

Pioneer

Operation Manual

CD RDS RECEIVER

DEH-X8500DAB DEH-X8500BT DEH-X7500SD



Made for



iPod



iPhone



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.

CAUTION

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

CLASS 1 LASER PRODUCT

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.
- If the battery is disconnected or discharged, any preset memory will be erased.

Note

Function setting operations are completed even if the menu is canceled before the operations are confirmed.

If you experience problems

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

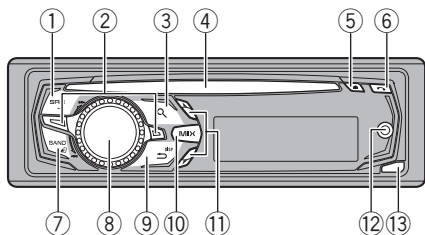
About this manual

- In the following instructions, USB memories, USB portable audio players, and SD memory cards are collectively referred to as “external storage devices (USB, SD)”. If only USB memories and USB portable audio players are indicated, they are collectively referred to as “USB storage devices”.
- In this manual, iPod and iPhone will be referred to as “iPod”.

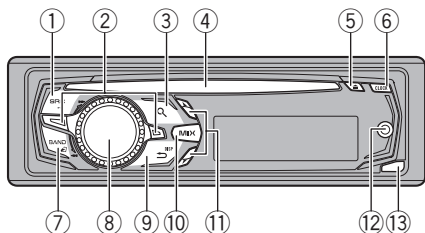
Using this unit

Head unit

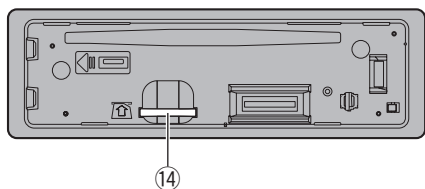
DEH-X8500DAB and DEH-X8500BT



DEH-X7500SD



Head unit (front panel open)



Part	Part
① SRC/OFF	⑧ MULTI-CONTROL (M.C.)
② LEVER	⑨ ↵/DISP
③ 🔍 (list)	⑩ MIX (MIXTRAX)
④ Disc loading slot	⑪ ↕ (up/down)
⑤ ▲ (eject)	⑫ AUX input jack (3.5 mm stereo jack)

Part	Part
DEH-X8500DAB and DEH-X8500BT	
⑥ 📞 (phone)	⑬ Detach button
DEH-X7500SD	
CLOCK	
⑦ BAND/📶 (iPod)	⑭ Remove the front panel to access the SD memory card slot

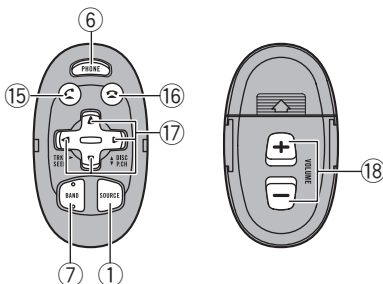
⚠ CAUTION

- 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.
- Do not use unauthorized products. ▣

Optional remote control

The remote control CD-SR110 and CD-R320 are sold separately. Remote controller buttons marked with the same numbers as on the unit work in the same way as the corresponding unit button, regardless of button name.

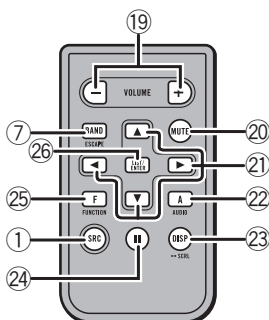
CD-SR110 (for DEH-X8500DAB and DEH-X8500BT)



Using this unit

Part	Operation
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.
17	Press to perform manual seek tuning, fast forward, reverse and track search controls. Also used for controlling functions.
18	VOLUME Press to increase or decrease volume.

CD-R320 (for DEH-X7500SD)



Part	Operation
19	VOLUME Press to increase or decrease volume.
20	MUTE Press to mute. Press again to unmute.
21	Press to perform manual seek tuning, fast forward, reverse and track search controls. Also used for controlling functions.
22	AUDIO Press to select an audio function.
23	DISP/SCRL Press to select different displays.
24	II Press to pause or resume playback.

Part	Operation
25	FUNCTION Press to select functions. Press to display the disc title, track title, folder, or file list depending on the source.
26	LIST/ENTER Press to display the list depending on the source. While in the operating menu, press to control functions.

Set up menu

When you turn the ignition switch to ON after installation, set up menu appears on the display.

You can set up the menu options below.

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**.

If you select **NO**, you cannot set up in the set up menu.

