Pioneer

CD RDS RECEIVER

DEH-S5000BT
DEH-S5010BT
DEH-S4000BT
DEH-S4010BT

Owner's Manual

pandora®

Spotify®

Made for iPhone

Bluetooth®

Important (Serial number)
The serial number is located on the bottom of this unit. For your own security and convenience, be sure to record this number on the enclosed warranty card.

Table of Contents

English

About this manual:

- In the following instructions, a USB memory or USB audio player are referred to as "USB device".
- When an iPhone is connected to the unit, the source name on the unit appears as [iPod]. Please note that this unit supports only iPhones (iPhone 5 or later) regardless of the source name (for details, refer to page 50).

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.

FCC ID: EW4C95
MODEL NO.: DEH-S5000BT/DEH-S5010BT/DEH-S4000BT/DEH-S4010BT
IC: 4250A-C95
This device complies with Part 15 of FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.
This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.
The Bluetooth antenna cannot be removed (or replaced) by user.
This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

Note
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
–Reorient or relocate the receiving antenna.
–Increase the separation between the equipment and receiver.
–Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
–Consult the dealer or an experienced radio/TV technician for help.

The Safety of Your Ears is in Your Hands

Get the most out of your equipment by playing it at a safe level—a level that lets the sound come through clearly without annoying blaring or distortion and, most importantly, without affecting your sensitive hearing. Sound can be deceiving.

Over time, your hearing "comfort level" adapts to higher volumes of sound, so what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

ESTABLISH A SAFE LEVEL:
• Set your volume control at a low setting.
• Slowly increase the sound until you can hear it comfortably and clearly, without distortion.
• Once you have established a comfortable sound level, set the dial and leave it there.

BE SURE TO OBSERVE THE FOLLOWING GUIDELINES:
• Do not turn up the volume so high that you can't hear what's around you.
• Use caution or temporarily discontinue use in potentially hazardous situations.
• Do not use headphones while operating a motorized vehicle; the use of headphones may create a traffic hazard and is illegal in many areas.

English

⚠ 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:
USE OF CONTROL OR ADJUSTMENT OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
CAUTION:
THE USE OF OPTICAL INSTRUMENTS WITH THIS PRODUCT WILL INCREASE EYE HAZARD.

⚠ CAUTION

• Do not allow this unit to come into contact with moisture and/or liquids. Electrical shock could result. Also, damage to this unit, smoke, and overheating could result from contact with liquids.
• Always keep the volume low enough to hear outside sounds.
• This product is evaluated in moderate and tropical climate condition under the Audio, video and similar electronic apparatus - Safety requirements, IEC 60065.

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

CLASS 1 LASER PRODUCT

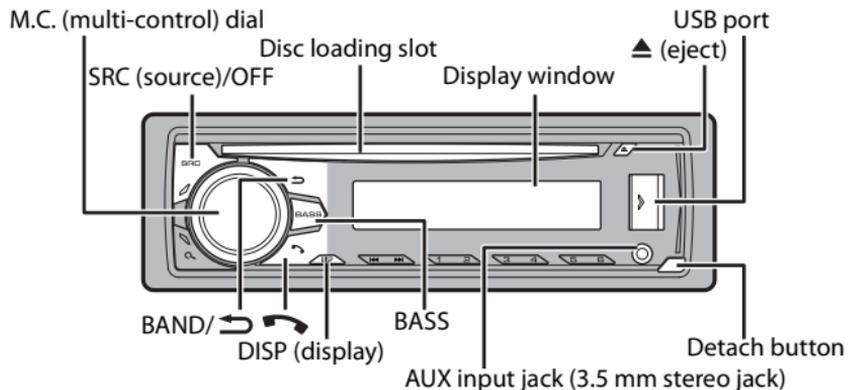
After-sales service for Pioneer products

Please contact the dealer, distributor from where you purchased this unit or the authorized PIONEER Service Station for after-sales service or any other information. In case the necessary information is not available, please contact the companies listed below:
Please do not ship your unit to the companies at the addresses listed below for repair without contacting them in advance.

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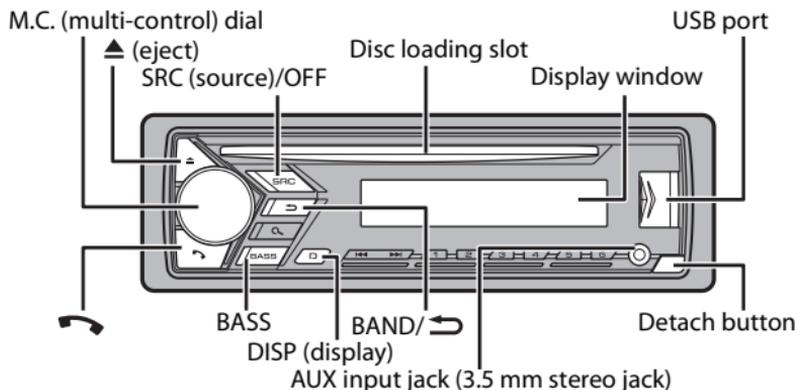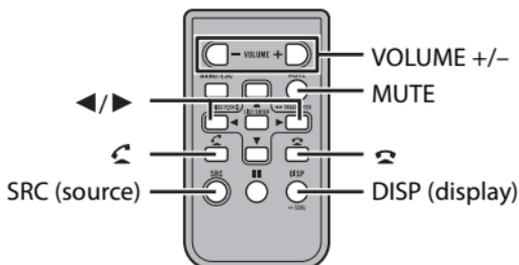# Getting Started

Basic operation

DEH-S5000BT/S5010BT

M.C. (multi-control) dial

SRC (source)/OFF

Disc loading slot

Display window

USB port
⏏ (eject)

BAND/↩ ☎

DISP (display)

BASS

AUX input jack (3.5 mm stereo jack)

Detach button

DEH-S4000BT/S4010BT

M.C. (multi-control) dial
▲ (eject)
SRC (source)/OFF

Disc loading slot

USB port

Display window

English

BASS
DISP (display)
BAND/↩
AUX input jack (3.5 mm stereo jack)

Detach button

Remote Control

VOLUME +/–

◀/▶

MUTE

SRC (source)

DISP (display)

Frequently used operations

The available buttons vary depending on the unit.

Purpose	Operation	
	Head Unit	**Remote Control**
Turn on the power*	Press **SRC**/**OFF** to turn on the power. Press and hold **SRC**/**OFF** to turn off the power.	Press **SRC** to turn on the power. Press and hold **SRC** to turn off the power.

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Purpose	Operation	
	Head Unit	**Remote Control**
Adjust the volume	Turn the **M.C.** dial.	Press **VOLUME +** or **–**. Press **MUTE** to mute the unit. Press **MUTE** again or press **VOLUME +** or **–** to unmute.
Select a source	Press **SRC**/**OFF** repeatedly.	Press **SRC** repeatedly.
Change the display information	Press **DISP** repeatedly.	Press **DISP** repeatedly.
Return to the previous display/list	Press **BAND**/🔙 .	Press ◀/▶ to select the next/previous folder.
Return to the normal display from the menu	Press and hold **BAND**/🔙 .	–
Change the display brightness	Press and hold **BAND**/🔙 .	–
Answering a call	Press 📞.	Press 📞.
Ending a call	Press 📞.	Press 📞.
Boost the bass level	Press **BASS**.	–

* 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.

Display indication

| Indication	Description
⋗	Appears when a lower tier of the menu or folder exists.
Q	Appears when the Q button is pressed.
BASS	Appears when the **BASS** button is pressed or [HI]/[LOW] is selected in [D.BASS] (page 31).
⤨	Appears when random/shuffle play is set (except when BT AUDIO is selected as the source).
⇄	Appears when repeat play is set (except when BT AUDIO is selected as the source).
ⓑ	Appears when a Bluetooth connection is made (page 15).

English

Detaching the front panel

Detach the front panel to prevent theft. Remove any cables and devices attached to the front panel and turn off the unit before detaching it.
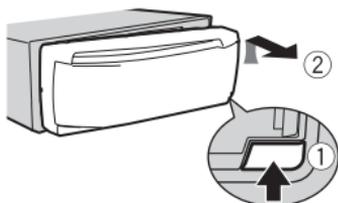
Detach   **Attach**
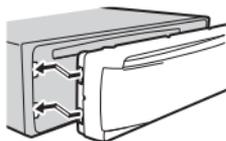
Important

• Avoid subjecting the front panel to excessive shock.
• Keep the front panel out of direct sunlight and high temperatures.
• Always store the detached front panel in a protective case or bag.

Resetting the microprocessor

The microprocessor must be reset in the following situations:
  – Before using this unit for the first time after installation
  – If the unit fails to operate properly
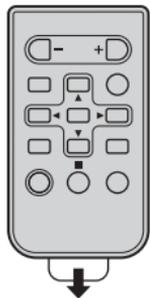 – When strange or incorrect messages appear on the display

1 Remove the front panel (page 8).

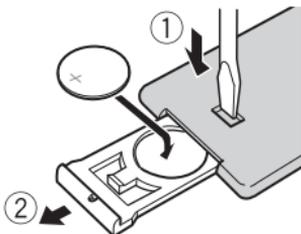**2 Press the RESET button with a pointed instrument longer than 8 mm.**

RESET button

Preparing the remote control

Remove the insulation sheet before use.

