

Pioneer

CD RECEIVER

RADIO CD

CD PLAYER

CD接收機

جهاز استقبال مع مشغل اسطوانات CD

DEH-4250SD

English

Español

Português (B)

中文

العربية

Operation Manual
Manual de instrucciones
Manual de operação
使用説明書
كتيب التشغيل

SUPER  **TUNER III D**

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.*

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Before You Start

About this unit

CAUTION

- Do not allow this unit to come into contact with liquids. Electrical shock could result. Also, damage to this unit, smoke, and overheating could result from contact with liquids.
- "CLASS 1 LASER PRODUCT"
This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product. Refer all servicing to qualified personnel.
- Always keep the volume low enough to hear outside sounds.
- Avoid exposure to moisture.
- If the battery is disconnected or discharged, any preset memory will be erased. 


In case of trouble

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

Demo mode

Important

Failure to connect the red lead (ACC) of this unit to a terminal coupled with ignition switch on/off operations may lead to battery drain.

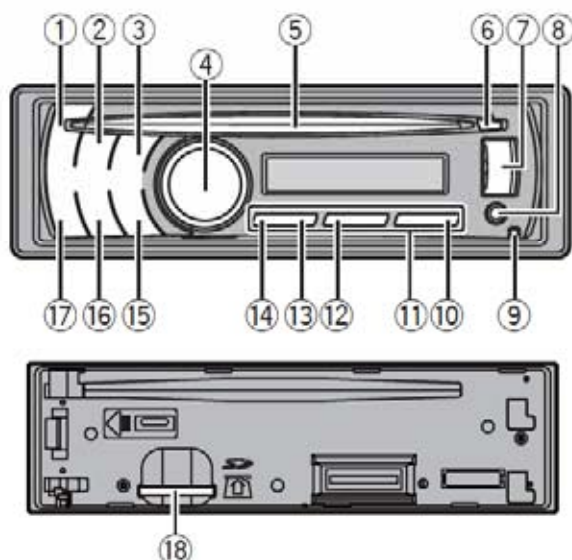
The demo automatically starts when the ignition switch is set to ACC or ON while the unit is turned off. Turning off the unit does not cancel demo mode. To cancel the demo mode, press **↔/DISP/SCRL**. Press **↔/DISP/SCRL** again to start. Operating the demo while the ignition switch is set to ACC may drain battery power. 

About this manual

In the following instructions, USB memories, USB portable audio players, and SD memory cards are collectively referred to as "external storage devices (USB, SD)." If only USB memories and USB portable audio players are indicated, they are collectively referred to as "USB storage devices."

In this manual, iPod and iPhone will be referred to as iPod. 

Head unit



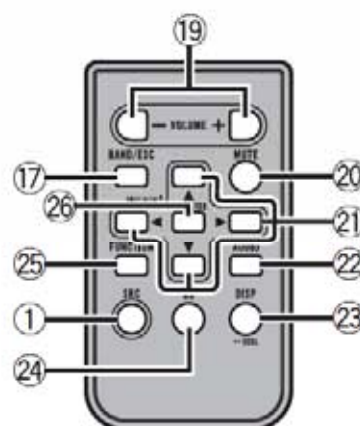
Part	Part
① SRC/OFF	⑩ 6/PAUSE
② S.Rtrv	⑪ 1 to 6
③ (list)	⑫ 3/rewind
④ MULTI-CONTROL (M.C.)	⑬ 2/stop
⑤ Disc loading slot	⑭ 1/iPod
⑥ (eject)	⑮ DISP/SCRL
⑦ USB port	⑯ CLK/DISP OFF
⑧ AUX input jack (3.5 mm stereo jack)	⑰ BAND/ESC
⑨ Detach button	⑱ SD memory card slot You can see the SD memory card slot if you remove the front panel.

**CAUTION**

Use an optional Pioneer USB cable (CD-U51E) to connect the USB audio player/USB memory to the USB port. Since the USB audio player/USB memory is projected forward from the unit, it is dangerous to connect directly.

Do not use the unauthorized product. ■

Remote control

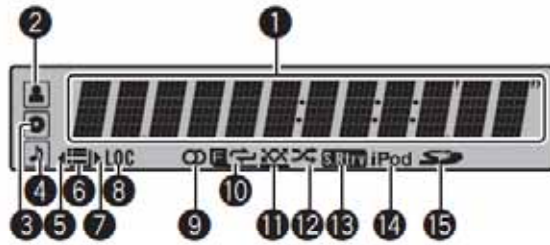


Part	Operation
⑱ VOLUME	Press to increase or decrease volume.
⑳ MUTE	Press to mute. Press again to unmute.
㉑ ▲/▼/◀/▶	Press to perform manual seek tuning, fast forward, reverse and track search controls. Also used for controlling functions.
㉒ AUDIO	Press to select an audio function.
㉓ DISP/SCRL	Press to select different displays. Press and hold to scroll through the text information.
㉔ II	Press to pause or resume.
㉕ FUNCTION	Press to select functions. Press and hold to recall the initial setting menu when the sources are off.
㉖ LIST/ENTER	Press to display the list depending on the source. While in the operating menu, press to control functions.



Operating this unit

Display indication



Indicator	State
1	Main display section Tuner: band and frequency Built-in CD, external storage device (USB, SD) and iPod: elapsed playback time and text information
2	The disc (track) artist name is displayed. Artist search refinement on the iPod browsing function is in use.
3	The disc (album) name is displayed. Album search refinement on the iPod browsing function is in use.
4	The track (song) name is displayed. A playable audio file has been selected while operating the list. Song search refinement on the iPod browsing function is in use.
5	An upper tier of folder or menu exists.
6	The list function is operated.
7	A lower tier of folder or menu exists. It flashes when a song/album related to the song currently playing is selected from iPod.
8 LOC	The local seek tuning is on.
9	The selected frequency is being broadcasted in stereo.
10	Folder repeat is on. When repeat function is on, only is displayed.
11	Folder random is on. When random function is on, only is displayed.

