Pioneer

Operation Manual

CD RDS RECEIVER

DEH-X5600BT
DEH-4600BT

Made for
iPod iPhone

Bluetooth®

English

Before you start

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

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

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

Private households in the member states of the EU, in Switzerland and Norway may return their used electronic products free of charge to designated collection facilities or to a retailer (if you purchase a similar new one). For countries not mentioned above, please contact your local authorities for the correct method of disposal. By doing so you will ensure that your disposed product undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health. ▣

About this unit

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

⚠ WARNING

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

⚠ CAUTION

- Do not allow this unit to come into contact with liquids. Electrical shock could result. Also, damage to this unit, smoke, and overheating could result from contact with liquids.
- The Pioneer CarStereo-Pass is for use only in Germany.
- Always keep the volume low enough to hear outside sounds.
- Avoid exposure to moisture.

CAUTION

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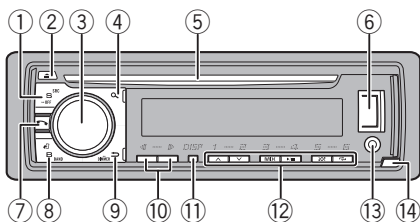
CLASS 1 LASER PRODUCT

▣

If you experience problems

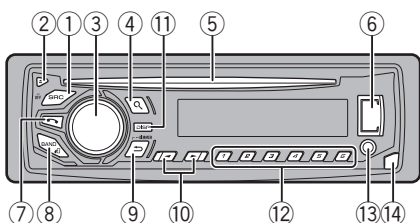Should this unit fail to work properly, please contact your dealer or nearest authorized PIONEER Service Station. ▣

Using this unit

Head unit

DEH-X5600BT

DEH-4600BT

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

⚠ CAUTION

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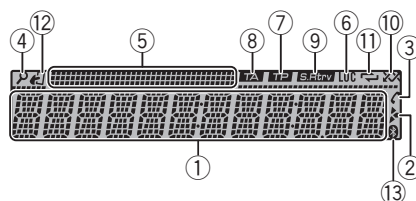
connected directly to the unit will protrude out from the unit, which could be dangerous. ◼

Display indication

DEH-X5600BT
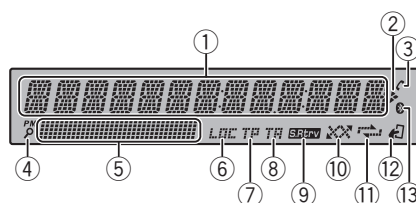
DEH-4600BT

①	Main information section • Tuner: band and frequency • RDS: program service name, PTY information and other literal information • CD player, USB storage device and iPod: elapsed playback time and text information
②	⋗ Appears when a lower tier of folder or menu exists.
③	⌁ (auto answer) Shows when the automatic answering function is on.
④	℗ (list)
⑤	Sub information section
⑥	**LOC** (local seek tuning)
⑦	TP (traffic program identification)
⑧	TA (traffic announcements)
⑨	**S.Rtrv** (sound retriever)
⑩	✗✗ (random/shuffle)
⑪	↩ (repeat)

⫧ (iPod control)
⑫ This unit's iPod function is operated from your iPod.

⑬ 🅱 (Bluetooth indicator)

∎

Set up menu

1 After installation of this unit, turn the ignition switch to ON.
SET UP appears.

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

3 Press M.C. to select.

4 Follow these steps to set the menu.
To proceed to the next menu option, you need to confirm your selection.

LANGUAGE (multi-language)

This unit can display the text information from a compressed audio file even for information embedded in English, Russian or Turkish.
• If the embedded language and the selected language setting are not the same, text information may not display properly.
• Some characters may not be displayed properly.
1 Turn **M.C.** to select the desired setting.
   ENG (English)—**PYC** (Russian)—**TUR** (Turkish)
2 Press **M.C.** to confirm the selection.

CLOCK SET (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)

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

5 To finish your settings, turn M.C. to select YES.
■ If you prefer to change your setting again, turn **M.C.** to switch to **NO**.

6 Press M.C. to select.

Notes
• You can set up the menu options from the system menu and initial menu. For details about the settings, refer to *System menu* on page 19 and *Initial menu* on page 23.
• 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.
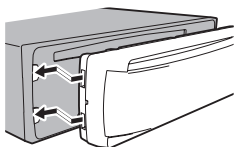
Using this unit

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

II

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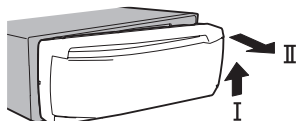
3 Always store the detached front panel in a protective case or bag.

Re-attaching the front panel
1 Slide the front panel to the left.

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

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.

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

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

Note

When this unit's blue/white lead is connected to the vehicle's auto-antenna relay control terminal, the vehicle's antenna extends when this unit's source is turned on. To retract the antenna, turn the source off. ■

Frequently used menu operations

Returning to the previous display
Returning to the previous list (the folder one level higher)
1 Press ⮌/**DIMMER**.

Returning to the ordinary display
Canceling the main menu
1 Press **BAND/⬳**.

Returning to the ordinary display from the list
1 Press **BAND/⬳**.

■

Radio

Basic operations

Selecting a band
1 Press **BAND/⬳** until the desired band (**FM1**, **FM2**,**FM3** for FM or **MW/LW**) is displayed.

Switching preset stations
1 Press ◄ or ►.
• Select **PCH** (preset channel) under **SEEK** to use this function.

Manual tuning (step by step)
1 Press ◄ or ►.
• Select **MAN** (manual tuning) under **SEEK** to use this function.

Seeking
1 Press and hold ◄ or ►, and then release.
You can cancel seek tuning by briefly pressing ◄ or ►.
While pressing and holding ◄ or ►, you can skip stations. Seek tuning starts as soon as you release ◄ or ►.

Notes

• For details about **SEEK**, refer to **SEEK** *(left/right key setting)* on page 7.
• This unit's AF (alternative frequencies search) function can be turned on and off. AF should be off for normal tuning operation (refer to **AF** *(alternative frequencies search)* on page 7).

Storing and recalling stations for each band

Using preset tuning buttons

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

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

Switching the display

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

Notes
- If the program service name cannot be acquired in **FREQUENCY**, the broadcast frequency is displayed instead. If the program service name is detected, the program service name will be displayed.
- Depending on the band, text information can be changed.
- Text information items that can be changed depend on the area.

