

CD RDS RECEIVER

**Pioneer**



**DEH-X6690BT**  
**DEH-X4690BT**

Owner's Manual

## Before you start

### 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 **WARNINGS** and **CAUTIONS** in this manual. *Please keep the manual in a safe and accessible place for future reference.*

### About this unit

#### ⚠ 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.
- 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

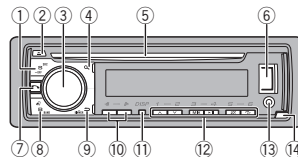
### If you experience problems

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

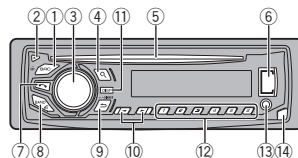
## Using this unit

### Head unit

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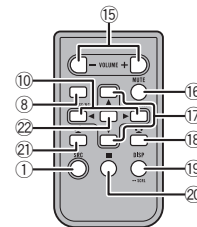


- |   |                                     |
|---|-------------------------------------|
| ① | SRC/OFF                             |
| ② | ▲ (eject)                           |
| ③ | MULTI-CONTROL (M.C.)                |
| ④ | Q (list)                            |
| ⑤ | Disc loading slot                   |
| ⑥ | USB port                            |
| ⑦ | ☎ (phone)                           |
| ⑧ | BAND/Ⓜ (iPod control)               |
| ⑨ | ↩ (back)/DIMMER (dimmer)            |
| ⑩ | ◀▶                                  |
| ⑪ | DISP/DISP OFF                       |
| ⑫ | 1/▲ to 6/↶                          |
| ⑬ | AUX input jack (3.5 mm stereo jack) |
| ⑭ | Detach button                       |

#### ⚠ CAUTION


Use an optional Pioneer USB cable (CD-U50E) to connect the USB storage device as any device connected directly to the unit will protrude out from the unit, which could be dangerous.

### Remote control



- |     |           |   |
|-----|-----------|---|
| ⑮   | VOLUME    | Press to increase or decrease volume.   |
| ⑯   | MUTE      | Press to mute. Press again to unmute.   |
| ▲/▼ |           |   |
| ⑰   |           | Press to recall preset stations.<br>Press to select the next/previous folder.                 |
| ⏪   |           |   |
| ⑱   |           | Press to end a call, reject an incoming call, or reject a call waiting while on another call. |
|     | DISP/SCRL |   |
| ⑲   |           | Press to select different displays.<br>Press and hold to turn dimmer on or off.               |
|     | II        |   |
| ⑳   |           | Press to pause or resume playback.  |

## Using this unit

-  Press to start talking to the caller while using the phone.

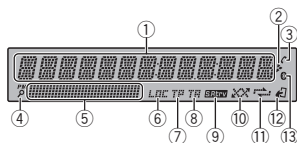
### LIST/ENTER

Press to display the list depending on the source.

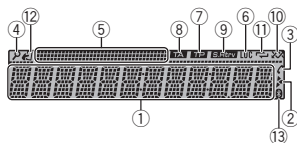
- While in the operating menu, press to control functions.

## Display indication

DEH-X6690BT



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Main information section

- Tuner: band and frequency
- RDS: program service name, PTY information and other literal information
- CD player, USB storage device and iPod: elapsed playback time and text information

- Appears when a lower tier of folder or menu exists.

- (auto answer)  
Shows when the automatic answering function is on.

- (list)  
Sub information section  
LOC (local seek tuning)  
TP (traffic program identification)  
TA (traffic announcements)  
SERV (sound retriever)  
X (random/shuffle)  
(repeat)

- (iPod control)  
This unit's iPod function is operated from your iPod.  
(Bluetooth indicator)

## 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.

## Using this unit

### CLOCK SET (setting the clock)

- Turn M.C. to adjust hour.
- Press M.C. to select minute.
- Turn M.C. to adjust minute.
- Press M.C. to confirm the selection.

### FM STEP (FM tuning step)

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

- Turn M.C. to select the FM tuning step.
  - The manual tuning step is fixed at 50 kHz.
- Press M.C. to confirm the selection.

### MW STEP (MW tuning step)

Use MW STEP to set MW tuning step options (seek step and manual tuning step settings).

- Turn M.C. to select the MW tuning step.
  - 9 (9 kHz)—10 (10 kHz)
- 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 initial menu. For details about the settings, refer to *System menu* on page 12 and *Initial menu* on page 13.
- You can cancel set up menu by pressing SRC/OFF.

## Basic operations

### 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.

Removing the front panel

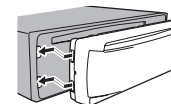
- Press the detach button to release the front panel.
- Push the front panel upward (I) and then pull it toward (II) you.



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

Re-attaching the front panel

- Slide the front panel to the left.



- 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.

Turning the unit on

- Press SRC/OFF to turn the unit on.

## Using this unit

Turning the unit off

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

Selecting a source

- Press **SRC/OFF** to cycle between:
    - RADIO—CD—USB/iPod—APP** (application)—**AUX—BT AUDIO**
- USB MTP** displays while the MTP connection is in use.

Adjusting the volume

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

### Note

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.

## Use and care of the remote control

Using the remote control

- Point the remote control in the direction of the front panel to operate.  
When using for the first time, pull out the film protruding from the tray.

Replacing the battery

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



### WARNING

- Keep the battery out of the reach of children. Should the battery be swallowed, consult a doctor immediately.
- Batteries (battery pack or batteries installed) must not be exposed to excessive heat such as sunshine, fire or the like.

### CAUTION

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

### Important

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

## Using this unit

## Frequently used menu operations

Returning to the previous display

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

- Press **⇨**/**DIMMER**.

