

# Pioneer

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CD RECEIVER

RADIO CD

CD PLAYER

جهاز استقبال مع مشغل اسطوانات CD

## DEH-2100IB

English

Español

Português (B)

العربية

Owner's Manual  
Manual de instrucciones  
Manual do proprietário  
كتيب المالك

**SUPER TUNER III D**

## 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.*

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## 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.
- Should this unit fail to operate properly, please contact your dealer or nearest authorized PIONEER Service Station. □

## 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 fourth generation (software version 3.1.1)
  - iPod photo (software version 1.2.1)
  - iPod fifth generation (software version 1.3.0)
  - iPod mini (software version 1.4.1)
  - iPod nano first generation (software version 1.3.1)
  - iPod nano second generation (software version 1.1.3)
  - iPod nano third generation (software version 1.1.3)
  - iPod classic (software version 1.1.2)
  - iPod touch (software version 1.1.4)

- Operations may vary depending on the software version of iPod.
- When using an iPod, Interface Cable for iPod (e.g., CD-1150) is required.

### ⚠ CAUTION

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

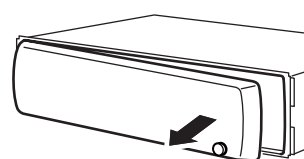
The front panel can be detached to deter theft.

### 📌 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.
- Before detaching, be sure to remove the AUX cable from the front panel. Otherwise, this unit, connected device or vehicle interior may be damaged.

## Removing the front panel

- 1 Press  (detach) to release the front panel.
- 2 Grab the front panel and remove.



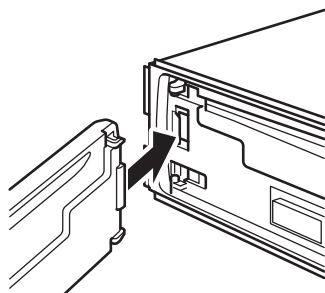
- 3 Put the front panel into the provided protective case for safe keeping.

## Before You Start

### Attaching the front panel

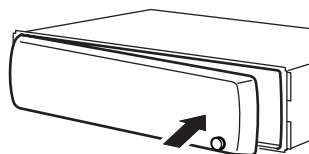
#### 1 Slide the front panel to the left until it clicks.

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.

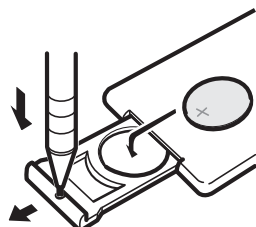
▪ If you can't attach the front panel to the head unit successfully, try again. Front panel may be damaged if you attach the front panel forcedly.



## 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.



### ! 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.

### Using the remote control

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

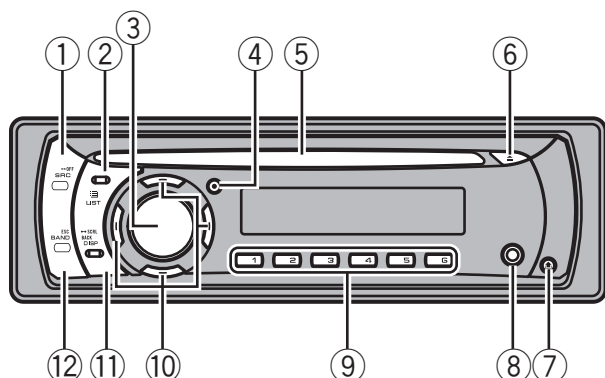
- The remote control may not function properly in direct sunlight.

### 📌 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. 

## What's what

### Head unit



#### ① SRC/OFF button

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

#### ② /LIST button

Press to display the disc title list, track title list, folder list or file list. Press and hold to turn the link play on.

#### ③ MULTI-CONTROL

Turn to increase or decrease the volume. Also used for controlling functions.

#### ④ CLOCK button

Press to change to the clock display.

#### ⑤ Disc loading slot

Insert a disc to play.

#### 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 1 to 6 buttons













Press for preset tuning. Also used for controlling functions.

- **1/PLAYLIST** can be used to select playlist.

- **2/ARTIST** can be used to select artist list.
- **3/ALBUM** can be used to select album list.
- **4/iPod** can be used to control **CTRL** (control mode).
- **5/** can be used to control **RANDOM** (random).  
**5/** can also be used to control **SHUFFLEALL** (shuffle all).
- **6/** can be used to control **REPEAT** (repeat).

