

# Pioneer

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## Operation Manual

CD RDS RECEIVER

# DEH-X9600BT DEH-X8600BT



Made for



iPod



iPhone



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*English*

## **Thank you for purchasing this PIONEER product.**

To ensure proper use, please read through this manual before using this product. It is especially important that you read and observe **WARNING**s and **CAUTION**s in this manual. *Please keep the manual in a safe and accessible place for future reference.*

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## Before you start



If you want to dispose this product, do not mix it with general household waste. There is a separate collection system for used electronic products in accordance with legislation that requires proper treatment, recovery and recycling.

Private households in the member states of the EU, in Switzerland and Norway may return their used electronic products free of charge to designated collection facilities or to a retailer (if you purchase a similar new one).

For countries not mentioned above, please contact your local authorities for the correct method of disposal.

By doing so you will ensure that your disposed product undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health. ▣

### About this unit

The tuner frequencies on this unit are allocated for use in Western Europe, Asia, the Middle East, Africa and Oceania. Use in other areas may result in poor reception. The RDS (radio data system) function only works in areas that broadcast RDS signals for FM stations.

### ⚠ WARNING

- Do not attempt to install or service this product by yourself. Installation or servicing of this product by persons without training and experience in electronic equipment and automotive accessories may be dangerous and could expose you to the risk of electric shock, injury or other hazards.
- Do not attempt to operate the unit while driving. Make sure to pull off the road and park your vehicle in a safe location before attempting to use the controls on the device.

### ⚠ 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.
- The Pioneer CarStereo-Pass is for use only in Germany.
- Always keep the volume low enough to hear outside sounds.
- Avoid exposure to moisture.

### CAUTION

This product is a class 1 laser product classified under the Safety of laser products, IEC 60825-1:2007.

**CLASS 1 LASER PRODUCT**



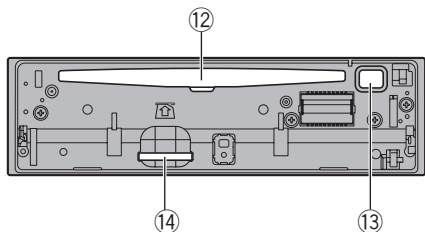
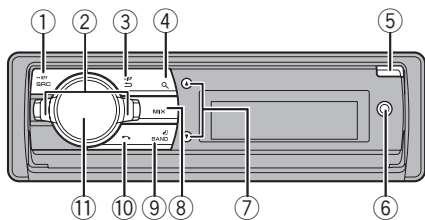
### If you experience problems

Should this unit fail to work properly, please contact your dealer or nearest authorized PIONEER Service Station. ▣

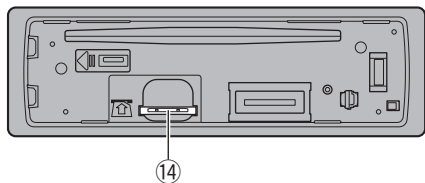
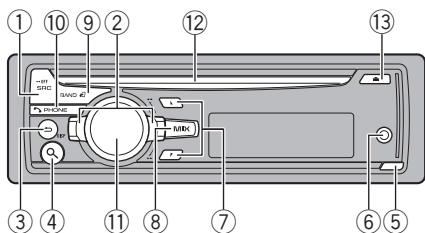
# 02 Using this unit

## Head unit

DEH-X9600BT



DEH-X8600BT



① SRC/OFF

② LEVER

③ ↔/DISP

④ 🔍 (list)

DEH-X9600BT

Open button

⑤

DEH-X8600BT

Detach button

⑥ AUX input jack (3.5 mm stereo jack)

⑦ UP/DOWN (up/down)

⑧ MIX (MIXTRAX)

⑨ BAND/⏪ (iPod)

⑩ 📞 (phone)

⑪ MULTI-CONTROL (M.C.)

⑫ Disc loading slot

⑬ ▲ (eject)

SD memory card slot

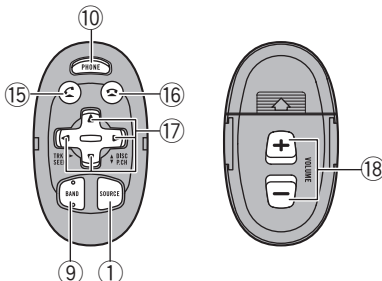
⑭ Remove the front panel to access the SD memory card slot.

### ⚠ CAUTION

Use a Pioneer USB cable when connecting a USB storage device. Connecting a USB storage device directly may be dangerous because it may stick out. 📌

## Optional remote control

The remote control CD-SR110 is sold separately.



⑮ 📞 Press to start talking to the caller while using the phone.

⑯ 📞 Press to end a call, reject an incoming call, or reject a call waiting while on another call.

## Using this unit



- ⑰ Press to perform manual seek tuning, fast forward, reverse and track search controls. Also used for controlling functions.

### VOLUME

- ⑱ Press to increase or decrease volume.



## Set up menu

### 1 After installation of this unit, turn the ignition switch to ON.

Set up appears.

### 2 Turn M.C. to switch to YES.

- If you do not use the unit for 30 seconds, the set up menu will not be displayed.
- If you prefer not to set up at this time, turn M.C. to switch to NO.

### 3 Press M.C. to select.

### 4 Follow these steps to set the menu.

To proceed to the next menu option, you need to confirm your selection.

#### Language select (multi-language)

For your convenience, this unit offers a choice of several languages. You can select the language you prefer to use.

- ① Turn M.C. to select the desired language.  
**English—Français—Italiano—Español—Deutsch—Nederlands—РУССКИЙ**
- ② Press M.C. to confirm the selection.

#### Calendar (setting the date)

- ① Turn M.C. to change the year.
- ② Press M.C. to select day.
- ③ Turn M.C. to change the day.
- ④ Press M.C. to select month.
- ⑤ Turn M.C. to change the month.
- ⑥ Press M.C. to confirm the selection.

#### Clock Setting (setting the clock)

- ① Turn M.C. to adjust hour.
- ② Press M.C. to select minute.
- ③ Turn M.C. to adjust minute.
- ④ Press M.C. to select time notation.
- ⑤ Turn M.C. to select the desired setting.  
**12H** (12-hour clock)—**24H** (24-hour clock)
- ⑥ Press M.C. to confirm the selection.

#### FM step (FM tuning step)

Use **FM step** to set FM tuning step options (seek step settings).

- ① Turn M.C. to select the FM tuning step.  
**100kHz** (100 kHz)—**50kHz** (50 kHz)
- ② Press M.C. to confirm the selection.
  - The manual tuning step is fixed at 50 kHz.
  - When AF and TA are turned off, the seek step is fixed at 50 kHz even if set to **100kHz**.

#### Contrast (display contrast setting)

- ① Turn M.C. to adjust the contrast level.  
**0** to **15** is displayed as the level is increased or decreased.
- ② Press M.C. to confirm the selection.  
**Quit** appears.

### 5 To finish your settings, turn M.C. to select YES.

- If you prefer to change your setting again, turn M.C. to switch to NO.

### 6 Press M.C. to select.

#### Notes

- You can set up the menu options from the system menu and set up menu. For details about the settings, refer to *System menu* on page 26 and *Set up menu* on page 27.
- You can cancel set up menu by pressing **SRC/OFF**.

## Attaching the front panel

### Important

- Handle the front panel with care when removing or attaching it.
- Avoid subjecting the front panel to excessive shock.
- Keep the front panel out of direct sunlight and high temperatures.
- To avoid damaging the device or vehicle interior, remove any cables and devices attached to the front panel before detaching it.

## Using this unit

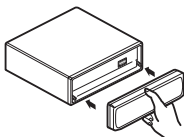
### DEH-X9600BT

Removing the front panel

- 1 Press the open button to open the front panel.
- 2 Grip the left side of the front panel and pull it gently outward.  
Take care not to grip it too tightly or to drop the front panel and protect it from contact with water or other fluids to prevent permanent damage.
- 3 Always store the detached front panel in a protective case or bag.

Re-attaching the front panel

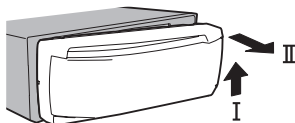
- 1 Reattach the front panel by holding it upright to the unit and clipping it securely into the mounting hooks.



### DEH-X8600BT

Removing the front panel

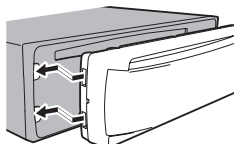
- 1 Press the detach button to release the front panel.
- 2 Push the front panel upward (I) and then pull it toward (II) you.



- 3 Always store the detached front panel in a protective case or bag.

Re-attaching the front panel

- 1 Slide the front panel to the left.



- 2 Press the right side of the front panel until it is firmly seated.  
Forcing the front panel into place may result in damage to the front panel or head unit.

## Basic operations

Turning the unit on

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

Turning the unit off

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


Adjusting the volume

- 1 Turn **M.C.** to adjust the volume.

Selecting a source

- 1 Press **SRC/OFF** to cycle between:  
DEH-X9600BT  
**Radio—CD—USB1/iPod1—App 1** (application1)  
—**USB2/iPod2—App 2** (application2)—**SD—  
AUX—BT Audio**  
DEH-X8600BT  
**Radio—CD—USB/iPod—App** (application)—**SD  
—AUX—BT Audio**

### Notes

- 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.
- When there are two USB storage devices connected to this unit and you want to switch between them for playback, disconnect communications for the USB storage device first before proceeding.
- If connecting both **USB1/iPod1** and **USB2/iPod2** at the same time, use a Pioneer USB cable (CD-U50E) in addition to the regular Pioneer USB cable. 

## Frequently used menu operations

Returning to the previous display

Returning to the previous list/category (the folder/category one level higher)

- 1 Press **↵/DISP.**

Returning to the ordinary display

- 1 Press **BAND/↵**.

## Using this unit

Returning to the ordinary display from the list/category

- 1 Press **BAND/**.

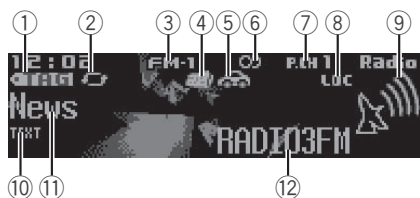
Selecting a function or list

- 1 Turn **M.C.** or **LEVER**.
  - In this manual, "Turn **M.C.**" is used to describe the operation used to select a function or list.