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)

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

Calendar (setting the date)

Using this unit

- 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 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 confirm the selection.

FM step (FM tuning step)

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

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. For details about the settings, refer to *System menu* on page 29.
- You can cancel set up menu by pressing **SRC/OFF**. 

Basic operations

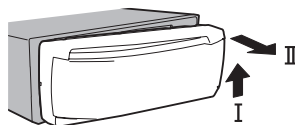
Important

- 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 to protect your unit from theft

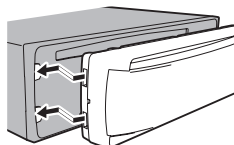
- 1 Press the detach button to release the front panel.
- 2 Push the front panel upward (I) and then pull it toward (II) you.



- 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.
Make sure to insert the tabs on the left side of the head unit into the slots on the front panel.



- 2 Press the right side of the front panel until it is firmly seated.
If you cannot attach the front panel to the head unit successfully, make sure that you are placing the front panel onto the head unit correctly. Forcing the front panel into place may result in damage to the front panel or head unit.

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.

Using this unit

Selecting a source

- 1 Press **SRC/OFF** to cycle between:
DEH-X8500DAB

DAB (digital audio broadcasting)—**TUNER** (tuner)—**CD** (CD player)—**USB1** (USB1)/**iPod1** (iPod1)—**Apps1** (Smartphone App1)—**USB2** (USB2)/**iPod2** (iPod2)—**Apps2** (Smartphone App2)—**SD** (SD memory card)—**AUX** (AUX)—**BT Audio** (BT audio)

DEH-X8500BT

TUNER (tuner)—**CD** (CD player)—**USB1** (USB1)/**iPod1** (iPod1)—**Apps1** (Smartphone App1)—**USB2** (USB2)/**iPod2** (iPod2)—**Apps2** (Smartphone App2)—**SD** (SD memory card)—**AUX** (AUX)—**BT Audio** (BT audio)

DEH-X7500SD

TUNER (tuner)—**CD** (CD player)—**USB** (USB)/**iPod** (iPod)—**Apps** (Smartphone App)—**SD** (SD memory card)—**AUX** (AUX)

Adjusting the volume

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

CAUTION

For safety reasons, park your vehicle when removing the front panel.

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** (USB storage device1)/**iPod1** (iPod connected using USB input1) and **USB2** (USB storage device2)/**iPod2** (iPod connected using USB input2) 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/**.

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.



DAB (Digital Audio Broadcasting)

Only for DEH-X8500DAB

To receive DAB signals, connect a DAB antenna (AN-DAB1) sold separately to the unit.

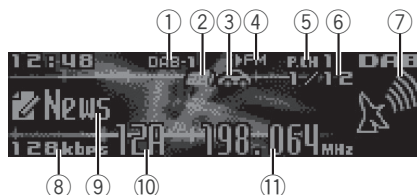
DAB stands for Digital Audio Broadcasting and has the following features:

- High sound quality (nearly as high as for CDs, although it may be reduced in some cases in order to allow more services to be broadcast)
- Interference-free reception

Note

Some stations perform broadcast testing.

Basic operations



Using this unit

- ① Band indicator
- ② **News** indicator
- ③ **Traffic Announce** indicator
- ④ **FM-LINK** indicator
This displays while **S.FOLLOW** is searching for another FM broadcast station broadcasting the same content.
- ⑤ Preset number indicator
- ⑥ Service availability indicator
- ⑦ Signal level indicator
- ⑧ Bit rate indicator
- ⑨ Text information indicator
- ⑩ Channel indicator
- ⑪ Frequency indicator

Selecting a band

① Press **BAND/#** until the desired band (**DAB-1**, **DAB-2**, or **DAB-3**) is displayed.

Manual tuning (step by step)

① Turn **LEVER**.

Ensemble

- Service
- Primary Service Component
- Service
- Primary Service Component
- Secondary Service Component
- Secondary Service Component

Turn **LEVER** to the right.

↑

↓

Turn **LEVER** to the left.

Some individual services in an ensemble may be further subdivided into Service Components. The main Service Component is called the Primary Service Component, and any auxiliary Service Components are called Secondary Service Components.

Seeking

① Turn and hold down **LEVER**.

Pausing

You can use the pause function to temporarily stop listening to a DAB.

- **Press and hold M.C. to pause or resume.**
 - This unit stores recent broadcasts to memory automatically. The memory capacity of this unit will vary depending on the bit rate of the Service Component used. The ap-

proximate memory capacity is five minutes for 192 kbps.