Returning to the ordinary display

Canceling the main menu

- Press **BAND**/**↵**.

Returning to the ordinary display from the list

- Press **BAND**/**↵**.

## Radio

### Basic operations

Selecting a band

- Press **BAND**/**↵** until the desired band (**FM1**, **FM2**, **FM3** for FM, **MW** or **SW1**, **SW2** for short-wave) is displayed.

Switching preset stations

- Press **◀** or **▶**.
  - Select **PCH** (preset channel) under **SEEK** to use this function.
  - Use the **▲** and **▼** on the remote control to switch between preset stations.

Manual tuning (step by step)

- Press **◀** or **▶**.
  - Select **MAN** (manual tuning) under **SEEK** to use this function.

Seeking

- Press and hold **◀** or **▶**, and then release.  
You can cancel seek tuning by briefly pressing **◀** or **▶**.  
While pressing and holding **◀** or **▶**, you can skip stations. Seek tuning starts as soon as you release **◀** or **▶**.

### Notes

- For details about **SEEK**, refer to **SEEK** (*left/right key setting*) on page 5.
- This unit's AF (alternative frequencies search) function can be turned on and off. AF should be off for normal tuning operation (refer to **AF** (*alternative frequencies search*) on page 5).

## Storing and recalling stations for each band

### Using preset tuning buttons

**1 To store:** Press and hold down one of the preset tuning buttons (**1/▲** to **6/↵**) until the number stops flashing.

**2 To recall:** Press one of the preset tuning buttons (**1/▲** to **6/↵**).

## Switching the display

Selecting the desired text information

- Press **DISP/DISP OFF** to cycle between the following:
  - FREQUENCY** (program service name or frequency)
  - BRDCST INFO** (program service name/PTY information)
  - CLOCK** (source name and clock)

### Notes

- If the program service name cannot be acquired in **FREQUENCY**, 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.
- Text information items that can be changed depend on the area.

## Using this unit

### Using PTY functions

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

Searching for an RDS station by PTY information

- 1 Press **Q** (list).
- 2 Turn **M.C.** to select a program type.  
**NEWS/INFO—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.

### 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**, **SW1** or **SW2** is selected, only **BSM**, **LOCAL** and **SEEK** are available.

#### 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 AF 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 select the desired setting.  
FM: **OFF—LV1—LV2—LV3—LV4**  
MW/shortwave: **OFF—LV1—LV2**  
The highest level setting allows reception of only the strongest stations, while lower levels allow the reception of weaker stations.

#### TA (traffic announcement standby)

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

#### AF (alternative frequencies search)

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

#### NEWS (news program interruption)

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

#### SEEK (left/right key setting)

You can assign a function to the left and right keys of the unit.

Select **MAN** (manual tuning) to tune up or down manually or select **PCH** (preset channel) to switch between preset channels.

- 1 Press **M.C.** to select **MAN** or **PCH**.

## Using this unit

### CD/CD-R/CD-RW and USB storage 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.

#### Notes

- This function is not compatible with MIX-TRAX.
- This function is not compatible with WAV.

### Basic operations

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 **▲**.

Playing songs on a USB storage device

- 1 Open the USB port cover.
- 2 Plug in the USB storage device using a USB cable.

Stopping playback of files on a USB storage device

- 1 You may disconnect the USB storage device at any time.

Selecting a folder

- 1 Press **1/▲** or **2/▼**.

Selecting a track

- 1 Press **◀** or **▶**.

Fast forwarding or reversing

- 1 Press and hold **◀** or **▶**.
  - 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.

#### Note

Disconnect USB storage devices from the unit when not in use.

### Operations using the MIXTRAX button

Turning MIXTRAX on or off

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

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

- 1 Press **3/MIX** to turn MIXTRAX on or off.
  - For more details about MIXTRAX, refer to *About MIXTRAX* on page 13.
  - When MIXTRAX is in use, the sound retriever function is disabled.

## Using this unit

## Switching the display

Selecting the desired text information

- 1 Press **DISP/DISP OFF** to cycle between the following:

**CD-DA**

- **ELAPSED TIME** (track number and playback time)
- **CLOCK** (source name and clock)
- **SPEANA** (spectrum analyzer)

**CD-TEXT**

- **TRACK INFO** (track title/track artist/disc title)
- **ELAPSED TIME** (track number and playback time)
- **CLOCK** (source name and clock)
- **SPEANA** (spectrum analyzer)

**MP3/WMA/WAV**

- **TRACK INFO** (track title/artist name/album title)
- **FILE INFO** (file name/folder name)
- **ELAPSED TIME** (track number and playback time)
- **CLOCK** (source name and clock)
- **SPEANA** (spectrum analyzer)

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

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

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

Selecting a file or folder

- 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.**

## Operations using special buttons

Selecting a repeat play range

- 1 Press **6/↔** to cycle between the following:

**CD/CD-R/CD-RW**

- **ALL** – Repeat all tracks
- **ONE** – Repeat the current track
- **FLD** – Repeat the current folder

**USB storage device**

- **ALL** – Repeat all files
- **ONE** – Repeat the current file
- **FLD** – Repeat the current folder

Playing tracks in random order

- 1 Press **5/⌘** to turn random play on or off. Tracks in a selected repeat range are played in random order.
- To change songs during random play, press **▶** to switch to the next track. Pressing **◀** restarts playback of the current track from the beginning of the song.

Pausing playback

- 1 Press **4/PAUSE** to pause or resume.

## 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**.

Once selected, the function below can be adjusted.

- **S.RTRV** is not available when MIXTRAX is turned on.