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How to replace the battery

Insert the CR2025 (3 V) battery with the plus (+) and minus (–) poles orientated properly.

⚠ WARNING

- Do not ingest the battery, Chemical Burn Hazard.
  (The remote control supplied with) This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
  Keep new and used batteries away from children.
  If the battery compartment does not close securely, stop using the product and keep it away from children.
  If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- Do not expose the battery or remote control to excessive heat such as direct sunlight or fire.

⚠ CAUTION

- There is a potential danger of explosion if the battery is incorrectly replaced. When replacing the battery, replace it with the same type.
- Do not handle or store the battery with metallic tools or objects.
- If the battery leaks, remove the battery and wipe the remote control completely clean. Then install a new battery.
- When disposing of used batteries, please comply with governmental regulations or environmental public institutions' rules that apply in your country/area.
- "Perchlorate Material - special handling may apply."

Important

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

Setup menu

When you turn the ignition switch to ON after installation, the setup menu appears in the display.

1 Turn the M.C. dial to select the options, then press to confirm.

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

Menu Item	Description
LANGUAGE [ENG](English), [ESP](Spanish), [FRA] (Canadian French)	Select the language to display the text information from a compressed audio file.
CLOCK SET	Set the clock. **1** Turn the **M.C.** dial to adjust the hour, then press to confirm. The indicator moves to the minute setting automatically. **2** Turn the **M.C.** dial to adjust the minute, then press to confirm.

2 [QUIT :YES] appears when all the settings have been made.

To return to the first item of the setup menu, turn the **M.C.** dial to select [QUIT :NO], then press to confirm.

3 Press the M.C. dial to confirm the settings.

NOTE
These settings can be made at any time from the SYSTEM settings (page 32).

Canceling the demonstration display (DEMO OFF)

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

2 Turn the M.C. dial to select [SYSTEM], then press to confirm.

3 Turn the M.C. dial to select [DEMO OFF], then press to confirm.

4 Turn the M.C. dial to select [YES], then press to confirm.

INITIAL settings

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

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

3 Turn the M.C. dial to select [INITIAL], then press to confirm.

4 Turn the M.C. dial to select an option, then press to confirm.

NOTE
The options vary depending on the unit.

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Menu Item	Description
REAR-SP	
[FUL]	Select when there is a full-range speaker connected to the rear speaker output leads.
[SW]	Select when there is a subwoofer connected directly to the rear speaker output leads without any auxiliary amplifier.
SP-P/O MODE	
[REAR/SUB.W]	Select when there is a full-range speaker connected to the rear speaker output leads and there is a subwoofer connected to the RCA output.
[SUB.W/SUB.W]	Select when there is a passive subwoofer connected directly to the rear speaker output leads and there is a subwoofer connected to the RCA output.
[REAR/REAR]	Select when there are full-range speakers connected to the rear speaker output leads and RCA output. If there is a full-range speaker connected to the rear speaker output leads, and the RCA output is not used, you may select either [REAR/SUB.W] or [REAR/REAR].
SYSTEM UPDATE [SYSTEM INFO], [S/W UPDATE]	Select [SYSTEM INFO] to confirm the latest system information on the unit. Select [S/W UPDATE] to update the unit to the latest software and initialize the unit settings.
SYSTEM RESET [YES], [NO]	Select [YES] to initialize the unit settings. The unit will be restarted automatically.

Radio

The tuner frequencies on this unit are allocated for use in North America. Use in other areas may result in poor reception.

Receiving preset stations

1 Press **SRC/OFF** to select [RADIO].

2 Press **BAND/** to select the band from [FM1], [FM2], [FM3] or [AM].

3 Press a number button (1/ ∧ to 6/ ⇄).

NOTE
You can select a preset channel by pressing Q and turning the **M.C.** dial.

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TIP

The ◄◄ /►►◄ buttons can be also used to select a preset station when [SEEK] is set to [PCH] in the FUNCTION settings (page 28).

Best stations memory (BSM)

The six strongest stations are stored on the number buttons (**1**/∧ to **6**/↩).

1 **After selecting the band, press the M.C. dial to display the main menu.**

2 **Turn the M.C. dial to select [FUNCTION], then press to confirm.**

3 **Turn the M.C. dial to select [BSM], then press to confirm.**

To seek a station manually

1 **After selecting the band, press ◄◄ /►►◄ to select a station.**
Press and hold ◄◄ /►►◄ then release to seek an available station. Scanning stops when the unit receives a station. To cancel seek tuning, press ◄◄ /►►◄.

NOTE

[SEEK] needs to be set to [MAN] in the FUNCTION settings (page 28).

To store stations manually

1 **While receiving the station you want to store, press and hold one of the number buttons (1/∧ to 6/↩) until it stops flashing.**

NOTE

You can select a preset channel by pressing Q and turning the **M.C.** dial. After selecting a channel, press and hold the **M.C.** dial to store a station.

CD/USB/iPhone/AUX

Playing back

Disconnect headphones from the device before connecting it to the unit.

CD

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

To eject a disc, stop playback first then press ▲.

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USB devices (including Android™)/iPhone

1 Open the USB port cover.

2 Plug in the USB device/iPhone using an appropriate cable.

NOTE

To automatically switch to [USB] source when a USB device/iPhone is connected to the unit, set [USB AUTO] to [ON] in the SYSTEM settings (page 33).

⚠ CAUTION

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

Before removing the device, stop playback.

AOA connections

For details on AOA connection, see page 25.

MTP connection

A device installed with Android OS 4.0 or later can be connected to the unit via MTP, using the cable supplied with the device. However, depending on the connected device and the numbers of the files in the device, audio files/songs may not be able to be played back via MTP. Note that MTP connection is not compatible with WAV file formats and FLAC file formats, and cannot be used with the MIXTRAX function.

NOTE

If you use an MTP connection, [PHONE CONNECT] needs to be set to [USB MTP] in the SYSTEM settings (page 33).

AUX

1 Insert the stereo mini plug into the AUX input jack.

2 Press SRC/OFF to select [AUX] as the source.

NOTE

If [AUX] is set to [OFF] in the SYSTEM settings, [AUX] cannot be selected as a source (page 32).

Operations

You can make various adjustments in the FUNCTION settings (page 28).
Note that the following operations do not work for an AUX device. To operate an AUX device, use the device itself.

Purpose	Operation
Select a folder*1	Press **1**/∧ or **2**/∨.
Select a track/song (chapter)	Press ◄◄ or ►►|.
Fast forward or reverse*2	Press and hold ◄◄ or ►►|.

English

Purpose	Operation
Search for a file from a list (CD/USB only)	**1** Press 🔍 to display the list. **2** Turn the **M.C.** dial to select the desired file (folder) name or category, then press to confirm. **3** Turn the **M.C.** dial to select the desired file, then press to confirm. Playback starts.
View a list of the files in the selected folder/category*1	Press the **M.C.** dial when a folder/category is selected.
Play a song in the selected folder/category*1	Press and hold the **M.C.** dial when a folder/category is selected.
Repeat play	Press **6**/🔁.
Random/shuffle play	Press **5**/✕✕.
Pause/resume playback	Press **4**/**PAUSE**.
Return to root folder (CD/USB only)*1	Press and hold **1**/⋀.
Switch between compressed audio and CD-DA (CD only)	Press **BAND**/⮌.

*1 Compressed audio files only
*2 When you use the fast forward or reverse function while playing a VBR file, the playback time may be not correct.

About MIXTRAX (USB/iPhone only)

The MIXTRAX function creates a non-stop mix of your music library, accompanied by illumination effects. For details on MIXTRAX settings, see page 36.

NOTES
- iPhone needs to be connected with Pioneer ARC APP via USB for using this function (page 25).
- This function is not compatible with an Android device connected via MTP.
- Depending on the file/song, sound effects may not be available.
- Turn the MIXTRAX function off if the illumination effects it produces interfere with driving.

1 Press 3/MIX to turn MIXTRAX on/off.

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Bluetooth

Bluetooth connection

🔁 Important
If ten or more Bluetooth devices (e.g. a phone and separate audio player) are connected, they may not work properly.

1 Turn on the Bluetooth function of the device.
   If you make a Bluetooth connection from the device, proceed to step 6.

2 Press 📞 to display the phone menu.

3 Turn the M.C. dial to select [BT SETTING], then press to confirm.

4 Turn the M.C. dial to select [ADD DEVICE], then press to confirm.
   The unit starts to search for available devices, then displays them in the device list.
   • To cancel searching, press the **M.C.** dial.
   • If the desired device is not in the list, select [RE-SEARCH].
   • If there is no device available, [NOT FOUND] appears in the display.

5 Turn the M.C. dial to select a device from the device list, then press to confirm.
   Press and hold the **M.C.** dial to switch the displayed device information between the Bluetooth device address and device name.
   If you make a Bluetooth connection from the unit, proceed to step 7.

6 Select [Pioneer BT Unit] shown in the device display.

7 Make sure the same 6-digit number appears on this unit and the device, then select "Yes" on the device.

NOTES
• [DEVICE FULL] appears if the unit has already been paired with ten other devices. In this case, delete one of the paired devices. See [DEL DEVICE] in the Bluetooth settings (page 16).
• Depending on the device, the PIN code is required in step 7. In this case, input [0000].

TIP
The Bluetooth connection can be also made by detecting the unit from the Bluetooth device. To do so, [VISIBLE] in the Bluetooth settings needs to be set to [ON]. For details on Bluetooth device operations, refer to the operating instructions supplied with the Bluetooth device.