- If the duration that a selection is paused exceeds the length of the memory capacity, playback will resume from the beginning of the selection in memory.

This function is disabled while time shift is on. For more details about time shift, refer to *Listening to a recent broadcast (time shift)* on this page.

Switching the display

Selecting the desired text information

- **Press ↔/DISP.**
Service label/channel and frequency—PTY label/channel and frequency—ensemble label/channel and frequency—dynamic label/channel and frequency

Notes

- For more details about PTY list, refer to *PTY list* on page 11.
- This function is disabled while pausing. For more details about pausing, refer to *Pausing* on this page.
- Depending on the band, text information can be changed.

Listening to a recent broadcast (time shift)

You can navigate through recent broadcasts from the selected Service Component.

1 Press and hold ↔/DISP to switch to time shift mode.

Press and hold again to resume the live broadcast.

2 Turn LEVER to adjust the playback point.

- Turn **LEVER** to the left to skip back one minute.
- Turn **LEVER** to the right to skip forward one minute.

Using this unit

This unit stores recent broadcasts to memory automatically. The memory capacity of this unit will vary depending on the bit rate of the Service Component used. The approximate memory capacity is five minutes for 192 kbps. Stored selections that are older than what can be stored in the memory will not be available.

Selecting a Service Component

You can select a Service Component from the following service list.

1 Press \mathcal{Q} (list) to switch to the service list mode.

2 Turn **M.C. to change the service list and press to select.**

Once selected, the following Service Component functions can be adjusted.

SERVICE (service label)

You can select a Service Component from the list of all components.

- 1 Turn **M.C.** to select a Service Component.
- 2 Press **M.C.** to receive a broadcast from the selected Service Component.

Using alphabet search

- 1 Press \mathcal{Q} (list).
- 2 Turn **M.C.** to select a letter.
- 3 Press **M.C.** to display the alphabetical list.
- 4 Turn **M.C.** to select a Service Component.
- 5 Press **M.C.** to receive a broadcast from the selected Service Component.

PROGRAM TYPE (PTY label)

You can select a Service Component from PTY information.

- 1 Turn **M.C.** to scroll to the desired PTY information and press it to select.

NEWS/INFO—POPULAR—CLASSICS—OTHERS

- 2 Turn **M.C.** to select a Service Component.
- 3 Press **M.C.** to receive a broadcast from the selected Service Component.

ENSEMBLE (ensemble label)

You can select a Service Component from the relevant ensemble.

- 1 Turn **M.C.** to scroll to the desired ensemble and press it to select.
- 2 Turn **M.C.** to select a Service Component.
- 3 Press **M.C.** to receive a broadcast from the selected Service Component.

PCH LIST (setting preset channels)

You can store your favorite Service Components as presets and recall them later on.

- 1 Turn **M.C.** to select a preset channel.
- 2 Press and hold **M.C.** to store the Service Component as a preset.
- 3 Press **M.C.** to recall the preset channel.
 - You can tune the channel up or down manually by pressing \mathcal{N} or \mathcal{P} .

Updating service list information

You can receive updates to the service list.

● **Press and hold down \mathcal{Q} (list).**

To cancel, press and hold \mathcal{Q} (list) again.

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.FOLLOW (alternative Service Component search)

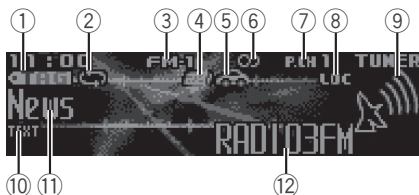
If the tuner cannot get good reception, the unit will automatically search for another ensemble that supports the same Service Component. If no alternative Service Component can be found or reception remains poor, this function will automatically switch to an identical FM broadcast.

- 1 Press **M.C.** to turn alternative Service Component search on or off.

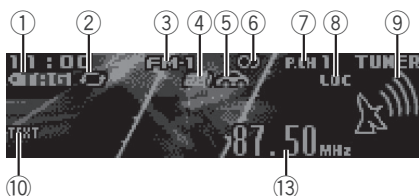


Tuner

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. For details about the settings, refer to **Tuning Mode** (*LEVER tuning setting*) on page 13.

Switching preset stations

- ① Turn **LEVER**.
 - Select **Preset** (preset channel) under **Tuning Mode** to use this function. For details about the settings, refer to **Tuning Mode** (*LEVER tuning setting*) on page 13.

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**.

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 29.

Storing and recalling stations for each band

1 Press **Q** (list).

The preset screen is displayed.

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 tune the channel up or down manually by pressing **↶** or **↷**.