## Using this unit

**S.RTRV** (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

Playing songs on an iPod

- 1 Open the USB port cover.  
2 Connect an iPod to USB input. Playback is performed automatically.

Selecting a song (chapter)

- 1 Press **◀** or **▶**.

Selecting an album

- 1 Press **1/▲** or **2/▼**.

Fast forwarding or reversing

- 1 Press and hold **◀** or **▶**.

## Notes

- The iPod cannot be turned on or off when the control mode is set to **CONTROL AUDIO/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 **3/MIX** to turn MIXTRAX on or off.
- For more details about MIXTRAX, refer to *About MIXTRAX* on page 13.

## Switching the display

Selecting the desired text information

- 1 Press **DISP/DISP OFF** to cycle between the following:

- **TRACK INFO** (track title/artist name/album title)
- **ELAPSED TIME** (track number and playback time)
- **CLOCK** (source name and clock)
- **SPEANA** (spectrum analyzer)

## Browsing for a song

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

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

Changing the name of the song or category

- 1 Turn **M.C.**  
Playlists—artists—albums—songs—podcasts  
—genres—composers—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.**

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.
- You also can switch to alphabet search mode by turning **M.C.** twice.
- 2 Turn **M.C.** to select a letter.  
3 Press **M.C.** to display the alphabetical list.
- To cancel searching, press **⇨DIMMER**.


## Using this unit

### Operations using special buttons


Selecting a repeat play range

- 1 Press **6**  to cycle between the following:
  - **ONE** – Repeat the current song
  - **ALL** – Repeat all songs in the selected list
- When the control mode is set to **CONTROL iPod/CTRL iPod**, the repeat play range will be same as what is set for the connected iPod.

Selecting a random play range (shuffle)

- 1 Press **5**  to cycle between the following:
  - **SNG** – Play back songs in the selected list in random order.
  - **ALB** – Play back songs from a randomly selected album in order.
  - **OFF** – Not play back in random order.

Playing all songs in random order (shuffle all)

- 1 Press and hold **5**  to turn shuffle all on.
- To turn off shuffle all, select **OFF** in shuffle. For details, refer to *Selecting a random play range (shuffle)* on page 7.

Pausing playback

- 1 Press **4** **PAUSE** to pause or resume.

### 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 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.

**CONTROL iPod/CTRL iPod** is not compatible with the following iPod models.

- iPod nano 1st generation
- iPod with video

#### ● Press **BAND/Ⓛ** to switch the control mode.

- **CONTROL iPod/CTRL iPod** – This unit's iPod function can be operated from the connected iPod.
- **CONTROL AUDIO/CTRL AUDIO** – This unit's iPod function can be controlled by using this unit.

#### Notes

- Switching the control mode to **CONTROL iPod/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 **CONTROL iPod/CTRL iPod**.
  - Pausing
  - Fast forward/reverse
  - Selecting a song (chapter)
- The volume can only be adjusted from this unit.

## 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.

- **AUDIO BOOK** is not available when **CONTROL iPod/CTRL iPod** is selected in the control mode. For details, refer to *Using this unit's iPod function from your iPod* on page 7.

#### AUDIO BOOK (audiobook speed)

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select your favorite setting.
  - **FASTER** – Playback at a speed faster than normal
  - **NORMAL** – Playback at normal speed
  - **SLOWER** – Playback at a speed slower than normal

#### S.RTRV (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.

#### 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.

## Using this unit

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 input.
- 2 Select **WIRED** in **APP CONN. SET**. For details, refer to **APP CONN. SET (APP connect mode setting)** on page 12.
- 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 9.
- 2 Select **BLUETOOTH** in **APP CONN. SET**. For details, refer to **APP CONN. SET (APP connect mode setting)** on page 12.
- 3 Switch the source to **APP**.
- 4 Start up the application on the smartphone and initiate playback.

### Basic operations

Selecting a track [1] Press ◀ or ▶.
Fast forwarding or reversing [1] Press and hold ◀ or ▶.
Pausing playback [1] Press <b>BAND/⏸</b> to pause or resume.

### Switching the display

Selecting the desired text information [1] Press <b>DISP/DISP OFF</b> to cycle between the following: <ul style="list-style-type: none"> <li>• <b>TRACK INFO</b> (track title/artist name/album title)</li> <li>• <b>APP NAME</b> (application name)</li> <li>• <b>ELAPSED TIME</b> (playback time)</li> <li>• <b>CLOCK</b> (source name and clock)</li> <li>• <b>SPEANA</b> (spectrum analyzer)</li> </ul>
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### 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.

<b>PAUSE</b> (pause) [1] Press <b>M.C.</b> to pause or resume.
<b>S.RTRV</b> (sound retriever) [1] Press <b>M.C.</b> to select the desired setting. 1—2— <b>OFF</b> (off) 1 is effective for low compression rates, and 2 is effective for high compression rates.

## Using this unit

### 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 <i>Connection menu operation</i> on page 9.
[2] Function settings Use the Bluetooth telephone function menu. Refer to <i>Phone menu operation</i> on page 10.


### Basic operations

Making a phone call [1] Refer to <i>Phone menu operation</i> on page 10.
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  .
Answering a call waiting [1] When a call is received, press  .

Switching between callers on hold

[1] Press **M.C.**

Canceling call waiting

[1] Press and hold .

Adjusting the other party's listening volume

[1] Press ◀ or ▶ while talking on the phone.

- When private mode is on, this function is not available.

Turning private mode on or off

[1] Press **BAND/⏸** while talking on the phone.

### Note

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

### Storing and recalling phone numbers

- 1 To store: Press and hold down one of the preset tuning buttons (1/∧ to 6/↔).