#### ⑩ buttons

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

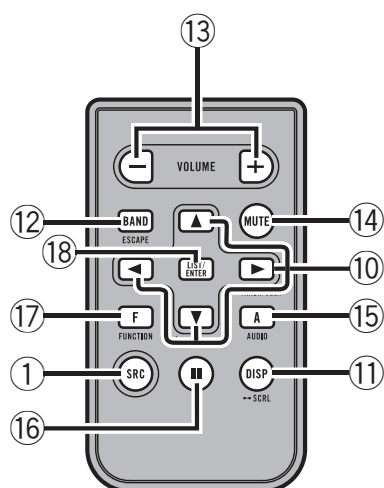
- When operating menus
  - Pressing  is the same function as turning **MULTI-CONTROL** right.
  - Pressing  is the same function as turning **MULTI-CONTROL** left.
  - Pressing  is the same function as pressing **DISP/BACK/SCRL**.
  - Pressing and holding  is the same function as pressing and holding **DISP/BACK/SCRL**.
  - Pressing  is the same function as pressing **MULTI-CONTROL**.
  - Pressing and holding  is the same function as pressing and holding **MULTI-CONTROL**.
- When operating lists
  - Pressing  is the same function as turning **MULTI-CONTROL** left.
  - Pressing  is the same function as turning **MULTI-CONTROL** right.
  - Pressing  is the same function as pressing **DISP/BACK/SCRL**.
  - Pressing and holding  is the same function as pressing and holding **DISP/BACK/SCRL**.
  - Pressing  is the same function as pressing **MULTI-CONTROL**.
  - Pressing and holding  is the same function as pressing and holding **MULTI-CONTROL**.

## Operating this unit

- ⑪ **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.  
Press and hold to return to the main menu when operating the menu.
- ⑫ **BAND/ESC 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.

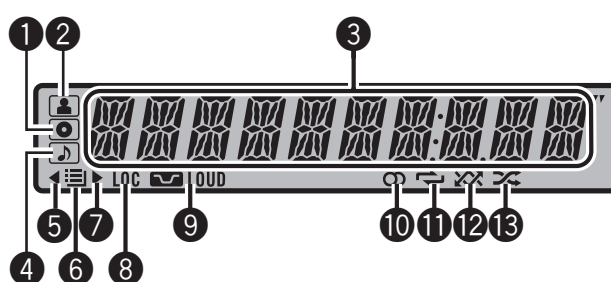


- ⑬ **VOLUME buttons**  
Press to increase or decrease the volume.
- ⑭ **MUTE button**  
Press to turn off the sound. To turn on the sound, press again.
- ⑮ **AUDIO button**  
Press to select an audio function.
- ⑯ **II button**  
Press to turn pause on or off.
- ⑰ **FUNCTION button**  
Press to select functions.

Press and hold to recall the initial setting menu when the sources are off.








- ⑱ **LIST/ENTER button**  
Press to display the disc title list, track title list, folder list or file list depending on the source.  
While in the operating menu, press to control functions.

### Display indication



- ① **(disc) indicator**  
Appears when the disc (album) name is displayed on the main display section.
- ② **(artist) indicator**  
Appears when the disc (track) artist name is displayed on the main display section.
- ③ **Main display section**  
Displays band, frequency, elapsed playback time and other settings.
  - Tuner  
Band and frequency are displayed.
  - Built-in CD player and iPod  
Elapsed playback time and literal information are displayed.
- ④ **(song) indicator**  
Appears when the track (song) name is displayed on the main display section.  
Also, appears when a playable audio file is selected while operating the list.
- ⑤ **◀ indicator**  
Appears when an upper tier of folder or menu exists.

## Operating this unit

- ⑥  (folder) indicator  
Appears when operating list function.
- ⑦  indicator  
Appears when a lower tier of folder or menu exists.
- ⑧ **LOC indicator**  
Appears when local seek tuning is on.
- ⑨  **LOUD (loudness) indicator**  
Appears when loudness is on.
- ⑩  (stereo) indicator  
Appears when the selected frequency is being broadcast in stereo.
- ⑪  (repeat) indicator  
Shows when track repeat is turned on.  
Also, shows when folder repeat is on.
- ⑫  (random) indicator  
Shows when random play is on.
- ⑬  (shuffle) indicator  
Appears when shuffle function is on.

## Basic Operations

### Power ON/OFF

#### Turning the unit on

- Press **SRC/OFF** to turn the unit on.

#### Turning the unit off

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

### Selecting a source

You can select a source you want to listen to.

- Press **SRC/OFF** repeatedly to switch between the following sources.