Using this unit

Switching the RDS display

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

● Press \rightarrow /DISP.

PTY/program service name (frequency)—artist name/song title

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

News&Inf (news and information)

News (News), **Affairs** (Current affairs), **Info** (Information), **Sport** (Sports), **Weather** (Weather), **Finance** (Finance)

Popular (popular)

Pop Mus (Popular music), **Rock Mus** (Rock music), **Easy Mus** (Easy listening), **Oth Mus** (Other music), **Jazz** (Jazz), **Country** (Country music), **Nat Mus** (National music), **Oldies** (Oldies music), **Folk mus** (Folk music)

Classics (classics)

L. Class (Light classical), **Classic** (Classical)

Others (others)

Educate (Education), **Drama** (Drama), **Culture** (Culture), **Science** (Science), **Varied** (Varied), **Children** (Children's), **Social** (Social affairs), **Religion** (Religion), **Phone In** (Phone in), **Touring** (Travel), **Leisure** (Leisure), **Document** (Documentaries)

Using iTunes tagging

This function can be performed with the following iPod models.

- 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 6th generation
- iPod nano 5th generation
- iPod nano 4th generation
- iPod nano 3rd generation
- iPhone 4S
- iPhone 4
- iPhone 3GS
- iPhone 3G
- iPhone

However, tag information can be stored in this unit even while other iPod models are used.

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.

Storing the tag information to this unit

- 1 Tune in to the broadcast station.
- 2 Press and hold **M.C.** 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-X8500DAB and DEH-X8500BT

- 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 18.
 - 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-X7500SD
- 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 **↶** or **↷** 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.

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.

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 Turn **LEVER** left or right to select the desired setting.

News&Inf—Popular—Classics—Others

- 2 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.

PTY (program type ID code) information is listed in the following section. Refer to *PTY list* on the previous page.

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.

Using this unit

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.

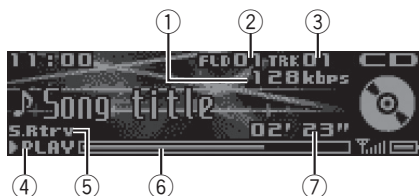
- ① Press **M.C.** to select **Manual** or **Preset**.



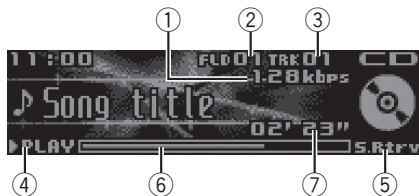
CD/CD-R/CD-RW and external storage devices (USB, SD)

Basic operations

DEH-X8500DAB and DEH-X8500BT



DEH-X7500SD



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

Stopping playback of files on a USB storage device

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

Playing songs on an SD memory card

- ① Remove the front panel.
② 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.
③ Re-attach the front panel.
④ Press **SRC/OFF** to select **SD** as the source. Playback will start.

Stopping playback of files on an SD memory card

- ① Remove the front panel.
② Press on the SD memory card until it clicks. The SD memory card is ejected.
③ Pull out the SD memory card.
④ Re-attach the front panel.

Selecting a folder

- ① Press **↶** or **↷**.

Selecting a track

- ① Turn **LEVER**.

Fast forwarding or reversing

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

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.

Using this unit

Notes

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

Operations using the MIXTRAX button

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

- 1 Press **MIX** to turn MIXTRAX on or off.
 - For more details about MIXTRAX, refer to *About MIXTRAX* on page 27.
 - For more details about MIXTRAX functions, refer to *MIXTRAX menu* on page 27.

Switching the display

Selecting the desired text information

- Press **↔/DISP**.

Notes

- Depending on the version of iTunes used to write MP3 files to a disc or media file types, incompatible text stored within an audio file may be displayed incorrectly.
- Text information items that can be changed depend on the media.

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 29.

- 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 **USB memory**, **USB memory1**, **USB memory2** or **SD card** is selected in **Music browse**. For details, refer to **Music browse** (*music browse*) on page 29.

- 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.

Using this unit

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.

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 **USB memory**, **USB memory1**, **USB memory2** or **SD card** is selected in **Music browse**. For details, refer to **Music browse** (*music browse*) on page 29.

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 M.C. 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.

- **Link play** is not available when **OFF** is selected in **Music browse**. For details, refer to **Music browse** (*music browse*) on page 29.

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)

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 this page.

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)

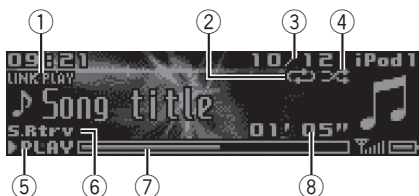
1 is effective for low compression rates, and **2** is effective for high compression rates.