The functions below can be used to store phone numbers to the memory. For details, refer to *Phone menu operation* on page 10.

- **MISSED** (missed call history)
- **DIALLED** (dialed call history)
- **RECEIVED** (received call history)
- **PHONE BOOK** (phone book)

- 2 To recall: Press one of the preset tuning buttons (1/∧ to 6/↔).

- 3 Press **M.C.** to make a call.

### Switching the display

Selecting the desired text information

You can change the display during a call.

[1] Press **DISP/DISP OFF** to cycle between the following:

- Call time
- Name of other party
- Number of other party

## Using this unit

### 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.

**DEVICELIST** (connecting or disconnecting a device from the device list)

- 1 Press **M.C.** to display the setting mode.
- 2 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.
- 3 Press **M.C.** to connect/disconnect the selected device.
 

If the connection is established, \* is indicated on the device name.

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

**DEL DEVICE** (deleting a device from the device list)

- 1 Press **M.C.** to display the setting mode.
- 2 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.
- 3 Press **M.C.** to display **DELETE YES**.
- 4 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**) and enter the PIN code on your device.
  - 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.

**A. CONN** (connecting to a Bluetooth device automatically)

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

**VISIBLE** (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** (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.

**DEV. INFO** (Bluetooth device address display)

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to display the device information.
 

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 **DEL DEVICE** screen automatically and prompt you to delete a device. For details, refer to **DEL DEVICE** (*deleting a device from the device list*) on page 9.

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

**A. 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.

## Using this unit

## 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** (missed call history)  
**DIALLED** (dialed call history)  
**RECEIVED** (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.

**PHONE BOOK** (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 **VISIBLE** (*setting the visibility of this unit*) on page 9.

- 1 Press **M.C.** to display **SEARCH** (alphabetical list).
- 2 Turn **M.C.** to select the first letter of the name you are looking for.
- 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.

**PRESET1-6** (preset phone numbers)

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select the desired preset number.
- 3 Press **M.C.** to make a call.
  - You can also use the preset number buttons 1/ ^ to 6/ → to recall a preset phone number. For more details about storing phone numbers, refer to *Storing and recalling phone numbers* on page 8.

**PHONE FUNC** (phone function)

You can set **A. ANSR R.TONE** and **PB INVT** from this menu. For details, refer to *Function and operation* on page 10.

## Function and operation

1 Display **PHONE FUNC**.

Refer to **PHONE FUNC** (*phone function*) on page 10.

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.

**A. ANSR** (automatic answering)

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

**R.TONE** (ring tone select)

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

**PB INVT** (phone book name view)

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

## Using this unit

## 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 9.

## Basic operations

Fast forwarding or reversing

- 1 Press and hold  or .

Selecting a track

- 1 Press  or .

Starting playback

- 1 Press **BAND**/.

## Switching the display

Selecting the desired text information

- 1 Press **DISP/DISP OFF** to cycle between the following:
  - **DEVICE INFO** (device name)
  - **TRACK INFO** (track title/artist name/album title)
  - **ELAPSED TIME** (track number and playback time)
  - **CLOCK** (source name and clock)
  - **SPEANA** (spectrum analyzer)

## Using this unit

### Operations using special buttons

Selecting a repeat play range

- Press **6** (↔) to select a repeat play range from one or all.
  - 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.

Playing tracks in random order

- Press **5** (∞) to turn random play on or off.
  - The random play range varies depending on the Bluetooth audio player in use.

Pausing playback

- Press **4** (PAUSE) to pause or resume.

### 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)

- Press **M.C.** to start playback.

##### STOP (stop)

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

##### S.RTRV (sound retriever)

- 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.

- FADER** is not available when **SUB.W/SUB.W** is selected in **SP-P/O MODE**. For details, refer to **SP-P/O MODE** (rear output and preout setting) on page 14.
- SUB.W** and **SUB.W CTRL** are not available when **REAR/REAR** is selected in **SP-P/O MODE**. For details, refer to **SP-P/O MODE** (rear output and preout setting) on page 14.
- SUB.W CTRL** is not available when **SUB.W** is selected in **OFF**. For details, refer to **SUB.W** (subwoofer on/off setting) on page 11.
- SLA** is not available when FM is selected as the source.

##### FADER (fader adjustment)

- Press **M.C.** to display the setting mode.
- Turn **M.C.** to adjust the front/rear speaker balance.

##### BALANCE (balance adjustment)

- Press **M.C.** to display the setting mode.
- Turn **M.C.** to adjust the left/right speaker balance.

##### EQ SETTING (equalizer recall)

## Using this unit

- Press **M.C.** to display the setting mode.

- Turn **M.C.** to select the equalizer.

##### POWERFUL—NATURAL—VOCAL—CUSTOM1—CUSTOM2—FLAT—SUPER BASS

The equalizer band and equalizer level can be customized when **CUSTOM1** or **CUSTOM2** is selected.

If selecting **CUSTOM1** or **CUSTOM2**, complete the procedures outlined below. If selecting other options, press **M.C.** to return to the previous display.

- CUSTOM1** can be set separately for each source. However, each of the below combinations are set to the same setting automatically.
  - USB, iPod** and **APP** (iPhone)
  - BT AUDIO** and **APP** (smartphone)
- CUSTOM2** is a shared setting used in common for all sources.

- Press **M.C.** to display the setting mode.

