

CD RDS RECEIVER

Pioneer



DEH-X5800BT

DEH-4800BT

Operation Manual

English

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About this manual:

- In the following instructions, a USB memory or USB audio player are referred to as "USB device".
- In this manual, iPod and iPhone are referred to as "iPod".

Before You Start

Thank you for purchasing this PIONEER product

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



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.

⚠ 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 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.
- The Pioneer CarStereo-Pass is for use only in Germany.
- 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

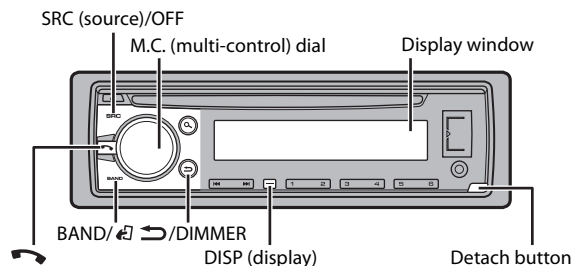
If you experience problems

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

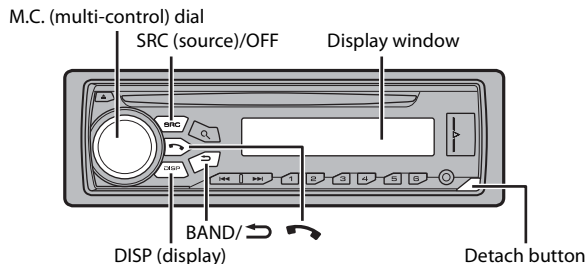
Getting Started

Basic operation

DEH-X580BT



DEH-480BT



Frequently used operations

The available buttons vary depending on the unit.



Purpose	Operation
Turn on the power*	Press SRC/OFF to turn on the power. Press and hold SRC/OFF to turn off the power.
Adjust the volume	Turn the M.C. dial.
Select a source	Press SRC/OFF repeatedly.
Change the display information	Press DISP repeatedly.
Return to the previous display/list	Press ↵ /DIMMER or BAND/ ↵ .
Return to the normal display from the menu	Press BAND/ ↵ , or press and hold BAND/ ↵ .
Answering/ending a call	Press ↵ .

* 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

The following indication may vary depending on the unit.

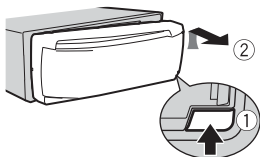
Indication	Description
➤	Appears when a lower tier of the menu or folder exists.
↶	Appears when the automatic answering function is set (page 9).
📶	Appears when a Bluetooth telephone is connected to this unit by HFP (Hands Free Profile) (page 8) and flashes while the telephone is on hold.
🎵	Appears when a Bluetooth audio player is connected to this unit by A2DP (Advanced Audio Distribution Profile) (page 8).
📞	Appears when the 🔍 button is pressed.
LOC	Appears when the local seek tuning function is set (page 12).
TP	Appears when a traffic program is received.
TA	Appears when the TA (traffic announcements) function is set (page 12).
🔍	Appears when the sound retriever function is set (page 12).
🔀	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).

Indication	Description
	Appears when the iPod control function is set (page 7).
	Appears when a Bluetooth connection is made (page 8).

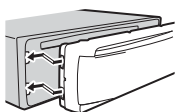
Detaching the front panel

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.

Setup menu

When you turn the ignition switch to ON after installation, [SET UP :YES] appears in the display.

1 Press the M.C. dial.

The setup menu disappears after 30 seconds of no operation. If you prefer not to set at this time, turn the M.C. dial to select [NO], then press to confirm.

2 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), [PYC](Russian), [TUR](Turkish)	Select the language to display the text information from a compressed audio file.
CLOCK SET	Set the clock.

Menu Item	Description
FM STEP [100], [50]	Select the FM tuning step from 100 kHz or 50 kHz.

3 [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.

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

NOTES

- You can cancel the menu setting by pressing SRC/OFF.
- These settings can be made at any time from the SYSTEM settings (page 13) and INITIAL settings (page 4).