Bluetooth settings

Menu Item	Description
DEVICELIST	Display the list of paired Bluetooth devices. "*" appears on the device name when the Bluetooth connection is established. When no device is selected in the device list, this function is not available.
DEL DEVICE [DELETE YES], [DELETE NO]	Delete the device information.
ADD DEVICE	Register a new device. If ten devices are already paired, this function is not available. You can check the number of paired devices on the [DEVICELIST] setting.
A.CONN [ON], [OFF]	Select [ON] to connect to a Bluetooth device automatically.
VISIBLE [ON], [OFF]	Select [ON] so that a Bluetooth device can detect the unit when the unit is connected via Bluetooth to another device.
PIN CODE	Change the PIN code. **1** Press the **M.C.** dial to display the setting mode. **2** Turn the **M.C.** dial to select a number. **3** Press the **M.C.** dial to move the cursor to the next position. **4** After inputting the PIN code, press and hold the **M.C.** dial. After inputting the PIN code, pressing the **M.C.** dial returns you to the PIN code input display, and you can change the PIN code.
DEV. INFO	Switch the device information on the display between the device name and Bluetooth device address.
A.PAIRING [ON], [OFF]	Select [ON] to pair the unit and iPhone or Android device automatically when an iPhone or Android device is connected to the unit via USB. (This function may not be available depending on the version of iOS you are using.) • When you are using an Android device, this function is available in the following situations: – Your device has Android OS 4.4 or later installed. – Be sure to turn on the Bluetooth function of the device and confirm that the device is not connected to the unit via Bluetooth. – [P.APP AUTO ON] needs to be set to [ON] (page 33). – Pioneer ARC APP needs to be installed on your Android device and [PHONE CONNECT] needs to be set to [APP CONTROL] (page 25). – A confirmation button should be pressed on the caution window displayed on Pioneer ARC APP after a connection with the Pioneer ARC APP is made.

English

Bluetooth telephone

First, make a Bluetooth connection with the Bluetooth telephone (page 15). Up to two Bluetooth telephones can be connected simultaneously.

◌ Important

- Leaving the unit on standby to connect to your phone via Bluetooth while the engine is not running can drain the vehicle's battery.
- Be sure to park your vehicle in a safe place and apply the parking brake before operation.

To make a phone call

1 **Press 📞 to display the phone menu.**
When two phones are connected, a phone name appears first then a phone menu will display. To switch to another phone, press 📞 again.

2 **Turn the M.C. dial to select [RECENTS] or [PHONE BOOK], then press to confirm.**
If you select [PHONE BOOK], proceed to step 4.

3 **Turn the M.C. dial to select [MISSED], [DIALED] or [RECEIVED], then press to confirm.**

4 **Turn the M.C. dial to select a name or phone number, then press to confirm.**
The phone call starts.

To answer an incoming call

1 **Press 📞 when a call is received.**

TIP

When two phones are connected to the unit via Bluetooth and there is an incoming call while one phone is being used for a call, a message will appear in the display. To answer that incoming call, you need to end the existing call.

Basic operations

Purpose	Operation
End a call	Press 📞.
Reject an incoming call	Press and hold 📞 when a call is received.
Switch between the current caller and a caller on hold	Press the **M.C.** dial.
Cancel a caller on hold	Press and hold 📞.
Adjust the volume of the caller's voice (When private mode is on, this function is not available.)	Turn the **M.C.** dial during the call.

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Purpose	Operation
Turn the private mode on or off	Press **BAND**/⤴ during the call.

To preset phone numbers

1 **Select a phone number from a phone book or call history.**
2 **Press and hold one of the number buttons (1/∧ to 6/⤵).**
   The contact is stored in the selected preset number.

To make a call using a preset number, press one of the number buttons (**1/∧** to **6/⤵**), then press the **M.C.** dial.

Voice recognition (Only for iPhone)

This function is only available when an iPhone equipped with voice recognition is connected to the unit via Bluetooth.

1 **Press and hold 📞 to activate the voice recognition mode.**
2 **Press the M.C. dial and then talk into the microphone to input voice commands.**

To exit the voice recognition mode, press **BAND**/⤴.

NOTE
For details on the voice recognition features, refer to the manual supplied with your iPhone.

Phone menu

Menu Item	Description
RECENTS	Display the missed call history.
[MISSED]	
[DIALED]	Display the dialed call history.
[RECEIVED]	Display the received call history.
PHONE BOOK	Display the contacts in your phone. Set [VISIBLE] in the Bluetooth settings to [ON] to browse the contacts via this unit.
PRESET 1-6	Recall the preset phone numbers. You can also recall the preset phone numbers by pressing one of the number buttons (**1/∧** to **6/⤵**).
A.ANSR*	Select [ON] to answer an incoming call automatically.
[ON], [OFF]	
R.TONE	Select [ON] if the ring tone does not come out from the car speakers. Depending on the connected phone, this function may not work.
[ON], [OFF]	

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Menu Item	Description
PB INVT	Invert the order of names in the phone book (name view).
BT SETTING	You can adjust various settings for Bluetooth connections. For details on Bluetooth settings, see page 16.

* If two phones are connected, this function does not work on incoming calls that are received while one of the phones is being used for a call.

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 (Advanced Audio Distribution Profile) can only play back songs on your audio player.
  - AVRCP (Audio/Video Remote Control Profile) can perform functions such as playback, pause, select song, etc.
- 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.
- Depending on the type of Bluetooth audio player you have connected to this unit, operation and information displayed may vary based on availability and functionality.

1 Make a Bluetooth connection with the Bluetooth audio player.

2 Press SRC/OFF to select [BT AUDIO] as the source.

3 Press BAND/ ⤺ to start playback.

Basic operations

You can make various adjustments in the FUNCTION settings (page 28).

Purpose	Operation
Fast forward or reverse	Press and hold ◄◄ or ►►I.
Select a track	Press I◄◄ or ►►I.
Repeat play*	Press **6**/⇄.
Random play*	Press **5**/✕✕.
Pause/resume playback	Press **4**/**PAUSE**.
Search for a file from a list	**1** Press ⌕ to display a list. **2** Turn the **M.C.** dial to select the desired folder name, then press to confirm. **3** Turn the **M.C.** dial to select the desired file, then press to confirm. Playback starts.

Purpose	Operation
Switch the Bluetooth device name in the device list according to the connection order	Press **1**/ ∧ or **2**/ ∨ .

* Depending on the connected device, these operations may not be available.

App Mode

You can enjoy listening to an application on an iPhone/Android device via the unit. In some cases, you can control an application by using the 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.
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For iPhone users
This function is compatible with iPhones installed with iOS 6.0 or later.

For Android device users
This function is compatible with devices that have Android OS 2.3 or later installed.

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Playback of an application via the unit

1 Connect this unit with the mobile device.
- iPhone via USB (page 13)
- iPhone/Android device via Bluetooth (page 15)

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

3 Turn the M.C. dial to select [SYSTEM], then press to confirm.

4 Turn the M.C. dial to select [PHONE CONNECT], then press to confirm.

5 Turn the **M.C.** dial to select one of the below, then press to confirm.

- Select [IPHONE] for iPhone.
- Select [ANDROID] for Android device.

6 Turn the **M.C.** dial to select one of the below.

- Select [WIRED] for the USB connection.
- Select [BLUETOOTH] for the Bluetooth connection.

NOTE

When the connection setting is changed, a message that lets you know that the connection setting had been changed will appear in the display. Press the **M.C.** dial and turn the **M.C.** dial to select [SRC OFF :YES], then press to confirm. The unit turns off automatically and the setting is executed.

7 Press **SRC/OFF** to select [APP].

8 Operate the mobile device to start up the application.

NOTE

When you connect a mobile device other than iPhone/Android device, select [OTHERS] in the [PHONE CONNECT] menu and select [WIRED] (for the USB connection) or [BLUETOOTH] (for the Bluetooth connection). Depending on your mobile device, it may not operate correctly.

Basic operations

You can make various adjustments in the FUNCTION settings (page 28).

Purpose	Operation
Select a track	Press ◄◄ or ►►◄.
Fast forward or reverse	Press and hold ◄◄ or ►►◄.
Pause/resume playback	Press **BAND/ ⟵**.

Pandora®

Pandora internet radio is a music service not affiliated with Pioneer.
The Pandora mobile application is available for iPhone and Android phones.

Listening to Pandora

Update the firmware of the Pandora application to the latest version before use.

1 Connect this unit with the mobile device.

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- iPhone via USB (page 13)
- iPhone/Android device via Bluetooth (page 15)

If you choose a USB connection, proceed to step 6.

2 Press SRC/OFF to select [PANDORA].

3 Press and hold 1/∧ to display [PHONE CONNECT].

4 Turn the M.C. dial to select one of the below, then press to confirm.
- Select [IPHONE] for iPhone.
- Select [ANDROID] for Android device.

5 Turn the M.C. dial to select [BLUETOOTH] for iPhone/Android device via Bluetooth.

NOTE

When the connection setting is changed, a message that lets you know that the connection setting had been changed will appear in the display. Press the **M.C.** dial and turn the **M.C.** dial to select [SRC OFF :YES], then press to confirm. The unit turns off automatically and the setting is executed.