**TUNER** (tuner)—**CD** (built-in CD player)—**IPOD** (iPod)—**AUX** (AUX)

### Notes

- In the following cases, the sound source will not change.
  - When there is no disc in the unit.
  - When the iPod is not connected to this unit.
  - When AUX (auxiliary input) is set to off (refer to page 18).
- AUX is set to on by default. Turn off the AUX when not in use (refer to *Switching the auxiliary setting* on page 18).
- 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.
- 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

- **Select a band**  
Press **BAND/ESC**.
  - Press **BAND/ESC** until the desired band (**F1**, **F2**, **F3** for FM or **AM**) is displayed.
- **Manual tuning (step by step)**  
Press ◀ or ▶.
- **Seek tuning**  
Press and hold ◀ or ▶, and then release.
  - You can cancel seek tuning by briefly pressing ◀ or ▶.
  - While pressing and holding ◀ or ▶, you can skip stations. Seek tuning starts as soon as you release ◀ or ▶.



## Operating this unit

### 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.

● **When you find a frequency that you want to store in memory, press one of preset tuning buttons 1 to 6 and hold until the preset number stops flashing.**

Memorized radio station frequency can be recalled by pressing the preset tuning button.

- You can also recall radio station frequencies assigned to preset tuning numbers by pressing ▲ or ▼ during the frequency 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

- To return to the previous display, press **DISP/BACK/SCRL**.
- To return to the main menu, press and hold **DISP/BACK/SCRL**.
- To return to the ordinary display, press **BAND/ESC**.
- If you do not operate functions within about 30 seconds, the display automatically returns to the ordinary display.

### Storing the strongest broadcast frequencies

BSM (best stations memory) automatically stores the six strongest broadcast frequencies in the order of their signal strength.

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

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

- 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.

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

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


**3 Turn MULTI-CONTROL 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.

**4 Press MULTI-CONTROL to determine the selection.**

- Even if the menu has been cancelled before determination, operation is settled. 

## Built-in CD Player

### Basic Operations

● **Insert a CD (CD-ROM) into the disc loading slot.**

Playback will automatically start.

## Operating this unit

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

- **Eject a CD (CD-ROM)**

Press ▲ (eject).

- **Select a folder**

Press ▲ or ▼.

- **Select a track**

Press ◀ or ▶.

- **Fast forward or reverse**

Press and hold ◀ or ▶.

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

- **Return to root folder**

Press and hold **BAND/ESC**.

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

Press **BAND/ESC**.

- 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 24)
- Read the precautions for discs and player on page 23.
- A disc has already been inserted, press **SRC/OFF** 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, **FRMT READ** is displayed.
- If an error message is displayed, refer to *Error messages* on page 23.
- 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/BACK/SCRL** to select the desired text information.

### For CD TEXT discs

Play time—**DISC TITLE** (disc title)—

**ARTISTNAME** (disc artist name)—

**TRACKTITLE** (track title)—**ARTISTNAME** (track artist name)

### For WMA/MP3

Play time—**FLD NAME** (folder name)—

**FILE NAME** (file name)—**TRACKTITLE** (track title)—

**ARTISTNAME** (artist name)—

**ALBUMTITLE** (album title)—**COMMENT**

(comment)—bit rate—folder and track numbers

### For WAV

Play time—**FLD NAME** (folder name)—

**FILE NAME** (file name)—sampling frequency

—folder and track numbers



### Notes

- You can scroll to the left of the title by pressing and holding **DISP/BACK/SCRL**.
- Audio CD that contains certain information such as text and/or number is CD TEXT.
- If the characters recorded on the audio file are not compatible with this unit, those characters will not be displayed.
- If specific information is not recorded on a disc, **NO XXXX** will be displayed (e.g., **NO TITLE**).
- The text information of some audio files may not be correctly displayed.
- Depending on the version of iTunes used to write MP3 files onto a disc, comment information may not be correctly displayed.
- 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.

## Operating this unit

- 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.





### 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 pressing  or .
- You can also play the track by pressing .
- To return to the ordinary display, press **BAND/ESC** 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 pressing .
- You can also play a song in the selected folder by pressing and holding .
- To return to the previous list (the folder one level higher), press **DISP/BACK/SCRL**.
- To return to the top tier of list, press and hold **DISP/BACK/SCRL**.
- To return to the ordinary display, press **BAND/ESC** 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.**

**REPEAT** (repeat play)—**RANDOM** (random play)—**SCAN** (scan play)—**PAUSE** (pause)—**COMP/BMX** (compression and BMX)



#### Notes

- To return to the previous display, press **DISP/BACK/SCRL**.
- To return to the main menu, press and hold **DISP/BACK/SCRL**.
- To return to the ordinary display, press **BAND/ESC**.
- If you do not operate functions within about 30 seconds, the display automatically returns to the ordinary display.

### Selecting a repeat play range

● Press **6/** repeatedly to select the desired setting.

- **DISC** – Repeat all tracks

## Operating this unit

- **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.
  - 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 5/🔀 to turn random play on.**  
Tracks play in a random order.
  - To turn random play off, press 5/🔀 again.
  - You can also perform this operation 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.