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 and hold SRC/OFF 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.





Menu Item	Description
FM STEP [100], [50]	Select the FM tuning step from 100 kHz or 50 kHz.

Menu Item	Description
SP-P/O MODE	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.
[REAR/SUB.W]	
[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].
S/W UPDATE	Select to update the unit to the latest Bluetooth software. For details on Bluetooth software and updating, visit our website.
SYSTEM RESET	Select [YES] to initialize the unit settings. The unit will be restarted automatically.
[YES], [CANCEL]	(Some of the settings will be retained even after resetting the unit, such as Bluetooth pairing information, etc.)



Radio

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.



Receiving preset stations

- 1 Press **SRC/OFF** to select [RADIO].
- 2 Press **BAND/**  or **BAND/**  to select the band from [FM1], [FM2], [FM3], [MW] or [LW].
- 3 Press a number button (1/  to 6/ .

TIP







The   buttons can be also used to select a preset station when [SEEK] is set to [PCH] in the FUNCTION settings (page 12).

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 12).

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.

Using PTY functions

The unit searches for a station by PTY (program type) information.

- 1 Press  during FM reception.
- 2 Turn the **M.C.** dial to select a program type from [NEWS/INFO], [POPULAR], [CLASSICS] or [OTHERS].
- 3 Press the **M.C.** dial.
The unit begins to search for a station. When it is found, its program service name is displayed.

NOTES

- To cancel the search, press the **M.C.** dial.
- 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

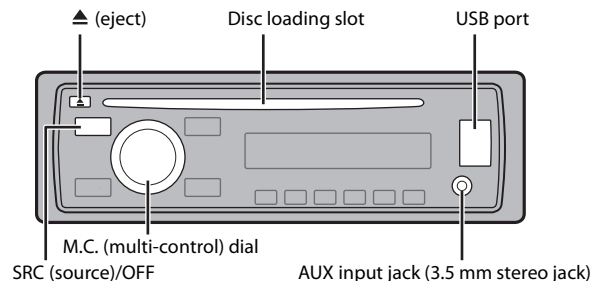
For more details about PTY list, visit the following site:

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

CD/USB/iPod/AUX

Playing back

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



NOTE

The arrangement of the buttons varies depending on 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 ▲.

USB devices (including Android™)/iPod

1 Open the USB port cover.

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

NOTE

To automatically switch to [USB] source when a USB device/iPod is connected to the unit, set [USB AUTO] to [ON] in the SYSTEM settings (page 14).

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 11.

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 cannot be used with the MIXTRAX function.

NOTE

If you use an MTP connection, [ANDROID WIRED] needs to be set to [MEMORY] in the SYSTEM settings (page 14).

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 13).

Operations

You can make various adjustments in the FUNCTION settings (page 12).

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/album*1	Press 1/▲ or 2/▼.
Select a track/song (chapter)	Press ◀◀ or ▶▶.
Fast forward or reverse*4	Press and hold ◀◀ or ▶▶.
Search for a file from a list	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.

Purpose	Operation
Alphabetical search (iPod only)	<ol style="list-style-type: none"> 1 Press Q to display the list. 2 Turn the M.C. dial to select the desired category list, then press Q to enter the alphabetical search mode. (Turning the M.C. dial twice also enters the alphabetical search mode.) 3 Turn the M.C. dial to select a letter, then press to display the alphabetical list. To cancel alphabetical search, press ↵/DIMMER or BAND/↵.
Repeat play	Press 6 / ↵ .
Random/shuffle play	Press 5 / ↵ .
Shuffle all play (iPod only)	Press and hold 5 / ↵ .
Pause/resume playback	Press 4 / PAUSE .
Sound retriever*1*2*3	Press 3 / S.Rtrv. [1]: Effective for low compression rates [2]: Effective for high compression rates
Return to root folder (CD/USB only)*1	Press and hold BAND / ↵ or Q .
Switch between compressed audio and CD-DA (CD only)	Press BAND / ↵ or BAND / ↵ .
Change drives in USB device (Devices that support the USB mass storage device class protocol only)	Press BAND / ↵ or BAND / ↵ .