12	(shuffle) Shuffle or shuffle all function is on while the iPod source is being selected.
13	(sound retriever) The sound retriever function is on.
14 iPod	CTRL (control mode) is set to iPod.
15	(SD memory card) SD/SDHC memory card is inserted.



Basic Operations

Important

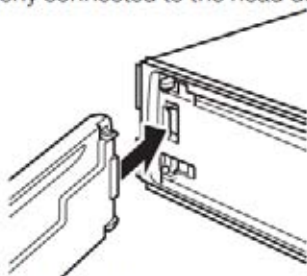
- Handle gently when removing or attaching the front panel.
- Avoid subjecting the front panel to excessive shock.
- Keep the front panel out of direct sunlight and high temperatures.
- Remove any cables and devices attached to this unit before detaching the front panel to avoid damage to the device or vehicle interior.

Removing the front panel to protect your unit from theft

- 1 Press the detach button to release the front panel.
- 2 Grab the front panel and remove.
- 3 Always keep the detached front panel in the protection device such as protection case.

Re-attaching the front panel

- 1 Slide the front panel to the left until it clicks. Front panel and the head unit are connected on the left side. Make sure that the front panel has been properly connected to the head unit.



- 2 Press the right side of the front panel until it is firmly seated. If you can't attach the front panel to the head unit successfully, try again. However, forcing the front panel into place may result in damage.

Turning the unit on

- 1 Press **SRC/OFF** to turn the unit on.

Turning the unit off

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

Selecting a source

- 1 Press **SRC/OFF** to cycle between:
TUNER (tuner)—**CD** (built-in CD player)—**USB** (USB)/**USB-iPod** (iPod)—**SD** (SD memory card)—**AUX** (AUX)

Adjusting the volume

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



Note

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

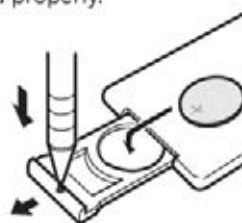
Use and care of the remote control

Using the remote control

- 1 Point the remote control in the direction of the front panel to operate. When using for the first time, pull out the film protruding from the tray.

Replacing the battery

- 1 Slide the tray out on the back of the remote control.
- 2 Insert the battery with the plus (+) and minus (−) poles aligned properly.



WARNING

- Keep the battery out of the reach of children. Should the battery be swallowed, consult a doctor immediately.
- Batteries (battery pack or batteries installed) must not be exposed to excessive heat such as sunshine, fire or the like.



CAUTION

- Use one **CR2025 (3 V)** lithium battery.
- Remove the battery if the remote control is not used for a month or longer.
- There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type.
- Do not handle the battery with metallic tools.
- Do not store the battery with metallic objects.
- If the battery leaks, wipe the remote control completely clean and install a new battery.
- When disposing of used batteries, comply with governmental regulations or environmental public institutions' rules that apply in your country/area.

Operating this unit



Important

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

Menu operations identical for function settings/audio adjustments/initial settings/lists

Returning to the previous display
Returning to the previous list/category (the folder/category one level higher)

1 Press **DISP/SCRL**.

Returning to the main menu
Returning to the top tier of list/category

1 Press and hold **DISP/SCRL**.

Returning to the ordinary display
Canceling the initial setting menu
Returning to the ordinary display from the list/category

1 Press **BAND/ESC**.



Tuner



Important

If you are using this unit in North, Central or South America, reset the AM tuning step (refer to **AM step** (AM tuning step) on page 14).

Basic Operations

Selecting a band

1 Press **BAND/ESC** until the desired band (**FM1**, **FM2**, **FM3** for FM or **AM**) is displayed.

Manual tuning (step by step)

1 Push **M.C.** left or right.

Seeking

1 Push and hold **M.C.** left or right, and then release.

You can cancel seek tuning by pushing **M.C.** left or right.

While pushing and holding **M.C.** left or right, you can skip stations. Seek tuning starts as soon as you release **M.C.**

Storing and recalling stations

You can easily store up to six stations for each band as presets.

Using preset tuning buttons

1 When you find a station that you want to store in memory, press one of the preset tuning buttons (1 to 6) and hold until the preset number stops flashing.

2 Press one of the preset tuning buttons (1 to 6) to select the desired station.

Using preset screen

1 Press **Q to switch to the preset screen.**

2 Use **M.C. to store the selected frequency in memory.**

Turn to change the preset number. Press and hold to store.

3 Use **M.C. to select the desired station.**

Turn to change the station. Press to select.



Note

You can also recall stored radio stations by pushing **M.C.** up or down during the frequency display.

Function settings

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

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

3 Turn **M.C.** to select the function.

After selecting, perform the following procedures to set the function.

BSM (best stations memory)

BSM (best stations memory) automatically stores the six strongest stations in the order of their signal strength.

- 1 Press **M.C.** to turn BSM on.
To cancel, press **M.C.** again.

Local (local seek tuning)

Local seek tuning lets you tune in only those radio stations with sufficiently strong signals for good reception.

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select the desired setting.
FM: **OFF—Level1—Level2—Level3—Level4**
AM: **OFF—Level1—Level2**

Larger setting number is higher level. The highest level setting allows reception of only the strongest stations, while lower settings let you receive progressively weaker stations.

- 3 Press **M.C.** to confirm the selection.