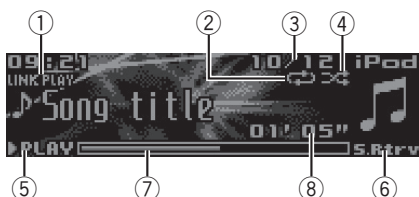
iPod

Basic operations

DEH-X8500DAB and DEH-X8500BT



DEH-X7500SD



- 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 using an iPod Dock Connector.

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 or .

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 27.
 - For more details about MIXTRAX functions, refer to *MIXTRAX menu* on page 27.

Switching the display

Selecting the desired text information

- Press /DISP.

Browsing for a song

- 1 Press (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.**

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 to switch to alphabet search mode.
- ② Turn **M.C.** to select a letter.
- ③ Press **M.C.** to display the alphabetical list.

Notes


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

Using this unit

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.

Ctrl iPod is not compatible with the following iPod models.

- iPod nano 1st generation
- iPod with video

● Press BAND/ 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-X7500SD.
- **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 this page.

Play mode (repeat play)

-  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)

-  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)

Using this unit

- 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 the previous page.

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 the previous page.

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)

Transfer the tag information contained in the tuner source.

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to switch to **YES**.
- 3 Press **M.C.** to select.
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.



- 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. Park your vehicle in a safe place when using these advanced operations.
- Be sure to park your vehicle in a safe place and apply the parking brake when performing this operation.

Using Bluetooth wireless technology

Only for DEH-X8500DAB and DEH-X8500BT

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.







Using this unit

Setting up for hands-free phoning

Before you can use the hands-free phoning function you must set up the unit for use with your cellular phone.

- | | |
|---|---|
| 1 | Connection
Use the Bluetooth telephone connection menu.
Refer to <i>Connection menu operation</i> on this page. |
| 2 | Function settings
Use the Bluetooth telephone function menu.
Refer to <i>Phone menu operation</i> on the next page. |

Basic operations

Making a phone call	<ul style="list-style-type: none"> Refer to <i>Phone menu operation</i> on the next page.
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 Turn LEVER while talking on the phone. <ul style="list-style-type: none"> When private mode is on, this function is not available.
Turning private mode on or off	1 Press BAND/  while talking on the phone.
Switching the information display	1 Press DISP while talking on the phone.

Notes

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

Using voice recognition

This feature can be used on an iPod equipped with voice recognition that is connected by Bluetooth with the source set to **iPod** or **BT Audio**.

- **Press and hold M.C. to switch to voice recognition mode.**

Notes

- For details on voice recognition features, check the manual for the iPod you are using.
- Some commands may not be available on this unit.

Connection menu operation

Important

- Be sure to park your vehicle in a safe place and apply the parking brake when performing this operation.
- 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)

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

- 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.

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

Using this unit

Delete device (deleting a device from the device list)

- When no device is selected in the device list, this function is not available.
- 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.
- While this function is in use, do not turn off the engine.

Add device (connecting a new device)

- 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.
 - 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.
 - 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

Phone menu operation

Important

Be sure to park your vehicle in a safe place and apply the parking brake when performing this 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)

Dialed 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.**

PhoneBook (phone book)

Using this unit

- 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 the previous page.
- Press **M.C.** to display **ABC Search** (alphabetical list).
 - 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)
 - Press **M.C.** to display a registered name list.
 - Turn **M.C.** to select the name you are looking for.
 - Press **M.C.** to display the phone number list.
 - Turn **M.C.** to select a phone number you want to call.
 - 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 this page.

Function and operation

1 Display Phone Function.

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

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)

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

Ring tone (ring tone select)

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

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

- 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. You cannot use the A2DP connection when **iPod** is selected as a source.
 - AVRCP profile (Audio/Video Remote Control Profile): You can perform playback, pause playback, select songs, etc.
- Functions will vary depending on the Bluetooth audio player you are using. When using your player with this unit, refer to the instruction manual that came with your Bluetooth audio player as well as this manual.
- 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.

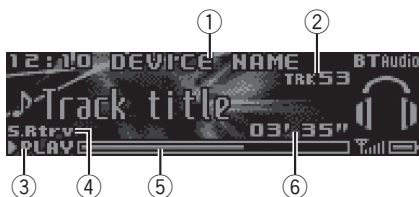
Setting up for Bluetooth audio

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.

- Connection
 - Use the Bluetooth telephone connection menu. Refer to *Connection menu operation* on page 19.