Using PTY functions

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

Searching for an RDS station by PTY information
1 Press ⚲ (list).
2 Turn **M.C.** to select a program type.
   NEWS/INFO—POPULAR—CLASSICS—OTHERS
3 Press **M.C.** to begin the search.
   The unit searches for a station broadcasting that type of program. When a station is found, its program service name is displayed.
   - To cancel the search, press **M.C.** again.
   - The program of some stations may differ from that indicated by the transmitted PTY.
   - If no station is broadcasting the type of program you searched for, **NOT FOUND** is displayed for about two seconds and then the tuner returns to the original station.

PTY list

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

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

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 **SEEK** are available.

FM SETTING (FM sound quality settings)

The sound quality level can be set to match the broadcast signal conditions of the FM band signal.
1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to select the desired setting.
   - **STANDARD** – This is the standard setting.
   - **HI-FI** – This is the setting to use to prioritize the high quality of stereo sound.
   - **STABLE** – This is the setting to use to prioritize the low noise of monaural sound.

BSM (best stations memory)

BSM (best stations memory) automatically stores the six strongest stations in the order of their signal strength.
1 Press **M.C.** to turn BSM on.
To cancel, press **M.C.** again.

REGIONAL (regional)

When AF is used, the regional function limits the selection of stations to those broadcasting regional programs.
1 Press **M.C.** to turn the regional function on or off.

LOCAL (local seek tuning)

Local seek tuning allows you to tune in to only those radio stations with sufficiently strong signals for good reception.
1 Press **M.C.** to select the desired setting.
FM: **OFF**—**LV1**—**LV2**—**LV3**—**LV4**
MW/LW: **OFF**—**LV1**—**LV2**
The highest level setting allows reception of only the strongest stations, while lower levels allow the reception of weaker stations.

TA (traffic announcement standby)

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

AF (alternative frequencies search)

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

NEWS (news program interruption)

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

SEEK (left/right key setting)

You can assign a function to the left and right keys of the unit.
Select **MAN** (manual tuning) to tune up or down manually or select **PCH** (preset channel) to switch between preset channels.
1 Press **M.C.** to select **MAN** or **PCH**.

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CD/CD-R/CD-RW and USB storage devices

MTP connection

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

Notes
- This function is not compatible with MIXTRAX.
- This function is not compatible with WAV.

Basic operations

Playing a CD/CD-R/CD-RW
1 Insert the disc into the disc loading slot with the label side up.

Ejecting a CD/CD-R/CD-RW
1 Press ▲.

Playing songs on a USB storage device
1 Open the USB port cover.
2 Plug in the USB storage device using a USB cable.

Stopping playback of files on a USB storage device
1 You may disconnect the USB storage device at any time.

Selecting a folder
1 Press **1/∧** or **2/∨**.

Selecting a track
1 Press ◄ or ►.

Fast forwarding or reversing
1 Press and hold ◄ or ►.
- When playing compressed audio, there is no sound during fast forward or reverse.

Returning to root folder
1 Press and hold **BAND/⏏**.

Switching between compressed audio and CD-DA
1 Press **BAND/⏏**.

Switching between playback memory devices
You can switch between playback memory devices on USB storage devices with more than one Mass Storage Device-compatible memory device.
1 Press **BAND/⏏**.
- You can switch between up to 32 different memory devices.

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

Operations using the MIXTRAX button

Turning MIXTRAX on or off
Only for DEH-X5600BT
You can use this function when **USB** is selected as the source.
You cannot use this function with **USB MTP**.
1 Press **3**/**MIX** to turn MIXTRAX on or off.
- For more details about MIXTRAX, refer to *About MIXTRAX* on page 21.
- When MIXTRAX is in use, the sound retriever function is disabled.

Switching the display

Selecting the desired text information
1 Press **DISP** to cycle between the following:
   CD-DA
   - **ELAPSED TIME** (track number and playback time)
   - **CLOCK** (source name and clock)
   - **SPEANA** (spectrum analyzer)
   CD-TEXT
   - **TRACK INFO** (track title/track artist/disc title)
   - **ELAPSED TIME** (track number and playback time)
   - **CLOCK** (source name and clock)
   - **SPEANA** (spectrum analyzer)
   MP3/WMA/WAV
   - **TRACK INFO** (track title/artist name/album title)
   - **FILE INFO** (file name/folder name)
   - **ELAPSED TIME** (track number and playback time)
   - **CLOCK** (source name and clock)
   - **SPEANA** (spectrum analyzer)

Selecting and playing files/ tracks from the name list

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

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

Selecting a file or folder
1 Turn **M.C.**

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

Viewing a list of the files (or folders) in the selected folder
1 When a folder is selected, press **M.C.**

Playing a song in the selected folder
1 When a folder is selected, press and hold **M.C.**

Operations using special buttons

Selecting a repeat play range
1 Press **6**/⇄ to cycle between the following:
   CD/CD-R/CD-RW
   • **ALL** – Repeat all tracks
   • **ONE** – Repeat the current track
   • **FLD** – Repeat the current folder
   USB storage device
   • **ALL** – Repeat all files
   • **ONE** – Repeat the current file
   • **FLD** – Repeat the current folder

Playing tracks in random order
1 Press **5**/✕✕ to turn random play on or off.
   Tracks in a selected repeat range are played in
   random order.
• To change songs during random play, press ► to
   switch to the next track. Pressing ◄ restarts play-
   back of the current track from the beginning of
   the song.

Pausing playback
1 Press **4**/**PAUSE** to pause or resume.

Enhancing compressed audio and restoring rich
sound (sound retriever)
Only for DEH-4600BT
1 Press **3**/**S.Rtrv** to cycle between:
   1—**2**—**OFF** (off)
   1 is effective for low compression rates, and **2** is
   effective for high compression rates.

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

S.RTRV (sound retriever)

Automatically enhances compressed audio and re-
stores rich sound.
1 Press **M.C.** to select the desired setting.
   For details, refer to *Enhancing compressed audio
   and restoring rich sound (sound retriever)* on page
   9.

▣

iPod

Basic operations

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

Selecting a song (chapter)
1 Press ◄ or ►.

Selecting an album
1 Press **1**/∧ or **2**/∨.

Fast forwarding or reversing
1 Press and hold ◄ or ►.