Note

Operation is complete even if the menu is cancelled before being confirmed. ■

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

Basic Operations

Playing a CD/CD-R/CD-RW

- 1 Insert the disc, label side up, into the disc loading slot.
- 1 If a disc has already been inserted, press **SRC/OFF** to select the built-in CD player.

Ejecting a CD/CD-R/CD-RW

- 1 Press **▲** (eject).

Playing songs on a USB storage device

- 1 Open the USB connector cover.
- 2 Plug in the USB storage device using a USB cable.

Stop playing a USB storage device

- 1 You may disconnect the USB storage device at anytime.

Playing songs on an SD memory card

- 1 Remove the front panel.
- 2 Insert an SD memory card into the SD card slot. Insert it with the contact surface facing down and press the card until it clicks and completely locks.
- 3 Re-attach the front panel.
- 4 Press **SRC/OFF** to select **SD** as the source. Playback will start.

Stop playing an SD memory card

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

Selecting a folder

- 1 Push **M.C.** up or down.

Selecting a track

- 1 Push **M.C.** left or right.

Fast forwarding or reversing

- 1 Push and hold **M.C.** left or right.

Returning to root folder

- 1 Press and hold **BAND/ESC**.

Switching between compressed audio and CD-DA

- 1 Press **BAND/ESC**.



Notes

- When playing compressed audio, there is no sound during fast forward or reverse.
- USB portable audio players that can be charged via USB will be recharged when plugged in and the ignition switch is set to ACC or ON.
- Disconnect USB storage device from unit when not in use.

Operating this unit

- If plug and play is on and a USB storage device is present, depending on the type of device, the source may switch to **USB** automatically when you turn on the engine. Please change plug and play setting as necessary. Refer to **USB PnP (plug and play)** on page 14.

Displaying text information

Selecting the desired text information

- Press **DISP/SCRL**.

CD TEXT discs: Track number and play time—disc title—disc artist name—track title—track artist name

WMA/MP3/AAC: Play time—folder name—file name—track title—artist name—album title—genre—comment—bit rate—folder and track numbers

WAV: Play time—folder name—file name—track title—artist name—album title—genre—comment—sampling frequency—folder and track numbers

Scrolling the text information to the left

- Press and hold **DISP/SCRL**.

Notes

- Incompatible text stored with the audio file may not be displayed or may be displayed incorrectly.
- Depending on the version of iTunes used to write MP3/AAC files onto a disc, comment information may be incorrectly displayed.
- When Windows Media Player 11 is used to encode the WAV files, text information can be displayed.
- When playing back VBR (variable bit rate)-recorded WMA files, the average bit rate value is displayed.
- When playing back VBR (variable bit rate)-recorded MP3 files, **VBR** is displayed instead of bit rate value.
- When playing back VBR (variable bit rate)-recorded AAC files, the average bit rate value is displayed. However, depending on the software used to decode AAC files, **VBR** may be displayed.

Selecting and playing files/tracks from the name list

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

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

Changing file or folder name

- Turn **M.C.**

Playing

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

Seeing a list of files (or folders) in the selected folder

- When a folder is selected, press **M.C.**

Playing a song in the selected folder

- When a folder is selected, press and hold **M.C.**

Note

Track title list will display the list of track titles on a CD TEXT disc.

Advanced operations using special buttons

Selecting a repeat play range

- Press **3/↺** to cycle between the following:

CD/CD-R/CD-RW

- Disc** – Repeat all tracks
- Track** – Repeat the current track
- Folder** – Repeat the current folder

External storage device (USB, SD)

- All** – Repeat all files
- Track** – Repeat the current file
- Folder** – Repeat the current folder

Playing tracks in random order

- Press **2/⌘** to turn random play on or off. Tracks in a selected repeat range are played in random order.

Pausing playback

- Press **6/PAUSE** to pause or resume.

Enhancing compressed audio and restoring rich sound (sound retriever)

- Press **5.Rtrv** to cycle between:
OFF (off)—**1**—**2**
1 is effective for low compression rates, and **2** is effective for high compression rates.

Function settings

- 1 Press **M.C.** to display the main menu.
- 2 Turn **M.C.** to change the menu option and press to select **FUNCTION**.
- 3 Turn **M.C.** to select the function.

After selecting, perform the following procedures to set the function.

Repeat (repeat play)

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select a repeat play range.
For details, refer to *Selecting a repeat play range* on the previous page.
- 3 Press **M.C.** to confirm the selection.

Random (random play)

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

Pause (pause)

- 1 Press **M.C.** to pause or resume.

S.Rtrv (sound retriever)

Automatically enhances compressed audio and restores rich sound.

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select the desired setting.
For details, refer to *Enhancing compressed audio and restoring rich sound (sound retriever)* on the previous page.
- 3 Press **M.C.** to confirm the selection.



Note

Operation is complete even if the menu is cancelled before being confirmed. 

iPod

Basic Operations

Playing songs on iPod

- 1 Open the USB connector cover.
- 2 Plug in an iPod using an iPod Dock Connector to USB Cable.

Selecting a track (chapter)

- 1 Push **M.C.** left or right.

Fast forwarding or reversing

- 1 Push and hold **M.C.** left or right.



Notes

- The iPod's battery will be charged if the ignition switch is set to ACC or ON, while connected.
- While the iPod is connected to this unit, the iPod cannot be turned on or off unless the control mode is set to **iPod**.
- Disconnect headphones from the iPod before connecting to this unit.
- The iPod will turn off about two minutes after the ignition switch is set to OFF.