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**.

Note

Depending on the device, text information can be changed.

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 smartphone applications

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

Using this unit

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 the smartphone compatibility

The following devices are compatible with this function.

- iPhone and iPod touch
In this chapter, iPod and iPhone will be referred to as "iPhone".
- Android™ device

For iPhone users

- Use a Pioneer USB cable to connect an iPhone.
- Song information may not display correctly for iOS versions earlier than 5.0.

For Android device users

- 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 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 the USB cable using an iPhone Dock Connector.**
- 2 Select Wired in APP CONNECT MODE. For details, refer to APP CONNECT MODE (APP connect mode setting) on page 30.**
For DEH-X7500SD, skip to the next step.
- 3 Switch the source to Apps.**
- 4 Start up the application on the smartphone and initiate playback.**

Starting procedure for Android device users

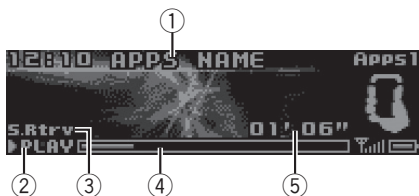
Only for DEH-X8500DAB and DEH-X8500BT

- 1 Connect your Android device to this unit using Bluetooth wireless technology. For details, refer to Connection menu operation on page 19.**
- 2 Select Bluetooth in APP CONNECT MODE. For details, refer to APP CONNECT MODE (APP connect mode setting) on page 30.**
- 3 Switch the source to Apps.**
- 4 Start up the application on the smartphone and initiate playback.**

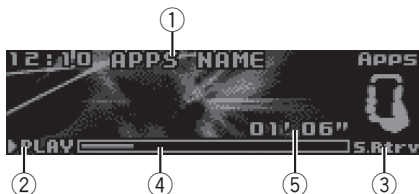
Using this unit

Basic operations

DEH-X8500DAB and DEH-X8500BT



DEH-X7500SD



- 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.

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 Apps** (iPhone)
 - **BT Audio, and Apps** (Android)
- **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)

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

- 1 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)

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

- 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 Apps** (iPhone)
 - **BT Audio, and Apps** (Android)
- 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 entertainment function.

Once selected, the following entertainment functions can be adjusted.

Background (background setting)

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select the desired setting.
Background visual—genre—background picture 1—background picture 2—background picture 3—background picture 4—simple display—movie screen—calendar
 - Genre display changes depending on the genre of music.
 - Genre display may not work correctly depending on the application used to encode audio files.
- 3 Press **M.C.** to select.

Clock (clock display setting)

- 1 Press **M.C.** to select the desired setting.
ON (clock display)—**Elapsed time** (elapsed time display)—**OFF** (clock off)
 - *Only for DEH-X7500SD*
You can switch the function by pressing **CLOCK**.



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.

- **Phone** is not available for DEH-X7500SD.

Key Side (key section color setting)

You can select desired colors for the illuminated sections on the left side on the front of this unit.

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select the desired setting.
You can select any one of the options in the following list:
 - Preset colors (ranging from **White** to **Rose**)
 - **Scan** (cycle through all colors)
 - Sets of colors (**Warm**, **Ambient**, **Calm**)
 - **Custom** (customized illumination color)

Display Side (display section color setting)

You can select desired colors for the illuminated sections on the right side on the front of this unit.

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select the desired setting.
You can select any one of the options in the following list:
 - Preset colors (ranging from **White** to **Rose**)
 - **Scan** (cycle through all colors)
 - Sets of colors (**Warm**, **Ambient**, **Calm**)
 - **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.
You can select any one of the options in the following list:
 - Preset colors (ranging from **White** to **Rose**)
 - **Scan** (cycle through all colors)
 - Sets of colors (**Warm**, **Ambient**, **Calm**)

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.
You can select any one of the options in the following list:
 - **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.

Notes

- The **MIX** color cannot be changed.

Using this unit


- When **Scan** is selected, the system automatically cycles through the preset colors.
- When **Warm** is selected, the system automatically cycles through the warm colors.
- When **Ambient** is selected, the system automatically cycles through the ambient colors.
- When **Calm** is selected, the system automatically cycles through the calm colors.
- 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**.

- 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**, **Warm**, **Ambient** or **Calm** 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 and lighting effects.

Notes

- Depending on the file/song, sound effects may not be available.
- MIXTRAX includes a MIXTRAX flashing color mode that when switched on turns the flashing colors on and off in time with the audio track. If you find the feature distracting while driving, please turn MIXTRAX off. Refer to *Operations using the MIXTRAX button* on page 14. 

