

marantz®

CD Player **CD6005**

You can print more than one page of a PDF onto a single sheet of paper.

[Front panel](#)[Display](#)[Rear panel](#)[Remote](#)[Index](#)

Owner's Manual

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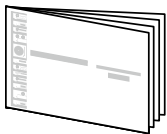


Thank you for purchasing this Marantz product. To ensure proper operation, please read this owner's manual carefully before using the product. After reading them, be sure to keep them for future reference.

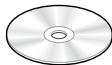
Accessories

Check that the following parts are supplied with the product.

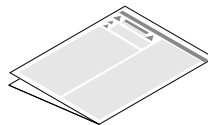
① Getting Started



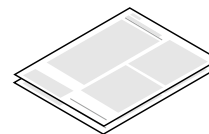
② CD-ROM (Owner's Manual)



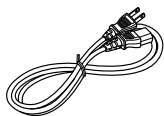
③ Safety Instructions



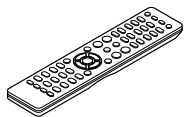
④ Warranty
(for USA)
(for CANADA)



⑤ Power cord



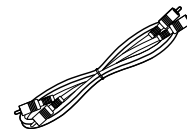
⑥ Remote control unit
(RC001PMCD)



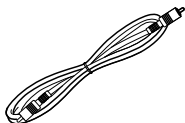
⑦ R03/AAA batteries



⑧ Audio cable

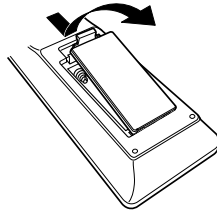


⑨ Remote connector cable

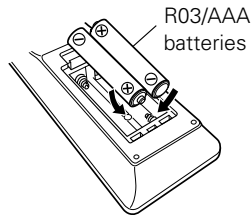


Inserting the batteries

- 1 Remove the rear lid in the direction of the arrow and remove it.



- 2 Load the two batteries properly as indicated by the ⊕ and ⊖ marks in the battery compartment.



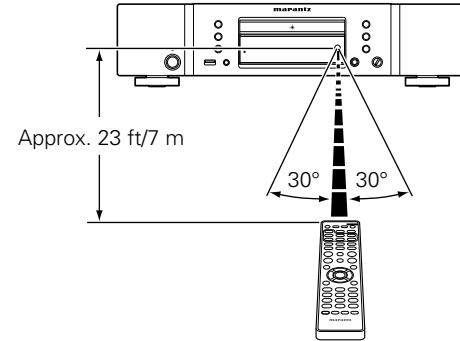
- 3 Put the rear cover back on.

NOTE

- When inserting the batteries, be sure to do so in the proper direction, following the ⊕ and ⊖ marks in the battery compartment.
- To prevent damage or leakage of battery fluid:
 - Do not use a new battery together with an old one.
 - Do not use two different types of batteries.
- Remove the batteries from the remote control unit if it will not be in use for long periods.
- If the battery fluid should leak, carefully wipe the fluid off the inside of the battery compartment and insert new batteries.

Operating range of the remote control unit

Point the remote control unit at the remote sensor when operating it.



Features

High quality sound

- **Using Marantz original HDAM® SA2 circuit**

The unit uses an HDAM® SA2 circuit, whose quality has been proved in Super Audio CD players and high-end amplifiers, as a high-speed buffer amplifier. You can enjoy the high speed and high-quality sound like that produced by high-end equipment.

- **Incorporates a Cirrus Logic advanced D/A converter, CS4398**

A D/A converter is an essential element for the audio quality of a CD player. The CS4398 Cirrus Logic D/A Converter, which has a reputation for high precision and has been adopted for other Marantz Super Audio CD players, is adopted for this unit.

- **Audio EX function (👉 page 26)**

When digital output or the display are set to off, you can enjoy high quality analog output sound.

- **High grade headphone circuit**

The high-grade headphone circuit incorporates a high-speed buffer amplifier to enable headphone listening of high quality sound reproduction, late at night or in other such situations.

High performance

- **Supports MP3, WMA and AAC file playback (👉 page 32)**

MP3, WMA and AAC files that have been recorded onto CD-R or CD-RW discs can be played back on this CD player.