- Press **M.C.** to cycle between the following: Equalizer band—Equalizer level

- Turn **M.C.** to select the desired setting. Equalizer band: **80HZ—250HZ—800HZ—2.5KHZ—8KHZ**  
Equalizer level: **+6 to -6**

##### LOUDNESS (loudness)

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

- Press **M.C.** to select the desired setting. **OFF** (off)—**LOW** (low)—**MID** (mid)—**HI** (high)

##### SUB.W (subwoofer on/off setting)

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

- Press **M.C.** to select the desired setting. **NOR** (normal phase)—**REV** (reverse phase)—**OFF** (subwoofer off)

##### SUB.W CTRL (subwoofer adjustment)

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

- Press **M.C.** to display the setting mode.
- Press **M.C.** to cycle between the following: Cut-off frequency—Output level—Slope level Rates that can be adjusted will flash.
- Turn **M.C.** to select the desired setting. Cut-off frequency: **50HZ—63HZ—80HZ—100HZ—125HZ—160HZ—200HZ**  
Output level: **-24 to +6**  
Slope level: **-12—-24**

##### BASS BOOST (bass boost)

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

##### HPF SETTING (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.

- Press **M.C.** to display the setting mode.
- Press **M.C.** to cycle between the following: Cut-off frequency—Slope level
- Turn **M.C.** to select the desired setting. Cut-off frequency: **OFF—50HZ—63HZ—80HZ—100HZ—125HZ—160HZ—200HZ**  
Slope level: **-12—-24**

## Using this unit

### 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 volume level can also be adjusted with this function.
- Each of the below combinations are set to the same setting automatically.
  - **USB iPod** 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**

## 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.

- **INFO DISPLAY** and **BRIGHTNESS** are not available for DEH-X4690BT.

### CLOCK SET (setting the clock)

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

### 12H/24H (time notation)

- 1 Press **M.C.** to select the desired setting. **12H** (12-hour clock)—**24H** (24-hour clock)

### INFO DISPLAY (sub information)

The type of text information displayed in the sub information section can be toggled.

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select the desired setting. **SPEANA—LEVEL METER—SOURCE—CLOCK—OFF**
  - The signal bar indicator displays for **SPEANA** or **LEVEL METER** when the source is set to **RADIO**.

### 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.

### 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.

### DIMMER (dimmer)

- 1 Press **M.C.** to turn the dimmer on or off.
  - You can also change the dimmer setting by pressing and holding **↔DIMMER**.

### BRIGHTNESS (brightness adjustment)

You can use this setting to adjust the display brightness.

The range of settings available for **BRIGHTNESS** will vary depending on whether **DIMMER** is on or off. For details, refer to **DIMMER** (*dimmer*) on page 12.

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select the desired setting. **DIMMER** on: **1** to **4**  
**DIMMER** off: **1** to **5**

### 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.

## Using this unit

### BT MEM CLEAR (clearing the Bluetooth device data stored on 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/preset phone numbers

- 1 Press **M.C.** to show the confirmation display. **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 (Bluetooth version display)

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

- 1 Press **M.C.** to display the information.

### APP CONN. SET (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**

### 2 Turn M.C. to display ILLUMI and press to select.

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

Once selected, the following audio functions can be adjusted.

#### KEY COLOR (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 illumination color.
  - Preset colors (ranging from **WHITE** to **BLUE**)
  - **SCAN** (cycle through a variety of colors automatically)
  - **CUSTOM** (customized illumination color)

#### DISP COLOR (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 illumination color.
  - Preset colors (ranging from **WHITE** to **BLUE**)
  - **SCAN** (cycle through a variety of colors automatically)
  - **CUSTOM** (customized illumination color)

#### BOTH COLOR (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 illumination color.
  - Preset colors (ranging from **WHITE** to **BLUE**)
  - **SCAN** (cycle through a variety of colors automatically)

#### PHONE COLOR (phone color setting)

## Selecting the illumination color

Only for DEH-X6690BT

## Illumination function menu

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

## Using this unit

Selecting the key colors displayed when a call is received

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select the illumination color.
  - **FLASHING** – The color selected from **KEY COLOR** flashes.
  - **FLASH MODE1** to **FLASH MODE6** – 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)

In this mode, an illumination effect can be seen on the display at certain times such as when the ACC power is turned on/off or a CD is inserted/ejected.

- 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 COLOR** and **DISP COLOR**.

- 1 Press **M.C.** to display the main menu.
- 2 Turn **M.C.** to display **ILLUMI** and press to select.
- 3 Turn **M.C.** to display **KEY COLOR** or **DISP COLOR**. 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 **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 5.

## 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.

  - **FLASH AREA** and **FLASH PATTERN** are not available for DEH-X4690BT.

## Using this unit

- **MIX PATTERN** is not available for DEH-X4690BT.

### SHORT PLAYBACK/SHORT MODE (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)—**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** (key)—**OFF** (off)
  - When **OFF** is selected, the color set under **ILLUMI** is used as the display color.

### FLASH PATTERN (flash pattern)

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 1** to **SOUND LEVEL 6** – The flash pattern changes according to the sound level. Select a desired mode.
  - **LOW PASS 1** to **LOW PASS 6** – The flash pattern changes according to the bass level. Select a desired mode.
  - **RANDOM 1** – The flash pattern changes randomly according to the sound level mode and low pass mode.
  - **RANDOM 2** – The flash pattern changes randomly according to the sound level mode.
  - **RANDOM 3** – The flash pattern changes randomly according to the low pass mode.

### MIX PATTERN (mix pattern)

The MIXTRAX special effects display changes with changes in the audio level.

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select the desired setting.
  - **SOUND LEVEL** – The mix pattern changes according to the sound level.
  - **LOW PASS** – The mix pattern changes according to the bass level.
  - **RANDOM** – The mix pattern changes randomly according to the sound level mode and low pass mode.