Displaying text information

Selecting the desired text information

- 1 Press **➡/DISP/SCRL**.
Play time—song title—artist name—album title
—number of songs

Scrolling the text information to the left

- 1 Press and hold **➡/DISP/SCRL**.



Note

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

Browsing for a song

- 1 Press **Q** to switch to the top menu of the list search.

Operating this unit

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

Changing the name of song or category

1 Turn **M.C.**

Playlists—artists—albums—songs—podcasts—
genres—composers—audiobooks

Playing

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

Seeing a list of songs in the selected category

1 When a category is selected, press **M.C.**

Playing a song in the selected category

1 When a category is selected, press and hold **M.C.**

Searching by alphabet in the list

1 When a list for the selected category is displayed,
press **Q** to switch to alphabet search mode.

2 Turn **M.C.** to select a letter.

3 Press **M.C.** to display the alphabetical list.

If alphabet search is aborted, **NOT FOUND** is displayed.



Note

Depending on the number of files in the iPod,
there may be a delay when displaying a list.

Advanced operations using special buttons

Selecting a repeat play range

1 Press **3/↺** to cycle between the following:

- **One** – Repeat the current song
- **All** – Repeat all songs in the selected list

Playing all songs in a random order (shuffle all)

1 Press **2/⌘** to turn shuffle all on.

Pausing playback

Refer to *Pausing playback* on page 9.

Playing songs related to the currently playing song
You can play songs from the following lists.

- Album list of currently playing artist
- Song list of currently playing album
- Album list of currently playing genre

1 Press and hold **M.C.** to switch to the link play mode.

2 Turn **M.C.** to change the mode; press to select.

- **Artist** – Plays an album of currently playing artist.
- **Album** – Plays a song of currently playing album.
- **Genre** – Plays an album of currently playing genre.

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

The selected song/album may be cancelled if you operate functions other than link search (e.g. fast forward and reverse).

If no related albums/songs are found, **NOT FOUND** is displayed.

Depending on the song selected to play, the end of the currently playing song and the beginning of the selected song/album may be cut off.

Operating this unit's iPod function from your iPod
This function is not compatible with the following iPod models.

- iPod nano 1st generation
- iPod 5th generation

This unit's iPod function allows you to conduct operations from your iPod and listen to it using your car's speakers.

1 Press **1/iPod** to switch the control mode.

- **iPod** – This unit's iPod function can be operated from the connected iPod.
- **Audio** – This unit's iPod function can be operated from this unit.

Enhancing compressed audio and restoring rich sound (sound retriever)

Refer to *Enhancing compressed audio and restoring rich sound (sound retriever)* on page 9.

Function settings

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

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

3 Turn **M.C.** to select the function.

After selecting, perform the following procedures to set the function.

Repeat (repeat play)

- Refer to **Repeat** (repeat play) on page 10. However the repeat range is different from CD/external storage device. Refer to *Selecting a repeat play range* on the previous page.

Shuffle (shuffle)

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select your favorite setting.
 - **Songs** – Play back songs in the selected list in random order.
 - **Albums** – Play back songs from a randomly selected album in order.
 - **OFF** – Cancel random play.
- 3 Press **M.C.** to confirm the selection.

Shuffle all (shuffle all)

- Press **M.C.** to turn shuffle all on. To turn off, set **Shuffle** in the **FUNCTION** menu to off.

Link play (link play)

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to change the mode; press to select. For details about the settings, refer to *Playing songs related to the currently playing song* on the previous page.

CTRL (control mode)

- 1 Press **M.C.** to select your favorite setting. For details about the settings, refer to *Operating this unit's iPod function from your iPod* on the previous page.

Pause (pause)

- Refer to **Pause** (pause) on page 10.

Audiobooks (audiobook speed)

The playback speed of audiobook can be changed.

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select your favorite setting.
 - **Faster** – Playback faster than normal speed
 - **Normal** – Playback in normal speed
 - **Slower** – Playback slower than normal speed
- 3 Press **M.C.** to confirm the selection.

S.Rtrv (sound retriever)

- Refer to **S.Rtrv** (sound retriever) on page 10.

**Notes**

- Operation is complete even if the menu is cancelled before being confirmed.
- Switching the control mode to **iPod** pauses song playback. Operate the iPod to resume playback.
- The following functions are still accessible from the unit even if the control mode is set to **iPod**.
 - Volume
 - Fast forward/reverse
 - Track up/down
 - Pausing
 - Switching the text information
- When the control mode is set to **iPod**, operations are limited as follows:
 - Only **CTRL** (control mode), **Pause** (pause) and **S.Rtrv** (sound retriever) functions are available.
 - Browse function cannot be operated from this unit. ■

Audio Adjustments

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

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

3 Turn M.C. to select the audio function. After selecting, perform the following procedures to set the audio function.

FAD/BAL (fader/balance adjustment)

- 1 Press **M.C.** to display the setting mode.
- 2 Press **M.C.** to cycle between fader and balance.
- 3 Turn **M.C.** to adjust the speaker balance.
 - Adjustment range (front/rear): **F-F15** to **F-R15**
 - Adjustment range (left/right): **B-L15** to **B-R15**
 - **F-0** is the proper setting when only two speakers are used.
 - When the rear output setting and preout setting are **SUBW**, you cannot adjust front/rear speaker balance.

Preset EQ (equalizer recall)

Operating this unit

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select an equalizer curve.
Powerful—Natural—Vocal—Custom1—Custom2—Flat—Super bass
 - When **Flat** is selected no adjustments are made to the sound.
- 3 Press **M.C.** to confirm the selection.

Graphic EQ (equalizer adjustment)

You can adjust the currently selected equalizer curve setting as desired. Adjusted equalizer curve settings are memorized in **Custom1** or **Custom2**.