### Pausing playback

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

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

Playback of the current track pauses.

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

### Using compression and BMX

Using the COMP (compression) and BMX functions let you adjust the sound playback quality of this unit.

- 1 Use MULTI-CONTROL to select COMP/BMX in the function menu.**
- 2 Press MULTI-CONTROL to display the setting mode.**
- 3 Turn MULTI-CONTROL to select the desired setting.**  
**OFF—COMP 1—COMP 2—OFF—BMX 1—BMX 2**
- 4 Press MULTI-CONTROL to determine the selection.**
  - Even if the menu has been cancelled before determination, operation is settled.

### Playing songs on iPod

*For details about the supported iPod, refer to iPod compatibility on page 4.*

### Basic Operations

- **Select a track (chapter)**  
Press ◀ or ▶.
- **Fast forward or reverse**  
Press and hold ◀ or ▶.



#### Notes

- Read the precautions for iPod on page 25.
- While iPod is connected to this unit, **PIONEER** (or ✓ (check mark)) is displayed on the iPod.
- If an error message is displayed, refer to *Error messages* on page 23.

## Operating this unit

- 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.
- When iPod is connected to this unit, this unit's equalizer setting can be used instead of the equalizer setting of iPod.
- The iPod is turned off after a certain period of time when the ignition switch is set to OFF.
- When removing the iPod from this unit, this unit is turned off.

### Displaying text information on iPod

- **Press DISP/BACK/SCRL to select the desired text information.**

Play time—**SONG TITLE** (song title)—

**ARTISTNAME** (artist name)—**ALBUMTITLE**

(album title)—number of songs

- If the characters recorded on the iPod are not compatible with this unit, those characters are not displayed.
- You can scroll the text information to the left by pressing and holding **DISP/BACK/SCRL**.

### 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.

- 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 display **PLAYLISTS** (playlist) by pressing **1/PLAYLIST** on the ordinary display.
- You can display **ARTISTS** (artists) by pressing **2/ARTIST** on the ordinary display.
- You can display **ALBUMS** (albums) by pressing **3/ALBUM** on the ordinary display.
- You can start playback throughout the selected category by pressing and holding **MULTI-CONTROL**.
  - To return to the previous category (one level higher), press **DISP/BACK/SCRL**.
  - To return to the top tier of categories, press and hold **DISP/BACK/SCRL**.

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

- To return to the ordinary display, press

**BAND/ESC** 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.**

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

**SHUFFLEALL** (shuffle all)—**LINK PLAY** (link

play)—**CTRL** (control mode)—**PAUSE** (pause)

—**AUDIO BOOK** (audiobook speed)

## Operating this unit

### Function and operation

**REPEAT** and **PAUSE** operation is basically the same as that of the built-in CD player.

Function name	Operation
<b>REPEAT</b>	<p>Refer to <i>Selecting a repeat play range</i> on page 11.</p> <p>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:</p> <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>	<p>Refer to <i>Pausing playback</i> on page 12.</p>



#### Notes

- To return to the previous display, press **DISP/BACK/SCRL**.
- To return to the main menu, press and hold **DISP/BACK/SCRL**.
- To return to the ordinary display, press **BAND/ESC**.
- If you do not operate functions within about 30 seconds, the display automatically returns to the ordinary display.
- When **CTRL** is set to **IPOD**, only **CTRL** 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 Turn MULTI-CONTROL 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.

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

● **Press 5/🔀 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.
- You can also perform this operation in the menu that appears by using **MULTI-CONTROL**.

### Playing songs of currently playing artist

Song from the currently selected artist's album is played back. You can select an album or song from the artist name.

● **Press and hold 3/LIST to turn link play on.**

Plays songs of the artist.

- You can also perform this operation in the menu that appears by using **MULTI-CONTROL**.
- If the related albums/songs are not found, **NOT FOUND** is displayed.

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

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.

**1 Press 4/iPod to switch the control mode.**

- Each pressing **4/iPod** switches the control mode.
- While using this function, play time and titles are not displayed on this unit.
- Even if this function is performed, track up/down and fast forward/reverse can be operated from this unit.
- While using this function, browse function cannot be operated from this unit.
- You can also perform this operation in the menu that appears by using **MULTI-CONTROL**.

## Operating this unit

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

- When this function is set to **IPOD**, operations are limited as follows:
  - Functions other than **CTRL** (control mode) cannot be selected.
  - The volume can only be controlled from this unit.
- Switching this function to **IPOD** pauses song playback. Operate the iPod to start playback.

### Changing audiobook speed

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


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

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

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

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

#### 4 Press **MULTI-CONTROL** to determine the selection.

- Even if the menu has been cancelled before determination, operation is settled. 