### DISPLAY FX/DISP FX (display effect)

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

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

### CUT IN FX (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)

## Initial 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 **INITIAL**.
- 4 Turn **M.C.** to select the initial menu function.
 

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

## Using this unit

### FM STEP (FM tuning step)

- 1 Press **M.C.** to select the FM tuning step.  
**100** (100 kHz)—**50** (50 kHz)

### MW STEP (MW tuning step)

- 1 Press **M.C.** to select the MW tuning step.  
**9** (9 kHz)—**10** (10 kHz)

### SP-P/O MODE (rear output and preout setting)

The rear speaker leads output and the RCA output of this unit can be used to connect a full-range speaker or subwoofer. Select a suitable option for your connection.

- 1 Press **M.C.** to display the setting mode.  
 2 Turn **M.C.** to select the desired setting.
- **REAR/SUB.W** – Select when there is a full-range speaker connected to the rear speaker leads output and there is a subwoofer connected to the RCA output.
  - **SUB.W/SUB.W** – Select when there is a subwoofer connected directly to the rear speaker leads output without any auxiliary amp and there is a subwoofer connected to the RCA output.
  - **REAR/REAR** – Select when there is a full-range speaker connected to the rear speaker leads output and the RCA output. If there is a full-range speaker connected to the rear speaker leads output and the RCA output is not used, you may select either **REAR/SUB.W** or **REAR/REAR**.

### S/W 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 12.

## 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 12.

## Switching the display

- Selecting the desired text information
- 1 Press **DISP/DISP OFF** to cycle between the following:
- Source name
  - Source name and clock

## Turning the display off or on

- Press and hold **DISP/DISP OFF** until the display turns on or off.

## Using this unit

## If an unwanted display appears

Turn off the unwanted display using the procedures listed below.

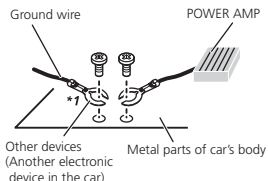
- 1 Press **M.C.** to display the main menu.
- 2 Turn **M.C.** to change the menu option and press to select **SYSTEM**.
- 3 Turn **M.C.** to display **DEMO OFF** and press to select.
- 4 Turn **M.C.** to switch to **YES**.
- 5 Press **M.C.** to select.

## Installation

### Connections

#### ⚠ WARNING

- Use speakers over 50 W (output value) and between 4 Ω to 8 Ω (impedance value). Do not use 1 Ω to 3 Ω speakers for this unit.
- The black cable is ground. When installing this unit or power amp (sold separately), make sure to connect the ground wire first. Ensure that the ground wire is properly connected to metal parts of the car's body. The ground wire of the power amp and the one of this unit or any other device must be connected to the car separately with different screws. If the screw for the ground wire loosens or falls out, it could result in fire, generation of smoke or malfunction.



\*1 Non supplied for this unit

#### 🔑 Important

- When installing this unit in a vehicle without an ACC (accessory) position on the ignition switch, failure to connect the red cable to the terminal that detects operation of the ignition key may result in battery drain.
- Use this unit with a 12-volt battery and negative grounding only. Failure to do so may result in a fire or malfunction.
- To prevent a short-circuit, overheating or malfunction, be sure to follow the directions below.
  - Disconnect the negative terminal of the battery before installation.
  - Secure the wiring with cable clamps or adhesive tape. Wrap adhesive tape around wiring that comes into contact with metal parts to protect the wiring.
  - Place all cables away from moving parts, such as the shift lever and seat rails.
  - Place all cables away from hot places, such as near the heater outlet.
  - Do not connect the yellow cable to the battery by passing it through the hole to the engine compartment.
  - Cover any disconnected cable connectors with insulating tape.
  - Do not shorten any cables.
  - Never cut the insulation of the power cable of this unit in order to share the power with other devices. The current capacity of the cable is limited.
  - Use a fuse of the rating prescribed.
  - Never wire the negative speaker cable directly to ground.
  - Never band together negative cables of multiple speakers.
- When this unit is on, control signals are sent through the blue/white cable. Connect this cable to the system remote control of an external power amp or the vehicle's auto-antenna relay control terminal (max. 300 mA 12V DC). If the vehicle is equipped with a glass antenna, connect it to the antenna booster power supply terminal.
- Never connect the blue/white cable to the power terminal of an external power amp. Also, never connect it to the power terminal of the auto antenna. Doing so may result in battery drain or a malfunction.



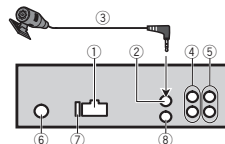
ACC position



No ACC position

## Installation

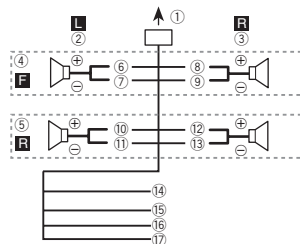
### This unit



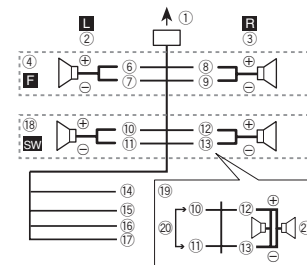
- Power cord input
- Microphone input
- Microphone (4 m)
- Rear output or subwoofer output
- Front output
- Antenna input
- Fuse (10 A)
- Wired remote input  
Hard-wired remote control adapter can be connected (sold separately).

### Power cord

Perform these connections when not connecting a rear speaker lead to a subwoofer.



Perform these connections when using a subwoofer without the optional amplifier.