6 Press SRC/OFF to select [PANDORA].

7 Launch the Pandora application on the mobile device and start playback.

NOTE

When you connect a mobile device other than iPhone/Android device, select [OTHERS] in the [PHONE CONNECT] menu and select [WIRED] (for the USB connection) or [BLUETOOTH] (for the Bluetooth connection). Depending on your mobile device, it may not operate correctly.

Basic operations

You can make various adjustments in the FUNCTION settings (page 28).

Purpose	Operation
Skip a track	Press ▶▶⃒.
Switch between Shuffle and the station	Press ⚲ (list), then turn the **M.C.** dial to select the Shuffle or the desired station.
Change the sort order	Press ⚲ (list), then select one of the following. **[ABC]:** Sort the items in the list alphabetically. **[DATE]:** Sort the items in the list in order of the dates on which the items were created.
Play	When Shuffle or the station is selected, press the **M.C.** dial.

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Purpose	Operation
Delete a station	**1** When the station is selected, press and hold the **M.C.** dial. [DELETE YES] appears. **2** Press the **M.C.** dial. To cancel, press **BAND**/ ⤶ in step 1.
Pause/resume playback	Press **4/PAUSE**.
Thumbs Up	Press **1**/ ∧ .
Thumbs Down	Press **2**/ ∨ .
Create a new station based on the track currently being played	Press and hold **5**/✗✗ .
Create a new station based on the artist currently being played	Press and hold **6**/ ⇌ .
Store the track information currently being played in your Pandora account.	**1** Press and hold **3**/**MIX**. [BOOKMARK] appears. **2** Press the **M.C.** dial.

NOTE

Some functions of Pandora may not be operated from the unit.

Spotify®

Spotify is a music streaming distribution service not affiliated with Pioneer.
To enjoy Spotify as you drive, first download the Spotify app to your iPhone or Android device. You can download it on the iTunes App Store or Google Play™.
Choose a free account or a paid Premium account. A Premium account gives you more features, like offline listening.

Listening to Spotify

Update the firmware of the Spotify application to the latest version before use.

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1 Connect this unit with the mobile device.
- iPhone via USB (page 13)
- iPhone/Android device via Bluetooth (page 15)

If you choose a USB connection, proceed to step 6.

2 Press SRC/OFF to select [SPOTIFY].

3 Press and hold 1/∧ to display [PHONE CONNECT].

4 Turn the M.C. dial to select one of the below, then press to confirm.
- Select [IPHONE] for iPhone.
- Select [ANDROID] for Android device.

5 Turn the M.C. dial to select [BLUETOOTH] for iPhone/Android device via Bluetooth.

NOTE

When the connection setting is changed, a message that lets you know that the connection setting had been changed will appear in the display. Press the **M.C.** dial and turn the **M.C.** dial to select [SRC OFF :YES], then press to confirm. The unit turns off automatically and the setting is executed.

6 Press SRC/OFF to select [SPOTIFY].

7 Launch the Spotify application on the mobile device and start playback.

NOTE

When you connect a mobile device other than iPhone/Android device, select [OTHERS] in the [PHONE CONNECT] menu and select [WIRED] (for the USB connection) or [BLUETOOTH] (for the Bluetooth connection). Depending on your mobile device, it may not operate correctly.

Basic operations

You can make various adjustments in the FUNCTION settings (page 28).

NOTE

The available operations may vary according to the type of contents (track/album/artist/playlist/radio) you want to play.

Purpose	Operation
Skip a track	Press ◄◄ or ►►│.
Search for a track from a list	1 Press 🔍 (list) to display the list. 2 Turn the **M.C.** dial to select the desired category, then press to confirm. 3 Turn the **M.C.** dial to select the desired file, then press to confirm. Playback starts.
Pause/resume playback	Press **4/PAUSE**.

Purpose	Operation
Thumbs Up (Only for radio)	Press **1**/∧.
Thumbs Down (Only for radio)	Press **2**/∨.
Random play (Only for track/album/artist/playlist)	Press **5**/✕✕.
Repeat play (Only for track/album/artist/playlist)	Press **6**/↩.
Start a radio channel based on the song currently being played.	**1** Press and hold **5**/✕✕ to start a radio. **2** Press the **M.C.** dial. • This function may not be available depending on the selected song.

English

NOTE

Some functions of Spotify may not be operated from the unit.

Using Pioneer ARC APP

You can operate the unit from Pioneer ARC APP installed on an iPhone/Android device. In some cases, you can control aspects of the application, such as source selection, pause, etc., by using the unit.

For details on what operations are available on the application, see the application's help section.

⚠ WARNING

Do not attempt to operate the application 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 application.

For iPhone users

This function is compatible with iPhones (iPhone 5 or later) installed with iOS 8.0 or later. You can download Pioneer ARC APP on iTunes App Store.

For Android device users

This function is compatible with devices that have Android OS 4.1 or later installed and also support AOA (Android Open Accessory) 2.0.

You can download Pioneer ARC APP on Google Play.

NOTE

Some Android devices connected via AOA 2.0 may not work properly or emit sounds due to their own software design, regardless of the OS version.

Making a connection with Pioneer ARC APP

1 **Connect this unit with the mobile device.**
- iPhone/Android device via USB (page 13)
- iPhone/Android device via Bluetooth (page 15)

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

3 **Turn the M.C. dial to select [SYSTEM], then press to confirm.**

4 **Turn the M.C. dial to select [PHONE CONNECT], then press to confirm.**

5 **Turn the M.C. dial to select one of the below, then press to confirm.**
- Select [IPHONE] for iPhone.
- Select [ANDROID] for Android device.

NOTE

When the connection setting is changed, a message that lets you know that the connection setting had been changed will appear in the display. Press the **M.C.** dial and turn the **M.C.** dial to select [SRC OFF :YES], then press to confirm. The unit turns off automatically and the setting is executed.

6 **Turn the M.C. dial to select one of the below.**

When [IPHONE] is selected in step 5
- Select [WIRED] for the USB connection.
- Select [BLUETOOTH] for the Bluetooth connection.

When [ANDROID] is selected in step 5
- Select [APP CONTROL] for the USB connection.
- Select [BLUETOOTH] for the Bluetooth connection.

When you select the USB connection, Pioneer ARC APP on the Android device starts automatically if [ON] is selected in [P.APP AUTO ON] (page 33).

NOTE

If Pioneer ARC APP has not been installed on your Android device yet, a message that prompts you to install the application will appear on your Android device. Select [OFF] in [P.APP AUTO ON] to clear the message (page 33).

7 **Press SRC/OFF to select any source.**

8 **Launch Pioneer ARC APP on the mobile device via USB connection.**
Press and hold M.C. dial via Bluetooth connection.

NOTE

When you connect a mobile device other than iPhone/Android device, select [OTHERS] in the [PHONE CONNECT] menu and select [WIRED] (for the USB connection) or [BLUETOOTH] (for the Bluetooth connection). Depending on your mobile device, it may not operate correctly.

Listening to music on Android

1 Press SRC/OFF to select [ANDROID].

Basic operations

Purpose	Operation
Select a track	Press ◄◄ or ►►│.
Fast forward or reverse	Press and hold ◄◄ or ►►│.
Pause/resume playback	Press 4/**PAUSE**.

Audio Adjustments

You can also make various adjustments in the AUDIO settings (page 30).

Adjusting the cut-off frequency value and the slope value

You can adjust the cut-off frequency value and the slope value of each speaker.
The following speakers can be adjusted.
[FRONT], [REAR], [SUBWOOFER]

NOTE
[SUBWOOFER] can only be selected when [ON] is selected in [SUBWOOFER] (page 30).

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

2 Turn the M.C. dial to select [AUDIO], then press to confirm.

3 Turn the M.C. dial to select [CROSSOVER], then press to confirm.

4 Turn the M.C. dial to select the speaker unit (filter) to be adjusted, then press to confirm.

5 Turn the M.C. dial to select [HPF] or [LPF] according to the speaker unit (filter), then press to confirm.

6 Turn the M.C. dial to select an appropriate cut-off frequency for the speaker unit (filter) selected in step 4, then press to confirm.
[25HZ] to [250HZ]

7 **Turn the M.C. dial to select an appropriate slope for the speaker unit (filter) selected in step 4.**

[–6] to [–24] (if you choose [FRONT] or [REAR])

[–6] to [–36] (if you choose [SUBWOOFER])

Settings

You can adjust various settings in the main menu.

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

2 **Turn the M.C. dial to select one of the categories below, then press to confirm.**

- FUNCTION settings (page 28)
- AUDIO settings (page 30)
- SYSTEM settings (page 32)
- ILLUMINATION settings (page 35)
- MIXTRAX settings (page 36)

3 **Turn the M.C. dial to select the options, then press to confirm.**

FUNCTION settings

The menu items vary according to the source.

Menu Item	Description
BSM `RADIO`	
	Store the six strongest stations on the number buttons (**1**/ ∧ to **6**/↩) automatically.
LOCAL `RADIO`	
FM: [OFF], [LV1], [LV2], [LV3], [LV4] **AM:** [OFF], [LV1], [LV2]	Restrict the tuning station according to the signal strength.
SEEK `RADIO`	
[MAN], [PCH]	Assign ⏮ or ⏭ buttons to seek the stations one by one (manual tuning) or select a station from the preset channels.
SAVE `SPOTIFY`	
	Store the information about the song currently being played to your music list on Spotify.