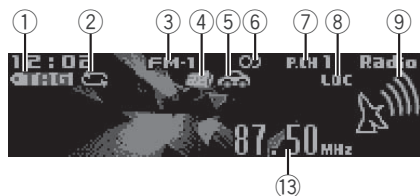


## Radio

### Basic operations



### RDS



### Non-RDS or MW/LW

- 1 **TAG** indicator
- 2 Tags transferring indicator
- 3 Band indicator
- 4 **News** indicator
- 5 **Traffic Announce** indicator
- 6 (stereo) indicator
- 7 Preset number indicator
- 8 **LOC** indicator
  - Appears when local seek tuning is on.
- 9 Signal level indicator
- 10 **TEXT** indicator
  - Shows when the radio text is received.
- 11 PTY label indicator
- 12 Program service name
- 13 Frequency indicator

Selecting a band

- 1 Press **BAND/** until the desired band (**FM-1**, **FM-2**, **FM-3** for FM or **MW/LW**) is displayed.

Manual tuning (step by step)

- 1 Turn **LEVER**.
  - Select **Manual** (manual tuning) under **Tuning Mode** to use this function.

Switching preset stations

- 1 Turn **LEVER**.
  - Select **Preset** (preset channel) under **Tuning Mode** to use this function.

Seeking

- 1 Turn and hold down **LEVER**.
  - While turning and holding down **LEVER**, you can skip stations. Seek tuning starts as soon as you release **LEVER**.

### Note

For details about **Tuning Mode**, refer to **Tuning Mode** (*LEVER tuning setting*) on page 9.

### Using PI Seek

If the tuner cannot find a suitable station, or the reception status deteriorates, the unit automatically searches for a different station with the same programming. During the search, **PI SEEK** is displayed and the sound is muted.

### Using Auto PI Seek for preset stations

When preset stations cannot be recalled, the unit can be set to perform PI Seek during preset recall.

- The default setting for Auto PI Seek is off. Refer to **Auto PI** (*auto PI seek*) on page 26.

### Storing and recalling stations for each band

#### 1 Press **Q** (list).

The preset screen is displayed.

## Using this unit

### 2 Use M.C. to store the selected frequency in the memory.

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

### 3 Use M.C. to select the desired station.

Turn to change the station. Press to select.

- All stations stored for FM bands can be recalled from each independent FM band.
- You can also change the station by pressing **UP** or **DOWN**.

## Switching the RDS display

RDS (radio data system) contains digital information that helps search for the radio stations.

### ● Press ↵/DISP.

PTY/frequency or program service name—song title/artist name

#### Notes

- If the program service name cannot be acquired, the broadcast frequency is displayed instead. If the program service name is detected, the program service name will be displayed.
- Depending on the band, text information can be changed.

## PTY list

For more details about PTY list, visit the following site:

<http://www.pioneer.eu/eur/products/25/121/tech/CarAudio/PTY.html>

## Using tag information

For more details about iTunes tagging, refer to *About iTunes tagging* on page 35.

Storing the tag information to this unit

- 1 Tune in to the broadcast station.
- 2 Press and hold ↵/DISP if **TAG** is indicated in the display while desired song is broadcasting.
  - While storing the tag data on this unit, **TAG** flashes.

Storing the tagged information to your iPod DEH-X9600BT

- 1 Switch the source to **iPod**.
    - The tag transfer screen is displayed.
  - 2 Turn **M.C.** to switch to **YES**.
  - 3 Press **M.C.** to select.
    - Tagged information is transferred to your iPod.
    - You can also transfer tagged information using **Tags transfer**. For details, refer to **Tags transfer (Tags transfer)** on page 15.
    - Tags transfer will stop if the source is changed from **iPod1** to **iPod2**, or from **iPod2** to **iPod1** while tagged information is being transferred.
- DEH-X8600BT
- 1 The tag information on this unit is transferred to the iPod automatically when an iPod is connected.

## Using radio text

Displaying radio text

You can display the currently received radio text and the three most recent radio texts.

- 1 Press and hold down **Q** (list) to display radio text.
  - When no radio text is received, **NO TEXT** appears in the display.
- 2 Turn **LEVER** left or right to recall the three most recent radio texts.
- 3 Press **UP** or **DOWN** to scroll.

Storing and recalling radio text

You can store data from up to six radio text transmissions to the **RT MEMO 1** to **RT MEMO 6** keys.

- 1 Display the radio text you want to store in the memory.
- 2 Press **Q** (list).
  - The preset screen is displayed.
- 3 Use **LEVER** to store the selected radio text.
  - Turn it to change the preset number. Press and hold down **M.C.** to store.
- 4 Use **LEVER** to select the desired radio text.
  - Turn it to change the radio text. Press **M.C.** to select.

- The tuner automatically stores the three latest radio text broadcasts received, replacing the oldest text with the newest text.



## Using this unit

### Function settings

**1 Press M.C. to display the main menu.**

**2 Turn M.C. to change the menu option and press to select FUNCTION.**

**3 Turn M.C. to select the function.**

Once selected, the following functions can be adjusted.

- If MW/LW band is selected, only **BSM**, **Local** and **Tuning Mode** are available.

#### FM Setting (FM sound quality settings)

The sound quality level can be set to match the broadcast signal conditions of the FM band signal.

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select the desired setting.
  - **Standard** – This is the standard setting.
  - **Hi-Fi** – This is the setting to use to prioritize the high quality of stereo sound.
  - **Stable** – This is the setting to use to prioritize the low noise of monaural sound.

#### BSM (best stations memory)

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

- 1 Press **M.C.** to turn BSM on.  
To cancel, press **M.C.** again.

#### Regional (regional)

When **Alternative FREQ** is used, the regional function limits the selection of stations to those broadcasting regional programs.

- 1 Press **M.C.** to turn the regional function on or off.

#### Local (local seek tuning)

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

- 1 Press **M.C.** to display the setting mode.
- 2 Press **M.C.** to turn local on or off.
- 3 Turn **M.C.** to select the desired setting.  
FM: **Level 1—Level 2—Level 3—Level 4**  
MW/LW: **Level 1—Level 2**

The highest level setting allows reception of only the strongest stations, while lower levels allow the reception of weaker stations.

#### PTY search (program type selection)

You can tune in to a station using PTY (program type) information.

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **LEVER** left or right to select the desired setting.

#### News&Inf—Popular—Classics—Others

- 3 Press **M.C.** to begin the search.  
The unit searches for a station broadcasting that type of program. When a station is found, its program service name is displayed.
  - To cancel the search, press **M.C.** again.
  - The program of some stations may differ from that indicated by the transmitted PTY.
  - If no station is broadcasting the type of program you searched for, **Not found** is displayed for about two seconds and then the tuner returns to the original station.

#### Traffic Announce (traffic announcement standby)

- 1 Press **M.C.** to turn traffic announcement standby on or off.

#### Alternative FREQ (alternative frequencies search)

When the tuner cannot get a good reception, the unit automatically searches for a different station in the same network.

- 1 Press **M.C.** to turn the alternative frequencies search on or off.

#### News interrupt (news program interruption)

- 1 Press **M.C.** to turn the NEWS function on or off.

#### Tuning Mode (LEVER tuning setting)

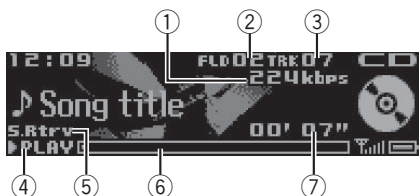
You can assign a function to the **LEVER** on the unit. Select **Manual** (manual tuning) to tune up or down manually or select **Preset** (preset channel) to switch between preset channels.

- 1 Press **M.C.** to select **Manual** or **Preset**.



## CD/CD-R/CD-RW and external storage devices (USB, SD)

### Basic operations



- ① Bit rate/sampling frequency indicator  
Shows the bit rate or sampling frequency of the current track (file) when the compressed audio is playing.
  - When playing back VBR (variable bit rate)-recorded AAC files, the average bit rate value is displayed. However, depending on the software used to decode AAC files, **VBR** may be displayed.
- ② Folder number indicator  
Shows the current folder number when playing a compressed audio file.
- ③ Track number indicator
- ④ **PLAY/PAUSE** indicator
- ⑤ **S.Rtrv** indicator  
Appears when Sound Retriever function is on.
- ⑥ Song time (progress bar)
- ⑦ Play time indicator

#### Playing a CD/CD-R/CD-RW

- ① Insert the disc into the disc loading slot with the label side up.

#### Ejecting a CD/CD-R/CD-RW

- ① Press **▲** (eject).

#### Playing songs on a USB storage device

- ① Plug in the USB storage device using the USB cable.
  - Use a Pioneer USB cable to connect the USB storage device to the unit.

#### Stopping playback of files on a USB storage device

- ① Disconnect the USB storage device.

#### Playing songs on an SD memory card

- ① Insert an SD memory card into the SD card slot. Insert it with the contact surface facing down, and press on the card until it clicks and completely locks into place.
- ② Press **SRC/OFF** to select **SD** as the source.

#### Stopping playback of files on an SD memory card

- ① Press on the SD memory card until it clicks. The SD memory card is ejected.
- ② Pull out the SD memory card.

#### Selecting a folder

- ① Press **UP** or **DOWN**.

#### Selecting a track

- ① Turn **LEVER**.

#### Fast forwarding or reversing

- ① Turn and hold down **LEVER** to the right or left.
  - When playing compressed audio, there is no sound during fast forward or reverse.

#### Returning to root folder

- ① Press and hold **BAND/↵**.

#### Switching between compressed audio and CD-DA

- ① Press **BAND/↵**.

#### Switching between playback memory devices

You can switch between playback memory devices on USB storage devices with more than one Mass Storage Device-compatible memory device.

- ① Press **BAND/↵**.
  - You can switch between up to 32 different memory devices.

#### MTP connection

MTP-compatible Android devices (running Android OS 4.0 or higher) can be connected by MTP connection using the USB source. To connect an Android device, use the cable that came with the device.

- This function is not compatible with MIXTRAX.
- This function is not compatible with WAV.
- This function is not compatible with music browse.

### Notes

- Disconnect USB storage devices from the unit when not in use.
- If there are two USB storage devices connected to this unit, the device connected to the input of the selected source is the one that is operated.
- Disconnect communications for the USB storage device before switching to operation of the other device.

## Using this unit

### Operations using the MIXTRAX button

Turning MIXTRAX on or off

You can use this function when **USB** or **SD** is selected as the source.

You cannot use this function with **USB MTP**.

1 Press **MIX** to turn MIXTRAX on or off.

- For more details about MIXTRAX, refer to *About MIXTRAX* on page 24.

### Switching the display

Selecting the desired text information

- Press **⇨/DISP**.

### Selecting and playing files/tracks from the name list

This function is available when **OFF** is selected in **Music browse**. For details, refer to **Music browse** (*music browse*) on page 12.