- A separate **Custom1** curve can be created for each source. If you make adjustments when a curve other than **Custom2** is selected, the equalizer curve settings will be memorized in **Custom1**.
- A **Custom2** curve can be created common to all sources. If you make adjustments when the **Custom2** curve is selected, the **Custom2** curve will be updated.

- 1 Press **M.C.** to display the setting mode.
- 2 Press **M.C.** to cycle between equalizer band and level.
- 3 Press **M.C.** to switch to equalizer band and then turn **M.C.** to select.
100Hz—315Hz—1.25kHz—3.15kHz—8kHz
- 4 Press **M.C.** to switch to level and then turn **M.C.** to adjust.
Adjustment range: **+6** to **-6**

Loudness (loudness)

Loudness compensates for deficiencies in the low- and high-frequency ranges at low volume.

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select the desired setting.
OFF (off)—**Low** (low)—**Mid** (mid)—**High** (high)
- 3 Press **M.C.** to confirm the selection.

SW setting 1 (subwoofer on/off setting)

This unit is equipped with a subwoofer output which can be turned on or off.

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select the desired setting.
Normal (normal phase)—**Reverse** (reverse phase)—**OFF** (subwoofer off)
- 3 Press **M.C.** to confirm the selection.

SW setting 2 (subwoofer adjustment)

When the subwoofer output is on, you can adjust the cut-off frequency and the output level of the subwoofer.

Only frequencies lower than those in the selected range are outputted from the subwoofer.

- 1 Press **M.C.** to display the setting mode.
- 2 Press **M.C.** to cycle between cut-off frequency and output level of subwoofer.
- 3 Press **M.C.** to switch to cut-off frequency and then turn **M.C.** to select cut-off frequency.
50Hz—63Hz—80Hz—100Hz—125Hz
- 4 Press **M.C.** to switch to output level and then turn **M.C.** to adjust output level.
Adjustment range: **+6** to **-24**

HPF setting (high pass filter adjustment)

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

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select cut-off frequency.
OFF (off)—**50Hz—63Hz—80Hz—100Hz—125Hz**
- 3 Press **M.C.** to confirm the selection.

Bass booster (bass boost)

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to adjust the level.
Adjustment range: **0** to **+6**
- 3 Press **M.C.** to confirm the selection.

SLA (source level adjustment)

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

- When selecting FM as the source, you cannot switch to **SLA**.
- Settings are based on the FM volume level, which remains unchanged.
Before adjusting source levels, compare the FM volume level with the level of the source you wish to adjust.
- The AM volume level can also be adjusted with source level adjustments.

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to adjust the source volume.
Adjustment range: **+4** to **-4**
- 3 Press **M.C.** to confirm the selection.



Note

Operation is complete even if the menu is cancelled before being confirmed. ■

Initial Settings

- 1 Press **SRC/OFF** and hold until the unit turns off.
- 2 Press **M.C.** and hold until the initial setting menu appears in the display.
- 3 Turn **M.C.** to select the initial setting. After selecting, perform the following procedures to set the initial setting.

Clock set (setting the clock)

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

Clock (clock on/off setting)

- 1 Press **M.C.** to turn the clock display on or off.

FM step (FM tuning step)

The FM tuning step employed by seek tuning can be switched between 100 kHz, the preset step, and 50 kHz.

- If seek tuning is performed in 50 kHz steps, stations may be tuned in imprecisely. Tune in the stations with manual tuning or use seek tuning again.
- The tuning step remains at 50 kHz during manual tuning.

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

AM step (AM tuning step)

The AM tuning step can be switched between 9 kHz, the preset step, and 10 kHz. When using the tuner in North, Central or South America, reset the tuning step from 9 kHz (531 kHz to 1 602 kHz allowable) to 10 kHz (530 kHz to 1 640 kHz allowable).

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to select the AM tuning step.
9kHz (9 kHz)—**10kHz** (10 kHz)
- 3 Press **M.C.** to confirm the selection.

AUX (auxiliary input)

Activate this setting when using auxiliary device connected to this unit.

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

USB PnP (plug and play)

This setting allows you to switch your source to **USB/USB-iPod** automatically.

- 1 Press **M.C.** to turn the plug and play on or off.
ON – When USB storage device/iPod is connected, the source is automatically switched to **USB/USB-iPod**. If you disconnect your USB storage device/iPod, this unit's source is turned off.
OFF – When USB storage device/iPod is connected, the source is not switched to **USB/USB-iPod** automatically. Please change the source to **USB/USB-iPod** manually.

Brightness (display brightness setting)

- 1 Press **M.C.** to display the setting mode.
- 2 Turn **M.C.** to switch the brightness setting.
High (high)—**Low** (low)
- 3 Press **M.C.** to confirm the selection.

SW control (rear output and subwoofer setting)

The rear speaker leads output (**Rear SP**) and RCA output (**Preout**) of this unit can be used for full-range speaker (**Rear SP:Full/Preout:Rear**) or subwoofer (**Rear SP:SUBW/Preout:SUBW**) connection. If you switch to **Rear SP:SUBW**, you can connect a rear speaker lead directly to a subwoofer without using an auxiliary amp.

Initially, **Rear SP** is set for rear full-range speaker connection (**Full**). When **Rear SP:Full** is selected, you can connect the RCA output to a subwoofer. In this case, you can select whether to use the subwoofer controller's (low pass filter, phase) built-in **Preout:SUBW** or the auxiliary **Preout:Rear**.

- 1 Press **M.C.** to display the setting mode.
- 2 Press **M.C.** to cycle between as following:
Rear SP/Preout—Full (SUBW)/SUBW(Rear)
- 3 Turn **M.C.** to change the setting.