Menu Item	Description
UNSAVE SPOTIFY	
	Remove the song information stored in [SAVE].
SEL DEVICE iPod PANDORA APP BT AUDIO SPOTIFY	
	Connect a Bluetooth device in the list.
S.RTRV CD USB iPod PANDORA APP BT AUDIO ANDROID SPOTIFY AUX	
[1] (effective for low compression rates), [2] (effective for high compression rates), [OFF]	Enhance compressed audio and restore rich sound.
BOOKMARK PANDORA	
	Store the track information currently being played in your Pandora account.
NEW STATION PANDORA	
[FROM TRACK], [FROM ARTIST]	Create a new station based on the track or artist currently being played.
PAUSE APP	
	Pause or resume playback.
PLAY BT AUDIO	
	Start playback.
STOP BT AUDIO	
	Stop playback.

AUDIO settings

Menu Item	Description
EQ SETTING	
[SUPER BASS], [POWERFUL], [NATURAL], [VOCAL], [CUSTOM1], [CUSTOM2], [FLAT] Select an equalizer band and level for further customizing. **Equalizer band:** [50HZ] to [12.5kHZ] **Equalizer level:** [–6] to [+6]	Select or customize the equalizer curve. • When you select a setting other than [CUSTOM1] and [CUSTOM2], you can also customize the equalizer curve by pressing and holding the **M.C.** dial, then store the customized equalizer curve in [CUSTOM1].
FADER*1*2	
	Adjust the front and rear speaker balance.
BALANCE	
	Adjust the left and right speaker balance.
SUBWOOFER	
[ON], [OFF]	Set to [ON] when using a subwoofer speaker.
SUBWOOFER*3*4	
[NOR], [REV]	Select the subwoofer phase.
SPEAKER LEVEL	
Types of speaker: [FRONT L], [FRONT R], [REAR L], [REAR R], [SUBWOOFER] **Output level:** [–24] to [10]	Select a speaker unit (filter) and adjust the output level. • Each value you have adjusted changes when you change the [POSITION] setting (page 30).
CROSSOVER	
	Select a speaker unit (filter) to adjust the HPF or LPF cut-off frequency and the slope for each speaker unit. For details on the [CROSSOVER] setting, see page 27.
POSITION	
[OFF], [FRONT LEFT] (front seat left), [FRONT RIGHT] (front seat right), [FRONT] (front seats), [ALL]	Select a listening position to adjust the speakers' output levels automatically and add a delay time that corresponds to the number and locations of occupied seats.

English

Menu Item	Description
TIME ALGNMNT	
[INITIAL], [OFF], [CUSTOM] Select a type of speaker and adjust the speaker distance for further customizing in [CUSTOM]. **Types of speaker:** [FRONT L], [FRONT R], [REAR L], [REAR R], [SUBWOOFER] **Speaker distance (inch):** [140] to [0]	Select or customize the time alignment settings to reflect the distance between the listener's position and each speaker. • Select [INITIAL] to initialize the setting value. • Select [OFF] to reset all setting values to 0. • The [CUSTOM] setting is available when [FRONT LEFT] or [FRONT RIGHT] is selected in [POSITION] (page 30). • The [CUSTOM] setting is not available when [OFF] is selected in [SUBWOOFER] (page 30).
SAVE SETTINGS	
[YES], [NO]	Save to later recall the following sound settings at their current values: [CROSSOVER], [SPEAKER LEVEL], [EQ SETTING], [POSITION], [TIME ALGNMNT], [D.BASS], [SUBWOOFER].
LOAD SETTINGS	
	Load the sound settings, when you have already performed [SAVE SETTINGS].
D.BASS	
[OFF], [LOW], [HI]	Boost the bass level dynamically to offer an effect as if a subwoofer was added to the system.
LOUDNESS	
[OFF], [LOW], [MID], [HI]	Compensate for clear sound at low volume.
SLA	
[+4] to [–4]	Adjust the volume level for each source except FM. Each of the below combinations are set to the same setting automatically. • When making a USB connection, set USB, iPod, PANDORA, ANDROID, SPOTIFY, and APP. • When making a Bluetooth connection, set BT AUDIO, iPod, PANDORA, ANDROID, SPOTIFY, and APP.

*1 Not available when [SW] is selected in [REAR-SP] in the INITIAL settings (page 11).
*2 Not available when [SUB.W/SUB.W] is selected in [SP-P/O MODE] in the INITIAL settings (page 11).
*3 Not available when [FUL] is selected in [REAR-SP] in the INITIAL settings (page 11).
*4 Not available when [REAR/REAR] is selected in [SP-P/O MODE] in the INITIAL settings (page 11).

English

SYSTEM settings

You can also access to these menus when the unit is turned off.

Menu Item	Description
LANGUAGE	
[ENG](English), [ESP](Spanish), [FRA] (Canadian French)	Select the language to display the text information from a compressed audio file.
CLOCK SET	
	Set the clock (page 10).
12H/24H	
[12H], [24H]	Select the time notation.
BEEP TONE	
[ON], [OFF]	A beep can be heard when any button is pushed. Select [OFF] to disable this function.
INFO DISPLAY	
[SOURCE/SPEANA], [CLOCK/SPEANA], [SRC/LIVE FX], [CLOCK/LIVE FX], [SOURCE], [SPEANA], [OFF]	Display the item on the sub information display. • When [SOURCE/SPEANA] or [CLOCK/SPEANA] is selected, display the antenna instead of the speana on the radio source.
AUX	
[ON], [OFF]	Set to [ON] when using an auxiliary device connected to the unit.
BT AUDIO	
[ON], [OFF]	Set the Bluetooth signal on/off.
SPOTIFY	
[ON], [OFF]	Set to [ON] when using the Spotify function.
BT MEM CLEAR	
[YES], [NO]	Clear the Bluetooth device data (device list, PIN code, call history, phone book, preset phone numbers) stored in the unit. [CLEARED] appears when data is successfully deleted.

Menu Item	Description
PHONE CONNECT	
[IPHONE], [ANDROID], [OTHERS]	Select the type of device and the appropriate connection method according to your device. See page 33 for details on the connections for each device. • Select [OTHERS] when you connect a mobile device other than iPhone/Android.
P.APP AUTO ON	
[ON], [OFF]	Select [ON] to automatically launch Pioneer ARC APP when an Android device is connected to the unit via AOA. (Only available when [APP CONTROL] is selected in [PHONE CONNECT].)
USB AUTO	
[ON], [OFF]	Select [ON] to automatically switch to [USB] source when a USB device/iPhone is connected to the unit. Select [OFF] when a USB device/iPhone is being connected to the unit just for charging.

Information on the connections for each device

The available sources differ depending on the setting value.
Please set [PHONE CONNECT] according to the table for the source you want to use.
For details on Pioneer ARC APP connection, see page 25.

When Pioneer ARC APP connection is NOT performed

Setting Value	Device	Connection method	Available source(s)
[WIRED] (When [IPHONE] or [OTHERS] is selected)	iOS	USB	iPod, PANDORA, APP, SPOTIFY
		Bluetooth	-
	Android	USB	ANDROID (AOA)
		Bluetooth	-
[USB MTP](MTP) (When [ANDROID] is selected)	iOS	USB	iPod, PANDORA, APP, SPOTIFY
		Bluetooth	-
	Android	USB	USB MTP
		Bluetooth	-

Setting Value	Device	Connection method	Available source(s)
[APP CONTROL](AOA) (When [ANDROID] is selected)	iOS	USB	iPod, PANDORA, APP, SPOTIFY
		Bluetooth	-
	Android	USB	ANDROID (AOA)
		Bluetooth	-
[BLUETOOTH]	iOS	USB	-
		Bluetooth	iPod, PANDORA, APP, SPOTIFY
	Android	USB	USB MTP
		Bluetooth	PANDORA, APP, SPOTIFY

When Pioneer ARC APP connection is performed

Setting Value	Device	Connection method	Available source(s)
[WIRED] (When [IPHONE] or [OTHERS] is selected)	iOS	USB	iPod, PANDORA, SPOTIFY
		Bluetooth	-
	Android	USB	ANDROID (Android Music)
		Bluetooth	-
[USB MTP](MTP) (When [ANDROID] is selected)	iOS	USB	iPod, PANDORA, SPOTIFY
		Bluetooth	-
	Android	USB	USB MTP
		Bluetooth	-
[APP CONTROL](AOA) (When [ANDROID] is selected)	iOS	USB	iPod, PANDORA, SPOTIFY
		Bluetooth	-
	Android	USB	ANDROID (Android Music)
		Bluetooth	-

Setting Value	Device	Connection method	Available source(s)
[BLUETOOTH]	iOS	USB	-
		Bluetooth	iPod, PANDORA, SPOTIFY
	Android	USB	USB MTP
		Bluetooth	PANDORA, ANDROID (Android Music), SPOTIFY

ILLUMINATION settings

Menu Item	Description
COLOR (Only for DEH-S5000BT/S5010BT)	
[KEY COLOR], [DISP COLOR], [BOTH COLOR]	Select color for the keys/display of the unit from 12 preset colors, [SCAN] or [CUSTOM]*. • [SCAN]: Cycle through a variety of colors automatically. • [CUSTOM]*: **1** Press and hold the **M.C.** dial until the color setting display appears. **2** Set the primary color (R (red)/G (green)/B (blue)) and brightness level ([0] to [60]). You cannot select a level below 10 for all three of R (red), G (green), B (blue) at the same time. You can also customize the preset colors. Select one of the preset colors, then press and hold the **M.C.** dial until the color setting display appears. * The CUSTOM setting is only available for [KEY COLOR] and [DISP COLOR].
DIM SETTING	
[SYNC ILLUMI]*, [SYNC CLOCK], [MANUAL] * Only for DEH-S5000BT/S5010BT	Change the display brightness.
BRIGHTNESS (Only for DEH-S5000BT/S5010BT)	
[KEY], [DISP]	Select the brightness for the keys/display of the unit from [1] to [10]. The available setting ranges differ depending on [DIM SETTING].