1 Press **Q** (**list**) to switch to the file/track name list mode.

2 Use **M.C.** to select the desired file name (or folder name).

Changing the file or folder name

1 Turn **M.C.**

Playing

1 When a file or track is selected, press **M.C.**

Viewing a list of the files (or folders) in the selected folder

1 When a folder is selected, press **M.C.**

Playing a song in the selected folder

1 When a folder is selected, press and hold **M.C.**

### Browsing for a song

You can use this function when **USB** or **SD** is selected as the source.

This function is available when **ON** is selected in **Music browse**. For details, refer to **Music browse** (*music browse*) on page 12.

1 Press **Q** (**list**) to switch to the top menu of the list search.

2 Use **M.C.** to select a category/song.

Changing the name of the song or category

1 Turn **M.C.**

**Artists** (artists)—**Albums** (albums)—**Songs** (songs)—**Genres** (genres)

Playing

1 When a song is selected, press **M.C.**

Viewing a list of songs in the selected category

1 When a category is selected, press **M.C.**

Playing a song in the selected category

1 When a category is selected, press and hold **M.C.**

Searching the list by alphabet

1 When a list for the selected category is displayed, press **Q** to switch to alphabet search mode.

2 Turn **M.C.** to select a letter.

3 Press **M.C.** to display the alphabetical list.

- To cancel searching, press **⇨/DISP**.

### Notes

- This unit must create an index in order to facilitate **Artists**, **Albums**, **Songs**, and **Genres** searches. Typically, it will take approximately 70 seconds to create an index for 1 000 songs, and we recommend that up to 3 000 songs be used. Please note that certain types of file may take longer to index than others.
- Depending on the number of files in the USB storage device, there may be a delay when displaying a list.
- Keys may not have any effect during the creation of an index or list.
- Lists are recreated each time the unit is turned on.

## Using this unit


### Playing songs related to the currently playing song

You can use this function when **USB** or **SD** is selected as the source.

This function is available when **ON** is selected in **Music browse**. For details, refer to **Music browse** (*music browse*) on page 12.

You can play songs from the following lists.

- Album list of the currently playing artist
- Song list of the currently playing album
- Album list of the currently playing genre

**1 Press and hold  to switch to link play mode.**

**2 Turn M.C. to change the mode; press to select.**

- **Artist** – Plays an album by the artist currently playing.
- **Album** – Plays a song from the album currently being played.
- **Genre** – Plays an album from the genre currently being played.

The selected song/album will be played after the currently playing song.

#### Notes

- The selected song/album may be canceled if you use functions other than link search (e.g. fast forward and reverse).
- Depending on the song selected to play, the end of the currently playing song and the beginning of the selected song/album may be cut off.

### Function settings

**1 Press M.C. to display the main menu.**

**2 Turn M.C. to change the menu option and press to select FUNCTION.**

**3 Turn M.C. to select the function.**

Once selected, the following functions can be adjusted.

- **Music browse** and **Link play** cannot be used when the source is set to **CD**.
- **Link play** is not available when **OFF** is selected in **Music browse**. For details, refer to **Music browse** (*music browse*) on page 12.

#### Music browse (*music browse*)

You can browse music on a USB storage device and SD.

**1** Press **M.C.** to select the desired setting.

- **ON** – Category/song list can be used.
- **OFF** – File/folder list can be used.

In some cases, a message may appear asking whether to create a database on this unit or not. If it appears, proceed by completing the below steps.

**2** Turn **M.C.** to switch to **Yes**.

**3** Press **M.C.** to select.

A message will appear asking if you want to save the database information to a USB storage device/SD card.

**4** Turn **M.C.** to switch to **Yes**.

**5** Press **M.C.** to select.

Select **No** to cancel the selection.

- The database information on this unit will be deleted if **ACC** is set to **OFF**. Saving the database information to a USB storage device/SD card will allow it to be read from the USB storage device/SD card to which it was saved when **ACC** is set to **ON**, which will increase the processing speed.
- The database may need to be rebuilt if the information in the USB storage device/SD card file is different from the database information saved to the USB storage device/SD card. A message will appear in such cases asking whether to rebuild the database or not.

#### Play mode (*repeat play*)

**1** Press **M.C.** to select a repeat play range.

##### CD/CD-R/CD-RW

- **Disc repeat** – Repeat all tracks
- **Track repeat** – Repeat the current track
- **Folder repeat** – Repeat the current folder

##### External storage device (USB, SD)

- **All repeat** – Repeat all files
- **Track repeat** – Repeat the current file
- **Folder repeat** – Repeat the current folder

#### Random mode (*random play*)

**1** Press **M.C.** to turn random play on or off.

#### Link play (*link play*)

## Using this unit

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to change the mode; press to select. For details about the settings, refer to *Playing songs related to the currently playing song* on page 12.

### Pause (pause)

- 1 Press **M.C.** to pause or resume.

### Sound Retriever (sound retriever)

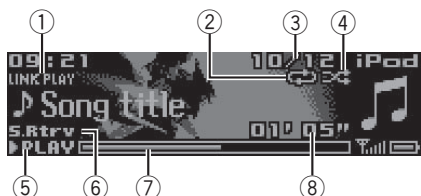
Automatically enhances compressed audio and restores rich sound.

- 1 Press **M.C.** to select the desired setting.  
**1—2—OFF** (off)  
**1** is effective for low compression rates, and **2** is effective for high compression rates.



## iPod

### Basic operations



- 1 **LINK PLAY** indicator
- 2 Repeat indicator
- 3 Song number indicator
- 4 Shuffle indicator
- 5 **PLAY/PAUSE** indicator
- 6 **S.Rtrv** indicator  
Appears when Sound Retriever function is on.
- 7 Song time (progress bar)
- 8 Play time indicator

Playing songs on an iPod

- 1 Connect an iPod to the USB cable.

Selecting a track (chapter)

- 1 Turn **LEVER**.

Fast forwarding or reversing

- 1 Turn and hold down **LEVER** to the right or left.

Selecting an album

- 1 Press **UP** or **DOWN**.

### Notes

- The iPod cannot be turned on or off when the control mode is set to **Ctrl Audio**.
- Disconnect headphones from the iPod before connecting it to this unit.
- The iPod will turn off about two minutes after the ignition is switched off.

## Operations using the MIXTRAX button

Turning MIXTRAX on or off

- 1 Press **MIX** to turn MIXTRAX on or off.
  - For more details about MIXTRAX, refer to *About MIXTRAX* on page 24.

## Switching the display

Selecting the desired text information

- Press **↔/DISP**.

## Browsing for a song

1 Press **Q** (list) to switch to the top menu of the list search.

2 Use **M.C.** to select a category/song.

Changing the name of the song or category

- 1 Turn **M.C.**  
**Playlists** (playlists)—**Artists** (artists)—**Albums** (albums)—**Songs** (songs)—**Podcasts** (podcasts)—**Genres** (genres)—**Composers** (composers)—**Audiobooks** (audiobooks)

Playing

- 1 When a song is selected, press **M.C.**

Viewing a list of songs in the selected category

- 1 When a category is selected, press **M.C.**

## Using this unit

Playing a song in the selected category

- 1 When a category is selected, press and hold **M.C.**

Searching the list by alphabet

- 1 When a list for the selected category is displayed, press **Q** to switch to alphabet search mode.
- 2 Turn **M.C.** to select a letter.
- 3 Press **M.C.** to display the alphabetical list.
  - To cancel searching, press **➔/DISP**

### Notes

- You can play playlists created with the computer application (MusicSphere). The application will be available on our website.
- Playlists that you created with the computer application (MusicSphere) are displayed in abbreviated form.

## Playing songs related to the currently playing song

You can play songs from the following lists.

- Album list of the currently playing artist
- Song list of the currently playing album
- Album list of the currently playing genre

**1 Press and hold Q to switch to link play mode.**

**2 Turn M.C. to change the mode; press to select.**

- **Artist** – Plays an album by the artist currently playing.
- **Album** – Plays a song from the album currently being played.
- **Genre** – Plays an album from the genre currently being played.

The selected song/album will be played after the currently playing song.

### Notes

- The selected song/album may be canceled if you use functions other than link search (e.g. fast forward and reverse).
- Depending on the song selected to play, the end of the currently playing song and the beginning of the selected song/album may be cut off.

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

This unit's iPod function can be controlled by using the connected iPod.

**Ctrl iPod** is not compatible with the following iPod models.

- iPod nano 1st generation
- iPod with video

**● Press BAND/4 to switch the control mode.**

- **Ctrl iPod** – This unit's iPod function can be operated from the connected iPod.
- **Ctrl Audio** – This unit's iPod function can be controlled by using this unit.

### Notes

- Switching the control mode to **Ctrl iPod** pauses song playback. Use the iPod to resume playback.
- The following operations are still accessible from the unit even if the control mode is set to **Ctrl iPod**.
  - Pausing
  - Fast forward/reverse
  - Selecting a song (chapter)
- The volume can only be adjusted from this unit.

## Function settings

**1 Press M.C. to display the main menu.**

**2 Turn M.C. to change the menu option and press to select FUNCTION.**

**3 Turn M.C. to select the function.**

Once selected, the following functions can be adjusted.

- **Tags transfer** is not available for DEH-X8600BT.
- **Play mode, Shuffle mode, Shuffle all, Link play** and **Audiobooks** are not available when **Ctrl iPod** is selected in the control mode. For details, refer to *Using this unit's iPod function from your iPod* on page 14.

## Using this unit

### Play mode (repeat play)

- 1 Press **M.C.** to select a repeat play range.
  - **Repeat One** – Repeat the current song
  - **Repeat All** – Repeat all songs in the selected list
- When the control mode is set to **Ctrl iPod**, the repeat play range will be same as what is set for the connected iPod.

### Shuffle mode (shuffle)

- 1 Press **M.C.** to select the desired setting.
  - **Shuffle Songs** – Play back songs in the selected list in random order.
  - **Shuffle Albums** – Play back songs from a randomly selected album in order.
  - **Shuffle OFF** – Cancel random play.

### Shuffle all (shuffle all)

- 1 Press **M.C.** to turn shuffle all on. To turn off **Shuffle all**, select **Shuffle OFF** in **Shuffle mode**. For details, refer to **Shuffle mode (shuffle)** on page 15.

### Link play (link play)

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to change the mode; press to select. For details about the settings, refer to *Playing songs related to the currently playing song* on page 14.

### Pause (pause)

- 1 Press **M.C.** to pause or resume.