Rear SP: Full—SUBW

Preout: SUBW—Rear

- Even if you change this setting, there is no output unless you turn the subwoofer output on (refer to **SW setting 1 (subwoofer on/off setting)** on the previous page).
- If you change this setting, subwoofer output in the audio menu will return to the factory settings.

DEMO (demo display setting)

- 1 Press **M.C.** to turn the demo display on or off.

Operating this unit

Ever SCRL (scroll mode setting)

When Ever Scroll is set to ON, recorded text information scrolls continuously in the display. Set to OFF if you prefer the information to scroll just once.

- 1 Press **M.C.** to turn the ever scroll on or off.



Other Functions

Using the AUX source

- 1 Insert the stereo mini plug into the AUX input jack.
- 2 Press **SRC/OFF** to select AUX as the source.



Note

AUX cannot be selected unless the auxiliary setting is turned on. For more details, refer to **AUX** (*auxiliary input*) on the previous page.

Turning the clock display on or off


- Press **CLK/DISP OFF** to turn the clock display on or off.



Note

The clock display disappears temporarily when you perform other operations, but the clock display appears again after 25 seconds.

Switching the display indication and button illumination

- Press and hold **CLK/DISP OFF** to switch the display indication and button illumination on or off.
 - Even if the display indication is turned off, operation can be conducted. If operation is conducted while the display indication is off, display will light up for a few seconds and then turn off again. 

Additional Information

Troubleshooting

Symptom	Cause	Action (See)
The display automatically returns to the ordinary display.	You did not perform any operation within about 30 seconds.	Perform operation again.
The repeat play range changes unexpectedly.	Depending on the repeat play range, the selected range may change when selecting another folder or track, or when fast forwarding/reversing.	Select the repeat play range again.
A subfolder is not played back.	Subfolders cannot be played when Folder (folder repeat) is selected.	Select another repeat play range.
NO XXXX appears when a display is changed (e.g., NO TITLE).	No text information embedded	Switch the display or play another track/file.
The display is illuminated when the unit is turned off.	Demo mode is on.	Press ⏮/DISP/SCRL to cancel demo mode.
The unit is malfunctioning. There is interference.	You are using a device, such as a cell phone, that transmits electromagnetic waves near the unit.	Move electrical devices that may be causing the interference away from the unit.



Error messages

When you contact your dealer or your nearest Pioneer Service Center, be sure to note the error message.

Built-in CD Player

Message	Cause	Action
ERROR-11, 12, 17, 30	Dirty disc Scratched disc	Clean disc. Replace disc.
ERROR-10, 11, 12, 15, 17, 30, A0	Electrical or mechanical	Turn the ignition switch OFF and back ON, or switch to a different source, then back to the CD player.
ERROR-15	The inserted disc is blank	Replace disc.
ERROR-22, 23	Unsupported CD format	Replace disc.
Format read	There is sometimes 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 disc.
SKIPPED	The inserted disc contains DRM protected WMA files	Replace disc.
PROTECT	All the files on the inserted disc are embedded with DRM	Replace disc.

External storage device (USB, SD)

Message	Cause	Action
NO DEVICE	When plug and play is off, no USB storage device is connected.	<ul style="list-style-type: none"> • Turn the plug and play on. • Connect a compatible USB storage device.
Format read	There is sometimes a delay between the start of playback and when you start to hear any sound	Wait until the message disappears and you hear sound.

Additional Information

NO AUDIO	No songs	Transfer the audio files to the external storage device and connect.
	The connected USB storage device has security enabled	Follow the USB storage device instructions to disable the security.
SKIPPED	The external storage device in use contains WMA files embedded with Windows Media™ DRM 9/10	Play an audio file not embedded with Windows Media DRM 9/10.
PROTECT	All the files in the external storage device are embedded with Windows Media DRM 9/10	Transfer audio files not embedded with Windows Media DRM 9/10 to the external storage device and connect.
N/A USB	The USB storage device connected to is not supported by this unit.	Connect a USB Mass Storage Class compliant device.
	Not compatible USB device	Disconnect your device and replace it with a compatible USB storage device.
CHECK USB	The USB connector or USB cable has short-circuited.	Check that the USB connector or USB cable is not caught in something or damaged.
	The connected USB storage device consumes more than 500 mA (maximum allowable current).	Disconnect the USB storage device and do not use it. Turn the ignition switch to OFF, then to ACC or ON and then connect only compliant USB storage devices.
N/A SD	Not compatible SD storage device	Remove your device and replace it with a compatible SD storage device.

ERROR-19	Communication failure	Perform one of the following operations. –Turn the ignition switch OFF and back ON. –Disconnect or eject the external storage device. –Change to a different source. Then, return to the USB or SD source.
ERROR-23	USB storage device is not formatted with FAT12, FAT16 or FAT32	USB storage device should be formatted with FAT12, FAT16 or FAT32.

iPod

Message	Cause	Action
NO DEVICE	When plug and play is off, no USB storage device or iPod is connected.	<ul style="list-style-type: none"> • Turn the plug and play on. • Connect a compatible iPod.
Format read	There is sometimes a delay between the start of playback and when you start to hear any sound	Wait until the message disappears and you hear sound.
ERROR-19	Communication failure	Disconnect the cable from iPod. Once iPod's main menu is displayed, reconnect cable. Reset the iPod.
	iPod failure	Disconnect the cable from iPod. Once iPod's main menu is displayed, reconnect cable. Reset the iPod.
ERROR-16	Old iPod firmware versions	Update the iPod version.
	iPod failure	Disconnect the cable from iPod. Once iPod's main menu is displayed, reconnect cable. Reset the iPod.