*1 Compressed audio files only

*2 This function is disabled when USB is selected as a source and the MIXTRAX function is on.

*3 When there is no **3**/**S.Rtrv.** button on the unit, the sound retriever function can be set by the FUNCTION settings.

*4 When you use the fast forward or reverse function while playing a VBR file, the playback time may be not correct.

Useful functions for iPod

Link play mode

You can access songs based on the artist, album, or genre currently playing.

1 While listening to a song, press and hold **Q** to enter the link play mode.

2 Turn the **M.C.** dial to select the mode ([ARTIST], [ALBUM], [GENRE]), then press to confirm.

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

NOTE

The selected song/album may be canceled if you use functions other than those from the link play mode (e.g. fast forward and reverse).

iPod control

You can control the unit via a connected iPod.

The following iPod models are not compatible with this function.

- iPod nano 1st generation, iPod with video

1 Press **BAND**/**↵** or **BAND**/**↵** during playback, then select the control mode.

[CONTROL iPod]: The unit's iPod function can be operated from the connected iPod.

[CONTROL AUDIO]: The unit's iPod function can only be operated by the buttons on the unit. In this mode, the connected iPod cannot be turned on or off.

NOTES

- Switching the control mode to [CONTROL iPod] pauses song playback. Use the connected iPod to resume playback.
- The following operations are still accessible from the unit, even if the control mode is set to [CONTROL iPod].
 - Pause, fast forward/reverse, song/chapter selection
- The volume can only be adjusted from the unit.

About MIXTRAX (USB/iPod only)

(Only for DEH-X5800BT)

The MIXTRAX function creates a non-stop mix of your music library, accompanied by illumination effects. For details on MIXTRAX settings, see page 15.

NOTES

- This function is not compatible with an Android device connected via MTP.
- When USB is selected as a source and the MIXTRAX function is in use, the sound retriever function is disabled.
- 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.

Bluetooth

Bluetooth connection

Important

If three 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.
- 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.
- 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 three other devices. In this case, delete one of the paired devices. See [DEL DEVICE] or [GUEST MODE] in the Bluetooth settings (page 8).
- 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 a 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.

Menu Item	Description
DEL DEVICE [DELETE YES], [DELETE NO]	Delete the device information.
ADD DEVICE	Register a new device.
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.
GUEST MODE [ON], [OFF]	Select [ON] to move to the [DEL DEVICE] screen automatically when the unit has already been paired with three devices.
A.PAIRING [ON], [OFF]	Select [ON] to pair the unit and iPhone automatically when an iPhone is connected to the unit via USB. (This function may not be available depending on the version of iOS you are using.)

Bluetooth telephone


First, make a Bluetooth connection with the Bluetooth telephone (page 8). 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.

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

- 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.
Turn the privacy mode on or off	Press BAND/  or BAND/  during the call.


To preset phone numbers



- Select a phone number from a phone book or call history.
- 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.



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

To exit the voice recognition mode, press **BAND/**  or **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]	
[DIALLED]	Display the dialed call history.
[RECEIVED]	Display the received call history.
PHONE BOOK*1	Display the contacts which have been transferred from 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*2	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]	
PB INVT	Invert the order of names in the phone book (name view).
PB A.SYNC	Select whether or not to transfer the contacts from your phone automatically when your phone is connected to the unit. <ul style="list-style-type: none"> When connected for the first time, the contacts from your phone are transferred automatically, regardless of the [PB A.SYNC] setting. If you switch from [ON] to [OFF], the auto synchronization will not be performed on the next connection. If you switch from [OFF] to [ON], the auto synchronization will be performed when your phone is connected to the unit. During the auto synchronization, you cannot cancel the synchronization, even if you select [OFF].
[ON], [OFF]	
BT SETTING	You can adjust various settings for Bluetooth connections. For details on Bluetooth settings, see page 8.