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)
 - Turn this option **OFF** if you want to play a selection all the way through from start to finish.

FLASH AREA (flash area)

Using this unit

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 **KEY SIDE** is selected, the illuminated sections on the left side on the front of this unit flash.
 - When **OFF** is selected, the color set under **ILLUMINATION** is used as the display color.

Flashing Colour (flash pattern)

You can select flashing color patterns.

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select the desired setting.
 You can select any one of the options in the following list:
 - **Sound Level Mode Colour 1 to Colour 6** – Flashing colors will flash on and off in synchronization with the sound level in a song. Select the desired mode.
 - **Low Pass Mode Colour 1 to Colour 6** – Flashing colors will flash on and off in synchronization with the bass level in a song. Select the desired mode.
 - **Flashing Colour Random** – The pattern for the flashing colors is randomly selected for each song from the sound level mode and low pass mode.
 - **Sound Level Mode Random** – The pattern for the flashing colors is randomly selected for each song from the sound level mode.
 - **Low Pass Mode Random** – The pattern for the flashing colors is randomly selected for each song from 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 this page.

Notes

- The **MIX** color cannot be changed.
- **MIX** does not flash.

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**, 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)

Using this unit

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)
- When **iPod** is selected as the source, the crossfade effect is disabled.



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.

- **BT AUDIO**, **Clear memory**, **BT Version info**, and **APP CONNECT MODE** are not available for DEH-X7500SD.
- **APP CONNECT MODE** is not available when the source is selected as **Apps**.

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 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 the clock)

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

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.

Music browse (music browse)

You can select an device on which to browse music.

- 1 Press **M.C.** to select the desired setting.
DEH-X8500DAB and DEH-X8500BT
OFF—USB memory1—USB memory2—SD card
DEH-X7500SD
OFF—USB memory—SD card

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.

Dimmer (dimmer setting)

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

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

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)

Using this unit

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)

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.

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

APP CONNECT MODE (APP connect mode setting)

Select an appropriate option for your smartphone.

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

Wired (for iPhone)—**Bluetooth** (for Android device)



2 Press and hold **M.C.** until the main menu appears in the display.

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.

- **Software Update** is not available for DEH-X7500SD.

FM step (FM tuning step)

Normally, the FM tuning step setting used for seek tuning is 50 kHz. The tuning step changes to 100 kHz automatically when the alternative frequencies search or traffic announcement standby function is in use. It may be preferable to set the tuning step to 50 kHz when the alternative frequencies search function is on.

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

50kHz (50 kHz)—**100kHz** (100 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 25).
- 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.

Set up menu

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


Using this unit

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 display the data transfer mode. Follow the on-screen instructions to finish updating the Bluetooth software.



- 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. 

System menu


- 1 Press and hold **SRC/OFF** until the unit turns off.
- 2 Press and hold **M.C.** until the main menu appears in the display.
- 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 29. 

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 29. 

If an unwanted display appears

Turn off the unwanted display using the procedures listed below.

Additional information

Troubleshooting

Symptom	Cause	Action
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.

Symptom	Cause	Action
The sound from the Bluetooth audio source is not played back.	There is a call in progress on a Bluetooth connected cellular phone. A Bluetooth connected cellular phone is currently being operated.	The sound will be played back when the call is terminated. 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.

Common

Message	Cause	Action
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.

Additional information

DAB tuner

Message	Cause	Action
ANTENNA ERROR	The antenna connection is incorrect.	Check the antenna 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

Message	Cause	Action
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.	Replace the disc.
PROTECT	All the files on the inserted disc are embedded with DRM.	Replace the disc.

External storage device (USB, SD)/iPod

Message	Cause	Action
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 files embedded with Windows Media™ DRM 9/10.	Play an audio file not embedded with Windows Media DRM 9/10.
PROTECT	All the files in the USB storage device are embedded with Windows Media DRM 9/10.	Transfer audio files not embedded with Windows Media DRM 9/10 to the USB storage device and connect.
NOT COMPATIBLE	The USB device connected to is not supported by this unit.	<ul style="list-style-type: none"> • Connect a USB Mass Storage Class compliant device. • Disconnect your device and replace it with a compatible USB storage device.
	Non-compatible iPod	Disconnect your device and replace it with a compatible iPod.
	Non-compatible SD storage device	Remove your device and replace it with a compatible SD storage device.

Additional information

Message	Cause	Action
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.
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.

Message	Cause	Action
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

Message	Cause	Action
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

Message	Cause	Action
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. Do not use 8-cm discs or an adapter for 8-cm discs.