## 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.

**FAD/BAL** (balance adjustment)—**EQUALIZER** (equalizer recall)—**TONE CTRL** (equalizer adjustment)—**LOUDNESS** (loudness)—**SLA** (source level adjustment)



#### Notes

- To return to the previous display, press **DISP/BACK/SCRL**.
- To return to the main menu, press and hold **DISP/BACK/SCRL**.
- To return to the ordinary display, press **BAND/ESC**.
- When selecting FM as the source, you cannot switch to **SLA**.
- 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 **FAD/BAL** 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 **F15** and **R15**.

Left/right speaker balance can be adjusted between **L15** and **R15**.

- **FR 0** is the proper setting when only two speakers are used.



## Operating this unit

### Using the equalizer

There are six stored equalizer settings such as **DYNAMIC**, **VOCAL**, **NATURAL**, **CUSTOM**, **FLAT** and **POWERFUL** that can easily be recalled at any time.

- **CUSTOM** is an adjusted equalizer curve that you create.
- When **FLAT** is selected no supplement or correction is made to the sound.

### Recalling equalizer curves

- 1 Use **MULTI-CONTROL** to select **EQUALIZER** in the audio function menu.
- 2 Press **MULTI-CONTROL** to display the setting mode.
- 3 Turn **MULTI-CONTROL** to select the equalizer.  
**DYNAMIC**—**VOCAL**—**NATURAL**—**CUSTOM**  
—**FLAT**—**POWERFUL**
- 4 Press **MULTI-CONTROL** to determine the selection.
  - Even if the menu has been cancelled before determination, operation is settled.

### Adjusting equalizer curves

You can adjust the currently selected equalizer curve setting as desired. Adjusted equalizer curve settings are memorized in **CUSTOM**.

### Adjusting bass/mid/treble

You can adjust the bass/mid/treble level.

- 1 Use **MULTI-CONTROL** to select **TONE CTRL** in the audio function menu.
- 2 Press **MULTI-CONTROL** to display the setting mode.
- 3 Press **MULTI-CONTROL** to select **BASS/MID/TREBLE**.

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

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

- 5 Press **MULTI-CONTROL** to determine the selection.

- Even if the menu has been cancelled before determination, operation is settled.

### 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 Turn **MULTI-CONTROL** to select the desired setting.  
**LOW** (low)—**HIGH** (high)—**OFF** (off)
- 4 Press **MULTI-CONTROL** to determine the selection.
  - Even if the menu has been cancelled before determination, operation is settled.

### Adjusting source levels

Source level adjustment (**SLA**) lets you adjust the volume level of each source to prevent radical changes in volume when switching between sources.


- Settings are based on the FM volume level, which remains unchanged.
- The AM volume level can also be adjusted with source level adjustments.

- 1 Compare the FM volume level with the level of the source you wish to adjust.
- 2 Use **MULTI-CONTROL** to select **SLA** in the audio function menu.
- 3 Press **MULTI-CONTROL** to display the setting mode.



## Operating this unit

**4 Turn MULTI-CONTROL to adjust the source volume.**  
+4 to -4 is displayed as the source volume is increased or decreased.

**5 Press MULTI-CONTROL to determine the selection.**  
▪ Even if the menu has been cancelled before determination, operation is settled. 

## Initial Settings

### Adjusting initial settings

**1 Press SRC/OFF 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)—**AUX** (auxiliary input)

- To return to the previous display, press **DISP/BACK/SCRL**.
- To return to the main menu, press and hold **DISP/BACK/SCRL**.
- To cancel initial settings, press **BAND/ESC**.

### Setting the clock

Use these instructions to set the clock.

**1 Use MULTI-CONTROL to select CLOCK SET in the initial setting menu.**  
Refer to *Adjusting initial settings* on this page.

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

**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.**

### 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.
- The tuning step remains at 50 kHz during manual tuning.

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

Refer to *Adjusting initial settings* on this page.

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

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

**50 KHZ** (50 kHz)—**100 KHZ** (100 kHz)

**4 Press MULTI-CONTROL to determine the selection.**

- Even if the menu has been cancelled before determination, operation is settled.

### 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.**

Refer to *Adjusting initial settings* on this page.

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

## Operating this unit

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


**10 KHZ** (10 kHz)—**9 KHZ** (9 kHz)

**4 Press MULTI-CONTROL to determine the selection.**

- Even if the menu has been cancelled before determination, operation is settled.

- **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. 


### Switching the auxiliary setting

It is possible to use auxiliary device with this unit. Activate the auxiliary setting when using auxiliary device connected to this unit.

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

Refer to *Adjusting initial settings* on the previous page.

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

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

## Other Functions

### Using the AUX source

You can connect an auxiliary device to this unit using a stereo mini plug cable.