Notes
• The iPod cannot be turned on or off when the
   control mode is set to
   CONTROL AUDIO/CTRL AUDIO.
• Disconnect headphones from the iPod before
   connecting it to this unit.
• The iPod will turn off about two minutes after
   the ignition is switched off.

Operations using the MIXTRAX button

Turning MIXTRAX on or off
Only for DEH-X5600BT
1 Press **3**/**MIX** to turn MIXTRAX on or off.
• For more details about MIXTRAX, refer to *About
   MIXTRAX* on page 21.

Switching the display

Selecting the desired text information
1 Press **DISP** to cycle between the following:
   • **TRACK INFO** (track title/artist name/album
      title)
   • **ELAPSED TIME** (track number and playback
      time)
   • **CLOCK** (source name and clock)
   • **SPEANA** (spectrum analyzer)

Browsing for a song

1 Press 🔍 to switch to the top menu of list search.

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

Changing the name of the song or category
1 Turn **M.C.**
Playlists—artists—albums—songs—podcasts—
genres—composers—audiobooks

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

Viewing a list of songs in the selected category
1 When a category is selected, press **M.C.**

Playing a song in the selected category
1 When a category is selected, press and hold **M.C.**

Searching the list by alphabet
1 When a list for the selected category is displayed, press 🔍 to switch to alphabet search mode.
   • You also can switch to alphabet search mode by turning **M.C.** twice.
2 Turn **M.C.** to select a letter.
3 Press **M.C.** to display the alphabetical list.
• To cancel searching, press ⭰/**DIMMER**.

Notes

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

Operations using special buttons

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

Selecting a random play range (shuffle)
1 Press **5**/✕✕ to cycle between the following:
   • **SNG** – Play back songs in the selected list in random order.
   • **ALB** – Play back songs from a randomly selected album in order.
   • **OFF** – Not play back in random order.

Playing all songs in random order (shuffle all)
1 Press and hold **5**/✕✕ to turn shuffle all on.
• To turn off shuffle all, select **OFF** in shuffle. For details, refer to *Selecting a random play range (shuffle)* on page 10.

Pausing playback
1 Press **4**/**PAUSE** to pause or resume.

Enhancing compressed audio and restoring rich sound (sound retriever)
Only for DEH-4600BT
1 Press **3**/**S.Rtrv** to cycle between:
   1—**2**—**OFF** (off)
   1 is effective for low compression rates, and **2** is effective for high compression rates.

Playing songs related to the currently playing song

You can play songs from the following lists.
• Album list of the currently playing artist
• Song list of the currently playing album
• Album list of the currently playing genre

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

2 Turn M.C. to change the mode; press to select.
   • **ARTIST** – Plays an album by the artist currently playing.
   • **ALBUM** – Plays a song from the album currently being played.

• **GENRE** – Plays an album from the genre currently being played.
The selected song/album will be played after the currently playing song.

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

Using this unit's iPod function from your iPod

This unit's iPod function can be controlled by using the connected iPod.
CONTROL iPod/CTRL iPod is not compatible with the following iPod models.
• iPod nano 1st generation
• iPod with video

● **Press BAND/ to switch the control mode.**
• **CONTROL iPod/CTRL iPod** – This unit's iPod function can be operated from the connected iPod.
• **CONTROL AUDIO/CTRL AUDIO** – This unit's iPod function can be controlled by using this unit.

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

Function settings

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

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

3 Turn M.C. to select the function.
Once selected, the following functions can be adjusted.
• **AUDIO BOOK** is not available when **CONTROL iPod/CTRL iPod** is selected in the control mode. For details, refer to *Using this unit's iPod function from your iPod* on page 11.

AUDIO BOOK (audiobook speed)

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

S.RTRV (sound retriever)

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1 Press **M.C.** to select the desired setting.
For details, refer to *Enhancing compressed audio and restoring rich sound (sound retriever)* on page 10.

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Using connected device applications

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

Important

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

Information for compatibility of connected devices

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

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

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

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

Starting procedure for iPhone users

1   Connect an iPhone to USB input.

2   Select WIRED in APP CONN. SET. For details, refer to APP CONN. SET *(APP connect mode setting)* **on page 20.**

3   Switch the source to APP.

4   Start up the application on the iPhone and initiate playback.

Starting procedure for smartphone users

1   Connect your smartphone to this unit using Bluetooth wireless technology. For details, refer to *Connection menu operation* **on page 14.**

2   Select BLUETOOTH in APP CONN. SET. For details, refer to APP CONN. SET *(APP connect mode setting)* **on page 20.**

3   Switch the source to APP.

4   Start up the application on the smartphone and initiate playback.

Using this unit

Basic operations

Selecting a track
1 Press ◄ or ►.

Fast forwarding or reversing
1 Press and hold ◄ or ►.

Pausing playback
1 Press **BAND**/⏏ to pause or resume.

Switching the display

Selecting the desired text information
1 Press **DISP** to cycle between the following:
  • **TRACK INFO** (track title/artist name/album title)
  • **APP NAME** (application name)
  • **ELAPSED TIME** (playback time)
  • **CLOCK** (source name and clock)
  • **SPEANA** (spectrum analyzer)

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.

S.RTRV (sound retriever)

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

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Using Bluetooth wireless technology

Using the Bluetooth telephone

↩ Important

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

Setting up for hands-free phoning

1 Connection
  Use the Bluetooth telephone connection menu.
  Refer to *Connection menu operation* on page 14.
2 Function settings
  Use the Bluetooth telephone function menu.
  Refer to *Phone menu operation* on page 16.

Basic operations

Making a phone call
1 Refer to *Phone menu operation* on page 16.

Answering an incoming call
1 When a call is received, press 📞 .

Ending a call
1 Press 📞 .

Rejecting an incoming call
1 When a call is received, press and hold 📞 .

Answering a call waiting
1 When a call is received, press 📞 .

Switching between callers on hold
1 Press **M.C.**

Canceling call waiting
1 Press and hold 📞 .

Adjusting the other party's listening volume
1 Press ◄ or ► while talking on the phone.
• When private mode is on, this function is not
  available.

Turning private mode on or off
1 Press **BAND**/⏏ while talking on the phone.