- **Plays USB audio sources (MP3/WMA/AAC/WAV) and iPod**

This unit can play back MP3, WMA, WAV and AAC files by connecting an USB device or iPod to its USB port.

- **Supports CD-TEXT display**

CD-Text is an extension to the existing audio CD standard that enables text information, such as the name of the artist, album title and song titles to be stored on an audio CD. CDs with the following logos support this function.



Text information is recorded on the parts that are not used in the conventional Audio CDs. This CD player enables the text information stored on a CD-Text CD to be read (applies only to English alphanumeric text).

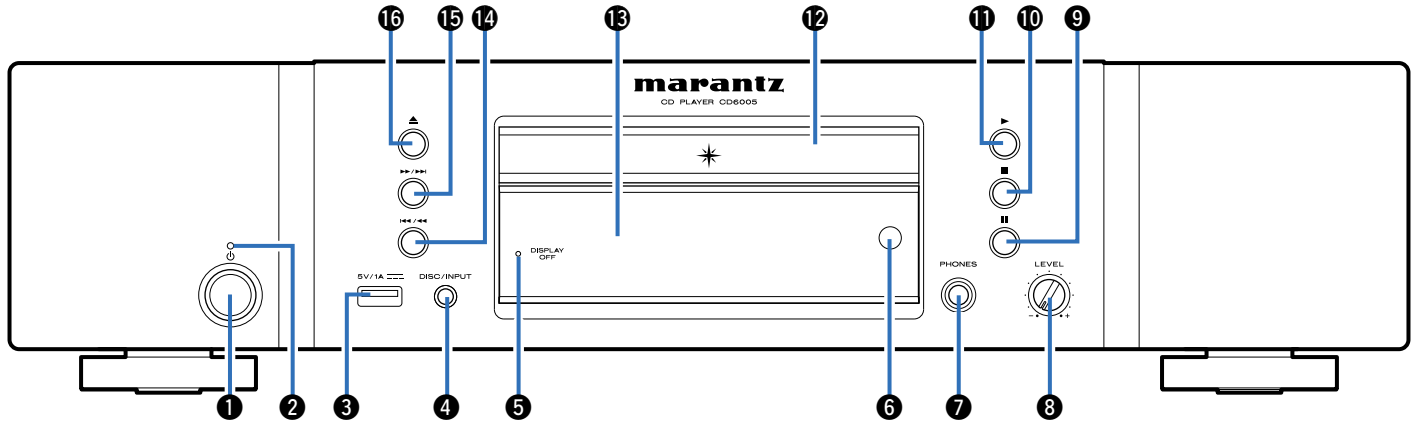
- **Large 16-character / 2-line display**

Text information appears on the large display during MP3 or iPod playback.



Part names and functions

Front panel



❶ Power operation button (⏻)

Used to turn the power on/off (standby) (☞ page 25).

❷ Power indicator

This is lit as follows according to the power status :

- Power on: Off
- Standby: Red
- iPod charge standby : Orange

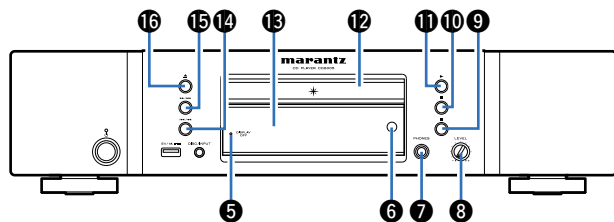
❸ USB port

Used to connect USB storages (such as USB memory devices) and the USB cable supplied with iPod (☞ page 19).

❹ DISC/INPUT button

Used to select the playback source (☞ page 35, 38).



**5 DISPLAY OFF indicator**

Lights when the display is off (☞ page 26).

6 Remote control sensor

This receives signals from the remote control unit (☞ page 5).

7 Headphones jack (PHONES)

Used to connect headphones.

NOTE

- To prevent hearing loss, do not raise the volume level excessively when using headphones.

8 Headphone volume control knob (LEVEL)

Adjusts the headphone volume.

9 Pause button (||)

Pauses playback (☞ page 28, 33, 37, 39).

10 Stop button (■)

Stops playback (☞ page 28, 33, 37, 39).