- *1 The contacts on your phone will normally be transferred automatically when the phone is connected. If they are not, use your phone to transfer the contacts.
- *2 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/**  or **BAND/**  to start playback.

Basic operations

You can make various adjustments in the FUNCTION settings (page 12).

Purpose	Operation
Fast forward or reverse	Press and hold ◀◀ or ▶▶ .
Select a track	Press ◀◀ or ▶▶ .
Repeat play*	Press 6/  .
Random play*	Press 5/  .
Pause/resume playback	Press 4/PAUSE .
Search for a file from a list	<ol style="list-style-type: none"> 1 Press Q 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.

* 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. For details on compatible devices, visit our website.

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.

For iPhone users

This function is compatible with iPhones and iPod touches installed with iOS 5.0 or later.

For Android device users

This function is compatible with devices that have Android OS 2.3 or later installed and also support Bluetooth SPP (Serial Port Profile) and A2DP (Advance Audio Distribution Profile).

NOTE

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Playback of an application via the unit

- 1** Connect this unit with the mobile device.
 - iPhone via USB (page 6)
 - Android device via Bluetooth (page 8)
- 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 [APP CONN.SET], then press to confirm.
- 5** Turn the **M.C.** dial to select one of the below.
 - Select [WIRED] for iPhone.
 - Select [BLUETOOTH] for an Android device.
- 6** Press **SRC/OFF** to select [APP].
- 7** Operate the mobile device to start up the application.

Basic operations

You can make various adjustments in the FUNCTION settings (page 12).

Purpose	Operation
Select a track	Press ⏮ or ⏭ .
Fast forward or reverse	Press and hold ⏮ or ⏭ .
Pause/resume playback	Press BAND/⏸ or BAND/⏪ .

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) and iPod touches 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 Bluetooth SPP (Serial Port Profile) and 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 6)
 - Android device via Bluetooth (page 8)
- 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 [APP CONN.SET], then press to confirm.
- 5 Turn the M.C. dial to select one of the below.
 - Select [WIRED] for a device connected via USB.
 - Select [BLUETOOTH] for an Android device connected via Bluetooth. Proceed to step 9 if you select the USB connection for iPhone or the Bluetooth connection.
- 6 Press **BAND/↶** to display the previous menu list.
- 7 Turn the M.C. dial to select [ANDROID WIRED], then press to confirm.
- 8 Turn the M.C. dial to select [APP CONTROL] for an Android device connected via USB.

If [ON] is selected in [P.APP AUTO ON] (page 14), Pioneer ARC APP on the Android device starts automatically, and all the steps are finished.

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 14).
- 9 Press **SRC/OFF** to select any source.
- 10 Launch Pioneer ARC APP on the mobile device.

NOTE
You can also launch the application by pressing and holding the M.C. dial if you select the USB connection for iPhone or the Bluetooth connection.

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 .
Sound retriever*	Press 3/S.Rtrv . [1]: Effective for low compression rates [2]: Effective for high compression rates

* When there is no **3/S.Rtrv** button on the unit, the sound retriever function can be set by the FUNCTION settings.

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 12)
 - AUDIO settings (page 13)
 - SYSTEM settings (page 13)
 - ILLUMINATION settings (page 14)
 - MIXTRAX settings (page 15)
- 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
FM SETTING RADIO [TALK], [STANDARD], [MUSIC]	Match the sound quality level with the broadcast signal conditions of the FM band signal. (Available only when FM band is selected.)
BSM RADIO	Store the six strongest stations on the number buttons (1/▲ to 6/↶) automatically.
REGIONAL RADIO [ON], [OFF]	Limit the reception to the specific regional programs when AF (alternative frequencies search) is selected. (Available only when FM band is selected.)
LOCAL RADIO FM: [OFF], [LV1], [LV2], [LV3], [LV4] MW/LW: [OFF], [LV1], [LV2]	Restrict the tuning station according to the signal strength.