Note

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

Storing and recalling phone numbers

**1 To store: Press and hold down one of
the preset tuning buttons (1/∧ to 6/⇄).**
The functions below can be used to store
phone numbers to the memory. For details,
refer to *Phone menu operation* on page 16.
  • **MISSED** (missed call history)
  • **DIALLED** (dialed call history)
  • **RECEIVED** (received call history)
  • **PHONE BOOK** (phone book)

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

3 Press M.C. to make a call.

Switching the display

Selecting the desired text information
You can change the display during a call.
1 Press **DISP** to cycle between the following:
  • Call time
  • Name of other party
  • Number of other party

Using voice recognition

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

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

**2 Press M.C. and then talk into the micro-
phone to input voice commands.**
To end voice recognition mode, press **BAND**/
⏏.

Notes

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

Connection menu operation

Important

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

**1 Press and hold 📞 to display the con-
nection 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.

Using this unit

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

1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to select the name of a device you want to connect/disconnect.
   • Press and hold **M.C.** to swap between the Bluetooth device address and the device name.
3 Press **M.C.** to connect/disconnect the selected device.
   If the connection is established, ✳ is indicated on the device name.
• When no device is selected in the device list, this function is not available.

DEL DEVICE (deleting a device from the device list)

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

ADD DEVICE (connecting a new device)

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

A. CONN (connecting to a Bluetooth device automatically)

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

VISIBLE (setting the visibility of this unit)

Bluetooth visibility can be turned on so that other devices can discover the unit.
1 Press **M.C.** to turn the visibility of this unit on or off.

PIN CODE (PIN code input)

You must enter a PIN code on your device to confirm the Bluetooth connection. The default code is **0000**, but you can change it with this function.
1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to select a number.
3 Press **M.C.** to move the cursor to the next position.
4 After inputting PIN code, press and hold **M.C.**
   • After inputting, pressing **M.C.** returns you to the PIN code input display, and you can change the PIN code.

DEV. INFO (Bluetooth device address display)

1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to display the device information.
   Device name—Bluetooth device address

GUEST MODE (guest mode)

When this mode is turned on, if a pairing is attempted while there are already three devices paired together, the unit will move to the **DEL DEVICE** screen automatically and prompt you to delete a device. For details, refer to **DEL DEVICE** (deleting a device from the device list) on page 15.
1 Press **M.C.** to turn the guest mode on or off.

A. PAIRING (auto pairing)

If this function is turned on while there is an iPhone connected to the unit by USB, you will be automatically prompted to pair the unit and iPhone.
1 Press **M.C.** to turn auto pairing on or off.
• This function may not be available depending on what version of iOS you are using.

Phone menu operation

1 Press 📞 to display the phone menu.

2 Turn M.C. to select the function.
Once selected, the following functions can be adjusted.

MISSED (missed call history)
DIALLED (dialed call history)
RECEIVED (received call history)

1 Press **M.C.** to display the phone number list.
2 Turn **M.C.** to select a name or phone number.
3 Press **M.C.** to make a call.

PHONE BOOK (phone book)

The contacts on your phone will normally be transferred automatically when the phone is connected. If it is not, use your phone menu to transfer the contacts. The visibility of this unit should be on when you use the phone menu. Refer to **VISIBLE** (setting the visibility of this unit) on page 15.
1 Press **M.C.** to display **SEARCH** (alphabetical list).
2 Turn **M.C.** to select the first letter of the name you are looking for.
   • Press and hold **M.C.** to select the desired character type.
     TOP (alphabet)–**OΛA** (Greek alphabet)–**BCE** (Cyrillic alphabet)
3 Press **M.C.** to display a registered name list.
4 Turn **M.C.** to select the name you are looking for.
5 Press **M.C.** to display the phone number list.
6 Turn **M.C.** to select a phone number you want to call.
7 Press **M.C.** to make a call.

PRESET 1-6 (preset phone numbers)

1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to select the desired preset number.
3 Press **M.C.** to make a call.
• You can also use the preset number buttons **1/∧** to **6/⇄** to recall a preset phone number.
   For more details about storing phone numbers, refer to Storing and recalling phone numbers on page 14.

PHONE FUNC (phone function)

You can set **A. ANSR**, **R.TONE** and **PB INVT** from this menu. For details, refer to Function and operation on page 16.

Function and operation

1 Display PHONE FUNC.
Refer to **PHONE FUNC** (phone function) on page 16.

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

3 Turn M.C. to select the function.
Once selected, the following functions can be adjusted.

A. ANSR (automatic answering)

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

Using this unit

R.TONE (ring tone select)

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

PB INVT (phone book name view)

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

Bluetooth Audio

🔷 Important

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

Setting up for Bluetooth audio

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

1️⃣ Connection
Use the Bluetooth telephone connection menu. Refer to *Connection menu operation* on page 14.

Basic operations

Fast forwarding or reversing
1️⃣ Press and hold ◄ or ►.

Selecting a track
1️⃣ Press ◄ or ►.

Starting playback
1️⃣ Press **BAND/◄⌐**.

Switching the display

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

Operations using special buttons

Selecting a repeat play range
1️⃣ Press **6/⮐** to select a repeat play range from one or all.
- This function may not be available depending on the type of Bluetooth audio player connected.
- The repeat play range varies depending on the Bluetooth audio player in use.

Playing tracks in random order
1️⃣ Press **5/✕✕** to turn random play on or off.
- The random play range varies depending on the Bluetooth audio player in use.

Pausing playback
1 Press **4/PAUSE** to pause or resume.

Enhancing compressed audio and restoring rich sound (sound retriever)
Only for DEH-4600BT
1 Press **3/S.Rtrv** to cycle between:
1—**2**—**OFF** (off)
1 is effective for low compression rates, and **2** is effective for high compression rates.

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.

S.RTRV (sound retriever)

1 Press **M.C.** to select the desired setting.
For details, refer to *Enhancing compressed audio and restoring rich sound (sound retriever)* on page 18.

▪

Audio adjustments

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

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

3 Turn M.C. to select the audio function.
Once selected, the following audio functions can be adjusted.
- **FADER** is not available when **SUB.W/SUB.W** is selected in **SP-P/O MODE**. For details, refer to

SP-P/O MODE *(rear output and preout setting)* on page 23.
- **SUB.W** and **SUB.W CTRL** are not available when **REAR/REAR** is selected in **SP-P/O MODE**. For details, refer to **SP-P/O MODE** *(rear output and preout setting)* on page 23.
- **SUB.W CTRL** is not available when **SUB.W** is selected in **OFF**. For details, refer to **SUB.W** *(subwoofer on/off setting)* on page 19.
- **SLA** is not available when FM is selected as the source.