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

### Selecting AUX as the source

- **Press SRC/OFF 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 this page.

### 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.

## Connections

### Important

- When this unit is installed in a vehicle without ACC (accessory) position on the ignition switch, red cable must be wired to the terminal that can detect the operation of the ignition key. Otherwise, battery drain may result.



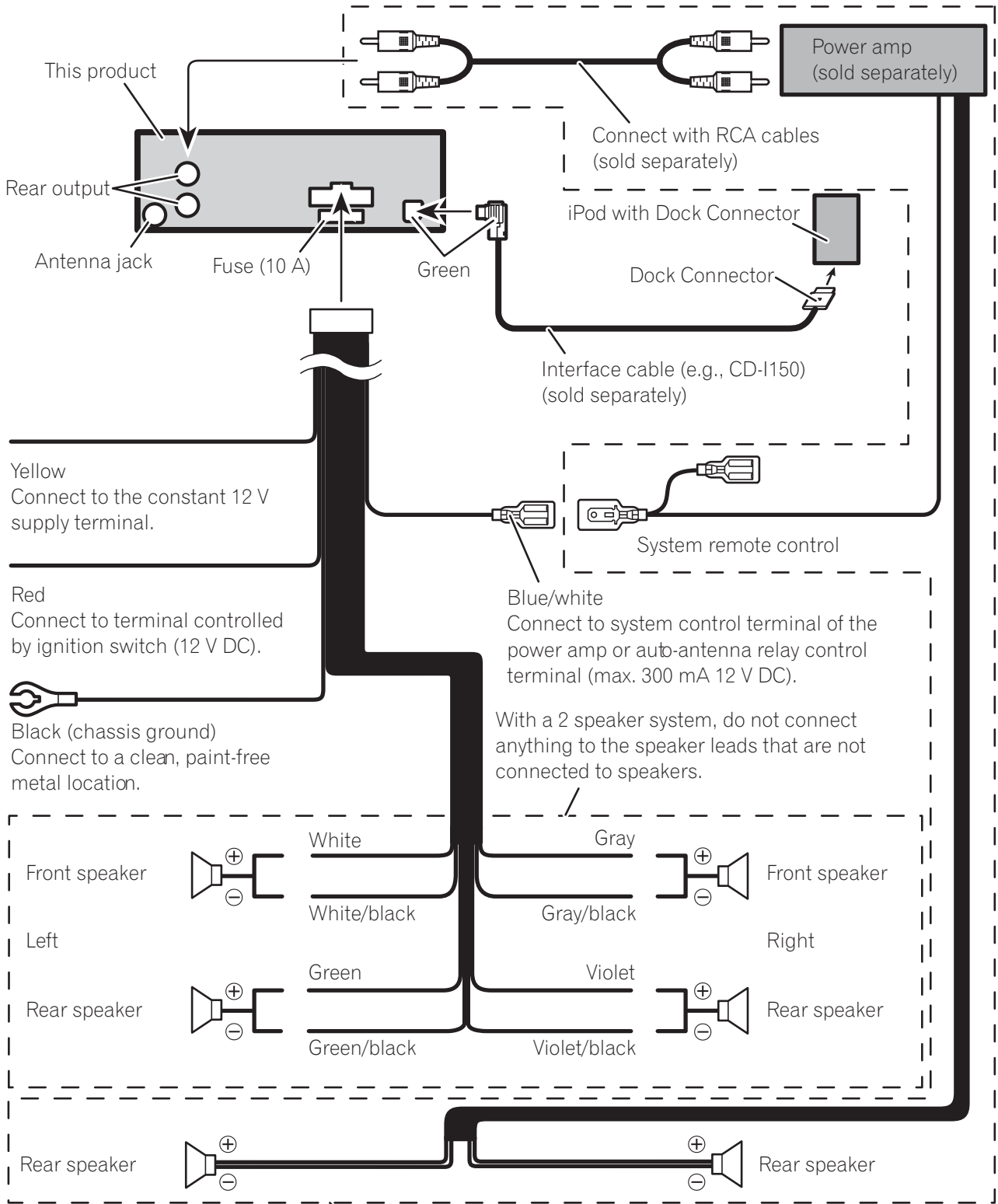
ACC position



No ACC position

- Use of this unit in conditions other than the following could result in fire or malfunction.
  - Vehicles with a 12-volt battery and negative grounding.
  - Speakers with 50 W (output value) and 4 ohm to 8 ohm (impedance value).
- To prevent a short-circuit, overheating or malfunction, be sure to follow the directions below.
  - Disconnect the negative terminal of the battery before installation.
  - Secure the wiring with cable clamps or adhesive tape. To protect the wiring, wrap adhesive tape around them where they lie against metal parts.
  - Place all cables away from moving parts, such as gear shift and seat rails.
  - Place all cables away from hot places, such as near the heater outlet.
  - Do not pass the yellow cable through a hole into the engine compartment to connect to a battery.
  - Cover any disconnected cable connectors with insulating tape.
  - Do not shorten any cables.
  - Never cut the insulation of the power cable of this unit in order to share the power with other devices. Current capacity of the cable is limited.
  - Use a fuse of the rating prescribed.
  - Never wire the speaker negative cable directly to ground.
  - Never band together multiple speaker's negative cables.
- Control signal is output through blue/white cable when this unit is powered on. Connect it to an external power amp's system remote control or the vehicle's auto-antenna relay control terminal (max. 300 mA 12 V DC). If the vehicle is equipped with a glass antenna, connect it to the antenna booster power supply terminal.
- Never connect blue/white cable to external power amp's power terminal. Also, never connect it to the power terminal of the auto antenna. Otherwise, battery drain or malfunction may result.
