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DIGITAL MEDIA RECEIVER

Pioneer

English



MVH-S100UI
MVH-S100UB
MVH-S100UBG
MVH-S100UBA
MVH-S100UBW
MVH-S010UB

Owner's Manual

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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".

Declaration of Conformity with regard to the Radio Equipment Directive 2014/53/EU

Manufacturer: Pioneer Corporation 28-8, Honkomagome 2-chome, Bunkyo-ku, Tokyo 113-0021, Japan	EU Representative's & Importer: Pioneer Europe NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium http://www.pioneer-car.eu
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[*] MVH-S100UI, MVH-S100UB, MVH-S100UBG, MVH-S100UBA, MVH-S100UBW, MVH-S010U

English:

Hereby, Pioneer declares that the radio equipment type [*] is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: <http://www.pioneer-car.eu/compliance>

Suomi:

Pioneer vakuuttaa, että radiolaitetyyppi [*] on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: <http://www.pioneer-car.eu/compliance>

Nederlands:

Hierbij verklaar ik, Pioneer, dat het type radioapparaat [*] conform is met Richtlijn 2014/53/EU.

De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: <http://www.pioneer-car.eu/compliance>

Français:

Le soussigné, Pioneer, déclare que l'équipement radioélectrique du type [*] est conforme à la directive 2014/53/UE.

Le texte complet de la déclaration UE de conformité est disponible à l'adresse Internet suivante: <http://www.pioneer-car.eu/compliance>

Svenska:

Härmed försäkrar Pioneer att denna typ av radioutrustning [*] överensstämmer med direktiv 2014/53/EU.

Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: <http://www.pioneer-car.eu/compliance>

Dansk:

Hermed erklærer Pioneer, at radioudstyrstypen [*] er i overensstemmelse med direktiv 2014/53/EU. EU-oversensstemmelseerklæringens fulde tekst kan findes på følgende internetadresse: <http://www.pioneer-car.eu/compliance>

Deutsch:

Hiermit erklärt Pioneer, dass der Funkanlagentyp [*] der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: <http://www.pioneer-car.eu/compliance>

Ελληνικά:

Με την παρούσα ο/η Pioneer, δηλώνει ότι ο ραδιοεξοπλισμός [*] πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: <http://www.pioneer-car.eu/compliance>

Italiano:

Il fabbricante, Pioneer, dichiara che il tipo di apparecchiatura radio [*] è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: <http://www.pioneer-car.eu/compliance>

Español:

Por la presente, Pioneer declara que el tipo de equipo radioeléctrico [*] es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: <http://www.pioneer-car.eu/compliance>

Português:

O(a) abaixo assinado(a) Pioneer declara que o presente tipo de equipamento de rádio [*] está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: <http://www.pioneer-car.eu/compliance>

Čeština:

Timto Pioneer prohlašuje, že typ rádiového zařízení [*] je v souladu se směrnicí 2014/53/EU.

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.

Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: <http://www.pioneer-car.eu/compliance>

Esti:

Käesolevaga deklareerib Pioneer, et käesoleval raadioseadme tüüp [*] vastab direktiivile 2014/53/EU nõuetele.

ELi vastusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: <http://www.pioneer-car.eu/compliance>

Magyar:

Pioneer igazolja, hogy a [*] típusú rádióberendezés megfelel a 2014/53/EU irányelvnek.

Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: <http://www.pioneer-car.eu/compliance>

Latviešu valoda:

Ar šo Pioneer deklarē, ka radioiekārta [*] atbilst Direktīvai 2014/53/ES.

Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: <http://www.pioneer-car.eu/compliance>

Lietuvių kalba:

Aš, Pioneer, patvirtinu, kad radijo įrenginių tipas [*] atitinka Direktyvą 2014/53/ES.

Visas atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: <http://www.pioneer-car.eu/compliance>

Malti:

B'dan, Pioneer, niddikjara li dan it-tip ta' taghmir tar-radju [*] huwa konformi mad-Direttiva 2014/53/EU.

It-test kollu tad-dikjarazzjoni ta' konformita tal-EU huwa disponibbli f'dan l-indirizz tal-Internet li gjej: <http://www.pioneer-car.eu/compliance>

Slovenčina:

Pioneer týmto vyhlasuje, že rádiové zariadenie typu [*] je v súlade so smernicou 2014/53/EU.

Úplné EU vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: <http://www.pioneer-car.eu/compliance>

Slovensčina:

Pioneer potvrdzuje, da je tip radijske opreme [*] skladen z Direktivo 2014/53/EU.

Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: <http://www.pioneer-car.eu/compliance>

Română:

Prin prezenta, Pioneer declară că tipul de echipamente radio [*] este în conformitate cu Directiva 2014/53/UE.

Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: <http://www.pioneer-car.eu/compliance>

български:

С настоящото Pioneer декларира, че този тип радиосъоръжение [*] е в съответствие с Директива 2014/53/ЕС.

Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: <http://www.pioneer-car.eu/compliance>

Polski:

Pioneer niniejszym oświadczam, że typ urządzenia radiowego [*] jest zgodny z dyrektywą 2014/53/UE.

Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: <http://www.pioneer-car.eu/compliance>

Norsk:

Herved Pioneer erklærer at radioutstyr type [*] er i samsvar med direktiv 2014/53/EU.

Den fullstendige teksten i EU-samsvarserklæringen er tilgjengelig på følgende internetadresse: <http://www.pioneer-car.eu/compliance>

Isleńska:

Hér með Pioneer lýsir yfir að tegund þráðlausan búnað [*] er í samræmi við tilskipun 2014/53/ESB. The fullur texti af ESB-samræmisfrýfingunni er í boði á eftirfarandi veffangi: <http://www.pioneer-car.eu/compliance>

Hrvatski:

Pioneer ovime izjavljuje da je radijska oprema tipa [*] u skladu s Direktivom 2014/53/EU.

Cjeloviti tekst EU izjave o skladnosti dostupan je na sljedećoj internetskoj adresi: <http://www.pioneer-car.eu/compliance>

Türk:

Burada, Pioneer radyo ekipmanı turunun [*] 2014/53/EU direktiflerine uyumlu olduğunu beyan eder. Avrupa uyumluluk beyanının tam metni belirtilen internet sitesinde mevcuttur: <http://www.pioneer-car.eu/compliance>

• This product is evaluated in moderate and tropical climate condition under the Audio, video and similar electronic apparatus - Safety requirements, IEC 60065.

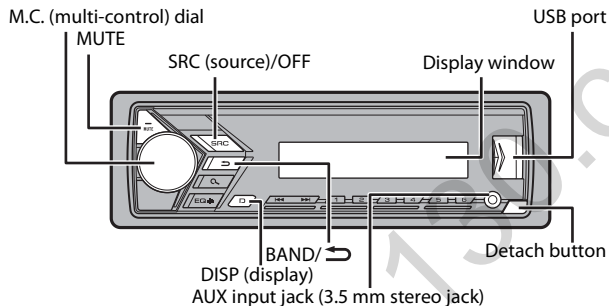
If you experience problems

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

Getting Started

Basic operation

MVH-S100UI/S100UB/S100UBG/S100UBA/S100UBW/S010UB



Frequently used operations

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. Press MUTE to mute the unit. Press MUTE again or turn the M.C. dial to unmute.
Select a source	Press SRC/OFF repeatedly.
Change the display information	Press DISP repeatedly.
Return to the previous display/list	Press BAND/ ↵.
Return to the normal display from the menu	Press and hold BAND/ ↵.

* 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.

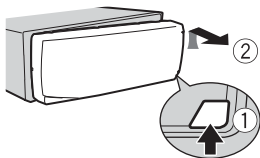
Display indication

Indication	Description
⚡	Appears when a lower tier of the menu or folder exists.
🔍	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).
S.Rtrv	Appears when the sound retriever function is set (page 12).
📱	Appears when the iPod control function is set (page 8).

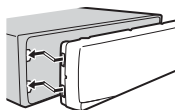
Detaching the front panel

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.

Menu Item	Description
CLOCK SET	Set the clock.
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 5).

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.
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].
S/W UPDATE [SYSTEM INFO]	Select to confirm the latest system information on the unit.
[SYSTEM UPDATE]	Select to update the unit to the latest software and initialize the unit settings. For details on the latest software and updating, visit our website.
SYSTEM RESET [YES], [NO]	Select [YES] to initialize the unit settings. The unit will be restarted automatically. (Some of the settings may be retained even after resetting the unit.)

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/** 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 **Q** 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.

USB/iPod/AUX

NOTE

iPod function is not available for MVH-S100UB/S100UBG/S100UBA/S100UBW/S010UB.

Playing back

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

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 10.

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 and FLAC file formats.

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 14).


Operations

You can make various adjustments in the FUNCTION settings (page 11).