FADER (fader adjustment)

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

BALANCE (balance adjustment)

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

EQ SETTING (equalizer recall)

1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to select the equalizer.
POWERFUL—**NATURAL**—**VOCAL**—**CUSTOM1**—**CUSTOM2**—**FLAT**—**SUPER BASS**
The equalizer band and equalizer level can be customized when **CUSTOM1** or **CUSTOM2** is selected.
If selecting **CUSTOM1** or **CUSTOM2**, complete the procedures outlined below. If selecting other options, press **M.C.** to return to the previous display.
- **CUSTOM1** can be set separately for each source. However, each of the below combinations are set to the same setting automatically.
  - **USB**, **iPod** and **APP** (iPhone)
  - **BT AUDIO** and **APP** (smartphone)
- **CUSTOM2** is a shared setting used in common for all sources.
3 Press **M.C.** to display the setting mode.
4 Press **M.C.** to cycle between the following:
Equalizer band—Equalizer level
5 Turn **M.C.** to select the desired setting.
Equalizer band: **80HZ**—**250HZ**—**800HZ**—**2.5KHZ**—**8KHZ**
Equalizer level: **+6** to **–6**

Using this unit

LOUDNESS (loudness)

Loudness compensates for deficiencies in the low-frequency and high-frequency ranges at low volume.
1 Press **M.C.** to select the desired setting.
OFF (off)—**LOW** (low)—**MID** (mid)—**HI** (high)

SUB.W (subwoofer on/off setting)

This unit is equipped with a subwoofer output which can be turned on or off.
1 Press **M.C.** to select the desired setting.
NOR (normal phase)—**REV** (reverse phase)—**OFF** (subwoofer off)

SUB.W CTRL (subwoofer adjustment)

Only frequencies lower than those in the selected range are outputted from the subwoofer.
1 Press **M.C.** to display the setting mode.
2 Press **M.C.** to cycle between the following:
Cut-off frequency—Output level—Slope level
Rates that can be adjusted will flash.
3 Turn **M.C.** to select the desired setting.
Cut-off frequency: **50HZ**—**63HZ**—**80HZ**—**100HZ**—**125HZ**—**160HZ**—**200HZ**
Output level: **–24** to **+6**
Slope level: **–12**— **–24**

BASS BOOST (bass boost)

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 SETTING (high pass filter adjustment)

Use this function when wanting to listen only to high-frequency sounds. Only frequencies higher than the high-pass filter (HPF) cutoff are output from the speakers.
1 Press **M.C.** to display the setting mode.
2 Press **M.C.** to cycle between the following:
Cut-off frequency—Slope level
3 Turn **M.C.** to select the desired setting.
Cut-off frequency: **OFF**—**50HZ**—**63HZ**—**80HZ**—**100HZ**—**125HZ**—**160HZ**—**200HZ**
Slope level: **–12**— **–24**

SLA (source level adjustment)

This function prevents the volume from changing too dramatically when the source switches.
• Settings are based on the FM volume level, which remains unchanged.
• The MW/LW volume level can also be adjusted with this function.
• Each of the below combinations are set to the same setting automatically.
  • **USB**, **iPod** and **APP** (iPhone)
  • **BT AUDIO** and **APP** (smartphone)
1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to adjust the source volume.
Adjustment range: **+4** to **–4**

▪

System menu

⊖ **Important**

PW SAVE (power saving) is canceled if the vehicle battery is disconnected and will need to be turned back on once the battery is reconnected. When **PW SAVE** (power saving) is off, depending on connection methods, the unit may continue to draw power from the battery if your vehicle's ignition doesn't have an ACC (accessory) position.

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

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

3 Turn M.C. to select the system menu function.
Once selected, the following system menu functions can be adjusted.
• **INFO DISPLAY** and **BRIGHTNESS** are not available for DEH-4600BT.

LANGUAGE (multi-language)

1 Turn **M.C.** to select the desired setting.
ENG (English)—**PYC** (Russian)—**TUR** (Turkish)

CLOCK SET (setting the clock)

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

12H/24H (time notation)

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

INFO DISPLAY (sub information)

The type of text information displayed in the sub information section can be toggled.
1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to select the desired setting.
   SPEANA—**LEVEL METER**—**SOURCE**—**CLOCK**—**OFF**
• The signal bar indicator displays for **SPEANA** or **LEVEL METER** when the source is set to **RADIO**.

AUTO PI (auto PI seek)

The unit can automatically search for a different station with the same programming, even during preset recall.
1 Press **M.C.** to turn Auto PI seek on or off.

AUX (auxiliary input)

Activate this setting when using an auxiliary device connected to this unit.
1 Press **M.C.** to turn **AUX** on or off.

DIMMER (dimmer)

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

BRIGHTNESS (brightness adjustment)

You can use this setting to adjust the display brightness.
The range of settings available for **BRIGHTNESS** will vary depending on whether **DIMMER** is on or off. For details, refer to **DIMMER** *(dimmer)* on page 20.
1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to select the desired setting.
   DIMMER on: **1** to **4**
   DIMMER off: **1** to **5**

BT AUDIO (Bluetooth audio activation)

You need to activate the **BT AUDIO** source in order to use a Bluetooth audio player.
1 Press **M.C.** to turn the **BT AUDIO** source on or off.

PW SAVE (power saving)

Switching this function on enables you to reduce the consumption of battery power.
• Turning on the source is the only operation allowed when this function is on.
1 Press **M.C.** to turn the power save on or off.

BT MEM CLEAR (clearing the Bluetooth device data stored on this unit)

Bluetooth device data stored on this unit can be cleared. To protect your personal information, clear the device memory before you pass the unit on to someone else. The following information will be deleted.
Device list/PIN code/call history/phone book/preset phone numbers
1 Press **M.C.** to show the confirmation display.
   YES is displayed. Clearing memory is now on standby.
   If you do not want to clear the Bluetooth device data stored on this unit, turn **M.C.** to display **CANCEL** and press it again to select.
2 Press **M.C.** to clear the memory.
   CLEARED is displayed and the Bluetooth device data is cleared.
• While this function is in use, do not turn off the engine.

BT VERSION (Bluetooth version display)

You can display the system versions of this unit and of Bluetooth module.
1 Press **M.C.** to display the information.