Menu Item	Description
TA RADIO [ON], [OFF]	Receive current traffic information if available. (Available only when FM band is selected.)
AF RADIO [ON], [OFF]	Allow the unit to retune to a different frequency providing the same station. (Available only when FM band is selected.)
NEWS RADIO [ON], [OFF]	Interrupt the currently selected source with news programs. (Available only when FM band is selected.)
SEEK RADIO [MAN], [PCH]	Assign ◀◀ or ▶▶ buttons to seek the stations one by one (manual tuning) or select a station from the preset channels.
SEL DEVICE APP BT AUDIO	Connect a Bluetooth device in the list.
S.RTRV CD USB iPod APP BT AUDIO ANDROID [1] (effective for low compression rates), [2] (effective for high compression rates), [OFF]	Enhance compressed audio and restore rich sound. Not available when: <ul style="list-style-type: none"> • USB is selected as a source and the MIXTRAX function is set to on. • CD-DA/CD-TEXT is played back.
AUDIO BOOK iPod [FASTER], [NORMAL], [SLOWER]	Change the playback speed. (Not available when [CONTROL iPod] is selected in the control mode.)
PAUSE APP	Pause or resume playback.
PLAY BT AUDIO	Start playback.
STOP BT AUDIO	Stop playback.

AUDIO settings

Menu Item	Description
FADER*1	Adjust the front and rear speaker balance.
BALANCE	Adjust the left and right speaker balance.
EQ SETTING	Select or customize the equalizer curve. [CUSTOM1] can be set separately for each source. However, each of the below combinations are set to the same setting automatically.
[SUPER BASS], [POWERFUL], [NATURAL], [VOCAL], [CUSTOM1], [CUSTOM2], [FLAT]	<ul style="list-style-type: none"> • USB, iPod, ANDROID, and APP (iPhone) • BT AUDIO, ANDROID, and APP (Android) [CUSTOM2] is a shared setting used for all sources.
Select an equalizer band and level for further customizing. Equalizer band: [80HZ], [250HZ], [800HZ], [2.5KHZ], [8KHZ] Equalizer level: [+6] to [-6]	
LOUDNESS	Compensate for clear sound at low volume.
[OFF], [LOW], [MID], [HI]	
SUB.W*2	Select the subwoofer phase.
[NOR], [REV], [OFF]	
SUB.W CTRL*2*3	Only frequencies lower than those in the selected range are output from the subwoofer.
Cut-off frequency: [50HZ], [63HZ], [80HZ], [100HZ], [125HZ], [160HZ], [200HZ] Output level: [-24] to [+6] Slope level: [-12], [-24]	
BASS BOOST	Select the bass boost level.
[0] to [+6]	
HPF SETTING	Only frequencies higher than the high-pass filter (HPF) cutoff are output from the speakers.
Cut-off frequency: [OFF], [50HZ], [63HZ], [80HZ], [100HZ], [125HZ], [160HZ], [200HZ] Slope level: [-12], [-24]	

Menu Item	Description
SLA	Adjust the volume level for each source except FM. Each of the below combinations are set to the same setting automatically.
[+4] to [-4]	<ul style="list-style-type: none"> • USB, iPod, ANDROID, and APP (iPhone) • BT AUDIO, ANDROID, and APP (Android)

*1 Not available when [SUB.W/SUB.W] is selected in [SP-P/O MODE] in the INITIAL settings (page 5).

*2 Not available when [REAR/REAR] is selected in [SP-P/O MODE] in the INITIAL settings (page 5).

*3 Not available when [OFF] is selected in [SUB.W].