11 Play button (▶)

Starts playback (☞ page 28, 33, 37, 39).

12 Disc tray

Used to insert a disc (☞ page 27).

13 Display

This displays various pieces of information (☞ page 9).

14 Fast-reverse/Reverse-skip button (|◀◀/◀◀|)

Returns to the start of the currently playing track. Press and hold to fast-reverse the track (☞ page 28, 33, 37, 39).

15 Fast-forward/Forward-skip button (▶▶/▶▶|)

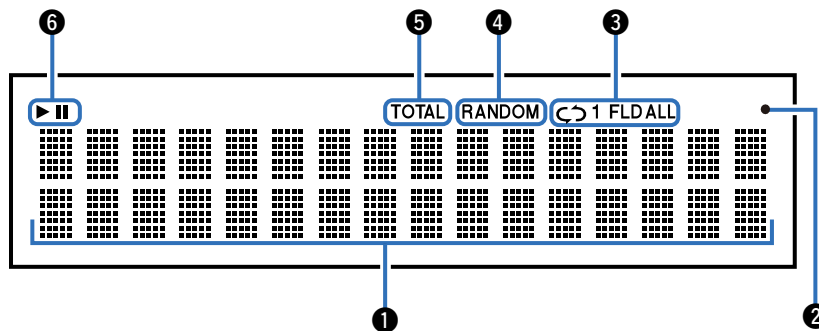
Plays the next track. Press and hold to fast-forward the track (☞ page 28, 33, 37, 39).

16 Disc tray open/close button (▲)

Opens and closes the disc tray (☞ page 27).



Display



❶ Information display

Displays various information or playback elapsed time and so on of the disc.

❷ Remote control signal reception indicator

Lights when a signal is received from the remote control.

❸ Repeat mode indicators

Lights to match the repeat mode settings
([page 28, 33, 37, 39](#)).

❹ RANDOM indicator

Lights during random playback ([page 28, 33, 37, 39](#)).

❺ TOTAL indicator

Lights when the total number of tracks and total time of the CD are displayed.

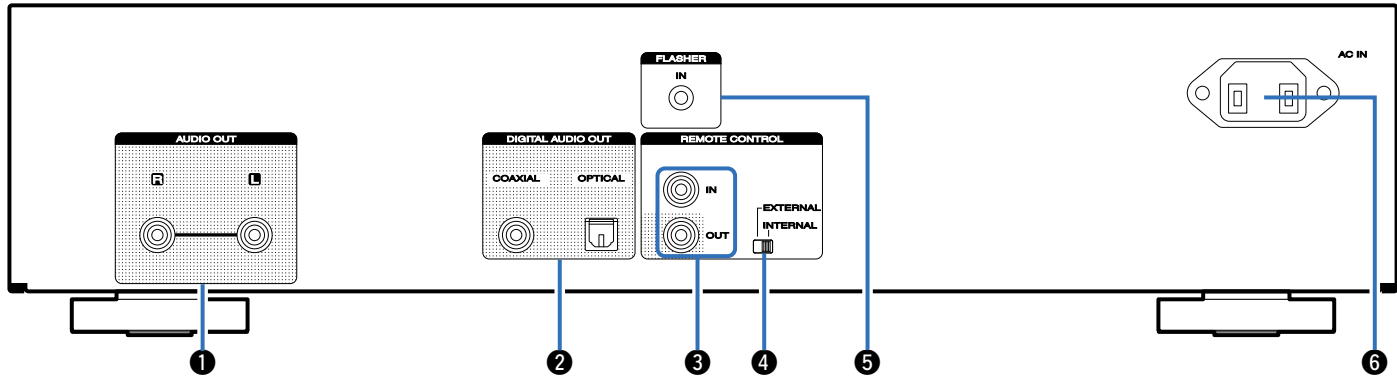
❻ Playback mode indicators

▶ : Lights up during playback.

|| : Lights up during pause.



Rear panel



① AUDIO OUT connectors

Used to connect devices equipped with analog audio inputs connectors or an external power amplifier ([page 17](#)).

② DIGITAL AUDIO OUT connector (COAXIAL/OPTICAL)

Used to connect an AV receiver or D/A converter that has a digital input terminal ([page 18](#)).