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Menu Item	Description
BRIGHTNESS (Only for DEH-S4000BT/S4010BT)	
[1] to [10]	Change the display brightness. The available setting ranges differ depending on [DIM SETTING].
PHONE COLOR (Only for DEH-S5000BT/S5010BT)	
[FLASHING]	Select the key color when a call is received. Applies the color set by [KEY COLOR].
[FLASH FX1] to [FLASH FX6]	Cycle through a variety of colors automatically.
[OFF]	No change in key color made.
ILLUMI FX (Only for DEH-S5000BT/S5010BT)	
[ON], [OFF]	The illumination effect can be seen when: – there is an incoming call – you are on a phone call – a CD is inserted/ejected The illumination effect will activate when the ACC power is turned on/off regardless of this setting.

MIXTRAX settings

Menu Item	Description
SHORT PLAYBCK	
[1.0 MIN], [1.5 MIN], [2.0 MIN], [2.5 MIN], [3.0 MIN], [OFF]	Select the length of the playback time.
FLASH AREA (Only for DEH-S5000BT/S5010BT)	
[KEY/DISPLAY], [KEY], [OFF]	Select the area for the illumination effect. When [OFF] is selected, the color set under the ILLUMINATION settings (page 35) is used as the display color.

Menu Item	Description
FLASH PATTERN (Only for DEH-S5000BT/S5010BT)	
[SOUND LEVEL 1] to [SOUND LEVEL 6]	Change the illumination effect according to the sound and bass level. The flash pattern changes according to the sound level.
[LOW PASS 1] to [LOW PASS 6]	The flash pattern changes according to the bass level.
[RANDOM1]	The flash pattern changes randomly according to the sound level mode and low pass mode.
[RANDOM2]	The flash pattern changes randomly according to the sound level mode.
[RANDOM3]	The flash pattern changes randomly according to the low pass mode.
MIX PATTERN (Only for DEH-S4000BT/S4010BT)	
[SOUND LEVEL]	Change the MIXTRAX special effects according to the audio level. The mix pattern changes according to the sound level.
[LOW PASS]	The mix pattern changes according to the bass level.
[RANDOM]	The mix pattern changes randomly according to the sound level mode and low pass mode.
DISPLAY FX	
[ON], [OFF]	Set the MIXTRAX special effects on/off.
CUT IN FX	
[ON], [OFF]	Turn the MIXTRAX sound effects on/off while manually changing the tracks.

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Connections/Installation

Connections

⚠ WARNING

- When speaker output is used by 4 channels, use speakers over 50 W (maximum input power) and between 4 Ω to 8 Ω (impedance value). Do not use 1 Ω to 3 Ω speakers for this unit.
- When rear speaker output is used by 2 Ω of subwoofer, use speakers over 70 W (maximum input power).
  * Please refer to connections for a connection method.
- The black cable is ground. When installing this unit or power amp (sold separately), make sure to connect the ground wire first. Ensure that the ground wire is properly connected to metal parts of the car's body. The ground wire of the power amp and the one of this unit or any other device must be connected to the car separately with different screws. If the screw for the ground wire loosens or falls out, it could result in fire, generation of smoke or malfunction.

Ground wire   POWER AMP

Other devices   Metal parts of
(Another electronic   car's body
device in the car)
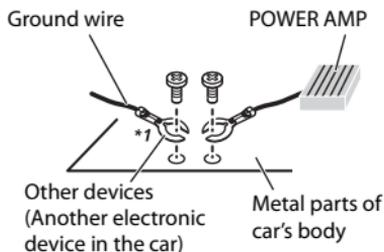
*1 Not supplied for this unit

🖝 Important

- When installing this unit in a vehicle without an ACC (accessory) position on the ignition switch, failure to connect the

red cable to the terminal that detects operation of the ignition key may result in battery drain.

ACC position   No ACC position

- Use this unit with a 12-volt battery and negative grounding only. Failure to do so may result in a fire or malfunction.
- To prevent a short-circuit, overheating or malfunction, be sure to follow the directions below.
  - Disconnect the negative terminal of the battery before installation.
  - Secure the wiring with cable clamps or adhesive tape. Wrap adhesive tape around wiring that comes into contact with metal parts to protect the wiring.
  - Place all cables away from moving parts, such as the shift lever and seat rails.
  - Place all cables away from hot places, such as near the heater outlet.
  - Do not connect the yellow cable to the battery by passing it through the hole to the engine compartment.
  - Cover any disconnected cable connectors with insulating tape.
  - Do not shorten any cables.
  - Never cut the insulation of the power cable of this unit in order to share the power with other devices. The current capacity of the cable is limited.
  - Use a fuse of the rating prescribed.
  - Never wire the negative speaker cable directly to ground.
  - Never band together negative cables of multiple speakers.
- When this unit is on, control signals are sent through the blue/white cable. Connect this cable to the system remote

control of an external power amp or the vehicle's auto-antenna relay control terminal (max. 300mA 12 V DC). If the vehicle is equipped with a glass antenna, connect it to the antenna booster power supply terminal.
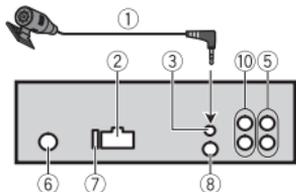
- Never connect the blue/white cable to the power terminal of an external power amp. Also, never connect it to the power terminal of the auto antenna. Doing so may result in battery drain or a malfunction.
- The graphical symbol ⎓ placed on the product means direct current.

This unit

DEH-S5000BT/S5010BT
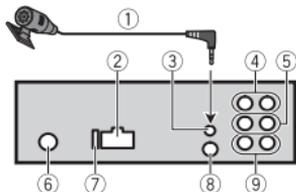
DEH-S4000BT/S4010BT

① Microphone 3 m (9 ft. 10-1/8 in.)
② Power cord input
③ Microphone input
④ Rear output
⑤ Front output
⑥ Antenna input
⑦ Fuse (10 A)
⑧ Wired remote input
Hard-wired remote control adapter can be connected (sold separately).

⑨ Subwoofer output
⑩ Rear output or subwoofer output

Power cord

Perform these connections when not connecting a rear speaker or middle range speaker lead to a subwoofer.
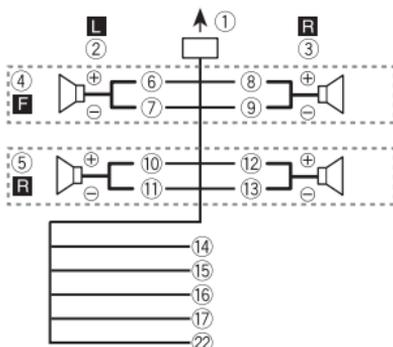
Perform these connections when using a subwoofer without the optional amplifier.
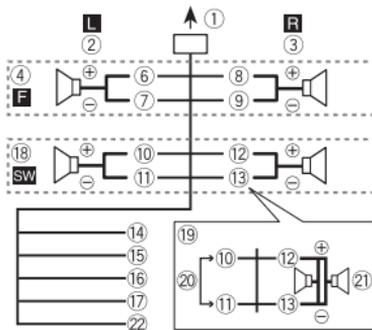
↻ Important

In the case of ⑲ above, two 4 Ω subwoofers wired in parallel will represent a 2 Ω load.

① To power cord input
② Left
③ Right
④ Front speaker

⑤ Rear speaker
⑥ White
⑦ White/black
⑧ Gray
⑨ Gray/black
⑩ Green
⑪ Green/black
⑫ Violet
⑬ Violet/black
⑭ Black (chassis ground)
　Connect to a clean, paint-free metal location.
⑮ Yellow
　Connect to the constant 12 V supply terminal.
⑯ Red
　Connect to terminal controlled by the ignition switch (12 V DC).
⑰ Blue/white
　Connect to the system control terminal of the power amp or auto-antenna relay control terminal (max. 300 mA 12 V DC).
⑱ Subwoofer (4 Ω)
⑲ When using a subwoofer of 2 Ω, be sure to connect the subwoofer to the violet and violet/black leads of this unit. Do not connect anything to the green and green/black leads.
⑳ Not used.
㉑ Subwoofer (4 Ω) × 2
㉒ Orange/white (Only for DEH-S5000BT/S5010BT)
　Connect to a car's illumination signal.

Power amp (sold separately)

Perform these connections when using the optional amplifier.