- To power cord input
- Left
- Right
- Front speaker
- Rear speaker
- White
- White/black
- Gray
- Gray/black
- Green
- Green/black
- Violet
- Violet/black
- Black (chassis ground)  
Connect to a clean, paint-free metal location.
- Yellow  
Connect to the constant 12V supply terminal.
- Red  
Connect to terminal controlled by ignition switch (12 V DC).
- Blue/white  
Connect to system control terminal of the power amp or auto-antenna relay control terminal (max. 300 mA 12 V DC).
- Subwoofer (4 Ω)

## Installation

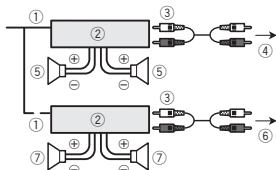
- 19 When using a subwoofer of 70 W (2Ω), be sure to connect the subwoofer to the violet and violet/black leads of this unit. Do not connect anything to the green and green/black leads.
- 20 Not used.
- 21 Subwoofer (4Ω) × 2

### Notes

- When using a two-speaker system, do not connect anything to speaker leads that are not connected to a speaker.
- Change the initial menu of this unit. Refer to **SP-P/O MODE** (rear output and preout setting) on page 14. The subwoofer output of this unit is monaural.

### Power amp (sold separately)

Perform these connections when using the optional amplifier.



- System remote control  
Connect to Blue/white cable.
- Power amp (sold separately)
- Connect with RCA cables (sold separately)
- To Front output
- Front speaker
- To Rear output or subwoofer output
- Rear speaker or subwoofer

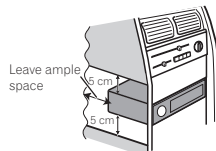
## Installation

### Important

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



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



### DIN front/rear mount

This unit can be properly installed using either front-mount or rear-mount installation.

## Installation

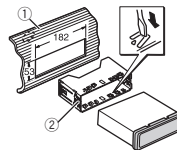
Use commercially available parts when installing.

### DIN Front-mount

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

For installation in shallow spaces, use the supplied mounting sleeve. If there is enough space, use the mounting sleeve that came with the vehicle.

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

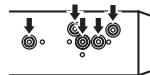


- Dashboard
- Mounting sleeve

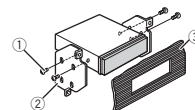
- Make sure that the unit is installed securely in place. An unstable installation may cause skipping or other malfunctions.

### DIN Rear-mount

#### 1 Determine the appropriate position where the holes on the bracket and the side of the unit match.



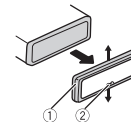
#### 2 Tighten two screws on each side.



- Truss screw (5 mm × 8 mm)
- Mounting bracket
- Dashboard or console

### Removing the unit

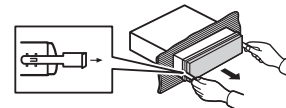
#### 1 Remove the trim ring.



- Trim ring
  - Notched tab
- Releasing the front panel allows easier access to the trim ring.
  - When reattaching the trim ring, point the side with the notched tab down.

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

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



## Installation

### Removing and re-attaching the front panel

You can remove the front panel to protect your unit from theft.  
For details, refer to *Removing the front panel and Re-attaching the front panel* on page 3.

### Installing the microphone

#### ⚠ CAUTION

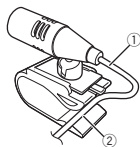
It is extremely dangerous to allow the microphone lead to become wound around the steering column or shift lever. Be sure to install the unit in such a way that it will not obstruct driving.

#### Notes

- Install the microphone in a position and orientation that will enable it to pick up the voice of the person operating the system.
- Use separately sold clamps to secure the lead where necessary inside the vehicle.

### When installing the microphone on the sun visor

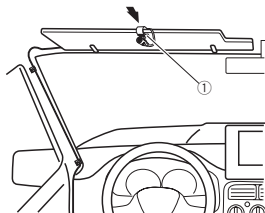
- 1 Fit the microphone lead into the groove.



- ① Microphone lead
- ② Groove

- 2 Install the microphone clip on the sun visor.

With the sun visor up, install the microphone clip. (Lowering the sun visor reduces the voice recognition rate.)

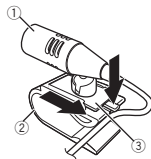


- ① Microphone clip

### When installing the microphone on the steering column

- 1 Detach the microphone base from the microphone clip.

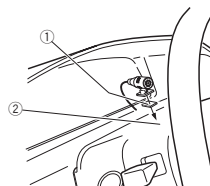
To detach the microphone base from the microphone clip, slide the microphone base.



- ① Microphone
- ② Microphone clip
- ③ Microphone base

## Installation

- 2 Install the microphone on the steering column.



- ① Double-sided tape
- ② Install the microphone on the rear side of the steering column.

### Adjusting the microphone angle



## 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 **FLD** (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.

### Error messages

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

Symptoms 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.

#### CD player

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

The disc is dirty.

Clean the disc.

The disc is scratched.

Replace the disc.

## Additional information

#### ERROR-07, 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.

#### 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.

#### N/A USB

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.

#### 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 the USB storage device.
  - Change to a different source.
- Then, return to the USB 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-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.

### Apps

#### NO BT DEVICE GO TO BT MENU TO REGISTER

No Bluetooth device found.

Follow the instructions that appear on the screen.

#### CONN. FAILED PRESS BAND KEY TO RETRAY

Bluetooth connection failed.

Follow the instructions that appear on the screen.

#### DISCONNECTED PRESS BAND KEY TO RETRAY

Bluetooth connection failed.

Follow the instructions that appear on the screen.

### CHECK APP

Connection to the application failed.

Follow the instructions that appear on the screen.

### START UP APP

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 adaptor 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.