③ REMOTE CONTROL IN/OUT connectors

Used to connect to a Marantz amplifier that is compatible with the remote control function ([page 21](#)).

④ EXTERNAL/INTERNAL switch

Turn this switch to “EXTERNAL” to operate the unit by pointing the remote control at the amplifier connected to this unit using the remote control connection ([page 21](#)).

⑤ FLASHER IN jack

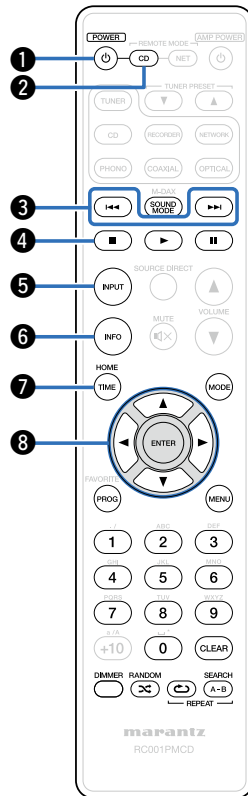
Used when using a control BOX or other such control devices to control this unit.

⑥ AC inlet (AC IN)

Used to connect the power cord ([page 23](#)).



Remote control unit



To operate CD player, press REMOTE MODE CD button to switch the remote control to the CD operation mode.

- REMOTE MODE CD button lights for approximately two seconds.

1 POWER button (⏻)

This turns the power on/off (standby) (☞ page 25, 46).

2 Remote mode select button (REMOTE MODE CD)

This switches the remote control operating mode to CD.

3 Reverse-skip/Forward-skip buttons (⏮, ⏭)

This skips to the start of the track. Press and hold to fast-forward/fast reverse (☞ page 28, 33, 37, 39).

4 Stop button (■)

Stops playback (☞ page 28, 33, 37, 39).

5 INPUT button

Used to select the playback source (☞ page 27, 35, 38).

6 Information button (INFO)

This switches the track information shown in the display during playback (☞ page 31, 34, 40, 43).

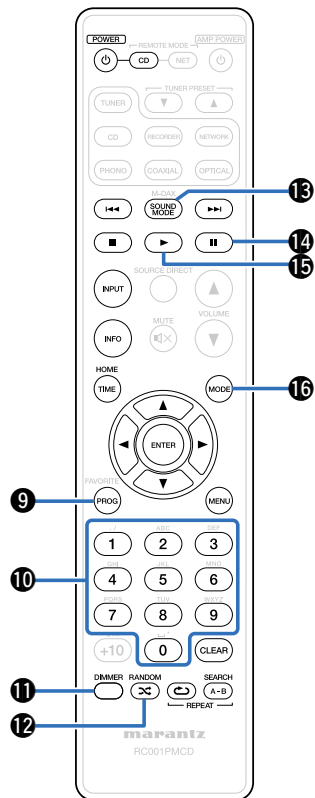
7 TIME button

This switches the playback time display (☞ page 28, 33, 37, 39).

8 Cursor buttons (⬆, ⬇, ⬅, ➡, ⬆)

These select items (☞ page 33, 36, 39, 42).





9 Program button (PROG)

This sets program playback (☞ page 29).

10 Number buttons (0 – 9)

These enter letters or numbers into the unit (☞ page 28, 29, 33).

11 DIMMER button

This switches the brightness of the display (☞ page 26).

12 RANDOM button (∞)

Switches the random playback (☞ page 28, 33, 37, 39).

13 SOUND MODE button

This switches the sound mode (Audio EX mode) (☞ page 26).

14 Pause button (II)

Pauses playback (☞ page 28, 33, 37, 39).

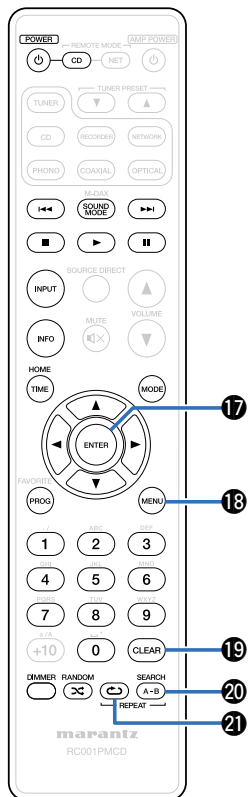
15 Play button (▶)

Starts playback (☞ page 28, 33, 37, 39).