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*2	Press and hold ⏮ or ⏭ .

Purpose	Operation
Search for a file from a list	<ol style="list-style-type: none"> 1 Press Q 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.
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 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	Press 3/S.Rtrv. [1]: Effective for low compression rates [2]: Effective for high compression rates
Return to root folder (USB only)*1	Press and hold Q .

Purpose	Operation
Change drives in USB device (Devices that support the USB mass storage device class protocol 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.

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/**  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 or supplied remote control. In this mode, the connected iPod cannot be turned on or off.

NOTES

- Pressing **iPod** can also switch the control mode (only for MVH-S100UI).

- 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.

App Mode

(APP mode is not available for MVH-S100UB/S100UBG/S100UBA/S100UBW/S010UB.)

You can enjoy listening to an application on an iPhone 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.

NOTE

PIONEER IS NOT LIABLE FOR ANY THIRD PARTY APPS OR CONTENT, INCLUDING WITHOUT LIMITATION THEIR ACCURACY OR COMPLETENESS. THE CONTENT AND FUNCTIONALITY OF SUCH APPS ARE THE SOLE RESPONSIBILITY OF THE APP PROVIDER.

Playback of an application via the unit

- 1 **Connect this unit with the mobile device.**
 - iPhone via USB (page 7)

- 2 Press **SRC/OFF** to select [APP].

- 3 Operate the mobile device to start up the application.

Basic operations

You can make various adjustments in the FUNCTION settings (page 11).

Purpose	Operation
Select a track	Press ◀◀ or ▶▶ .
Fast forward or reverse	Press and hold ◀◀ or ▶▶ .
Pause/resume playback	Press BAND/⏸ .

Spotify®

(MVH-S100UI is only compatible with Spotify installed on iPhone.)

Spotify is a music streaming distribution service not affiliated with Pioneer. More information is available at <http://www.spotify.com>.

The Spotify application is available for compatible smartphones, please visit <https://support.spotify.com/> for the latest compatibility information.

To enjoy Spotify as you drive, first download the Spotify app to your iPhone. You can download it on the iTunes App Store. Choose a free account or a paid Premium account, either in the app or at spotify.com. A Premium account gives you more features, like offline listening.

Important

- This product incorporates Spotify software which is subject to 3rd party licenses found here: www.spotify.com/connect/third-party-licenses.
- For information on the countries and regions where Spotify can be used, take a look at <https://www.spotify.com/us/select-your-country/>.

Listening to Spotify

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

- 1 **Connect this unit with the mobile device.**

- iPhone via USB (page 7)

- Press **SRC/OFF** to select [SPOTIFY].
- Launch the Spotify application on the mobile device and start playback.

Basic operations

You can make various adjustments in the FUNCTION settings (page 11).

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	<ol style="list-style-type: none"> Press 🔍 (list) to display the list. Turn the M.C. dial to select the desired category, then press to confirm. Turn the M.C. dial to select the desired file, then press to confirm. Playback starts.
Pause/resume playback	Press 4/PAUSE .
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.	<ol style="list-style-type: none"> Press and hold 🔍 (list) to start a radio. Press the M.C. dial. <ul style="list-style-type: none"> • This function may not be available depending on the selected song.

Purpose	Operation
Store the information about the song currently being played. Remove the song information stored.	<ol style="list-style-type: none"> Press and hold 3/S.Rtrv. [SAVE]/[UNSAVE] appears. Press the M.C. dial.

NOTE

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

Using Pioneer ARC APP

(Pioneer ARC APP for iPhone is not available for MVH-S100UB/S100UBG/S100UBA/S100UBW/S010UB.)

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 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 7)
 Proceed to step 6 if you select the USB connection for iPhone.
- 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 [ANDROID WIRED], then press to confirm.
- 5 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).

- 6 Press **SRC/OFF** to select any source.
- 7 Launch Pioneer ARC APP on the mobile device.

NOTE

You can also launch the application by pressing and holding the **M.C.** dial for iPhone.

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 ▶▶ .

Purpose	Operation
Pause/resume playback	Press 4/PAUSE .
Sound retriever	Press 3/S.Rtrv . [1]: Effective for low compression rates [2]: Effective for high compression rates

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 11)
 - AUDIO settings (page 12)
 - SYSTEM settings (page 13)
 - ILLUMINATION settings (page 14)
- 3 Turn the **M.C.** dial to select the options, then press to confirm.