DEH-S5000BT/S5010BT
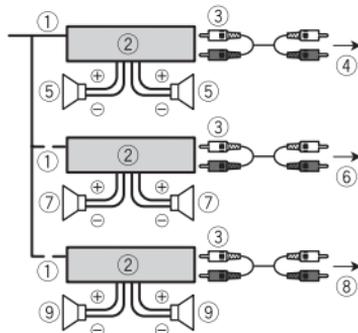
DEH-S4000BT/S4010BT
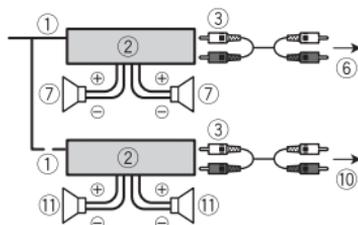
① System remote control
　Connect to blue/white cable.
② Power amp (sold separately)
③ Connect with RCA cables (sold separately)
④ To rear output
⑤ Rear speaker
⑥ To front output
⑦ Front speaker
⑧ To subwoofer output
⑨ Subwoofer
⑩ To rear output or subwoofer output
⑪ Rear speaker or subwoofer

Installation

⮁ Important
• Check all connections and systems before final installation.

English

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

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

Leave ample space

5 cm

5 cm
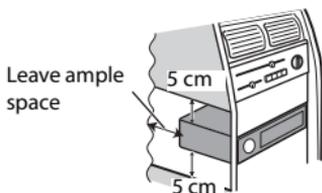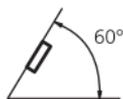
DIN mount installation

1 **Insert the supplied mounting sleeve into the dashboard.**
2 **Secure the mounting sleeve by using a screwdriver to bend the metal tabs (90°) into place.**
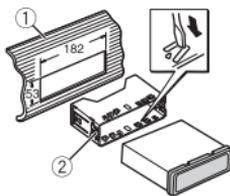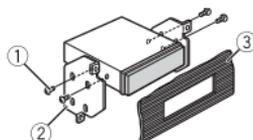

① Dashboard

② Mounting sleeve
- Make sure that the unit is installed securely in place. An unstable installation may cause skipping or other malfunctions.

When not using the supplied mounting sleeve

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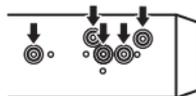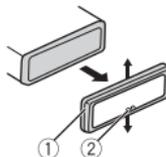

2 **Tighten two screws on each side.**

① Screw
② Mounting bracket
③ Dashboard or console
- Use either truss (5 mm × 9 mm) or flush surface (5 mm × 9 mm) screws, depending on the bracket screw holes.

Removing the unit (installed with the supplied mounting sleeve)

1 **Remove the trim ring.**

① Trim ring
② Notched tab
- Releasing the front panel allows easier access to the trim ring.
- When reattaching the trim ring, point the side with the notched tab down.

- 41 -

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

3 **Pull the unit out of the dashboard.**
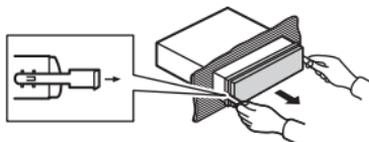
To secure the front panel

The front panel can be secured with the supplied screw.
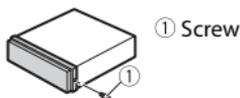
① Screw

Installing the microphone

The microphone should be placed directly in front of the driver at a suitable distance to pick up their voice clearly.

⚠ CAUTION

It is extremely dangerous to allow the microphone lead to become wound around the steering column or shift lever. Be sure to install the microphone in such a way that it will not obstruct driving. It is recommended to use the clamps (sold separately) to arrange the lead.

NOTE

Depending on the vehicle model, the microphone cable length may be too short when you mount the microphone on the sun visor. In such cases, install the microphone on the steering column.
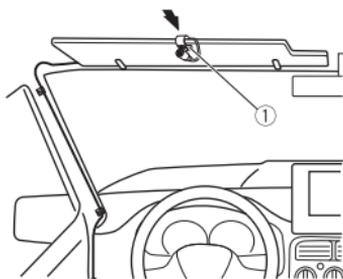
To install on the sun visor

1 **Fit the microphone lead into the groove.**
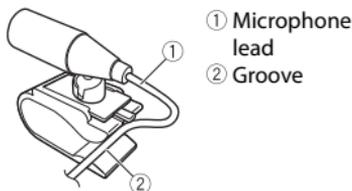
① Microphone lead
② Groove

2 **Install the microphone clip on the sun visor.**

Lowering the sun visor reduces the voice recognition rate.

① Microphone clip

To install on the steering column

1 **Slide the microphone base to detach it from the microphone clip.**

① Microphone
② Microphone clip
③ Microphone base

2 **Install the microphone on the rear side of the steering column.**

① Double-sided tape

Additional Information

Troubleshooting

The display automatically returns to the normal display.
→ No operations have been made for about 30 seconds.
– Perform an operation.

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.

The sound is intermittent.
→ 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.
– Stop using the cellular phone.
→ The connection between the unit and the cellular phone is not established correctly after a call made by a Bluetooth-connected cellular phone.

– Make a Bluetooth connection between the unit and the cellular phone again.

Error messages

Common

AMP ERROR
→ This unit fails to operate or the speaker connection is incorrect.
→ The protective circuit is activated.
– Check the speaker connection.
– Turn the ignition switch OFF and back to ON again. If the message remains, contact your dealer or an authorized Pioneer Service Station for assistance.

NO XXXX (NO TITLE, for example)
→ There is no embedded text information.
– Switch the display or play another track/file.

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 to ON, then back to the CD player.

ERROR-15
→ The inserted disc is blank.
– Replace the disc.

ERROR-23
→ Unsupported CD format.
– Replace the disc.

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

NO AUDIO
→ The inserted disc does not contain any playable files.
   – Replace the disc.

SKIPPED
→ The inserted disc contains DRM protected files.
   – The protected files are skipped.

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

USB device/iPhone

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 device and connect.
→ The connected USB device has security enabled.
   – Follow the USB device instructions to disable the security.

SKIPPED
→ The connected USB device contains DRM protected files.
   – The protected files are skipped.

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

   – Replace the USB device.

N/A USB
→ The connected USB device is not supported by this unit.
   – Disconnect your device and replace it with a compatible USB device.

HUB ERROR
→ The USB device connected via a USB hub is not supported by this unit.
   – Connect the USB device directly to this unit using a USB cable.

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.
→ The connected USB device consumes more than maximum allowable current.
   – Disconnect the USB device and do not use it. Turn the ignition switch OFF and back to ACC or ON. Connect only compliant USB devices.
→ The iPhone operates correctly but does not charge.
   – Make sure the connection cable for the iPhone has not shorted out (e.g., not caught in metal objects). After checking, turn the ignition switch OFF and back to ON, or disconnect the iPhone and reconnect.

ERROR-19
→ Communication failed.
   – Perform one of the following operations, then return to the USB source.
     • Turn the ignition switch OFF and back to ON.
     • Disconnect the USB device.
     • Change to a different source.
→ iPhone failure.
   – Disconnect the cable from the iPhone. Once the iPhone's main menu is

- 45 -

displayed, reconnect the iPhone and reset it.

ERROR-23
→ USB device was not formatted properly.
– Format the USB device with FAT12, FAT16 or FAT32.

ERROR-16
→ The iPhone firmware version is old.
– Update the iPhone version.
→ iPhone failure.
– Disconnect the cable from the iPhone. Once the iPhone's main menu is displayed, reconnect the iPhone and reset it.

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

NO BT DEVICE GO TO BT MENU TO REGISTER
→ No Bluetooth device found.
– Connect the unit and iPhone via Bluetooth (page 15).

CONN. FAILED PRESS BAND KEY TO RETRY
→ Bluetooth connection with iPhone failed.
– Press **BAND**/ ➲ to make a connection again.

DISCONNECTED PRESS BAND KEY TO RETRY
→ Bluetooth connection with iPhone failed.
– Press **BAND**/ ➲ to make a connection again.

Bluetooth device

ERROR-10
→ The power failed for the Bluetooth module of the unit.
– Turn the ignition switch OFF and back to ACC or ON.

Pandora

ERROR-19
→ Communication failed.
– Disconnect the cable from the device. Once the device's main menu is displayed, reconnect the device and reset it.

NOT FOUND
→ The Pandora application has not started running yet.
– Start up the Pandora application.

RATING ERROR
→ The thumb rating operation was disabled.
– Run the same command for another track.

CAN'T SKIP
→ The skip operation was disabled.
– Run the same command for another track.

THUMB ERROR
→ Unable to save thumb rating.
– Try again later.

BOOKMARK ERR
→ Unable to save BookMark.
– Try again later.

UNABLE TO ADD
→ Unable to add station.
– Try again later.

SKIP LIMIT
→ Due to music licensing restrictions, Pandora limits the total number of skips per hour.
– Wait until Pandora allows you to skip again.

UPDATE APP
→ This version of the Pandora application is not supported.

– Connect a device that has a compatible version of the Pandora application installed.

LOG IN ERROR
→ Your Pandora account is not logged in.
– Disconnect the cable from the device, and log in to your Pandora account. Then reconnect the device.

ERROR
→ Device error message displayed in the Pandora application.
– Check the connected device.
→ Pandora system is undergoing maintenance.
– Try again later.

NO STATIONS
→ No station found.
– Create a station in the Pandora application on your connected device.

NO BT DEVICE GO TO BT MENU TO REGISTER
→ No Bluetooth device found.
– Connect the unit and the device via Bluetooth (page 15).

CONN. FAILED PRESS BAND KEY TO RETRY
→ Bluetooth connection failed.
– Press **BAND**/ to make a connection again.

CHECK APP PRESS BAND KEY TO RETRY
→ Connection to the Pandora application failed.
– Press **BAND**/ to make a connection again.