16 MODE button

This switches the playback mode (☞ page 32, 36, 39, 43).



**17 ENTER button**

This determines the selection (☞ page 34, 36, 39, 42).

18 MENU button

This displays the menu (☞ page 42).

19 CLEAR button

This clears the program registration (☞ page 30).

20 REPEAT A-B button

This sets A-B repeat playback (☞ page 29).

21 REPEAT button (↻)

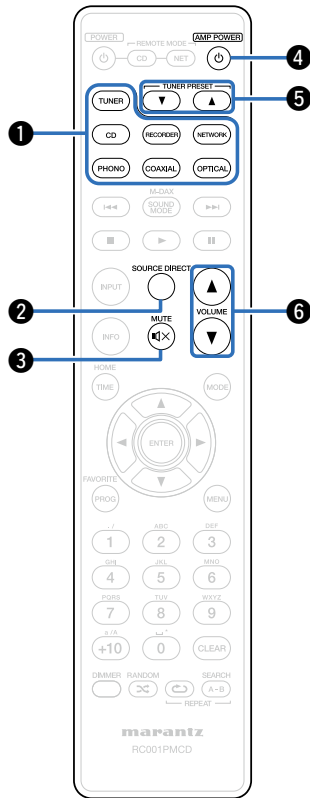
Switches the repeat playback (☞ page 28, 33, 37, 39).



- The amp and tuner can be operated with the amp operation buttons even when the remote control mode is CD.



Amplifier and Tuner operation

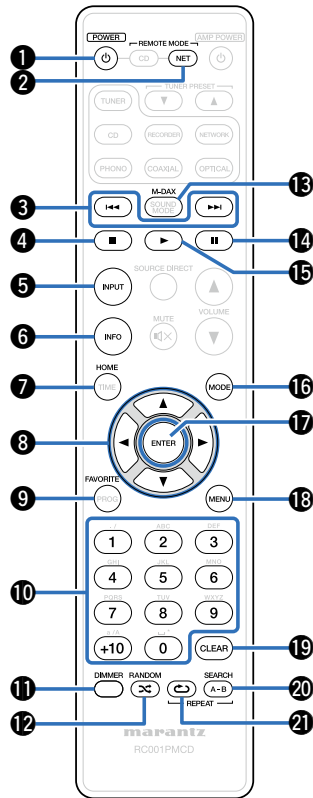


- ① Input source select button
- ② SOURCE DIRECT button
- ③ MUTE button (M/×)
- ④ AMP POWER button (⏻)
- ⑤ TUNER PRESET buttons (▲▼)
- ⑥ VOLUME buttons (▲▼)



Network audio player operation

- To operate network audio player, press REMOTE MODE NET button to switch the remote control to the NETWORK operation mode.
- REMOTE MODE NET button lights for approximately two seconds.



- 1 POWER button (⏻)**
- 2 Remote mode select button (REMOTE MODE NET)**
- 3 Reverse-skip/Forward-skip buttons (⏮, ⏭)**
- 4 Stop button (■)**
- 5 INPUT button**
- 6 Information button (INFO)**
- 7 HOME button**
- 8 Cursor buttons (⬆, ⬇, ⬅, ⬇)**
- 9 FAVORITE button**
- 10 Number buttons (0 – 9, +10)**
- 11 DIMMER button**
- 12 RANDOM button (⚡)**
- 13 M-DAX button**
- 14 Pause button (⏸)**
- 15 Play button (▶)**
- 16 MODE button**
- 17 ENTER button**
- 18 MENU button**
- 19 CLEAR button**
- 20 SEARCH button**
- 21 REPEAT button (↺)**



- The amp and tuner can be operated with the amp operation buttons even when the remote control mode is NET.
- The included remote control unit can be used to operate Marantz network audio players.
- When using it, also refer to the operating instructions of the other devices.