NOTES


- iPod-related menu items in the following tables are not available for MVH-S100UB/S100UBG/S100UBA/S100UBW/S010UB.
- APP mode-related menu items in the following tables are not available for MVH-S100UB/S100UBG/S100UBA/S100UBW/S010UB.

FUNCTION settings

The menu items vary according to the source.

Menu Item	Description
FM SETTING <input type="button" value="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 <input type="button" value="RADIO"/>	
	Store the six strongest stations on the number buttons (1/▲ to 6/↻) automatically.
REGIONAL <input type="button" value="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 <input type="button" value="RADIO"/>	
FM: [OFF], [LV1], [LV2], [LV3], [LV4] MW/LW: [OFF], [LV1], [LV2]	Restrict the tuning station according to the signal strength.
TA <input type="button" value="RADIO"/>	
[ON], [OFF]	Receive current traffic information if available. (Available only when FM band is selected.)
AF <input type="button" value="RADIO"/>	
[ON], [OFF]	Allow the unit to retune to a different frequency providing the same station. (Available only when FM band is selected.)
NEWS <input type="button" value="RADIO"/>	
[ON], [OFF]	Interrupt the currently selected source with news programs. (Available only when FM band is selected.)

Menu Item	Description
SEEK <input type="button" value="RADIO"/>	
[MAN], [PCH]	Assign ◀◀ or ▶▶ buttons to seek the stations one by one (manual tuning) or select a station from the preset channels.
SAVE <input type="button" value="SPOTIFY"/>	
	Store the information about the song currently being played to your music list on Spotify.
UNSAVE <input type="button" value="SPOTIFY"/>	
	Remove the song information stored in [SAVE].
S.RTRV <input type="button" value="USB"/> <input type="button" value="iPod"/> <input type="button" value="APP"/> <input type="button" value="ANDROID"/> <input type="button" value="SPOTIFY"/>	
[1] (effective for low compression rates), [2] (effective for high compression rates), [OFF]	Enhance compressed audio and restore rich sound. Not available when the FLAC file is played back.
AUDIO BOOK <input type="button" value="iPod"/>	
[FASTER], [NORMAL], [SLOWER]	Change the playback speed. (Not available when [CONTROL iPod] is selected in the control mode.)
PAUSE <input type="button" value="APP"/>	
	Pause or resume playback.
AUDIO settings	
Menu Item	Description
FADER*1	
	Adjust the front and rear speaker balance.

Menu Item	Description
BALANCE	Adjust the left and right speaker balance.
EQ SETTING	
[SUPER BASS], [POWERFUL], [NATURAL], [VOCAL], [CUSTOM1], [CUSTOM2], [FLAT]	Select or customise the equalizer curve. [CUSTOM1] can be set separately for each source. However, each of the below combinations are set to the same setting automatically.
Select an equalizer band and level for further customising.	• USB, iPod, ANDROID, SPOTIFY, and APP (iPhone)
Equalizer band: [80HZ], [250HZ], [800HZ], [2.5KHZ], [8KHZ]	[CUSTOM2] is a shared setting used for all sources.
Equalizer level: [+6] to [-6]	You can also switch the equalizer by pressing EQ  repeatedly (Only for MVH-S100UB/S100UBG/S100UBA/S100UBW/S010UB).
LOUDNESS	
[OFF], [LOW], [MID], [HI]	Compensate for clear sound at low volume.
SUB.W*2	
[NOR], [REV], [OFF]	Select the subwoofer phase.
SUB.W CTRL*2*3	
Cut-off frequency: [50HZ], [63HZ], [80HZ], [100HZ], [125HZ], [160HZ], [200HZ] Output level: [-24] to [+6] Slope level: [-12], [-24]	Only frequencies lower than those in the selected range are output from the subwoofer.
BASS BOOST	
[0] to [+6]	Select the bass boost level.

Menu Item	Description
HPF SETTING	
Cut-off frequency: [OFF], [50HZ], [63HZ], [80HZ], [100HZ], [125HZ], [160HZ], [200HZ] Slope level: [-12], [-24]	Only frequencies higher than the high-pass filter (HPF) cutoff are output from the speakers.
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. • USB, iPod, ANDROID, SPOTIFY, and APP (iPhone)
*1 Not available when [SUB.W/SUB.W] is selected in [SP-P/O MODE] in the INITIAL settings (page 6).	
*2 Not available when [REAR/REAR] is selected in [SP-P/O MODE] in the INITIAL settings (page 6).	
*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	
[ENG](English), [PYC](Russian), [TUR](Turkish)	Select the language to display the text information from a compressed audio file.
CLOCK SET	Set the clock (page 5).
12H/24H	
[12H], [24H]	Select the time notation.