### Audiobooks (audiobook speed)

- 1 Press **M.C.** to select the desired setting.
  - **Faster** – Playback at a speed faster than normal
  - **Normal** – Playback at normal speed
  - **Slower** – Playback at a speed slower than normal

### Tags transfer (Tags transfer)

Transfers the tagged information stored on this unit to the connected iPod.

- 1 Press **M.C.** to display the setting mode.
- 2 A "**Transfer yes**" message appears, prompting you to initiate the transfer.
- 3 Press **M.C.**. Tagged information is transferred to your iPod.

### Sound Retriever (sound retriever)

- 1 Press **M.C.** to select the desired setting.
  - 1—2—**OFF** (off)
- 1 is effective for low compression rates, and 2 is effective for high compression rates.

## Using Bluetooth wireless technology

### Using the Bluetooth telephone

#### Important

- Leaving the unit on standby to connect to your phone via Bluetooth while the engine is not running can drain the battery.
- Operations may vary depending on the kind of cellular phone.
- Advanced operations that require attention such as dialing numbers on the monitor, using the phone book, etc., are prohibited while driving. Be sure to park your vehicle in a safe place and apply the parking brake before proceeding.


### Setting up for hands-free phoning

- 1 Connection  
Use the Bluetooth telephone connection menu. Refer to *Connection menu operation* on page 16.
- 2 Function settings  
Use the Bluetooth telephone function menu. Refer to *Phone menu operation* on page 17.


### Basic operations

Making a phone call  
Refer to *Phone menu operation* on page 17.


Answering an incoming call

- 1 When a call is received, press .

Ending a call

- 1 Press .

Rejecting an incoming call

- 1 When a call is received, press and hold .

## Using this unit

Answering a call waiting 1 When a call is received, press  .
Switching between callers on hold 1 Press <b>M.C.</b>
Canceling call waiting 1 Press and hold  .
Adjusting the other party's listening volume 1 Turn <b>LEVER</b> while talking on the phone. <ul style="list-style-type: none"> <li>When private mode is on, this function is not available.</li> </ul>
Turning private mode on or off 1 Press <b>BAND/</b> while talking on the phone.

### Note

If private mode is selected on the cellular phone, hands-free phoning may not be available.

## Using voice recognition

This feature can be used on an iPhone equipped with voice recognition that is connected by Bluetooth.

### 1 Press and hold M.C. to switch to voice recognition mode.

### 2 Press M.C. and then talk into the microphone to input voice commands.

To end voice recognition mode, press **BAND/**.

### Notes

- For details on voice recognition features, check the manual for your iPhone.
- In order for your voice commands to be recognized and interpreted correctly, ensure that conditions are suitable for recognition.
- Please note that wind blowing through the vehicle windows and noise coming from outside the vehicle can interfere with voice command operation.
- For optimum pick-up, the microphone should be placed directly in front of the driver at a suitable distance.
- Speaking too soon after the start of the command may cause voice recognition to fail.
- Speak slowly, deliberately, and clearly.

## Connection menu operation

### Important

Connected devices may not work properly if more than one Bluetooth device is connected at a time (e.g. a phone and a separate audio player are connected simultaneously).

### 1 Press and hold to display the connection menu.

- You cannot perform this step during a call.

### 2 Turn M.C. to select the function.

Once selected, the following functions can be adjusted.

#### Device list (connecting or disconnecting a device from the device list)

- Press **M.C.** to display the setting mode.
- Turn **M.C.** to select the name of a device you want to connect/disconnect.
  - Press and hold **M.C.** to swap between the Bluetooth device address and the device name.
- Press **M.C.** to connect/disconnect the selected device.
 

Once the connection is established, **Connected** is displayed.

  - When no device is selected in the device list, this function is not available.

#### Delete device (deleting a device from the device list)

- Press **M.C.** to display the setting mode.
- Turn **M.C.** to select the name of a device you want to delete.
  - Press and hold **M.C.** to swap between the Bluetooth device address and the device name.
- Press **M.C.** to display **Delete YES**.
- Press **M.C.** to delete the device information from the device list.
  - When no device is selected in the device list, this function is not available.
  - While this function is in use, do not turn off the engine.

#### Add device (connecting a new device)



## Using this unit

- 1 Press **M.C.** to start searching.
  - To cancel, press **M.C.** while searching.
  - If this unit fails to find any available cellular phones, **Not found** is displayed.
- 2 Turn **M.C.** to select a device from the device list.
  - If the desired device is not displayed, select **RE-SEARCH**.
  - Press and hold **M.C.** to swap between the Bluetooth device address and the device name.
- 3 Press **M.C.** to connect the selected device.
  - To complete the connection, check the device name (**Pioneer BT Unit**). Enter the PIN code on your device if necessary.
  - PIN code is set to **0000** as the default. You can change this code.
  - A 6-digit number may display on both this unit and the Bluetooth device. Select **yes** if the 6-digit numbers displayed on this unit and the Bluetooth device are the same.
  - 6-digit number appears on the display of this unit. Once the connection is established, this number disappears.
  - If you are unable to complete the connection using this unit, use the device to connect to the unit.
  - If three devices are already paired, **Device Full** is displayed and it is not possible to perform this operation. In this case, delete a paired device first.

**Auto connect** (connecting to a Bluetooth device automatically)

- 1 Press **M.C.** to turn automatic connection on or off.

**Visibility** (setting the visibility of this unit)

Bluetooth visibility can be turned on so that other devices can discover the unit.

- 1 Press **M.C.** to turn the visibility of this unit on or off.

**Pin code input** (PIN code input)

You must enter a PIN code on your device to confirm the Bluetooth connection. The default code is **0000**, but you can change it with this function.

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select a number.
- 3 Press **M.C.** to move the cursor to the next position.
- 4 After inputting PIN code, press and hold **M.C.**
  - After inputting, pressing **M.C.** returns you to the PIN code input display, and you can change the PIN code.

**Device INFO** (Bluetooth device address display)

- 1 Press **M.C.** to display the setting mode.
- 2 Press **M.C.** to select the desired setting.  
Device name—Bluetooth device address

**Guest Mode** (guest mode)

When this mode is turned on, if a pairing is attempted while there are already three devices paired together, the unit will move to the **Delete device** screen automatically and prompt you to delete a device. For details, refer to **Delete device** (*deleting a device from the device list*) on page 16.

- 1 Press **M.C.** to turn the guest mode on or off.

**Auto pairing** (auto pairing)

If this function is turned on while there is an iPhone connected to the unit by USB, you will be automatically prompted to pair the unit and iPhone.

- 1 Press **M.C.** to turn auto pairing on or off.
  - This function may not be available depending on what version of iOS you are using.
  - This function cannot be used with USB port 2.

## Phone menu operation

1 Press  to display the phone menu.

2 Turn **M.C.** to select the function.

Once selected, the following functions can be adjusted.

**Missed calls** (missed call history)

**Dialled calls** (dialed call history)

**Received calls** (received call history)

- 1 Press **M.C.** to display the phone number list.
- 2 Turn **M.C.** to select a name or phone number.
- 3 Press **M.C.** to make a call.
  - To display details about the contact you selected, press and hold **M.C.**

## Using this unit

### PhoneBook (phone book)

The contacts on your phone will normally be transferred automatically when the phone is connected. If it is not, use your phone menu to transfer the contacts. The visibility of this unit should be on when you use the phone menu. Refer to **Visibility** (*setting the visibility of this unit*) on page 17.

- 1 Press **M.C.** to display **ABC Search** (alphabetical list).
- 2 Turn **M.C.** to select the first letter of the name you are looking for.
  - Press and hold **M.C.** to select the desired character type.
    - TOP** (alphabet)–**BCE** (Cyrillic alphabet)
- 3 Press **M.C.** to display a registered name list.
- 4 Turn **M.C.** to select the name you are looking for.
- 5 Press **M.C.** to display the phone number list.
- 6 Turn **M.C.** to select a phone number you want to call.
- 7 Press **M.C.** to make a call.

### Phone Function (phone function)

You can set **Auto answer**, **Ring tone** and **PH.B. Name view** from this menu. For details, refer to *Function and operation* on page 18.

## Function and operation

### 1 Display Phone Function.

Refer to **Phone Function** (*phone function*) on page 18.

### 2 Press M.C. to display the function menu.

### 3 Turn M.C. to select the function.

Once selected, the following functions can be adjusted.

#### Auto answer (automatic answering)

- 1 Press **M.C.** to turn automatic answering on or off.

#### Ring tone (ring tone select)

- 1 Press **M.C.** to turn the ring tone on or off.

#### PH.B.Name view (phone book name view)

- 1 Press **M.C.** to invert the order of names in the phone book.

## Bluetooth Audio

### Important

- Depending on the Bluetooth audio player connected to this unit, the available operations will be limited to the following two levels:
  - A2DP profile (Advanced Audio Distribution Profile): You can only playback songs on your audio player.
    - The A2DP connection can only be used with **App** (smartphone) and **BT Audio**.
  - AVRCP profile (Audio/Video Remote Control Profile): You can perform playback, pause playback, select songs, etc.
- To use a Bluetooth audio player with this unit, refer to this manual and the manual for your device for operating instructions.
- As the signal from your cellular phone may cause noise, avoid using it when you are listening to songs on your Bluetooth audio player.
- The sound of the Bluetooth audio player will be muted when the phone is in use.
- When the Bluetooth audio player is in use, you cannot connect to a Bluetooth telephone automatically.
- Playback continues even if you switch from your Bluetooth audio player to another source while listening to a song.
- Depending on the type of Bluetooth audio player you have connected to this unit, operation and information display may not be available for some functions.

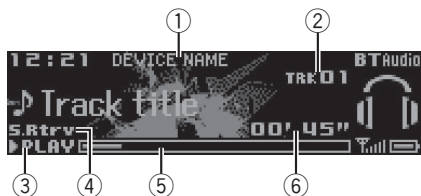
### Setting up for Bluetooth audio

Before you can use the Bluetooth audio function you must set up the unit for use with your Bluetooth audio player. You will need to pair this unit with your Bluetooth audio player.

- 1 Connection
  - Use the Bluetooth telephone connection menu.
  - Refer to *Connection menu operation* on page 16.

## Using this unit

### Basic operations



- ① Device name  
Shows the device name of the connected Bluetooth audio player.
- ② Track number indicator
- ③ **PLAY/PAUSE** indicator
- ④ **S.Rtrv** indicator  
Appears when Sound Retriever function is on.
- ⑤ Song time (progress bar)
- ⑥ Play time indicator

Fast forwarding or reversing

- ① Turn and hold down **LEVER** to the right or left.

Selecting a track

- ① Turn **LEVER**.

Pausing and starting playback

- ① Press **BAND/**.

### Switching the display

Selecting the desired text information

- Press **↔/DISP**.