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



Do not insert anything other than a CD into the disc loading slot.

Do not use cracked, chipped, warped, or otherwise damaged discs as they may damage the player.

Unfinalized CD-R/RW discs cannot be played back.

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.

Read the precautions for discs before using them.

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)

Address any questions you have about your external storage device (USB, SD) to the manufacturer of the device.

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.

Additional information

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.

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

To ensure proper operation, connect the dock connector cable from the iPod directly to this unit.

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.


DualDiscs

DualDiscs are two-sided discs that have a recordable CD for audio on one side and a recordable DVD for video on the other.

Since the CD side of DualDiscs is not physically compatible with the general CD standard, it may not be possible to play the CD side with this unit.

Frequent loading and ejecting of a DualDisc may result in scratches on the disc. Serious scratches can lead to playback problems on this unit. In some cases, a DualDisc may become stuck in the disc loading slot and will not eject. To prevent this, we recommend you refrain from using DualDisc with this unit. Please refer to the information from the disc manufacturer for more detailed information about DualDiscs.

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

Additional information

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)

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.

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. Supported iPod software versions are shown below. Older versions may not be supported.
Made for

Additional information

- iPod touch 4th generation (software version 5.1.1)
- iPod touch 3rd generation (software version 5.1.1)
- iPod touch 2nd generation (software version 4.2.1)
- iPod touch 1st generation (software version 3.1.3)
- iPod classic 160GB (software version 2.0.4)
- iPod classic 120GB (software version 2.0.1)
- iPod classic (software version 1.1.2)
- iPod with video (software version 1.3.0)
- iPod nano 6th generation (software version 1.2)
- iPod nano 5th generation (software version 1.0.2)
- iPod nano 4th generation (software version 1.0.4)
- iPod nano 3rd generation (software version 1.1.3)
- iPod nano 2nd generation (software version 1.1.3)
- iPod nano 1st generation (software version 1.3.1)
- iPhone 4S (software version 5.1.1)
- iPhone 4 (software version 5.1.1)
- iPhone 3GS (software version 5.1.1)
- iPhone 3G (software version 4.2.1)
- iPhone (software version 3.1.2)

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.


When using an iPod, an iPod Dock Connector to USB Cable is required.

A Pioneer CD-IU51 interface cable is also available. For details, consult your dealer.

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

Audiobook, Podcast: Compatible

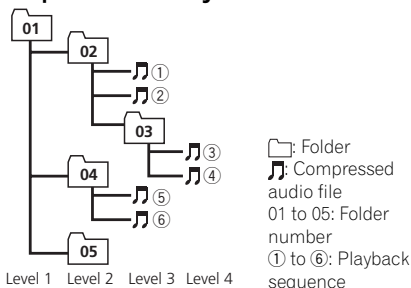
CAUTION

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

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. 

Additional information

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
- HSP (Head Set Profile)
- 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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WMA

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SD memory card

SD Logo is a trademark of SD-3C, LLC.

miniSD Logo is a trademark of SD-3C, LLC.

microSD Logo is a trademark of SD-3C, LLC.

SDHC Logo is a trademark of SD-3C, LLC.

iPod & iPhone

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

“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™

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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 × 18 mm
D	
Chassis	178 mm × 50 mm × 165 mm
Nose	170 mm × 46 mm × 18 mm
Weight	1.05 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. 10.6 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. 10.6 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. 10.6 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)

DAB tuner

(DEH-X8500DAB)

Additional information

Frequency range (Band III)	174.928 MHz to 239.200 MHz (5A to 13F)
Frequency range (L Band)	1 452.960 MHz to 1 490.624 MHz (LA to LW)
Usable sensitivity (Band III)	-90 dBm
Usable sensitivity (L Band)	-90 dBm
Signal-to-noise ratio	85 dB

MW tuner

Frequency range	531 kHz to 1 602 kHz
Usable sensitivity	25 μ V (S/N: 20 dB)
Signal-to-noise ratio	62 dB (IEC-A network)

LW tuner

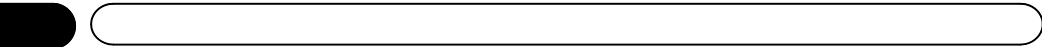
Frequency range	153 kHz to 281 kHz
Usable sensitivity	28 μ V (S/N: 20 dB)
Signal-to-noise ratio	62 dB (IEC-A network)

Bluetooth

(DEH-X8500DAB/DEH-X8500BT)	
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 (or www.pioneer.eu) to register your product.

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