### 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.

- Operations may vary.
- The storage device may not be recognized.
- Files may not be played back properly.
- The device may cause audible interference when you are listening to the radio.

## Additional information

### iPod

Do not leave the iPod in places with high temperatures.

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.

### Compressed audio compatibility (disc, USB)

#### 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**.

#### 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.

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.

#### Disc

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

Playable files: up to 99

Playable files: up to 999

## Additional information

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.

#### USB storage device

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

Playable folders: up to 500

Playable files: up to 15 000

Playback of copyright-protected files: Not compatible

Partitioned USB storage device: Only the first 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.

#### CAUTION

- 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.
- Do not leave discs or a USB storage device in any place that is subject to high temperatures.

#### iPod compatibility

This unit supports only the following iPod models. Supported iPod software versions are shown below. Older versions may not be supported.

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-IU51. For details, consult your dealer.

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

Audiobook, Podcast: Compatible

#### CAUTION

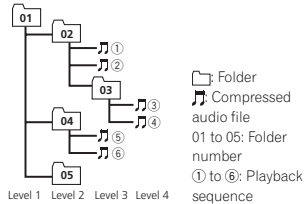
Pioneer accepts no responsibility for data lost on the iPod, even if that data is lost while this unit is used.

## Additional information

### 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.

### USB storage device

Playback sequence is the same as recorded sequence in the USB storage device.

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 containing files on the USB storage device.

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)
- 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

## Copyright and trademark

### Bluetooth

The *Bluetooth*® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by PIONEER CORPORATION is under license. Other trademarks and trade names are those of their respective owners.

### iTunes

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### MP3

Supply of this product only conveys a license for private, non-commercial use and does not convey a license nor imply any right to use this product in any commercial (i.e. revenue-generating) real time broadcasting (terrestrial, satellite, cable and/or any other media), broadcasting/streaming via internet, intranets and/or other networks or in other electronic content distribution systems, such as pay-audio or audio-on-demand applications. An independent license for such use is required. For details, please visit <http://www.mp3licensing.com>.

## Additional information

### WMA

Windows Media is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.

This product includes technology owned by Microsoft Corporation and cannot be used or distributed without a license from Microsoft Licensing, Inc.

### iPod & iPhone

iPhone, iPod, iPod classic, iPod nano, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

Lightning is a trademark of Apple Inc. "Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.

### Android™

Android is a trademark of Google Inc.

### MIXTRAX

MIXTRAX is a trademark of the PIONEER CORPORATION.

## Specifications

### General

Rated power source	.....	14.4 V DC (allowable voltage range: 12.0 V to 14.4 V DC)
Grounding system	.....	Negative type
Maximum current consumption	.....	10.0 A
Dimensions (W × H × D):		
DIN	.....	178 mm × 50 mm × 165 mm
Chassis	.....	188 mm × 58 mm × 15 mm (DEH-X6690BT)
Nose	.....	188 mm × 58 mm × 16 mm (DEH-X4690BT)
D	.....	178 mm × 50 mm × 165 mm
Chassis	.....	170 mm × 46 mm × 15 mm (DEH-X6690BT)
Nose	.....	170 mm × 46 mm × 16 mm (DEH-X4690BT)
Weight	.....	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 (4 Ω to 8 Ω allowable)
Preout maximum output level	.....	2.0 V
Loudness contour	.....	+10 dB (100 Hz), +6.5 dB (10 kHz) (volume: -30 dB)
Equalizer (5-Band Graphic Equalizer):		
Frequency	.....	80 Hz/250 Hz/800 Hz/2.5 kHz/ 8 kHz
Equalization range	.....	±12 dB (2 dB step)
Subwoofer (mono):		
Frequency	.....	50 Hz/63 Hz/80 Hz/100 Hz/ 125 Hz/160 Hz/200 Hz
Slope	.....	-12 dB/oct, -24 dB/oct
Gain	.....	+6 dB to -24 dB
Phase	.....	Normal/Reverse

## Additional information

### 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)
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)
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 $\mu$ V/75 $\Omega$ mono, S/N: 30 dB)
Signal-to-noise ratio .....	72 dB (IEC-A network)

### MW tuner

Frequency range .....	531 kHz to 1 602 kHz (9 kHz)
	530 kHz to 1 640 kHz (10 kHz)
Usable sensitivity .....	25 $\mu$ V (S/N: 20 dB)
Signal-to-noise ratio .....	62 dB (IEC-A network)

### SW tuner

Frequency range .....	2 300 kHz to 7 735 kHz
	(2 300 kHz to 2 495 kHz,
	2 940 kHz to 4 215 kHz,
	4 540 kHz to 5 175 kHz,
	5 820 kHz to 6 455 kHz,
	7 100 kHz to 7 735 kHz)
	9 500 kHz to 21 975 kHz
	(9 500 kHz to 10 135 kHz,

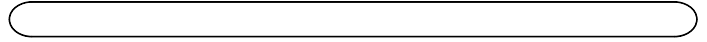
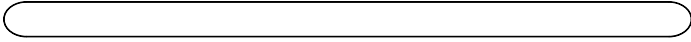
	11 580 kHz to 12 215 kHz,
	13 570 kHz to 13 870 kHz,
	15 100 kHz to 15 735 kHz,
	17 500 kHz to 17 985 kHz,
	18 015 kHz to 18 135 kHz,
	21 340 kHz to 21 975 kHz)
Usable sensitivity .....	28 $\mu$ V (S/N: 20 dB)
Signal-to-noise ratio .....	62 dB (IEC-A network)

### 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.



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We offer the latest information about PIONEER CORPORATION on our website.

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