Menu Item	Description
AUTO PI [ON], [OFF]	Search for a different station with the same programming, even if using a preset station.
AUX [ON], [OFF]	Set to [ON] when using an auxiliary device connected to the unit.
SPOTIFY [ON], [OFF]	Set to [ON] when using the Spotify function.
MUTE MODE (Only for MVH-S100UI) [MUTE], [20dB ATT], [10dB ATT]	Mute or attenuate sound automatically when a signal from equipment with a mute function is received.
PW SAVE* [ON], [OFF]	Reduce the battery power consumption. Turning on the source is the only operation allowed when this function is on.
ANDROID WIRED [MEMORY], [APP CONTROL]	Select the appropriate connection method for an Android device.
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. (Not available when [MEMORY] is selected in [ANDROID WIRED].)

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.

* [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
DIM SETTING [SYNC CLOCK], [MANUAL]	Change the display brightness.
BRIGHTNESS [1] to [10]	Change the display brightness. The available setting ranges differ depending on [DIM SETTING].


Connections/Installation

Connections

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



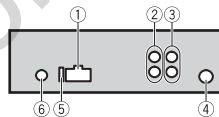
No ACC position
- Use of this unit in conditions other than the following could result in fire or malfunction.
 - Vehicles with a 12-volt battery and negative grounding.
 - When speaker output is used by 4 channels, use speakers over 50 W (maximum input power) and between 4 Ω to 8 Ω (impedance value). 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.
 - 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.

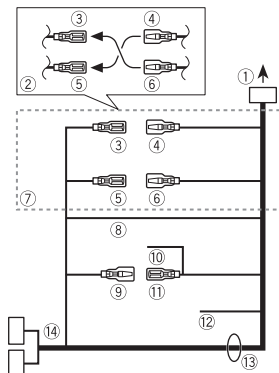
- Never connect the blue/white cable to the power terminal of an external power amp. Also, never connect it to the power terminal of the auto antenna. Doing so may result in battery drain or a malfunction.
- The black cable is ground. Ground cables for this unit and other equipment (especially, high-current products such as power amps) must be wired separately. If they are not, an accidental detachment may result in a fire or malfunction.
- The graphical symbol  placed on the product means direct current.

This unit



- Power cord input
- Rear output or subwoofer output
- Front output (Only for MVH-S100UI)
- Antenna input
- Fuse (10 A)
- Wired remote input (Only for MVH-S100UI)
Hard-wired remote control adapter can be connected (sold separately).

Power cord



- To power cord input
- Depending on the kind of vehicle, the function of ③ and ⑤ may be different. In this case, be sure to connect ④ to ⑤ and ⑥ to ③.
- Yellow Back-up (or accessory)
- Yellow Connect to the constant 12 V supply terminal.
- Red Accessory (or back-up)
- Red Connect to terminal controlled by the ignition switch (12 V DC).
- Connect leads of the same colour to each other.
- Black (chassis ground)

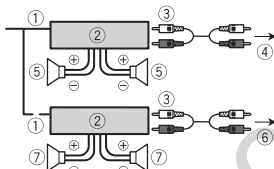
- ⑨ Blue/white
The pin position of the ISO connector will differ depending on the type of vehicle. Connect ⑨ and ⑪ when Pin 5 is an antenna control type. In another type of vehicle, never connect ⑨ and ⑪.
- ⑩ Blue/white
Connect to the system control terminal of the power amp (max. 300 mA 12 V DC).
- ⑪ Blue/white
Connect to the auto-antenna relay control terminal (max. 300 mA 12 V DC).
- ⑫ Yellow/black (Only for MVH-S100UI)
If you use equipment with a Mute function, wire this lead to the Audio Mute lead on that equipment. If not, keep the Audio Mute lead free of any connections.
- ⑬ Speaker leads
White: Front left ⊕
White/black: Front left ⊖
Gray: Front right ⊕
Gray/black: Front right ⊖
Green: Rear left ⊕ or subwoofer ⊕
Green/black: Rear left ⊖ or subwoofer ⊖
Violet: Rear right ⊕ or subwoofer ⊕
Violet/black: Rear right ⊖ or subwoofer ⊖
- ⑭ ISO connector
In some vehicles, the ISO connector may be divided into two. In this case, be sure to connect to both connectors.