### Function settings

**1 Press M.C. to display the main menu.**

**2 Turn M.C. to change the menu option and press to select FUNCTION.**

**3 Turn M.C. to select the function.**

Once selected, the following functions can be adjusted.

**Play** (play)

- ① Press **M.C.** to start playback.

**Stop** (stop)

- ① Press **M.C.** to stop the playback.

**Pause** (pause)

- ① Press **M.C.** to pause or resume.

**Random** (random play)

- ① Press **M.C.** to turn random play on or off.
  - This function may not be available depending on the type of Bluetooth audio player connected.
  - The random play range varies depending on the Bluetooth audio player in use.

**Repeat** (repeat play)

- ① Press **M.C.** to select a repeat play range.
  - This function may not be available depending on the type of Bluetooth audio player connected.
  - The repeat play range varies depending on the Bluetooth audio player in use.

**Sound Retriever** (sound retriever)

- ① Press **M.C.** to select the desired setting.
  - 1—2—OFF** (off)
  - 1** is effective for low compression rates, and **2** is effective for high compression rates.



## Using connected device applications

You can use this unit to perform streaming playback of and control tracks in iPhone or smartphone applications or just for streaming playback.

### Important

Use of third party apps may involve or require the provision of personally identifiable information, whether through the creation of a user account or otherwise, and for certain applications, the provision of geolocation data. ALL THIRD PARTY APPS ARE THE SOLE RESPONSIBILITY OF THE PROVIDERS, INCLUDING WITHOUT LIMITATION COLLECTION AND SECURITY OF USER DATA AND PRIVACY PRACTICES. BY ACCESSING THIRD PARTY APPS, YOU AGREE TO REVIEW THE TERMS OF SERVICE AND PRIVACY POLICIES OF THE PROVIDERS. IF YOU DO NOT AGREE WITH THE TERMS OR POLICIES OF ANY PROVIDER OR DO NOT CONSENT TO THE USE OF GEOLOCATION DATA WHERE APPLICABLE, DO NOT USE THAT THIRD PARTY APP.

## Information for compatibility of connected devices

The following is the detailed information regarding the terminals required to use the application for iPhone or smartphone on this unit.

### For iPhone users

- This function is compatible with iPhone and iPod touch.
- The device has iOS 5.0 or higher.

### For smartphone users

- The device has Android OS 2.3 or later.
- The device supports Bluetooth SPP (Serial Port Profile) and A2DP (Advanced Audio Distribution Profile).  
The device is connected to this unit via Bluetooth.
- Compatibility with all Android devices is not guaranteed.  
For details about Android device compatibility with this unit, refer to the information on our website.

## Notes

- Please check our website for a list of supported iPhone or smartphone applications for this unit.
- Pioneer is not liable for any issues that may arise from incorrect or flawed app-based content.
- The content and functionality of the supported applications are the responsibility of the App providers.

## Starting procedure for iPhone users

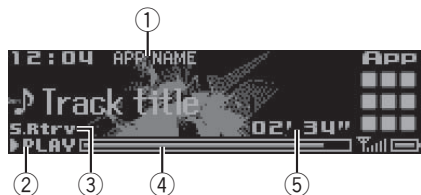
- 1 **Connect an iPhone to USB cable.**
- 2 **Select Wired in APP CONNECT MODE. For details, refer to APP CONNECT MODE (APP connect mode setting) on page 27.**
- 3 **Switch the source to App.**
- 4 **Start up the application on the iPhone and initiate playback.**

## Starting procedure for smartphone users

- 1 **Connect your smartphone to this unit using Bluetooth wireless technology. For details, refer to Connection menu operation on page 16.**
- 2 **Select Bluetooth in APP CONNECT MODE. For details, refer to APP CONNECT MODE (APP connect mode setting) on page 27.**
- 3 **Switch the source to App.**
- 4 **Start up the application on the smartphone and initiate playback.**

## Using this unit

### Basic operations



- ① Application name
- ② **PLAY/PAUSE** indicator
- ③ **S.Rtrv** indicator  
Appears when Sound Retriever function is on.
- ④ Song time (progress bar)
- ⑤ Play time indicator

Selecting a track

- ① Turn **LEVER**.

Fast forwarding or reversing

- ① Turn and hold down **LEVER** to the right or left.

Pausing playback

- ① Press **BAND/** to pause or resume.

### Switching the display

Selecting the desired text information

- Press **DISP.**

### Function settings

- 1 Press **M.C.** to display the main menu.

- 2 Turn **M.C.** to change the menu option and press to select **FUNCTION**.

- 3 Turn **M.C.** to select the function.

Once selected, the following functions can be adjusted.

**Pause** (pause)

- ① Press **M.C.** to pause or resume.

**Sound Retriever** (sound retriever)

- ① Press **M.C.** to select the desired setting.  
**1—2—OFF** (off)  
**1** is effective for low compression rates, and **2** is effective for high compression rates.

### Audio adjustments



- 1 Press **M.C.** to display the main menu.

- 2 Turn **M.C.** to change the menu option and press to select **AUDIO**.

- 3 Turn **M.C.** to select the audio function.

Once selected, the following audio functions can be adjusted.

- The cut-off frequency and output level can be adjusted when the subwoofer output is on.
- **SLA** is not available when FM is selected as the source.

**Fader/Balance** (fader/balance adjustment)

- ① Press **M.C.** to display the setting mode.
- ② Press **M.C.** to cycle between fader (front/rear) and balance (left/right).
- ③ Turn **M.C.** to adjust the front/rear speaker balance.  
Turn **M.C.** to adjust the left/right speaker balance.

**Preset EQ** (equalizer recall)

- ① Press **M.C.** to display the setting mode.
- ② Turn **M.C.** to select an equalizer curve.  
**Powerful—Natural—Vocal—Custom1—Custom2—Flat—SuperBass**

**G.EQ** (equalizer adjustment)

## Using this unit

You can adjust the currently selected equalizer curve setting as desired. Adjusted equalizer curve settings are stored in **Custom1** or **Custom2**.

- **Custom1** can be set separately for each source. However, each of the below combinations are set to the same setting automatically.
  - **USB, iPod, SD, and App** (iPhone)
  - **BT Audio and App** (smartphone)
- **Custom2** is a shared setting used in common for all sources.

- 1 Press **M.C.** to display the setting mode.
- 2 Press **M.C.** to cycle between the following:  
Equalizer band—Equalizer level
- 3 Turn **M.C.** to select the desired setting.  
Equalizer band: **100Hz—315Hz—1.25kHz—3.15kHz—8kHz**  
Equalizer level: **+6 to -6**

### Loudness (loudness)

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

- 1 Press **M.C.** to display the setting mode.
- 2 Press **M.C.** to turn loudness on or off.
- 3 Turn **M.C.** to select the desired setting.  
**Low** (low)—**Mid** (mid)—**High** (high)

### Subwoofer1 (subwoofer on/off setting)

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

- 1 Press **M.C.** to display the setting mode.
- 2 Press **M.C.** to turn subwoofer output on or off.
- 3 Turn **M.C.** to select the phase for the subwoofer output.

Turn **M.C.** to the left to select reverse phase, and **Reverse** appears in the display. Turn **M.C.** to the right to select normal phase, and **Normal** appears in the display.

### Subwoofer2 (subwoofer adjustment)

Only frequencies lower than those in the selected range are outputted from the subwoofer.

- 1 Press **M.C.** to display the setting mode.
- 2 Press **M.C.** to cycle between the cut-off frequency and the output level for the subwoofer.
- 3 Turn **M.C.** to select the cut-off frequency.  
**50Hz—63Hz—80Hz—100Hz—125Hz**
- 4 Turn **M.C.** to adjust the output level for the subwoofer.  
**+6 to -24** is displayed as the level is increased or decreased.

### Bass Booster (bass boost)

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select a desired level.  
**0 to +6** is displayed as the level is increased or decreased.

### HPF (high pass filter adjustment)

Use this function when wanting to listen only to high-frequency sounds. Only frequencies higher than the high-pass filter (HPF) cutoff are output from the speakers.

- 1 Press **M.C.** to display the setting mode.
- 2 Press **M.C.** to turn high pass filter on or off.
- 3 Turn **M.C.** to select the cut-off frequency.  
**50Hz—63Hz—80Hz—100Hz—125Hz**

### SLA (source level adjustment)

This function prevents the volume from changing too dramatically when the source switches.

- Settings are based on the FM volume level, which remains unchanged.
  - The MW/LW volume level can also be adjusted with this function.
  - Each of the below combinations are set to the same setting automatically.
    - **USB, iPod, SD, and App** (iPhone)
    - **BT Audio and App** (smartphone)
- 1 Press **M.C.** to display the setting mode.
  - 2 Turn **M.C.** to adjust the source volume.  
Adjustment range: **+4 to -4**



## Using different entertainment displays



You can enjoy entertainment displays while listening to each sound source.

- 1 Press **M.C.** to display the main menu.
- 2 Turn **M.C.** to change the menu option and press to select **ENTERTAINMENT**.


## Using this unit

### 3 Turn M.C. to select the desired setting.

Simple display—background visual—genre—background picture 1—background picture 2—background picture 3—background picture 4—spectrum analyzer—level indicator—movie screen—calendar

### 4 Press M.C. to select.

#### Notes

- Genre display changes depending on the genre of music.
- Genre display may not work correctly depending on the application used to encode audio files.
- If the source is set to **Radio** or **AUX**, the simple display will show even if spectrum analyzer or level indicator is chosen. 

## Selecting the illumination color



### 1 Press M.C. to display the main menu.

### 2 Turn M.C. to change the menu option and press to select ILLUMINATION.

### 3 Turn M.C. to select the illumination function.

Once selected, the following illumination functions can be adjusted.

#### Key Side (key section color setting)

You can select desired colors for the keys of this unit.

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select the desired setting.
  - Preset colors (ranging from **White** to **Blue**)
  - **Scan** (cycle through a variety of colors automatically)
  - **Custom** (customized illumination color)

#### Display Side (display section color setting)

You can select the desired colors for the display of this unit.

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select the desired setting.
  - Preset colors (ranging from **White** to **Blue**)
  - **Scan** (cycle through a variety of colors automatically)
  - **Custom** (customized illumination color)

#### Key & Display (key and display color setting)

You can select the desired colors for the keys and display of this unit.

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select the desired setting.
  - Preset colors (ranging from **White** to **Blue**)
  - **Scan** (cycle through a variety of colors automatically)

#### Phone (phone color setting)

You can select the desired key colors to display when an incoming call is received.


- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select the desired setting.
  - **Flashing** – The color selected from **Key Side** flashes.
  - **Flash FX 1** to **Flash FX 6** – The system automatically cycles through all available key colors for this unit. Select the desired mode.
  - **OFF** – No change in key color made when incoming calls are received.

#### ILLUMI FX (illumination effect mode)

When this mode is enabled, an illumination effect with lights that slowly fade in and out in a set pattern will appear on the display and keys to signify changes.

- 1 Press **M.C.** to turn **ILLUMI FX** on or off.
  - The illumination effect will activate when the ACC power is turned on/off regardless of whether the **ILLUMI FX** setting is on or off.

#### Note

When **Custom** is selected, the customized color saved is selected. 

## Customizing the illumination color

You can create custom illumination colors for both **Key Side** and **Display Side**.

## Using this unit


- 1 Press **M.C.** to display the main menu.
- 2 Turn **M.C.** to display **ILLUMINATION** and press to select.
- 3 Turn **M.C.** to display **Key Side** or **Display Side**. Press to select.
- 4 Press **M.C.** and hold until the customizing illumination color setting appears in the display.
- 5 Press **M.C.** to select the primary color.  
**R** (red)—**G** (green)—**B** (blue)

### 6 Turn **M.C.** to adjust the brightness level.

Adjustment range: **0** to **60**

- You cannot select a level below **20** for all three of **R** (red), **G** (green), and **B** (blue) at the same time.
- You can also perform the same operation on other colors.

#### Note

You cannot create a custom illumination color while **Scan** is selected. 

## About MIXTRAX

MIXTRAX technology is used to insert a variety of sound effects in between songs, allowing you to experience your music as a nonstop mix complete with visual effects.

#### Notes

- Depending on the file/song, sound effects may not be available.
- Turn MIXTRAX off if the visual effects it produces have adverse effects on driving. Refer to *Operations using the MIXTRAX button* on page 11.

## MIXTRAX menu



- 1 Press **M.C.** to display the main menu.
- 2 Turn **M.C.** to change the menu option and press to select **MIXTRAX**.
- 3 Turn **M.C.** to select the **MIXTRAX** function.

Once selected, the following MIXTRAX functions can be adjusted. The function is enabled when MIXTRAX is on.

#### SHORT PLAYBACK (short playback mode)

You can select the length of the playback time.

- ① Press **M.C.** to display the setting mode.
- ② Turn **M.C.** to select the desired setting.
  - 1.0 MIN** (1.0 minute)—**1.5 MIN** (1.5 minutes)—
  - 2.0 MIN** (2.0 minutes)—**2.5 MIN** (2.5 minutes)—
  - 3.0 MIN** (3.0 minutes)—**Random** (random)—**OFF** (off)

#### FLASH AREA (flash area)

You can select areas for flashing colors.

- ① Press **M.C.** to display the setting mode.
- ② Turn **M.C.** to select the desired setting.
  - Key & Display** (key and display)—**KEY SIDE** (key section)—**OFF** (off)
  - When **OFF** is selected, the color set under **ILLUMINATION** is used as the display color.

#### Flashing Colour (flash pattern)



## Using this unit

The flashing color and MIXTRAX special effects display change with changes in the sound and bass levels.

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select the desired setting.
  - **Sound Level Mode Colour 1 to Colour 6** – The flash pattern changes according to the sound level. Select a desired mode.
  - **Low Pass Mode Colour 1 to Colour 6** – The flash pattern changes according to the bass level. Select a desired mode.
  - **Flashing Colour Random** – The flash pattern changes randomly according to the sound level mode and low pass mode.
  - **Sound Level Mode Random** – The flash pattern changes randomly according to the sound level mode.
  - **Low Pass Mode Random** – The flash pattern changes randomly according to the low pass mode.

### DISP EFFECT (display effect)

The MIXTRAX special effects display can be turned on or off.

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select the desired setting.
  - MIXTRAX 1** (MIXTRAX special effects display 1)—
  - MIXTRAX 2** (MIXTRAX special effects display 2)—
  - OFF** (normal display)

### CUT IN EFFECT (manual cut-in effect)

You can turn on or off the MIXTRAX sound effects while manually changing tracks.

- 1 Press **M.C.** to select the desired setting.
  - ON** (on)—**OFF** (off)

### MIX Settings (MIXTRAX settings)

For details, refer to *MIXTRAX settings* on page 25.

### Note

**SHORT PLAYBACK**, **CUT IN EFFECT**, and **MIX Settings** are disabled while the MIXTRAX App is in use with the source set to **App**. The MIXTRAX App settings are given priority over other settings.

### MIXTRAX settings

You can change the settings for fixed sounds and sound effects.

- The fixed sound settings can be changed from **MIX Fixed**.

- The sound effect settings can be changed from any of the following menus: **LOOP EFFECT**, **Flanger EFFECT**, **Echo EFFECT**, **Crush EFFECT**, and **Crossfade EFFECT**.

### 1 Display MIX Settings.

### 2 Press M.C. to display the function menu.

### 3 Turn M.C. to select the function.

Once selected, the following functions can be adjusted.

#### MIX Fixed (MIXTRAX sound effects)

The fixed sounds can be removed from MIXTRAX sound effects.

- 1 Press **M.C.** to select the desired setting.
  - ON** (fixed sounds and sound effects)—**OFF** (sound effects)

#### LOOP EFFECT (loop effect)

The loop effect, which is inserted at the end of each song automatically, can be removed from the sound effect.

- 1 Press **M.C.** to select the desired setting.
  - ON** (on)—**OFF** (off)

#### Flanger EFFECT (flanger effect)

The flanger effect can be removed from the sound effect.

- 1 Press **M.C.** to select the desired setting.
  - ON** (on)—**OFF** (off)

#### Echo EFFECT (echo effect)

The echo effect can be removed from the sound effect.

- 1 Press **M.C.** to select the desired setting.
  - ON** (on)—**OFF** (off)

#### Crush EFFECT (crush effect)

The crush effect can be removed from the sound effect.

- 1 Press **M.C.** to select the desired setting.
  - ON** (on)—**OFF** (off)


#### Crossfade EFFECT (crossfade effect)

The crossfade effect can be removed from the sound effect.

- 1 Press **M.C.** to select the desired setting.
  - ON** (on)—**OFF** (off)

## Using this unit

### Note

**Flanger EFFECT**, **Crush EFFECT** and **Crossfade EFFECT** are not available when **iPod** is selected as the source. 

## System menu



- 1 Press **M.C.** to display the main menu.
- 2 Turn **M.C.** to change the menu option and press to select **SYSTEM**.
- 3 Turn **M.C.** to select the system menu function.

Once selected, the following system menu functions can be adjusted.

### Language select (multi-language)

- 1 Press **M.C.** to select the language.  
**English—Français—Italiano—Español—Deutsch—Nederlands—РУССКИЙ**

### Calendar (setting the date)

- 1 Press **M.C.** to select the segment of the calendar display you wish to set.  
Year—Day—Month
- 2 Turn **M.C.** to set the date.

### Clock Setting (setting the clock)

- 1 Press **M.C.** to select the segment of the clock display you wish to set.  
Hour—Minute—Time notation
- 2 Turn **M.C.** to adjust the clock.

### EngineTime alert (elapsed time display setting)

This setting displays how much time has elapsed since the machine was turned on.

You can set a timer and an alarm.

- 1 Press **M.C.** to select the desired setting.  
**OFF—15Minutes—30Minutes**

### Clock (clock display setting)

You can set the clock to display even if the unit is turned off.

- 1 Press **M.C.** to select the desired setting.  
**ON** (clock display)—**Elapsed time** (elapsed time display)—**OFF** (clock off)

### Auto PI (auto PI seek)

The unit can automatically search for a different station with the same programming, even during preset recall.

- 1 Press **M.C.** to turn Auto PI seek on or off.

### Warning tone (warning tone setting)

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 Press **M.C.** to turn the warning tone on or off.

### AUX (auxiliary input)

Activate this setting when using an auxiliary device connected to this unit.

- 1 Press **M.C.** to turn **AUX** on or off.

### BRIGHTNESS (brightness adjustment)

You can use this setting to adjust the display brightness.

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select the desired setting.  
Adjustment range: **5 to 1**

### Contrast (display contrast setting)

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to adjust the contrast level.  
**0 to 15** is displayed as the level is increased or decreased.

### Ever-scroll (scroll mode setting)

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 Press **M.C.** to turn the ever scroll on or off.

### BT AUDIO (Bluetooth audio activation)

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

- 1 Press **M.C.** to turn the **BT Audio** source on or off.

**Clear memory** (clearing the Bluetooth device data stored on this unit)

## Using this unit

Bluetooth device data stored on this unit can be cleared. To protect your personal information, clear the device memory before you pass the unit on to someone else. The following information will be deleted.

Device list/PIN code/call history/phone book

① Press **M.C.** to show the confirmation display.

**Clear memory YES** is displayed. Clearing memory is now on standby.

If you do not want to clear the Bluetooth device data stored on this unit, turn **M.C.** to display **Cancel** and press it again to select.

② Press **M.C.** to clear the memory.

**Cleared** is displayed and the Bluetooth device data is cleared.

- While this function is in use, do not turn off the engine.

### BT Version Info. (Bluetooth version display)

You can display the system versions of this unit and of Bluetooth module.

### APP CONNECT MODE (APP connect mode setting)

Select an appropriate option for your connected device.

① Press **M.C.** to select the desired setting.

**Wired** (for iPhone)—**Bluetooth** (for smartphone)

- This setting is not available when the source is set to **App**.



## Set up menu

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

**2 Press M.C. to display the main menu.**

**3 Turn M.C. to change the menu option and press to select SETUP.**

**4 Turn M.C. to select the set up menu function.**

Once selected, the following set up menu functions can be adjusted.

### FM step (FM tuning step)

① Press **M.C.** to select the FM tuning step.

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

### S/W control (rear output and subwoofer setting)

This unit's rear output (rear speaker leads output and RCA rear output) can be used for full-range speaker (**Rear SP:F.Range**) or subwoofer (**Rear SP:S/W**) connection. If you switch the rear output setting to **Rear SP:S/W**, you can connect a rear speaker lead directly to a subwoofer without using an auxiliary amp.

① Press **M.C.** to switch the rear output setting.

- When no subwoofer is connected to the rear output, select **Rear SP:F.Range** (full-range speaker).
- When a subwoofer is connected to the rear output, select **Rear SP:S/W** (subwoofer).
- Even if you change this setting, there will be no output unless you turn the subwoofer output on (refer to **Subwoofer1** (subwoofer on/off setting) on page 22).
- If you change this setting, subwoofer output in the audio menu will return to the factory settings.
- Both rear speaker lead outputs and RCA rear output are switched simultaneously in this setting.