APP CONN. SET (APP connect mode setting)

Select an appropriate option for your connected device.
1 Press **M.C.** to select the desired setting.
   WIRED (for iPhone)—**BLUETOOTH** (for smartphone)
• This setting is not available when the source is set to **APP**.

▣

Selecting the illumination color

Only for DEH-X5600BT

Illumination function menu

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

Using this unit

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

3   Turn M.C. to select the illumination function.
Once selected, the following audio functions can be adjusted.

KEY COLOUR (key section color setting)

You can select desired colors for the keys of this unit.
1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to select the illumination color.
  • Preset colors (ranging from **WHITE** to **BLUE**)
  • **SCAN** (cycle through a variety of colors automatically)
  • **CUSTOM** (customized illumination color)

DISP COLOUR (display section color setting)

You can select the desired colors for the display of this unit.
1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to select the illumination color.
  • Preset colors (ranging from **WHITE** to **BLUE**)
  • **SCAN** (cycle through a variety of colors automatically)
  • **CUSTOM** (customized illumination color)

BOTH COLOUR (key and display color setting)

You can select the desired colors for the keys and display of this unit.
1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to select the illumination color.
  • Preset colors (ranging from **WHITE** to **BLUE**)
  • **SCAN** (cycle through a variety of colors automatically)

PHONE COLOUR (phone color setting)

Selecting the key colors displayed when a call is received
1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to select the illumination color.
  • **FLASHING** – The color selected from **KEY COLOUR** flashes.
  • **FLASH MODE1** to **FLASH MODE6** – The system automatically cycles through all available key colors for this unit. Select the desired mode.
  • **OFF** – No change in key color made when incoming calls are received.

ILLUMI FX (illumination effect mode)

In this mode, an illumination effect can be seen on the display at certain times such as when the ACC power is turned on/off or a CD is inserted/ejected.
1 Press **M.C.** to turn **ILLUMI FX** on or off.
  • The illumination effect will activate when the ACC power is turned on/off regardless of whether the **ILLUMI FX** setting is on or off.

Note
When **CUSTOM** is selected, the customized color saved is selected.

Customizing the illumination color

You can create custom illumination colors for both **KEY COLOUR** and **DISP COLOUR**.

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

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

3   Turn M.C. to display KEY COLOUR or DISP COLOUR. Press to select.

4   Press M.C. and hold until the customizing illumination color setting appears in the display.

5   Press M.C. to select the primary color.
R (red)—**G** (green)—**B** (blue)

6   Turn M.C. to adjust the brightness level.
Adjustment range: **0** to **60**
■ You cannot select a level below **20** for all three of **R** (red), **G** (green), and **B** (blue) at the same time.
■ You can also perform the same operation on other colors.

Note
You cannot create a custom illumination color while **SCAN** is selected. ■

About MIXTRAX

Only for DEH-X5600BT

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

Notes

- Depending on the file/song, sound effects may not be available.
- Turn MIXTRAX off if the visual effects it produces have adverse effects on driving. Refer to *Operations using the MIXTRAX button* on page 8.

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 PLAYBCK (short playback mode)

You can select the length of the playback time.
1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to select the desired setting.
1.0 MIN (1.0 minute)—**1.5 MIN** (1.5 minutes)—
2.0 MIN (2.0 minutes)—**2.5 MIN** (2.5 minutes)—
3.0 MIN (3.0 minutes)—**OFF** (off)

FLASH AREA (flash area)

You can select areas for flashing colors.
1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to select the desired setting.
KEY/DISPLAY (key and display)—**KEY** (key)—**OFF** (off)
- When **OFF** is selected, the color set under **ILLUMI** is used as the display color.

FLASH PATTERN (flash pattern)

The flashing color and MIXTRAX special effects display change with changes in the sound and bass levels.
1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to select the desired setting.
- **SOUND LEVEL 1** to **SOUND LEVEL 6** – The flash pattern changes according to the sound level. Select a desired mode.
- **LOW PASS 1** to **LOW PASS 6** – The flash pattern changes according to the bass level. Select a desired mode.
- **RANDOM 1** – The flash pattern changes randomly according to the sound level mode and low pass mode.
- **RANDOM 2** – The flash pattern changes randomly according to the sound level mode.
- **RANDOM 3** – The flash pattern changes randomly according to the low pass mode.

DISPLAY FX (display effect)

The MIXTRAX special effects display can be turned on or off.
1 Press **M.C.** to select the desired setting.
ON (MIXTRAX special effects display)—**OFF** (normal display)

CUT IN FX (manual cut-in effect)

You can turn on or off the MIXTRAX sound effects while manually changing tracks.
1 Press **M.C.** to select the desired setting.
ON (on)—**OFF** (off)

▣

Using this unit

Initial menu

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

2   Press and hold SRC/OFF until the main menu appears in the display.

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

4   Turn M.C. to select the initial menu function.
Once selected, the following initial menu functions can be adjusted.

FM STEP (FM tuning step)

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

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

The rear speaker leads output and the RCA output of this unit can be used to connect a full-range speaker or subwoofer. Select a suitable option for your connection.
1 Press **M.C.** to display the setting mode.
2 Turn **M.C.** to select the desired setting.
   • **REAR/SUB.W** – Select when there is a full-range speaker connected to the rear speaker leads output and there is a subwoofer connected to the RCA output.
   • **SUB.W/SUB.W** – Select when there is a subwoofer connected directly to the rear speaker leads output without any auxiliary amp and there is a subwoofer connected to the RCA output.
   • **REAR/REAR** – Select when there is a full-range speaker connected to the rear speaker leads output and the RCA output.
   If there is a full-range speaker connected to the rear speaker leads output and the RCA output is not used, you may select either **REAR/SUB.W** or **REAR/REAR**.

S/W UPDATE (updating the software)

This function is used to update this unit with the latest Bluetooth software. For about Bluetooth software and updating, refer to our website.
•   Never turn the unit off while the Bluetooth software is being updated.
1 Press **M.C.** to start updating.
   Follow the on-screen instructions to finish updating the Bluetooth software.

▣

System menu

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

2   Press and hold SRC/OFF 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 19. ▣

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 20.

Switching the display

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

If an unwanted display appears

Turn off the unwanted display using the procedures listed below.

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

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

3   Turn M.C. to display DEMO OFF and press to select.

4   Turn M.C. to switch to YES.

5   Press M.C. to select. ▣

Additional information

Troubleshooting

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

The display automatically returns to the ordinary display.