Additional Information

N/A USB	Not compatible iPod	Disconnect your device and replace it with a compatible iPod.
CHECK USB	iPod operates correctly but does not charge	Check if the connection cable for iPod shorted out (e.g., not caught in metal objects). After checking, turn the ignition switch OFF and back ON or disconnect the iPod and reconnect.
STOP	No songs on the iPod	Transfer songs to iPod.
	No songs in the current list	Select a list that contains songs.



Handling guideline

Discs and player

Use only discs featuring either of following two logos.



Use 12-cm disc. Do not use 8-cm disc or an adapter for 8-cm disc.

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



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

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

Unfinalized CD-R/CD-RW disc playback is not possible.

Do not touch the recorded surface of the discs.

Store discs in their cases when not in use.

Avoid leaving discs in excessively hot environments including under direct sunlight.

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

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

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

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

Road shocks may interrupt disc playback.

Read the precautions for discs before using them.

External storage device (USB, SD)

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

Do not leave the external storage device (USB, SD) in any place with high temperatures.

Depending on the external storage device (USB, SD), the following problems may occur.

- Operations may vary.
- This unit may not recognize the storage device.
- The file may not be played back properly.

USB storage device

Connections via a USB hub are not supported.

Do not connect anything other than a USB storage device.

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

Depending on the USB storage device, the following problems may occur.

- The device may generate noise in the radio.

Additional Information

SD memory card

This unit supports only the following SD memory cards.

- SD
- miniSD
- microSD
- SDHC

Keep the SD memory card out of the reach of children. Should the SD memory card be swallowed, consult a doctor immediately.

Do not touch the connectors of the SD memory card directly with your fingers or with any metal device.

Do not insert anything other than an SD memory card into the SD card slot. If a metal object (e.g. a coin) is inserted into the slot, the internal circuits may break and cause malfunctions.

When inserting a miniSD or microSD, use an adapter. Do not use an adapter which has metal parts other than the connectors exposed.

Do not insert a damaged SD memory card (e.g. warped, label peeled off) as it may not be ejected from the slot.

Do not try to force an SD memory card into the SD card slot as the SD memory card or this unit may be damaged.

When you eject an SD memory card, press it and hold until it clicks. It is dangerous to press the SD memory card and release your finger immediately as the SD card may shoot out of the slot and hit you in the face, etc. If the SD memory card shoots out of the slot, it may go missing.

iPod

Do not leave the iPod in direct sunlight for extended amounts of time. Extended exposure to direct sunlight can result in iPod malfunction due to the resulting high temperature.

Do not leave the iPod in any place with high temperatures.

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

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

For details, refer to the iPod's manuals.

About iPod settings

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

DualDiscs

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

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

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



Compressed audio compatibility (disc, USB, SD)

WMA

File extension: .wma

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

Sampling frequency: 32 kHz, 44.1 kHz, 48 kHz

Windows Media Audio Professional, Lossless, Voice/DRM Stream/Stream with video: No

MP3

File extension: .mp3

Bit rate: 8 kbps to 320 kbps

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

Additional Information

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: No

MP3i (MP3 interactive), mp3 PRO: No

WAV

File extension: .wav

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

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

AAC

Compatible format: AAC encoded by iTunes

File extension: .m4a

Sampling frequency: 11.025 kHz to 48 kHz

Transmission rate: 16 kbps to 320 kbps, VBR

Apple Lossless: No

AAC file bought on the iTunes Store (.m4p file extension): No

Supplemental information

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

This unit may not operate correctly depending on the application used to encode WMA files.

There may be a slight delay when starting playback of audio files embedded with image data.

Disc

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

Playable folders: up to 99

Playable files: up to 999

File system: ISO 9660 Level 1 and 2, Romeo, Joliet

Multi-session playback: Yes

Packet write data transfer: No

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

External storage device (USB, SD)

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

Playable folders: up to 1 500

Playable files: up to 15 000

Playback of copyright protected files: No

Partitioned external storage device (USB, SD): Only the first playable partition can be played.

There may be a slight delay when starting playback of audio files on an external storage device (USB, SD) with numerous folder hierarchies.

SD memory card

There is no compatibility for Multi Media Cards (MMC).

Compatibility with all SD memory cards is not guaranteed.

This unit is not compatible with SD-Audio.



CAUTION

Pioneer accepts no responsibility for data lost on the USB memory/USB portable audio player/SD memory card/SDHC memory card even if that data is lost while using this unit. ■

iPod compatibility

This unit supports only the following iPod models. Supported iPod software versions are shown below. Older versions may not be supported.

- iPod nano 4th generation (software version 1.0.3)
- iPod nano 3rd generation (software version 1.1.3)
- iPod nano 2nd generation (software version 1.1.3)
- iPod nano 1st generation (software version 1.3.1)
- iPod touch 2nd generation (software version 3.0)
- iPod touch 1st generation (software version 3.0)
- iPod classic 120GB (software version 2.0.1)
- iPod classic (software version 1.1.2)
- iPod 5th generation (software version 1.3)
- iPhone 3GS (software version 3.0)
- iPhone 3G (software version 3.0)

Depending on the generation or version of the iPod, some functions can not be operated.

Additional Information

Operations may vary depending on the software version of iPod.

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

Pioneer CD-IU50 interface cable is also available. For details, consult your dealer.