Connections

Connecting to a stereo audio amplifier (👉 page 17)

Connecting to a device with digital audio input connectors (👉 page 18)

Connecting an iPod or USB memory device to the USB port (👉 page 19)

Remote control connection (👉 page 21)

Connecting the timer device (👉 page 22)

Connecting the power cord (👉 page 23)

NOTE

- Do not plug in the power cord until all connections have been completed.
- Do not bundle power cords together with connection cables. Doing so can result in humming or noise.

■ Cables used for connections

Provide necessary cables according to the devices you want to connect.

Audio cable
(supplied)



Remote connector
cable
(supplied)



Optical cable
(sold separately)

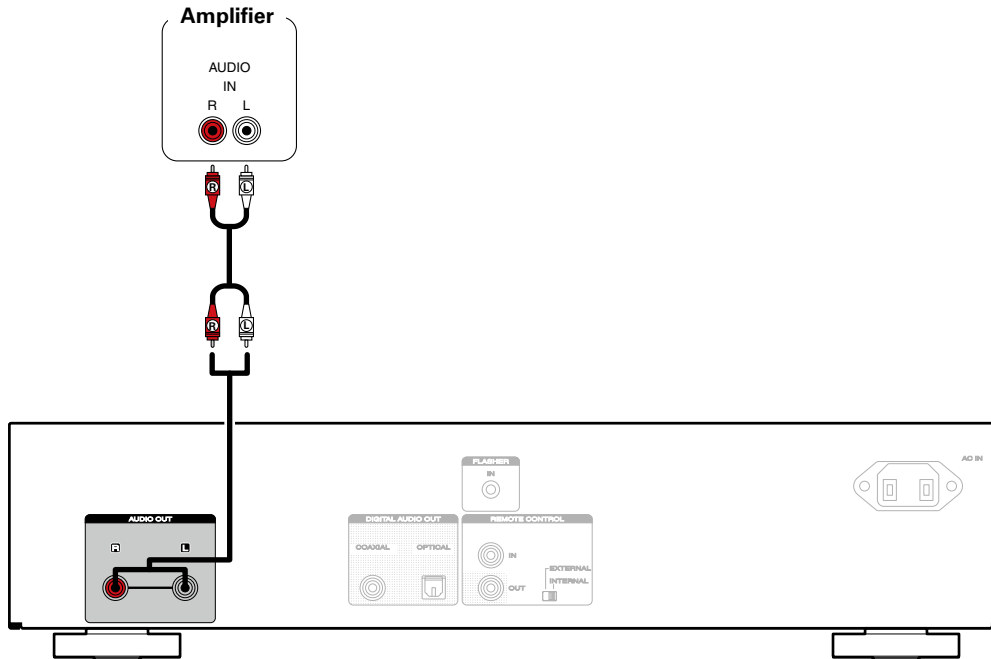


Coaxial digital cable
(sold separately)



