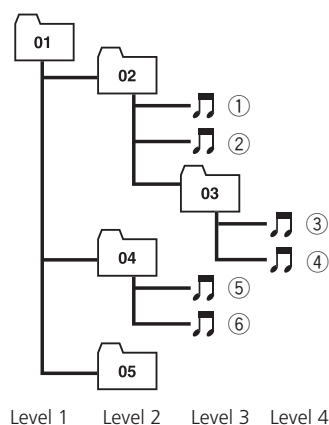
### The sequence of audio files on USB memory

For USB portable audio players, the sequence is different from that of USB memory and depends on the player.

#### Example of a hierarchy

📁: Folder

🎵: Compressed audio file



## Additional Information

- 01 to 05 represent assigned folder numbers. ① to ⑥ represent the playback sequence. The user cannot assign folder numbers and specify the playback sequence with this unit.
- Playback sequence of the audio file is the same as recorded sequence in the USB device.
- To specify the playback sequence, the following method is recommended.
  - 1 Create the file name including numbers that specify the playback sequence (e.g., 001xxx.mp3 and 099yyy.mp3).
  - 2 Put those files into a folder.
  - 3 Record the folder containing files into the USB device.

However, depending on the system environment, you cannot specify the file playback sequence.

### iPod

#### About handling the iPod

- Do not leave the iPod in direct sunlight for extended amounts of time. Extended exposure to direct sunlight can result in iPod malfunction due to the resulting high temperature.
- Do not leave the iPod in a high temperature.
- Connect directly the dock connector cable to the iPod so that this unit works properly.
- Firmly secure the iPod when driving. Do not let the iPod fall onto the floor, where it may become jammed under the brake or accelerator pedal.
- For details, refer to the iPod's manuals.

#### About iPod settings

- You cannot operate the iPod Equalizer on Pioneer products. We recommend that you set the iPod Equalizer to off, before connecting to this unit.

- You cannot set Repeat to off on the iPod when using this unit. Even if you set Repeat to off on the iPod, Repeat is automatically changed to All when connecting the iPod to this unit.

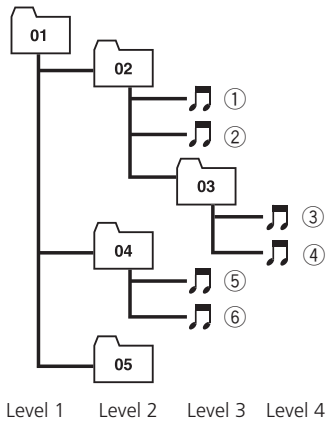
### Compressed audio files on the disc

- Depending on the version of Windows Media™ Player used to encode WMA files, album names and other text information may not be correctly displayed.
- There may be a slight delay when starting playback of WMA/AAC files encoded with image data.
- ISO 9660 Level 1 and 2 compliant. Romeo and Joliet file systems are both compatible with this player.
- Multi-session playback is possible.
- Compressed audio files are not compatible with packet write data transfer.
- Only 32 characters from the beginning can be displayed as a file name (including the extension such as .wma, .mp3, .m4a or .wav) or a folder name.
- Folder selection sequence or other operation may be altered depending on the encoding or writing software.
- Regardless of the length of blank section between the songs of original recording, compressed audio discs play with a short pause between songs.
- File extensions such as .wma, .mp3, .m4a or .wav must be used properly.

### Example of a hierarchy

📁: Folder

🎵: Compressed audio file



- This unit assigns folder numbers. The user cannot assign folder numbers.
- Folder hierarchy is allowed up to eight tiers. However, a practical hierarchy of folder is less than two tiers.
- Up to 99 folders on a disc can be played back.

## Additional Information

### Specifications

#### General

Rated power source	14.4 V DC (allowable voltage range: 12.0 V to 14.4 V DC)
Grounding system	Negative type
Max. current consumption	10.0 A
Dimensions (W × H × D):	
DIN	
Chassis	178 mm × 50 mm × 162 mm
Nose	188 mm × 58 mm × 24 mm
D	
Chassis	178 mm × 50 mm × 162 mm
Nose	170 mm × 46 mm × 24 mm
Weight	1.3 kg

#### Audio

Maximum power output	50 W × 4 50 W × 2/4 Ω + 70 W × 1/2 Ω (for subwoofer)
Continuous power output	22 W × 4 (50 Hz to 15 000 Hz, 5% THD, 4 Ω load, both channels driven)
Load impedance	4 Ω to 8 Ω × 4 4 Ω to 8 Ω × 2 + 2 Ω × 1
Preout max output level	4 V
Equalizer (3-Band Parametric Equalizer):	
Low	
Frequency	40/80/100/160 Hz
Q Factor	0.35/0.59/0.95/1.15 (+6 dB when boosted)
Gain	±12 dB
Mid	
Frequency	200/500/1k/2k Hz
Q Factor	0.35/0.59/0.95/1.15 (+6 dB when boosted)
Gain	±12 dB
High	
Frequency	3.15k/8k/10k/12.5k Hz
Q Factor	0.35/0.59/0.95/1.15 (+6 dB when boosted)
Gain	±12 dB
HPF:	
Frequency	50/63/80/100/125 Hz
Slope	-12 dB/oct
Subwoofer (mono):	
Frequency	50/63/80/100/125 Hz
Slope	-18 dB/oct
Gain	+6 dB to -24 dB
Phase	Normal/Reverse
Bass boost:	
Gain	+12 dB to 0 dB

#### CD player

System	Compact disc audio system
Usable discs	Compact disc
Signal-to-noise ratio	94 dB (1 kHz) (IEC-A network)
Number of channels	2 (stereo)
MP3 decoding format	MPEG-1 & 2 Audio Layer 3
WMA decoding format	Ver. 7, 7.1, 8, 9, 10, 11 (2ch audio) (Windows Media Player)
AAC decoding format	MPEG-4 AAC (iTunes encoded only) (.m4a) (Ver. 7.7 and earlier)
WAV signal format	Linear PCM & MS ADPCM

#### USB

Specification	USB 2.0 full speed
Supply current	500 mA
Maximum amount of memory	250 GB
File system	FAT16, FAT32
MP3 decoding format	MPEG-1 & 2 Audio Layer 3
WMA decoding format	Ver. 7, 7.1, 8, 9, 10, 11 (2ch audio) (Windows Media Player)
AAC decoding format	MPEG-4 AAC (iTunes encoded only) (.m4a) (Ver. 7.7 and earlier)
WAV signal format	Linear PCM & MS ADPCM

#### FM tuner

Frequency range	87.5 MHz to 108.0 MHz
Usable sensitivity	8 dBf (0.7 μV/75 Ω mono, S/N: 30 dB)
Signal-to-noise ratio	75 dB (IEC-A network)

#### AM tuner

Frequency range	531 kHz to 1 602 kHz (9 kHz) 530 kHz to 1 640 kHz (10 kHz)
Usable sensitivity	18 μV (S/N: 20 dB)
Signal-to-noise ratio	65 dB (IEC-A network)

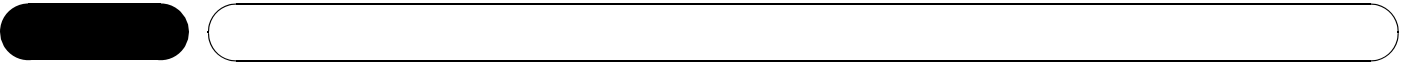
#### Infrared remote control

Wavelength	940 nm ±50 nm
Output	typ: 12 mw/sr per Infrared LED



#### Note

Specifications and the design are subject to modifications without notice due to improvements. ■





English

En

55