DISCONNECTED PRESS BAND KEY TO RETRY
→ Bluetooth connection lost.
– Press **BAND**/ to make a connection again.

STATION LIMIT
→ A new station cannot be added.
– Delete an old station to open a spot for a new one.

CANNOT DELETE
→ The station could not be deleted.
– Run the same command for another station.

BAD NETWORK
→ The connected device is out of area.
– Connect the device to a network.

UNAVAILAVLE
→ The connected device is out of area.
– Connect the device to a network.
→ The operation was disabled.
– Run the same command for another station.

APP

NO BT DEVICE GO TO BT MENU TO REGISTER
→ No Bluetooth device found.
– Connect the unit and the device via Bluetooth (page 15).

CONN. FAILED PRESS BAND KEY TO RETRY
→ Bluetooth connection failed.
– Press **BAND**/ to make a connection again.

DISCONNECTED PRESS BAND KEY TO RETRY
→ Bluetooth connection failed.
– Press **BAND**/ to make a connection again.

CHECK APP
→ Connection to the application failed.
– Follow the instructions that appear on the screen.

NOT FOUND
→ The application has not started running yet.
  – Operate the mobile device to start up the application.

Spotify

NO BT DEVICE GO TO BT MENU TO REGISTER
→ No Bluetooth device found.
  – Connect the unit and the device via Bluetooth (page 15).

CONN. FAILED PRESS BAND KEY TO RETRY
→ Bluetooth connection failed.
  – Press **BAND**/ ⮌ to make a connection again.

CHECK APP PRESS BAND KEY TO RETRY
→ Connection to the Spotify application failed.
  – Press **BAND**/ ⮌ to make a connection again.

DISCONNECTED PRESS BAND KEY TO RETRY
→ Bluetooth connection lost.
  – Press **BAND**/ ⮌ to make a connection again.

CHECK APP
→ Connection to the Spotify application failed.
  – 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 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.
• 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 hubs are not supported.

English

- Firmly secure the USB storage device before 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.

iPhone

- Do not leave the iPhone in places with high temperatures.
- Firmly secure the iPhone when driving. Do not let the iPhone fall onto the floor, where it may become jammed under the brake or accelerator pedal.
- Incompatible text saved on the iPhone will not be displayed by the unit.

Compressed audio compatibility

- Only the first 32 characters can be displayed as a file name (including the file extension) or a folder name.
- The unit may not work properly depending on the application used to encode WMA files.
- There may be a slight delay at the start of the playback of audio files embedded with image data, or audio files stored on a USB 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, smartphones, 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.

WMA files

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 files

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 files

- WAV file formats cannot be connected via MTP.

File extension	.wav
Quantization bits	8 and 16 (LPCM), 4 (MSADPCM)
Sampling frequency	16 kHz to 48 kHz (LPCM), 22.05 kHz and 44.1 kHz (MS ADPCM)

AAC files

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

FLAC files

- FLAC file formats cannot be connected via MTP.
- FLAC files may not be playable, depending on the encoder.

File extension	.flac
Sampling frequency	8/11.025/12/16/22.05/ 24/32/44.1/48/96 kHz
Quantization bit rate	16/24 bit
Channel mode	1/2 ch

Disc

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

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

USB device

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

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 USB device	Only the first partition can be played.

iPhone compatibility

This unit supports only the following iPhone models. Supported iPhone software versions are shown below. Older versions may not be supported.
Made for
– iPhone 7
– iPhone 7 Plus
– iPhone SE
– iPhone 6s
– iPhone 6s Plus
– iPhone 6
– iPhone 6 Plus
– iPhone 5s
– iPhone 5c
– iPhone 5

- Operations may vary depending on the generation and/or software version of the iPhone.
- Users of iPhone with the Lightning Connector should use the Lightning to USB Cable (supplied with iPhone).
- Refer to the iPhone manuals for information about the file/format compatibility.
- Audiobook, Podcast: Compatible

⚠ CAUTION

Pioneer accepts no responsibility for data lost on the iPhone, 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. Sequence of audio file depends on the connected device.
Note that the hidden files in a USB device cannot be played back.

Example of a hierarchy
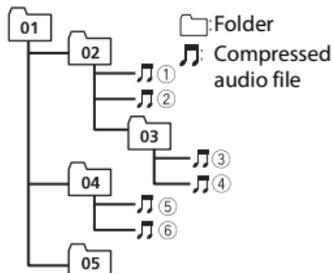
Level 1 Level 2 Level 3 Level 4

01 to 05: Folder number
① to ⑥: Playback sequence

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Bluetooth

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FLAC

Foundation
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iPhone

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Android & Google Play

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T-Kernel 2.0

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MP3

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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 (7 in. × 2 in. × 6-1/2 in.)
> Nose: 188 mm × 58 mm × 16 mm (7-3/8 in. × 2-1/4 in. × 5/8 in.) (DEH-S4000BT/S4010BT)
> Nose: 188 mm × 58 mm × 17 mm (7-3/8 in. × 2-1/4 in. × 5/8 in.) (DEH-S5000BT/S5010BT)
> D

Chassis: 178 mm × 50 mm × 165 mm (7 in. × 2 in. × 6-1/2 in.)
Nose: 170 mm × 46 mm × 16 mm (6-3/4 in. × 1-3/4 in. × 5/8 in.) (DEH-S4000BT/S4010BT)
Nose: 170 mm × 46 mm × 17 mm (6-3/4 in. × 1-3/4 in. × 5/8 in.) (DEH-S5000BT/S5010BT)
Weight: 1 kg (2.2 lbs)

Audio

Maximum power output:
- 50 W × 4 ch/4 Ω (for no subwoofer)
- 50 W × 2 ch/4 Ω + 70 W × 1 ch/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 (2 Ω for 1 ch) allowable)
Preout maximum output level: 2.0 V
Equalizer (13-Band Graphic Equalizer):
Frequency: 50 Hz/80 Hz/125 Hz/200 Hz/315 Hz/500 Hz/800 Hz/1.25 kHz/2 kHz/3.15 kHz/5 kHz/8 kHz/12.5 kHz
Gain: ±12 dB (2 dB step)
High pass filter:
Frequency: 25 Hz/31.5 Hz/40 Hz/50 Hz/63 Hz/80 Hz/100 Hz/125 Hz/160 Hz/200 Hz/250 Hz
Slope: –6 dB/oct, –12 dB/oct, –18 dB/oct, –24 dB/oct, OFF
Subwoofer/Low pass filter:
Frequency: 25 Hz/31.5 Hz/40 Hz/50 Hz/63 Hz/80 Hz/100 Hz/125 Hz/160 Hz/200 Hz/250 Hz
Slope: –6 dB/oct, –12 dB/oct, –18 dB/oct, –24 dB/oct, –30 dB/oct, –36 dB/oct, OFF
Gain: +10 dB to –24 dB (1 dB step)
Phase: Normal/Reverse
Speaker level:
+10 dB to –24 dB (1 dB step)
Time alignment:
0 Inch to 140 Inch (1 inch/Step)

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, 8, 9, 9.1, 9.2 (2 ch audio), Ver. 10, 11, 12 (Windows Media Player)
AAC decoding format: MPEG-4 AAC (iTunes encoded only) (Ver. 10.6 and earlier)
WAV signal format: Linear PCM (Non-compressed)

USB

USB standard specification: USB 2.0 full speed
Maximum current supply: 1.5 A
USB Protocol:
MSC (Mass Storage Class)
MTP (Media Transfer Protocol)
AOA (Android Open Accessory) 2.0
File system: FAT12, FAT16, FAT32
MP3 decoding format: MPEG-1 & 2 Audio Layer 3
WMA decoding format: Ver. 7, 8, 9, 9.1, 9.2 (2 ch audio), Ver. 10, 11, 12 (Windows Media Player)
AAC decoding format: MPEG-4 AAC (iTunes encoded only) (Ver. 10.6 and earlier)
FLAC decoding format: v1.2.1 (Free Lossless Audio Codec)
WAV signal format: Linear PCM (Non-compressed)

FM tuner

Frequency range: 87.9 MHz to 107.9 MHz
Usable sensitivity: 11 dBf (1.0 μV/75 Ω, mono, S/N: 30 dB)
Signal-to-noise ratio: 65 dB (analog broadcasting) (IHF-A network)

AM tuner

Frequency range: 530 kHz to 1 710 kHz

English

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Usable sensitivity: 25 μV (S/N: 20 dB)
Signal-to-noise ratio: 60 dB (analog broadcasting) (IHF-A network)

Bluetooth

Version: Bluetooth 4.0 certified
Output power: +4 dBm Maximum (Power class 2)
Frequency band(s): 2 400 MHz to 2 483.5 MHz
Bluetooth profiles:
GAP (Generic Access Profile)
SDAP (Service Discovery Application Profile)
HFP (Hands Free Profile) 1.6
PBAP (Phone Book Access Profile)
A2DP (Advanced Audio Distribution Profile)
AVRCP (Audio/Video Remote Control Profile) 1.5
SPP (Serial Port Profile) 1.1

CEA2006 Specifications

Power output: 14 W RMS × 4 Channels (4 Ω and $\leqq$ 1 % THD+N)
S/N ratio: 91 dBA (reference: 1 W into 4 Ω)

NOTE

Specifications and the design are subject to modifications without notice.