SYSTEM settings

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

Menu Item	Description
LANGUAGE	Select the language to display the text information from a compressed audio file.
[ENG](English), [PYC](Russian), [TUR](Turkish)	
CLOCK SET	Set the clock (page 4).
12H/24H	Select the time notation.
[12H], [24H]	
INFO DISPLAY (Only for DEH-X5800BT)	Display the item on the sub information display. Select from "SPEANA", "LEVEL METER", "SOURCE", "CLOCK", and "OFF".
AUTO PI	Search for a different station with the same programming, even if using a preset station.
[ON], [OFF]	
AUX	Set to [ON] when using an auxiliary device connected to the unit.
[ON], [OFF]	

Menu Item	Description
USB AUTO	
[ON], [OFF]	Select [ON] to automatically switch to [USB] source when a USB device/iPod is connected to the unit. Select [OFF] when a USB device/iPod is being connected to the unit just for charging.
BT AUDIO	
[ON], [OFF]	Set the Bluetooth signal on/off.
PW SAVE*	
[ON], [OFF]	Reduce the battery power consumption. Turning on the source is the only operation allowed when this function is on.
BT MEM CLEAR	
[YES], [CANCEL]	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.
BT VERSION	
	Displays the system version of the unit and the Bluetooth module.
APP CONN.SET	
[WIRED], [BLUETOOTH]	Select the appropriate connection method according to your device.
ANDROID WIRED	
[MEMORY], [APP CONTROL]	Select the appropriate connection method for an Android device. • This setting is not available when [BLUETOOTH] is selected in [APP CONN.SET].
P.APP AUTO ON	
[ON], [OFF]	Select [ON] to automatically launch the car remote application when an Android device is connected to the unit via AOA. (Not available when [MEMORY] is selected in [ANDROID WIRED].)

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

ILLUMINATION settings

Menu Item	Description
COLOUR (Only for DEH-X5800BT)	
[KEY COLOUR], [DISP COLOUR], [BOTH COLOUR]	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 COLOUR] and [DISP COLOUR].
DIM SETTING	
[SYNC ILLUMI]*, [SYNC CLOCK], [MANUAL]	Change the display brightness. * Only for DEH-X5800BT
BRIGHTNESS	
[1] to [10]	Change the display brightness. The available setting ranges differ depending on [DIM SETTING].
PHONE COLOUR (Only for DEH-X5800BT)	
[FLASHING]	Select the key color when a call is received. Applies the color set by [KEY COLOUR].
[FLASH FX1] to [FLASH FX6]	Cycle through a variety of colors automatically.
[OFF]	No change in key color made.
ILLUMI FX (Only for DEH-X5800BT)	
[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

(Only for DEH-X5800BT)

Menu Item	Description
SHORT PLAYBACK	
[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	
[KEY/DISPLAY], [KEY], [OFF]	Select the area for the illumination effect. When [OFF] is selected, the color set under the ILLUMINATION settings (page 14) is used as the display color.
FLASH PATTERN	
[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.
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.

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, or switch to a different source, then back to the CD player.

ERROR-15

- The inserted disc is blank.
 - Replace the disc.

ERROR-23

- Unsupported CD format.

– Replace the disc.

FORMAT READ

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

– Wait until the message disappears and you hear sound.

NO AUDIO

→ The inserted disc does not contain any playable files.

– Replace the disc.

SKIPPED

→ The inserted disc contains DRM protected files.

– The protected files are skipped.

PROTECT

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

– Replace the disc.

USB 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 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 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 to ON, or disconnect the iPod 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.

→ 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 device was not formatted properly.

– Format the USB device with FAT12, FAT16 or FAT32.

ERROR-16

→ The iPod firmware version is old.

– Update the iPod version.

→ iPod failure.

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

STOP

→ There are no songs in the current list.

– Select a list that contains songs.

NOT FOUND

→ No related songs.

– Transfer songs to the iPod.

Bluetooth device

ERROR-10

→ The power failed for the Bluetooth module of the unit.

– Turn the ignition switch OFF and back to ACC or ON.

Apps

NO BT DEVICE GO TO BT MENU TO REGISTER

→ No Bluetooth device found.

– Connect the unit and the device via Bluetooth (page 8).


CONN. FAILED PRESS BAND KEY TO RETRY

→ Bluetooth connection failed.