### Software Update (updating the software)

This function is used to update this unit with the latest Bluetooth software. For about Bluetooth software and updating, refer to our website.

- Never turn the unit off while the Bluetooth software is being updated.

① Press **M.C.** to start updating.

Follow the on-screen instructions to finish updating the Bluetooth software.



## System menu

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

**2 Press M.C. to display the main menu.**

**3 Turn M.C. to change the menu option and press to select SYSTEM.**


**4 Turn M.C. to select the system menu function.**

For details, refer to *System menu* on page 26.

## Using an AUX source


- 1 Insert the stereo mini plug into the AUX input jack.
- 2 Press SRC/OFF to select AUX as the source.

### Note

AUX cannot be selected unless the auxiliary setting is turned on. For more details, refer to **AUX** (*auxiliary input*) on page 26. 

## If an unwanted display appears

Turn off the unwanted display using the procedures listed below.

- 1 Press M.C. to display the main menu.
- 2 Turn M.C. to change the menu option and press to select SYSTEM.
- 3 Turn M.C. to display DEMO OFF and press to select.
- 4 Turn M.C. to switch to YES.
- 5 Press M.C. to select. 

## Additional information

### Troubleshooting

Symptoms are written in bold and causes in regular, non-indented text. Regular, indented text is used to indicate actions to be taken.

---

#### **The display automatically returns to the ordinary display.**

You did not perform any operation within about 30 seconds.

Perform operation again.

---

#### **The repeat play range changes unexpectedly.**

Depending on the repeat play range, the selected range may change when another folder or track is being selected or during fast forwarding/reversing.

Select the repeat play range again.

---

#### **A subfolder is not played back.**

Subfolders cannot be played when **Folder repeat** (folder repeat) is selected.

Select another repeat play range.

---

#### **NO XXXX appears when a display is changed (NO TITLE, for example).**

There is no embedded text information.

Switch the display or play another track/file.

---

#### **The unit is malfunctioning.**

##### **There is interference.**

You are using a device, such as a cellular phone, that may cause audible interference.

Move electrical devices that may be causing the interference away from the unit.

---

#### **The sound from the Bluetooth audio source is not played back.**

There is a call in progress on a Bluetooth connected cellular phone.

The sound will be played back when the call is terminated.

A Bluetooth connected cellular phone is currently being operated.

Do not use the cellular phone at this time.

A call was made with a Bluetooth connected cellular phone and then immediately terminated. As a result, communication between this unit and the cellular phone was not terminated properly.

Reconnect the Bluetooth connection between this unit and the cellular phone.

---

#### **The Bluetooth device cannot be paired with this unit.**

The information for this unit registered to the Bluetooth device, or that for the Bluetooth device registered to this unit, was deleted somehow.

Delete the information for this unit registered to the Bluetooth device and that for the Bluetooth device registered to this unit, if not deleted already. Then, try pairing the Bluetooth device to this unit again.



### Error messages

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

Error messages are written in bold and causes in regular, non-indented text. Regular, indented text is used to indicate actions to be taken.

#### Common

##### **AMP ERROR**

This unit fails to operate or the speaker connection is incorrect; the protective circuit is activated.

Check the speaker connection. If the message fails to disappear even after the engine is switched off/on, contact your dealer or an authorized Pioneer Service Station for assistance.

---

##### **ERROR**

The device in use does not support voice recognition.

Switch to a device that does support voice recognition.

## Additional information

### CD player

#### **ERROR-07, 11, 12, 17, 30**

The disc is dirty.

Clean the disc.

The disc is scratched.

Replace the disc.

#### **ERROR-10, 11, 12, 15, 17, 30, A0**

There is an electrical or mechanical error.

Turn the ignition switch OFF and back ON, or switch to a different source, then back to the CD player.

#### **ERROR-15**

The inserted disc is blank.

Replace the disc.

#### **ERROR-23**

Unsupported CD format.

Replace the disc.

### FORMAT READ

Sometimes there is a delay between the start of playback and when you start to hear any sound.

Wait until the message disappears and you hear sound.

### NO AUDIO

The inserted disc does not contain any playable files.

Replace the disc.

### SKIPPED

The inserted disc contains DRM protected files.

The protected files are skipped.

### PROTECT

All the files on the inserted disc are embedded with DRM.

Replace the disc.

### External storage device (USB, SD)/iPod

#### **NO DEVICE**

No USB storage device or iPod is connected.

Connect a compatible USB storage device/iPod.

### FORMAT READ

Sometimes there is a delay between the start of playback and when you start to hear any sound.

Wait until the message disappears and you hear sound.

### NO AUDIO

There are no songs.

Transfer the audio files to the USB storage device and connect.

The connected USB storage device has security enabled.

Follow the USB storage device instructions to disable the security.

### SKIPPED

The connected USB storage device contains DRM protected files.

The protected files are skipped.

### PROTECT

All the files on the connected USB storage device are embedded with DRM.

Replace the USB storage device.

### NOT COMPATIBLE

The connected USB device is not supported by this unit.

- Connect a USB Mass Storage Class compliant device.
- Disconnect your device and replace it with a compatible USB storage device.

Non-compatible SD storage device

Remove your device and replace it with a compatible SD storage device.

### CHECK USB

The USB connector or USB cable has short-circuited.

Check that the USB connector or USB cable is not caught in something or damaged.

### CHECK USB

The connected USB storage device consumes more than maximum allowable current.

Disconnect the USB storage device and do not use it. Turn the ignition switch to OFF, then to ACC or ON and then connect only compliant USB storage devices.

## Additional information

### CHECK USB

The iPod operates correctly but does not charge.

Make sure the connection cable for the iPod has not shorted out (e.g., not caught in metal objects). After checking, turn the ignition switch OFF and back ON, or disconnect the iPod and reconnect.

### ERROR-19

Communication failed.

Perform one of the following operations.  
 –Turn the ignition switch OFF and back ON.  
 –Disconnect or eject the external storage device.  
 –Change to a different source.  
 Then, return to the USB or SD source.

iPod failure.

Disconnect the cable from the iPod. Once the iPod's main menu is displayed, reconnect the iPod and reset it.

### ERROR-23

USB storage device was not formatted with FAT12, FAT16 or FAT32.

USB storage device should be formatted with FAT12, FAT16 or FAT32.

### ERROR-60

The database failed to save.

Perform one of the following operations.  
 –Turn the ignition switch OFF and back ON.  
 –Turn the source OFF and then back ON.  
 –Disconnect the USB storage device.

### ERROR-16

The iPod firmware version is old.

Update the iPod version.

iPod failure.

Disconnect the cable from the iPod. Once the iPod's main menu is displayed, reconnect the iPod and reset it.

### STOP

There are no songs in the current list.

Select a list that contains songs.

### Not found

No related songs.

Transfer songs to the iPod.

### Bluetooth device

#### ERROR-10

The power failed for the Bluetooth module of this unit.

Turn the ignition switch OFF and then to ACC or ON.

If the error message is still displayed after performing the above action, please contact your dealer or an authorized Pioneer Service Station.

### Application

**No BT device. Go to BT MENU to register.**

No Bluetooth device found.

Follow the instructions that appear on the screen.

**BT error. Press BAND key to retry.**

Bluetooth connection failed.

Follow the instructions that appear on the screen.

**Check your App. Press BAND key to retry.**

Connection to the application failed.

Follow the instructions that appear on the screen.

**Start up and play your Application.**

The application has not started running yet.

Follow the instructions that appear on the screen.



## Additional information

### Handling guidelines

#### Discs and player

Use only discs that feature either of the following two logos.



Use 12-cm discs.

Use only conventional, fully circular discs.

The following types of discs cannot be used with this unit:

- DualDiscs
- 8-cm discs: Attempts to use such discs with an adapter may cause the unit to malfunction.
- Oddly shaped discs



- Discs other than CDs
- Damaged discs, including discs that are cracked, chipped or warped
- CD-R/RW discs that have not been finalized

Do not touch the recorded surface of the discs.

Store discs in their cases when not in use.

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. Let it rest for about one hour to adjust to a warmer temperature. Also, wipe any damp discs off 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.

Road shocks may interrupt disc playback.

When using discs that can be printed on label surfaces, check the instructions and the warnings of the discs. Depending on the discs, inserting and ejecting may not be possible. Using such discs may result in damage to this equipment.

Do not attach commercially available labels or other materials to the discs.

- The discs may warp making the disc unplayable.
- The labels may come off during playback and prevent ejection of the discs, which may result in damage to the equipment.

#### External storage device (USB, SD)

Do not leave the external storage device (USB, SD) in places with high temperatures.

Depending on the external storage device (USB, SD), the following problems may occur.

- Operations may vary.
- The storage device may not be recognized.
- Files may not be played back properly.

#### USB storage device

Connections via USB hub are not supported.

Do not connect anything other than a USB storage device.

Firmly secure the USB storage device when driving. Do not let the USB storage device fall onto the floor, where it may become jammed under the brake or accelerator pedal.

Depending on the USB storage device, the following problems may occur.

- The device may cause audible interference when you are listening to the radio.

#### SD memory card

This unit supports only the following types of SD memory cards.

- SD
- miniSD
- microSD
- SDHC

Keep the SD memory card out of the reach of children. Should the SD memory card be swallowed, consult a doctor immediately.

Do not touch the connectors of the SD memory card directly with your fingers or with any metal device.



## Additional information

Do not insert anything other than an SD memory card into the SD card slot. If a metal object (such as a coin) is inserted into the slot, the internal circuits may break and cause malfunctions.

When inserting a miniSD or microSD, use an adapter. Do not use an adapter which has metal parts other than the connectors exposed.

Do not insert a damaged SD memory card (e.g. warped, label peeled off) as it may not be ejected from the slot.

Do not try to force an SD memory card into the SD card slot as the card or this unit may be damaged.

When ejecting an SD memory card, press it and hold it until it clicks. Take care not to release your finger immediately after you press on the card as the card may shoot out of the slot and cause damage or injury. If the card shoots out of the slot, it may become lost.

### iPod


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.

About iPod settings

- When an iPod is connected, this unit changes the EQ (equalizer) setting of the iPod to off in order to optimize the acoustics. When you disconnect the iPod, the EQ returns to the original setting.
- You cannot set Repeat to off on the iPod when using this unit. Repeat is automatically changed to All when the iPod is connected to this unit.

Incompatible text saved on the iPod will not be displayed by the unit.

### CAUTION

Do not leave the discs/external storage device (USB, SD) or iPod in places with high temperatures. 