NOTES

- Change the initial menu of this unit. Refer to [SP-P/O MODE] (page 6). The subwoofer output of this unit is monaural.
- 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.

Power amp (sold separately)

Perform these connections when using the optional amplifier.

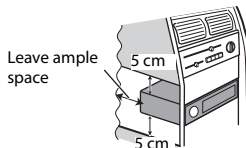


- ① System remote control
Connect to blue/white cable.
- ② Power amp (sold separately)
- ③ Connect with RCA cables (sold separately)
- ④ To front output*
- ⑤ Front speaker*
- ⑥ To rear output or subwoofer output
- ⑦ Rear speaker or subwoofer
- * Only for MVH-S100UI

Installation

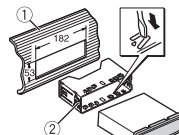
Important

- Check all connections and systems before final installation.
- Do not use unauthorized parts as this may cause malfunctions.
- Consult your dealer if installation requires drilling of holes or other modifications to the vehicle.
- Do not install this unit where:
 - it may interfere with operation of the vehicle.
 - it may cause injury to a passenger as a result of a sudden stop.
- The semiconductor laser will be damaged if it overheats. Install this unit away from hot places such as near the heater outlet.
- Optimum performance is obtained when the unit is installed at an angle of less than 60°.
- When installing, to ensure proper heat dispersal when using this unit, make sure you leave ample space behind the rear panel and wrap any loose cables so they are not blocking the vents.



DIN mount installation

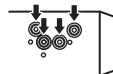
- 1 Insert the supplied mounting sleeve into the dashboard.
- 2 Secure the mounting sleeve by using a screwdriver to bend the metal tabs (90°) into place.



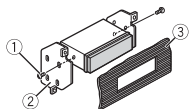
- ① Dashboard
② Mounting sleeve
- Make sure that the unit is installed securely in place. An unstable installation may cause skipping or other malfunctions.

When not using the supplied mounting sleeve

- 1 Line up the holes on the mounting bracket with the holes on the sides of the unit to attach the bracket.



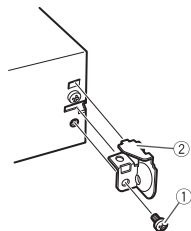
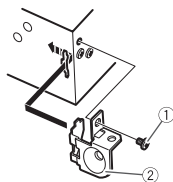
- 2 Screw in one screw on each side to hold the unit in place.



- ① Tapping screw (5 mm × 9 mm, not supplied with product)
- ② Mounting bracket
- ③ Dashboard or console

Using the included bracket

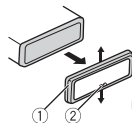
Check to make sure that the included bracket matches your particular model of vehicle and then attach it to the unit as shown below.



- ① Screw
- ② Bracket

Removing the unit (installed with the supplied mounting sleeve)

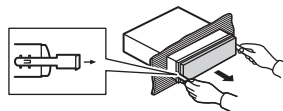
- 1 Remove the trim ring.



- 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.

- 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.



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.

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.

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.

APP

START UP APP

→ The application has not started running yet.

- Operate the mobile device to start up the application.

Spotify

CHECK APP

→ Connection to the Spotify application failed.

- Follow the instructions that appear on the screen.

Handling guidelines

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
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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)

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 kHz
Quantization bit rate	16 bit
Channel mode	1/2 ch

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 6th generation)

- iPod classic
- iPod with video
- iPod nano (1st through 7th generation)
- iPhone 6s
- iPhone 6s Plus
- 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

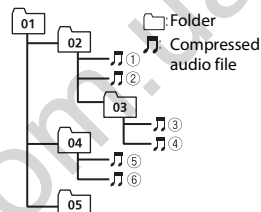
Pioneer accepts no responsibility for data lost on the iPod, even if that data is lost while this unit is used.

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

D: Display C: Character

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FLAC

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this accessory with iPod or iPhone may affect wireless performance.

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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 × 97 mm
Nose: 188 mm × 58 mm × 17 mm
D
Chassis: 178 mm × 50 mm × 97 mm
Nose: 170 mm × 46 mm × 17 mm

Weight: 0.5 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

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, 8, 9, 9.1, 9.2 (2 ch audio)

FLAC decoding format: v1.3.0 (Free Lossless Audio Codec)

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)

NOTE

Specifications and the design are
subject to modifications without
notice.