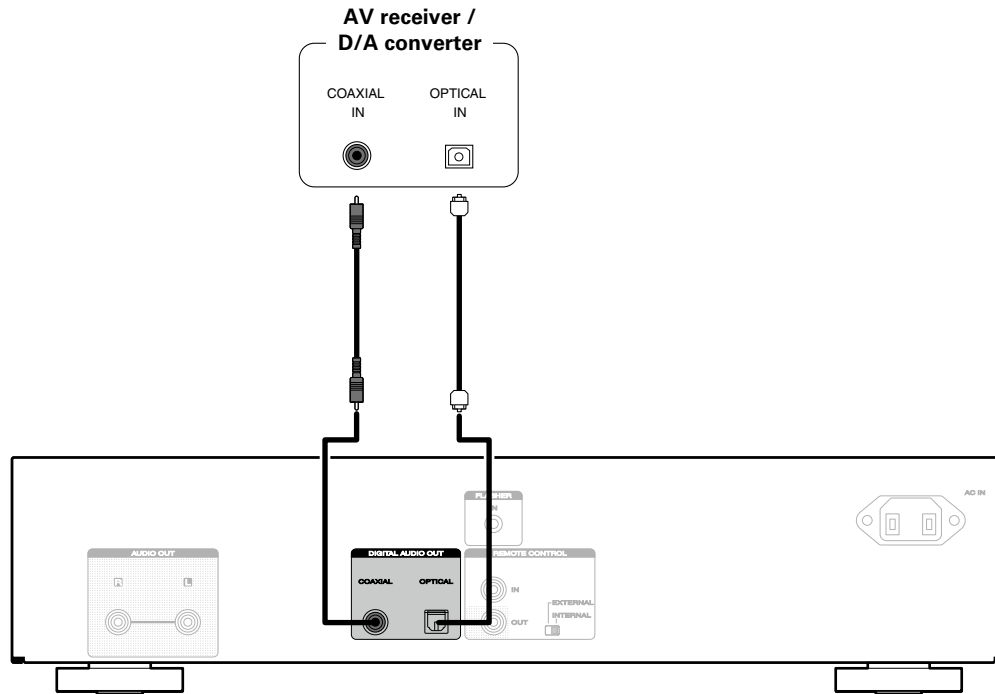
Connecting to a stereo audio amplifier

Use this connection for audio playback via a stereo audio amplifier.



Connecting to a device with digital audio input connectors

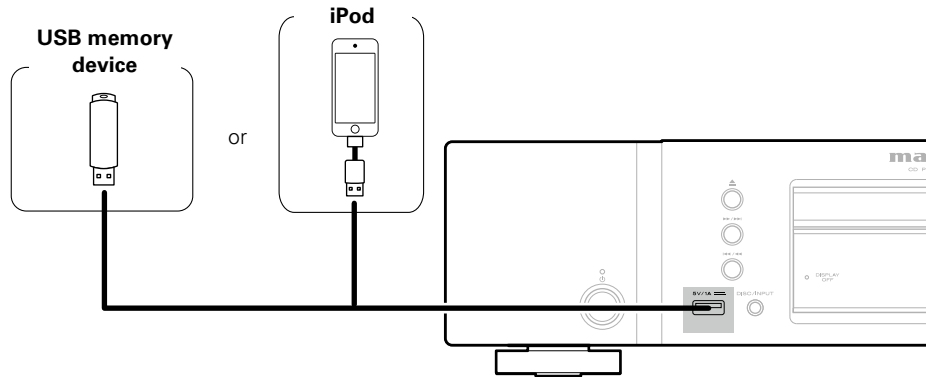
You can enjoy digital audio playback by connecting an AV receiver or D/A converter that has a digital audio terminal to this unit.



Connecting an iPod or USB memory device to the USB port

You can enjoy music stored on an iPod or USB memory device.

- To connect an iPod to this unit, use the USB adapter cable that was supplied with the iPod.
- For operating instructions see "Playing an iPod" (🔗 page 35) or "Playing a USB memory device" (🔗 page 38).



- Marantz does not guarantee that all USB memory devices will operate or receive power. When using a portable USB hard disk drive (HDD) which came with an AC adapter, use that device's supplied AC adapter.

NOTE

- USB memory devices will not work via a USB hub.
- It is not possible to use this unit by connecting the unit's USB port to a PC via a USB cable.
- Do not use an extension cable when connecting a USB memory device. This may cause radio interference with other devices.



■ Supported iPod/iPhone models

• iPod classic



iPod classic
80GB



iPod classic
160GB (2007)



iPod classic
160GB (2009)

• iPod nano



iPod nano
3rd generation
(video)
4GB 8GB



iPod nano
4th generation (video)
8GB 16GB



iPod nano
5th generation (video camera)
8GB 16GB



iPod nano
6th generation
8GB 16GB



iPod nano
7th generation
16GB

• iPod touch



iPod touch
1st generation
8GB 16GB 32GB



iPod touch
2nd generation
8GB 16GB 32GB



iPod touch
3rd generation
32GB 64GB



iPod touch
4th generation
8GB 32GB 64GB



iPod touch
5th generation
32GB 64GB

• iPhone



iPhone
4GB 8GB 16GB



iPhone 3G
8GB 16GB



iPhone 3GS
8GB 16GB 32GB



iPhone 4
8GB 16GB 32GB



iPhone 4S
16GB 32GB 64GB



iPhone 5
16GB 32GB 64GB



Remote control connection

When you use this unit connected to a Marantz amplifier, this unit receives operation signals sent from the amplifier and operates accordingly.