You did not perform any operation within about 30 seconds.
Perform operation again.

The repeat play range changes unexpectedly.

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

A subfolder is not played back.

Subfolders cannot be played when **FLD** (folder repeat) is selected.
Select another repeat play range.

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

There is no embedded text information.
Switch the display or play another track/file.

The unit is malfunctioning.
There is interference.

You are using a device, such as a cellular phone, that may cause audible interference.
Move electrical devices that may be causing the interference away from the unit.

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

There is a call in progress on a Bluetooth connected cellular phone.
The sound will be played back when the call is terminated.

A Bluetooth connected cellular phone is currently being operated.
Do not use the cellular phone at this time.

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

◾

Error messages

When you contact your dealer or your nearest Pioneer Service Center, be sure to note the error message.
Symptoms are written in bold and causes in regular, non-indented text. Regular, indented text is used to indicate actions to be taken.

Common

AMP ERROR

This unit fails to operate or the speaker connection is incorrect; the protective circuit is activated.
Check the speaker connection. If the message fails to disappear even after the engine is switched off/on, contact your dealer or an authorized Pioneer Service Station for assistance.

CD player

ERROR-07, 11, 12, 17, 30

The disc is dirty.
Clean the disc.

The disc is scratched.
Replace the disc.

ERROR-07, 10, 11, 12, 15, 17, 30, A0

There is an electrical or mechanical error.
Turn the ignition switch OFF and back ON, or switch to a different source, then back to the CD player.

ERROR-15

The inserted disc is blank.
Replace the disc.

Additional information

ERROR-23

Unsupported CD format.
    Replace the disc.

FORMAT READ

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

NO AUDIO

The inserted disc does not contain any playable
files.
    Replace the disc.

SKIPPED

The inserted disc contains DRM protected files.
    The protected files are skipped.

PROTECT

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

USB storage device/iPod

FORMAT READ

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

NO AUDIO

There are no songs.
    Transfer the audio files to the USB storage
    device and connect.
The connected USB storage device has security
enabled.
    Follow the USB storage device instructions to
    disable the security.

SKIPPED

The connected USB storage device contains
DRM protected files.
    The protected files are skipped.

PROTECT

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

N/A USB

The connected USB device is not supported by
this unit.
    • Connect a USB Mass Storage Class
    compliant device.
    • Disconnect your device and replace it with a
    compatible USB storage device.

CHECK USB

The USB connector or USB cable has short-
circuited.
    Check that the USB connector or USB cable is
    not caught in something or damaged.

CHECK USB

The connected USB storage device consumes
more than maximum allowable current.
    Disconnect the USB storage device and do not
    use it. Turn the ignition switch to OFF, then to
    ACC or ON and then connect only compliant
    USB storage devices.

CHECK USB

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

ERROR-19

Communication failed.
    Perform one of the following operations.
    –Turn the ignition switch OFF and back ON.
    –Disconnect the USB storage device.
    –Change to a different source.
    Then, return to the USB source.
iPod failure.
    Disconnect the cable from the iPod. Once the
    iPod's main menu is displayed, reconnect the
    iPod and reset it.

ERROR-23

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

ERROR-16

The iPod firmware version is old.
    Update the iPod version.

Additional information

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

STOP

There are no songs in the current list.
Select a list that contains songs.

NOT FOUND

No related songs.
Transfer songs to the iPod.

Bluetooth device

ERROR-10

The power failed for the Bluetooth module of this unit.
Turn the ignition switch OFF and then to ACC or ON.
If the error message is still displayed after performing the above action, please contact your dealer or an authorized Pioneer Service Station.

Apps

NO BT DEVICE GO TO BT MENU TO REGISTER

No Bluetooth device found.
Follow the instructions that appear on the screen.

CONN. FAILED PRESS BAND KEY TO RETRAY

Bluetooth connection failed.
Follow the instructions that appear on the screen.

DISCONNECTED PRESS BAND KEY TO RETRAY

Bluetooth connection failed.
Follow the instructions that appear on the screen.

CHECK APP

Connection to the application failed.
Follow the instructions that appear on the screen.

START UP APP

The application has not started running yet.
Follow the instructions that appear on the screen.

◼

Handling guidelines

Discs and player

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

Use 12-cm discs.

Use only conventional, fully circular discs.

The following types of discs cannot be used with this unit:
• DualDiscs
• 8-cm discs: Attempts to use such discs with an adaptor may cause the unit to malfunction.
• Oddly shaped discs

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

Do not touch the recorded surface of the discs.

Store discs in their cases when not in use.

Do not attach labels, write on or apply chemicals to the surface of the discs.

To clean a CD, wipe the disc with a soft cloth outward from the center.

Condensation may temporarily impair the player's performance. Let it rest for about one hour to adjust to a warmer temperature. Also, wipe any damp discs off with a soft cloth.

Additional information

Additional information

Playback of discs may not be possible because of disc characteristics, disc format, recorded application, playback environment, storage conditions, and so on.

Road shocks may interrupt disc playback.

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

Do not attach commercially available labels or other materials to the discs.
- The discs may warp making the disc unplayable.
- The labels may come off during playback and prevent ejection of the discs, which may result in damage to the equipment.

USB storage device

Connections via USB hub are not supported.

Do not connect anything other than a USB storage device.

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

Depending on the USB storage device, the following problems may occur.
- Operations may vary.
- The storage device may not be recognized.
- Files may not be played back properly.
- The device may cause audible interference when you are listening to the radio.

iPod

Do not leave the iPod in places with high temperatures.

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

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

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

■

Compressed audio compatibility (disc, USB)

WMA

File extension: .wma

Bit rate: 48 kbps to 320 kbps (CBR), 48 kbps to 384 kbps (VBR)

Sampling frequency: 32 kHz, 44.1 kHz, 48 kHz

Windows Media™ Audio Professional, Lossless, Voice/DRM Stream/Stream with video: Not compatible

MP3

File extension: .mp3

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

Sampling frequency: 8 kHz to 48 kHz (32 kHz, 44.1 kHz, 48 kHz for emphasis)

Compatible ID3 tag version: 1.0, 1.1, 2.2, 2.3, 2.4 (ID3 tag Version 2.x is given priority over Version 1.x.)

M3u playlist: Not compatible

MP3i (MP3 interactive), mp3 PRO: Not compatible

WAV

File extension: .wav

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

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

Additional information

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

Supplemental information

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

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

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

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

Disc

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

Playable 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.