- Black cable is ground. This cable and other product's ground cable (especially, high-current products such as power amp) must be wired separately. Otherwise, fire or malfunction may result if they are accidentally detached.

### Connection diagram



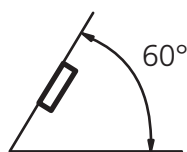
Perform these connections when using the optional amplifier.



# Installation

## Important

- Check all connections and systems before final installation.
- Do not use unauthorized parts. Use of unauthorized parts may cause malfunctions.
- Consult your dealer if installation requires drilling of holes or other modifications to the vehicle.
- Do not install this unit where :
  - it may interfere with operation of the vehicle.
  - it may cause injury to a passenger as a result of a sudden stop.
- The semiconductor laser will be damaged if it overheats. Install this unit away from hot places such as near the heater outlet.
- Optimum performance is obtained when the unit is installed at an angle of less than 60°.



- When installing, to ensure proper heat dispersal when using this unit, make sure you leave ample space behind the rear panel and wrap any loose cables so they are not blocking the vents.

## DIN front/rear mount

This unit can be properly installed either from “Front” (conventional DIN front-mount) or “Rear” (DIN rear-mount installation, utilizing threaded screw holes at the sides of unit chassis). For details, refer to the following installation methods.

### DIN Front-mount

#### Installation with the rubber bush

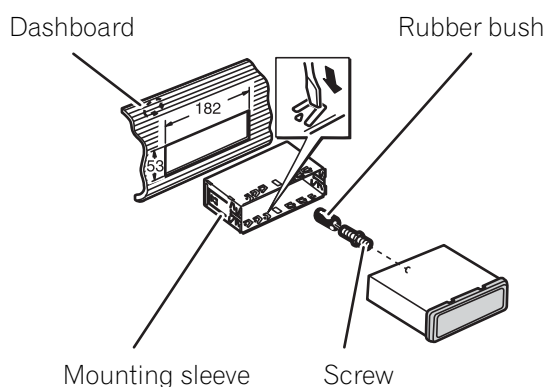
##### 1 Insert the mounting sleeve into the dashboard.

When installing in a shallow space, use a supplied mounting sleeve. If there is enough

space behind the unit, use factory supplied mounting sleeve.

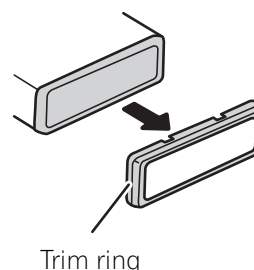
##### 2 Secure the mounting sleeve by using a screwdriver to bend the metal tabs (90°) into place.

##### 3 Install the unit.



## Removing the unit

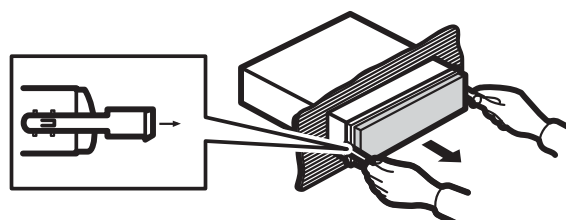
##### 1 Extend top and bottom of the trim ring outwards to remove the trim ring. (When reattaching the trim ring, point the side with a groove downwards and attach it.)



- It becomes easy to remove the trim ring if the front panel is released.

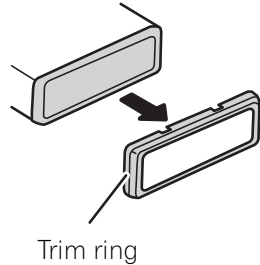
##### 2 Insert the supplied extraction keys into both sides of the unit until they click into place.