## Compressed audio compatibility (disc, USB, SD)

### WMA

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 Professional, Lossless, Voice/DRM Stream/Stream with video: Not compatible

### MP3

File extension: .mp3

Bit rate: 8 kbps to 320 kbps (CBR), VBR

Sampling frequency: 8 kHz to 48 kHz (32 kHz, 44.1 kHz, 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 over Version 1.x.)

M3u playlist: Not compatible

MP3i (MP3 interactive), mp3 PRO: Not compatible

### WAV

File extension: .wav

Quantization bits: 8 and 16 (LPCM), 4 (MS ADPCM)

Sampling frequency: 16 kHz to 48 kHz (LPCM), 22.05 kHz and 44.1 kHz (MS ADPCM)

- You cannot use this function with **USB MTP**.

### AAC

Compatible format: AAC encoded by iTunes

File extension: .m4a

Sampling frequency: 11.025 kHz to 48 kHz

Transmission rate: 16 kbps to 320 kbps, VBR

Apple Lossless: Not compatible

AAC file bought from the iTunes Store (.m4p file extension): Not compatible

### Supplemental information

Only the first 32 characters can be displayed as a file name (including the file extension) or a folder name.

This unit may not work properly depending on the application used to encode WMA files.

## Additional information

There may be a slight delay at the start of playback of audio files embedded with image data or audio files stored on a USB storage device that has numerous folder hierarchies.

Russian text to be displayed on this unit should be encoded in one of the following character sets:

- Unicode (UTF-8, UTF-16)
- A character set other than Unicode that is used in a Windows environment and is set to Russian in the multi-language setting

### Disc

Playable folder hierarchy: up to eight tiers (A practical hierarchy is less than two tiers.)

Playable folders: up to 99

Playable files: up to 999

File system: ISO 9660 Level 1 and 2, Romeo, Joliet

Multi-session playback: Compatible

Packet write data transfer: Not compatible

Regardless of the length of blank sections between the songs from the original recording, compressed audio discs play with a short pause between songs.

### External storage device (USB, SD)

Playable folder hierarchy: up to eight tiers (A practical hierarchy is less than two tiers.)

Playable folders: up to 1 500

Playable files: up to 15 000

Playback of copyright-protected files: Not compatible

Partitioned external storage device (USB, SD): Only the first playable partition can be played.

There may be a slight delay when starting playback of audio files on a USB storage device with numerous folder hierarchies.


### SD memory card

There is no compatibility for Multi Media Cards (MMC).

Compatibility with all SD memory cards is not guaranteed.

This unit is not compatible with SD-Audio.

### CAUTION

- Pioneer accepts no responsibility for data lost on USB memory/USB portable audio players/SD memory cards/SDHC memory cards, even if that data is lost while this unit is used.
- Pioneer cannot guarantee compatibility with all USB mass storage devices and assumes no responsibility for any loss of data on media players, smart phones, or other devices while using this product. 

## iPod compatibility

This unit supports only the following iPod models.

Made for

- iPod touch (5th generation)
- iPod touch (4th generation)
- iPod touch (3rd generation)
- iPod touch (2nd generation)
- iPod touch (1st generation)
- iPod classic
- iPod with video
- iPod nano (7th generation)
- iPod nano (6th generation)
- iPod nano (5th generation)
- iPod nano (4th generation)
- iPod nano (3rd generation)
- iPod nano (2nd generation)
- iPod nano (1st generation)
- iPhone 5
- iPhone 4S
- iPhone 4
- iPhone 3GS
- iPhone 3G
- iPhone

Depending on the generation or version of the iPod, some functions may not be available.

Operations may vary depending on the software version of iPod.

Users of iPod with the Lightning Connector should use the Lightning to USB Cable (supplied with iPod).

Users of iPod with the Dock Connector should use CD-UI51. For details, consult your dealer.

## Additional information

About the file/format compatibility, refer to the iPod manuals.

Audiobook, Podcast: Compatible

### **CAUTION**

Pioneer accepts no responsibility for data lost on the iPod, even if that data is lost while this unit is used.

### About iTunes tagging


This function can be performed with the following iPod models.

- iPod touch 5th generation
- iPod touch 4th generation
- iPod touch 3rd generation
- iPod touch 2nd generation
- iPod touch 1st generation
- iPod classic 160GB
- iPod classic 120GB
- iPod classic
- iPod nano 7th generation
- iPod nano 6th generation
- iPod nano 5th generation
- iPod nano 4th generation
- iPod nano 3rd generation
- iPhone 5
- iPhone 4S
- iPhone 4
- iPhone 3GS
- iPhone 3G
- iPhone

The song information (tag) can be saved from the broadcasting station to your iPod. The songs will show up in a playlist called "Tagged playlist" in iTunes the next time you sync your iPod. Then you can directly buy the songs you want from the iTunes Store.

The tagged songs and the song that you can buy from the iTunes Store may be different.

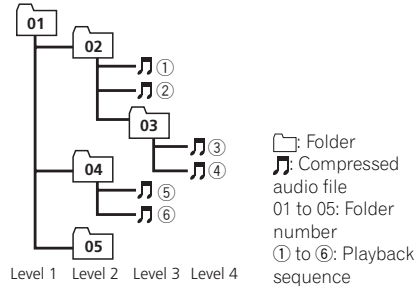
Make sure to confirm the song before you make the purchase.

If you cannot use this function normally, update your iPod firmware. 

### Sequence of audio files

The user cannot assign folder numbers and specify playback sequences with this unit.

#### Example of a hierarchy



#### Disc

Folder selection sequence or other operation may differ depending on the encoding or writing software.


#### External storage device (USB, SD)

The playback sequence is the same as the recorded sequence in the external storage device (USB, SD).

To specify the playback sequence, the following method is recommended.

- ① Create a file name that includes numbers that specify the playback sequence (e.g., 001xxx.mp3 and 099yyy.mp3).
- ② Put those files into a folder.
- ③ Save the folder that contains the files to the external storage device (USB, SD).

However, depending on the system environment, you may not be able to specify the playback sequence.

For USB portable audio players, the sequence is different and depends on the player. 

### Bluetooth profiles

In order to use Bluetooth wireless technology, devices must be able to interpret certain profiles. This unit is compatible with the following profiles.

- GAP (Generic Access Profile)
- OPP (Object Push Profile)

## Additional information

- HFP (Hands Free Profile) 1.5
- PBAP (Phone Book Access Profile)
- A2DP (Advanced Audio Distribution Profile)
- AVRCP (Audio/Video Remote Control Profile) 1.3
- SPP (Serial Port Profile) 1.1

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### Android™

Android is a trademark of Google Inc.

### MIXTRAX

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## Additional information

### Specifications

#### General

Power source .....	14.4 V DC (10.8 V to 15.1 V allowable)
Grounding system .....	Negative type
Maximum current consumption .....	10.0 A
Dimensions (W × H × D): DIN	
Chassis .....	178 mm × 50 mm × 165 mm
Nose .....	188 mm × 58 mm × 17 mm (DEH-X9600BT)
Nose .....	188 mm × 58 mm × 18 mm (DEH-X8600BT)
D	
Chassis .....	178 mm × 50 mm × 165 mm
Nose .....	170 mm × 46 mm × 17 mm (DEH-X9600BT)
Nose .....	170 mm × 46 mm × 18 mm (DEH-X8600BT)
Weight .....	1.1 kg

#### Audio

Maximum power output .....	50 W × 4 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 maximum output level .....	4.0 V
Equalizer (5-Band Graphic Equalizer):	
Frequency .....	100 Hz/315 Hz/1.25 kHz/ 3.15 kHz/8 kHz
Gain .....	±12 dB
HPF:	
Frequency .....	50 Hz/63 Hz/80 Hz/100 Hz/ 125 Hz
Slope .....	-12 dB/oct
Subwoofer (mono):	
Frequency .....	50 Hz/63 Hz/80 Hz/100 Hz/ 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, 12 (2 ch audio) (Windows Media Player)
AAC decoding format .....	MPEG-4 AAC (iTunes encoded only) (.m4a) (Ver. 10.7 and earlier)
WAV signal format .....	Linear PCM & MS ADPCM (Non-compressed)

#### USB

USB standard specification .....	USB 2.0 full speed
Maximum current supply ...	1 A
USB Class .....	MSC (Mass Storage Class)
File system .....	FAT12, FAT16, FAT32
MP3 decoding format .....	MPEG-1 & 2 Audio Layer 3
WMA decoding format .....	Ver. 7, 7.1, 8, 9, 10, 11, 12 (2 ch audio) (Windows Media Player)
AAC decoding format .....	MPEG-4 AAC (iTunes encoded only) (.m4a) (Ver. 10.7 and earlier)
WAV signal format .....	Linear PCM & MS ADPCM (Non-compressed)

#### SD

Compatible physical format .....	Version 2.00
Maximum memory capacity .....	32 GB (for SD and SDHC)
File system .....	FAT12, FAT16, FAT32
MP3 decoding format .....	MPEG-1 & 2 Audio Layer 3
WMA decoding format .....	Ver. 7, 7.1, 8, 9, 10, 11, 12 (2 ch audio) (Windows Media Player)
AAC decoding format .....	MPEG-4 AAC (iTunes encoded only) (.m4a) (Ver. 10.7 and earlier)
WAV signal format .....	Linear PCM & MS ADPCM (Non-compressed)

#### FM tuner

Frequency range .....	87.5 MHz to 108.0 MHz
Usable sensitivity .....	9 dBf (0.8 μV/75 Ω, mono, S/N: 30 dB)
Signal-to-noise ratio .....	72 dB (IEC-A network)

## Additional information

### MW tuner

Frequency range ..... 531 kHz to 1 602 kHz  
Usable sensitivity .....  $25\ \mu\text{V}$  (S/N: 20 dB)  
Signal-to-noise ratio ..... 62 dB (IEC-A network)

### LW tuner

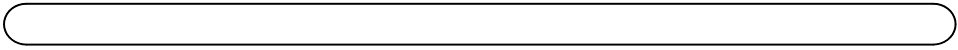
Frequency range ..... 153 kHz to 281 kHz  
Usable sensitivity .....  $28\ \mu\text{V}$  (S/N: 20 dB)  
Signal-to-noise ratio ..... 62 dB (IEC-A network)

### Bluetooth

Version ..... Bluetooth 3.0 certified  
Output power ..... +4 dBm Maximum  
(Power class 2)

### Note

Specifications and the design are subject to modifications without notice.



<http://www.pioneer.eu>

Visit [www.pioneer.co.uk](http://www.pioneer.co.uk) (or [www.pioneer.eu](http://www.pioneer.eu)) to register your product.

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