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

Audio Book, Podcast: Yes

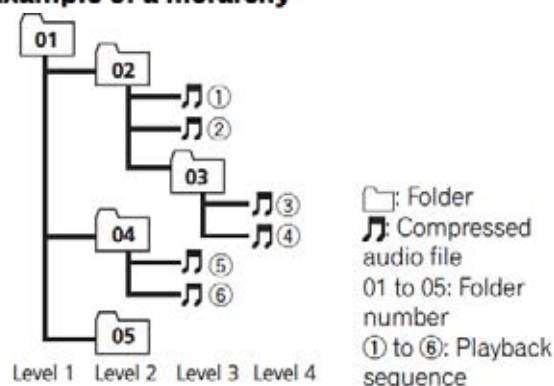
CAUTION

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

Sequence of audio files

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

Example of a hierarchy



Disc

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

External storage device (USB, SD)

Playback sequence is the same as recorded sequence in the external storage device (USB, SD).

To specify the playback sequence, the following method is recommended.

- 1 Create the file name including numbers that specify the playback sequence (e.g., 001xxx.mp3 and 099yyy.mp3).
- 2 Put those files into a folder.
- 3 Save the folder containing files on the external storage device (USB, SD).

However, depending on the system environment, you cannot specify the playback sequence.

For USB portable audio players, the sequence is different and depends on the player. ■

Copyright and trademark

iTunes

Apple and iTunes are trademarks of Apple Inc., registered in the U.S. and other countries.

MP3

Supply of this product only conveys a license for private, non-commercial use and does not convey a license nor imply any right to use this product in any commercial (i.e. revenue-generating) real time broadcasting (terrestrial, satellite, cable and/or any other media), broadcasting/streaming via internet, intranets and/or other networks or in other electronic content distribution systems, such as pay-audio or audio-on-demand applications. An independent license for such use is required. For details, please visit <http://www.mp3licensing.com>.

WMA



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Additional Information

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SD memory card



SD Logo is a trademark.



miniSD Logo is a trademark.



microSD Logo is a trademark.



SDHC Logo is a trademark.

iPod



iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

"Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the

developer to meet Apple performance standards.

Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

iPhone



iPhone is a trademark of Apple Inc.

"Works with iPhone" means that an electronic accessory has been designed to connect specifically to iPhone and has been certified by the developer to meet Apple performance standards.

Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. ■

Specifications

General

Rated power source	14.4 V DC
	(allowable voltage range: 12.0 V to 14.4 V DC)
Grounding system	Negative type
Maximum current consumption	10.0 A
Dimensions (W × H × D):	
DIN	
Chassis	178 mm × 50 mm × 162 mm
Nose	188 mm × 58 mm × 24 mm
D	
Chassis	178 mm × 50 mm × 162 mm
Nose	170 mm × 46 mm × 24 mm
Weight	1.3 kg

Audio

Maximum power output	50 W × 4
	50 W × 2/4 Ω + 70 W × 1/2 Ω (for subwoofer)

Additional Information

Continuous power output	22 W × 4 (50 Hz to 15 000 Hz, 5 % THD, 4 Ω load, both channels driven)
Load impedance	4 Ω to 8 Ω × 4 4 Ω to 8 Ω × 2 + 2 Ω × 1
Preout maximum output level	2.2 V
Equalizer (5-Band Graphic Equalizer):	
Frequency	100/315/1.25k/3.15k/8k Hz
Gain	±12 dB
HPF:	
Frequency	50/63/80/100/125 Hz
Slope	-12 dB/oct
Subwoofer (mono):	
Frequency	50/63/80/100/125 Hz
Slope	-18 dB/oct
Gain	+6 dB to -24 dB
Phase	Normal/Reverse
Bass boost:	
Gain	+12 dB to 0 dB

CD player

System	Compact disc audio system
Usable discs	Compact disc
Signal-to-noise ratio	94 dB (1 kHz) (IEC-A network)
Number of channels	2 (stereo)
MP3 decoding format	MPEG-1 & 2 Audio Layer 3
WMA decoding format	Ver. 7, 7.1, 8, 9, 10, 11 (2ch audio) (Windows Media Player)
AAC decoding format	MPEG-4 AAC (iTunes encoded only) (.m4a) (Ver. 8.2 and earlier)
WAV signal format	Linear PCM & MS ADPCM (Non-compressed)

USB

USB standard specification	USB 2.0 full speed
Maximum current supply	500 mA
USB Class	MSC (Mass Storage Class)
File system	FAT12, FAT16, FAT32
MP3 decoding format	MPEG-1 & 2 Audio Layer 3
WMA decoding format	Ver. 7, 7.1, 8, 9, 10, 11 (2ch audio) (Windows Media Player)
AAC decoding format	MPEG-4 AAC (iTunes encoded only) (.m4a) (Ver. 8.2 and earlier)
WAV signal format	Linear PCM & MS ADPCM (Non-compressed)

SD

Compatible physical format	Version 2.00
Maximum memory capacity	32 GB (for SD and SDHC)
File system	FAT12, FAT16, FAT32
MP3 decoding format	MPEG-1 & 2 Audio Layer 3
WMA decoding format	Ver. 7, 7.1, 8, 9, 10, 11 (2ch audio) (Windows Media Player)
AAC decoding format	MPEG-4 AAC (iTunes encoded only) (.m4a) (Ver. 8.2 and earlier)
WAV signal format	Linear PCM & MS ADPCM (Non-compressed)

FM tuner

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

AM tuner

Frequency range	531 kHz to 1 602 kHz (9 kHz) 530 kHz to 1 640 kHz (10 kHz)
Usable sensitivity	25 μV (S/N: 20 dB)
Signal-to-noise ratio	62 dB (IEC-A network)

Infrared remote control

Wavelength	940 nm ±50 nm
Output	typ; 12 mw/sr per Infrared LED



Note

Specifications and the design are subject to modifications without notice. ■