##### 3 Pull the unit out of the dashboard.



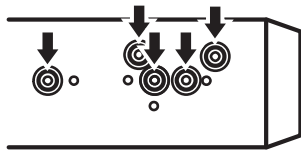
## DIN Rear-mount

**1 Extend top and bottom of the trim ring outwards to remove the trim ring. (When reattaching the trim ring, point the side with a groove downwards and attach it.)**

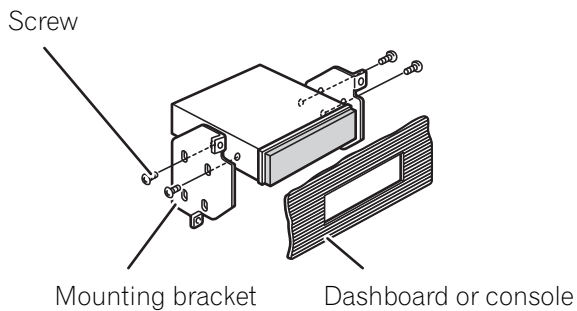


- It becomes easy to remove the trim ring if the front panel is released.

**2 Determine the appropriate position where the holes on the bracket and the side of the unit match.**



**3 Tighten two screws on each side.**



- Use either truss screws (5 mm × 8 mm) or flush surface screws (5 mm × 9 mm), depending on the shape of screw holes in the bracket. ■

## 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.
	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>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.

#### iPod

Message	Cause	Action
<b>ERROR-11</b>	Communication failure	Disconnect the cable from iPod. Once iPod main menu is displayed, connect the cable again. Reset the iPod.
<b>ERROR-21</b>	Old version of iPod	Update the iPod version.
<b>ERROR-30</b>	iPod failure	Reset the iPod.

<b>ERROR-A0</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>STOP</b>	No songs	Transfer the songs to iPod.
	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.

## Additional Information

- 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.
- 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
- File extension: .wma
- 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

- File extension: .mp3
- Bit rate: 8 kbps to 320 kbps (CBR), VBR
- Sampling frequency: 16 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

### WAV

- Compatible format: Linear PCM (LPCM), MS ADPCM
- File extension: .wav
- 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)

## Compressed audio files on the disc

- There may be a slight delay when starting playback of audio files encoded with image data.
- Only 32 characters from beginning can be displayed as a file name (including the file extension) or a folder name.
- The text information of some audio files may not be correctly displayed.



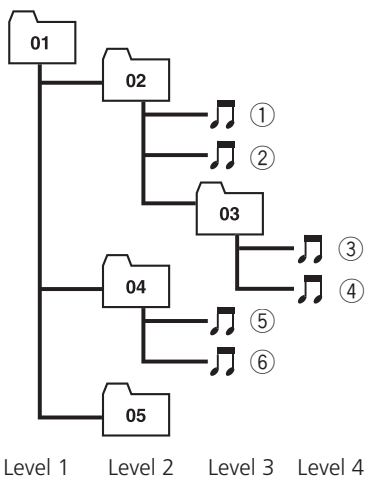
## Additional Information

- This unit may not operate correctly depending on the application used to encode WMA files.
- 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.
- Regardless of the length of blank section between the songs of original recording, compressed audio discs play with a short pause between songs.

### Example of a hierarchy

: Folder

: Compressed audio file



- This unit assigns folder numbers. The user cannot assign folder numbers.
- Folder selection sequence or other operation may be altered depending on the encoding or writing software.
- 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.

## 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.

## Copyright and trademark notice

### WMA



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

## Additional Information

### **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>.

### **iPod**

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

### **iTunes**

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

# 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 × 165 mm
Nose .....	188 mm × 58 mm × 15 mm
D	
Chassis .....	178 mm × 50 mm × 165 mm
Nose .....	170 mm × 48 mm × 15 mm
Weight .....	1.3 kg

### Audio

Maximum power output .....	50 W × 4
Continuous power output ...	22 W × 4 (50 Hz to 15 000 Hz, 5% THD, 4 Ω load, both channels driven)
Load impedance .....	4 Ω (4 Ω to 8 Ω allowable)
Preout max output level .....	2.0 V
Tone controls:	
Bass	
Frequency .....	100 Hz
Gain .....	±13dB
Mid	
Frequency .....	1 kHz
Gain .....	±12 dB
Treble	
Frequency .....	10 kHz
Gain .....	±12 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)
WAV signal format .....	Linear PCM & MS ADPCM (Non-compressed)

### FM tuner

Frequency range .....	87.5 MHz to 108.0 MHz
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Usable sensitivity .....	11 dBf (0.7 μV/75 Ω, mono, S/N: 30 dB)
Signal-to-noise ratio .....	72 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 .....	25 μV (S/N: 20 dB)
Signal-to-noise ratio .....	62 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. ■