– Press **BAND/**  or **BAND/**  to make a connection again.

DISCONNECTED PRESS BAND KEY TO RETRY

→ Bluetooth connection failed.

– Press **BAND/**  or **BAND/**  to make a connection again.

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.

– Operate the mobile device to start up the application.

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.
- 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.

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.

- The settings of the iPod such as the equalizer and repeat play are changed automatically when the iPod is connected to the unit. Once the iPod is disconnected, those settings will return to the original settings.
- Incompatible text saved on the iPod 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.
- 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

⚠ 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

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 500
Playable files	Up to 15 000
Playback of copyright-protected files	Not compatible
Partitioned USB device	Only the first partition can be played.

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 (1st through 5th generation)
 - iPod classic
 - iPod with video
 - iPod nano (1st through 7th generation)
 - iPhone 6
 - iPhone 6 Plus
 - iPhone 5s
 - iPhone 5c
 - iPhone 5
 - iPhone 4s
 - iPhone 4
 - iPhone 3GS
 - iPhone 3G
 - iPhone

- Operations may vary depending on the generation and/or software version of the iPod.
- Users of iPod with the Lightning Connector should use the Lightning to USB Cable (supplied with iPod).
- Users of iPod with the Dock Connector should use the CD-IU51. For details, consult your dealer.
- Refer to the iPod manuals for information about the file/format compatibility.
- Audiobook, Podcast: Compatible

CAUTION

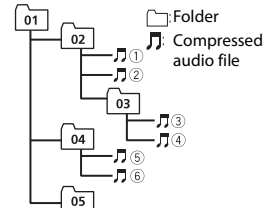
Pioneer accepts no responsibility for data lost on the iPod, even if that data is lost while this unit is used.

Sequence of audio files

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

Russian character chart

D: C	D: C	D: C
А: A	Б: B	В: B
Г: Г	Д: D	Е: E, Ё
Ж: Ж	З: Z	И: И, Ы
К: K	Л: L	М: M
Н: H	О: O	П: P
Р: P	С: C	Т: T
У: U	Ф: F	Х: X
Ц: Ц	Ч: Ч	Ш: Ш, Щ
Ъ: Ъ	Ы: Ы	Ь: Ь
Э: Э	Ю: Ю	Я: Я

D: Display C: Character

Copyright and trademark

Bluetooth

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iPod & iPhone

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Android & Google Play

Android, Google Play, and the Google Play logo are trademarks of Google Inc.

MIXTRAX

MIXTRAX is a trademark of the PIONEER CORPORATION.

Specifications

General

Power source: 14.4 V DC (10.8 V to 15.1 V allowable)

Grounding system: Negative type
Maximum current consumption: 10.0 A
Dimensions (W × H × D):

DIN

Chassis: 178 mm × 50 mm × 165 mm
Nose: 188 mm × 58 mm × 17 mm
D

Chassis: 178 mm × 50 mm × 165 mm
Nose: 170 mm × 46 mm × 17 mm

Weight: 1 kg

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 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)
AAC decoding format: MPEG-4 AAC (iTunes encoded only) (Ver. 10.6 and earlier)
WAV signal format: Linear PCM & MS ADPCM (Non-compressed)

USB

USB standard specification: USB 2.0 full speed
Maximum current supply: 1 A
USB 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, 7.1, 8, 9, 10, 11, 12 (2 ch audio) (Windows Media Player)
AAC decoding format: MPEG-4 AAC (iTunes encoded only) (Ver. 10.6 and earlier)
WAV signal format: Linear PCM & MS ADPCM (Non-compressed)

FM tuner

Frequency range: 87.5 MHz to 108.0 MHz
Usable sensitivity: 11 dBf (1.0 μ V/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 μ V (S/N: 20 dB)
Signal-to-noise ratio: 62 dB (IEC-A network)

LW tuner

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

Bluetooth

Version: Bluetooth 3.0 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)
 OPP (Object Push 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

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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