USB storage device

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

Playable folders: up to 500

Playable files: up to 15 000

Playback of copyright-protected files: Not compatible

Partitioned USB storage device: Only the first partition can be played.

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

⚠ CAUTION
- Pioneer cannot guarantee compatibility with all USB mass storage devices and assumes no responsibility for any loss of data on media players, smart phones, or other devices while using this product.
- Do not leave discs or a USB storage device in any place that is subject to high temperatures. ▣

iPod compatibility

This unit supports only the following iPod models. Supported iPod software versions are shown below. Older versions may not be supported.
Made for
- iPod touch (5th generation)
- iPod touch (4th generation)
- iPod touch (3rd generation)
- iPod touch (2nd generation)
- iPod touch (1st generation)
- iPod classic
- iPod with video
- iPod nano (7th generation)
- iPod nano (6th generation)
- iPod nano (5th generation)
- iPod nano (4th generation)
- iPod nano (3rd generation)
- iPod nano (2nd generation)
- iPod nano (1st generation)
- iPhone 5
- iPhone 4S
- iPhone 4
- iPhone 3GS
- iPhone 3G
- iPhone

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

Operations may vary depending on the software version of iPod.

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

Additional information

Additional information

Users of iPod with the Dock Connector should use CD-IU51. For details, consult your dealer.

About the file/format compatibility, refer to the iPod manuals.
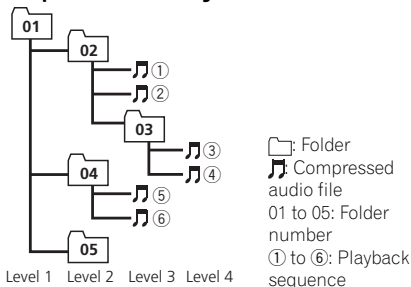
Audiobook, Podcast: Compatible

⚠ CAUTION

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

Sequence of audio files

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

Example of a hierarchy

🗀: Folder
🎵: Compressed audio file
01 to 05: Folder number
① to ⑥: Playback sequence

Level 1   Level 2   Level 3   Level 4

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

USB storage device
Playback sequence is the same as recorded sequence in the USB storage device.
To specify the playback sequence, the following method is recommended.
1. Create a file name that includes numbers that specify the playback sequence (e.g., 001xxx.mp3 and 099yyy.mp3).
2. Put those files into a folder.
3. Save the folder containing files on the USB storage device.

However, depending on the system environment, you may not be able to specify the playback sequence.
For USB portable audio players, the sequence is different and depends on the player. ◼

Russian character chart

D: C	D: C	D: C	D: C	D: C
А: А	Б: Б	В: В	Г: Г	Д: Д
Е: Е, Ё	Ж: Ж	З: З	И: И, Й	К: К
Л: Л	М: М	Н: Н	О: О	П: П
Р: Р	С: С	Т: Т	У: У	Ф: Ф
Х: Х	Ц: Ц	Ч: Ч	Ш: Ш, Щ	': Ъ
Ы: Ы	Ь: Ь	Э: Э	Ю: Ю	Я: Я

D: Display **C**: Character

◼

Bluetooth profiles

In order to use Bluetooth wireless technology, devices must be able to interpret certain profiles. This unit is compatible with the following profiles.
• GAP (Generic Access Profile)
• OPP (Object Push Profile)
• HFP (Hands Free Profile) 1.5
• PBAP (Phone Book Access Profile)
• A2DP (Advanced Audio Distribution Profile)
• AVRCP (Audio/Video Remote Control Profile) 1.3
• SPP (Serial Port Profile) 1.1 ◼

Additional information

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Android™
Android is a trademark of Google Inc.

MIXTRAX
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Additional information

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 × 15 mm (DEH-X5600BT)
Nose .... 188 mm × 58 mm × 16 mm (DEH-4600BT)
D
Chassis .... 178 mm × 50 mm × 165 mm
Nose .... 170 mm × 46 mm × 15 mm (DEH-X5600BT)
Nose .... 170 mm × 46 mm × 16 mm (DEH-4600BT)
Weight .... 1 kg

Audio

Maximum power output .... 50 W × 4
70 W × 1/2 Ω (for subwoofer)
Continuous power output .... 22 W × 4 (50 Hz to 15 000 Hz, 5 % THD, 4 Ω load, both channels driven)
Load impedance .... 4 Ω (4 Ω to 8 Ω allowable)
Preout maximum output level
.... 2.0 V
Loudness contour .... +10 dB (100 Hz), +6.5 dB (10 kHz) (volume: –30 dB)
Equalizer (5-Band Graphic Equalizer):
Frequency .... 80 Hz/250 Hz/800 Hz/ 2.5 kHz/8 kHz
Equalization range .... ±12 dB (2 dB step)
Subwoofer (mono):
Frequency .... 50 Hz/63 Hz/80 Hz/100 Hz/ 125 Hz/160 Hz/200 Hz
Slope .... –12 dB/oct, –24 dB/oct
Gain .... +6 dB to –24 dB
Phase .... Normal/Reverse

CD player

System .... Compact disc audio system
Usable discs .... Compact disc
Signal-to-noise ratio .... 94 dB (1 kHz) (IEC-A network)

Number of channels .... 2 (stereo)
MP3 decoding format .... MPEG-1 & 2 Audio Layer 3
WMA decoding format .... Ver. 7, 7.1, 8, 9, 10, 11, 12 (2 ch audio) (Windows Media Player)
WAV signal format .... Linear PCM & MS ADPCM (Non-compressed)

USB

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

FM tuner

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

MW tuner

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

Bluetooth

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

Note

Specifications and the design are subject to modifications without notice. ◼
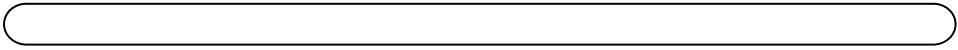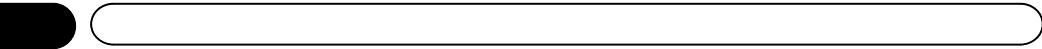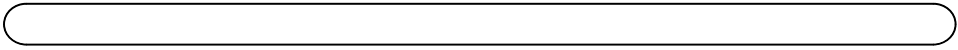
http://www.pioneer.eu

Visit **www.pioneer.co.uk** (or **www.pioneer.eu**) to register your product.

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