Connection

Use the supplied remote connector cable to connect the REMOTE CONTROL IN connector of this unit to REMOTE CONTROL OUT connector of the amplifier.

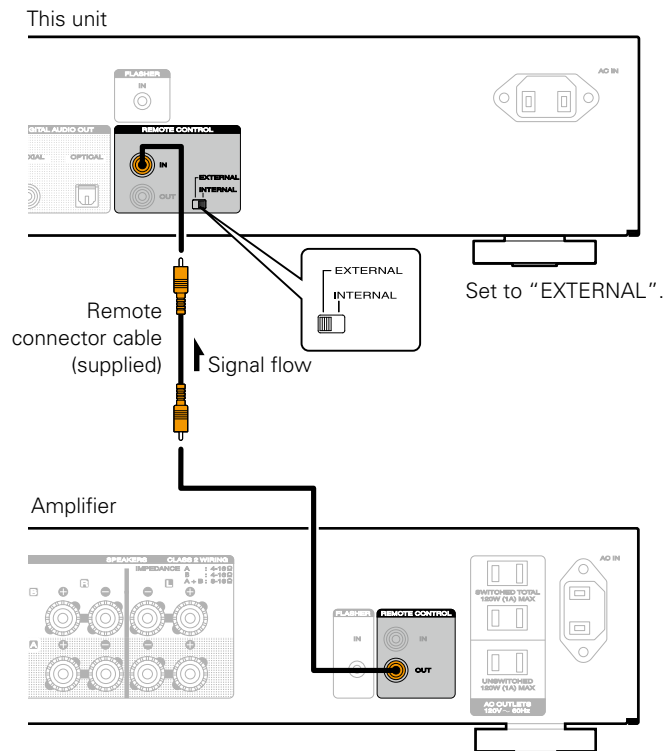
Setting

Turn the EXTERNAL/INTERNAL switch on the unit to "EXTERNAL".

- This setting will disable remote sensor reception of this unit.
- To operate the unit, point the remote control at the remote sensor of the amplifier.

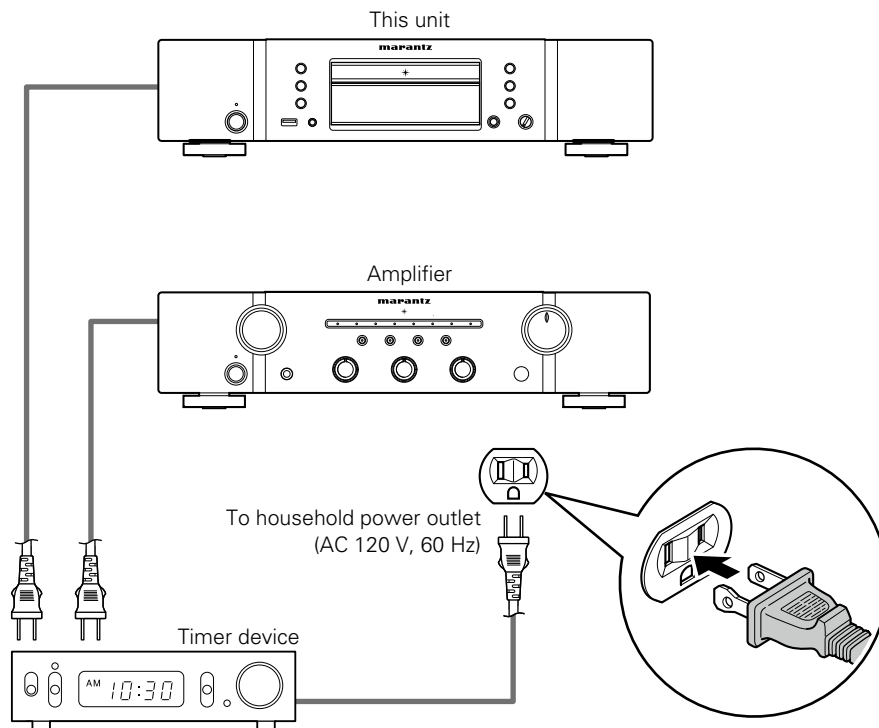


- To use this unit by itself without connecting an amplifier, turn the switch to "INTERNAL".



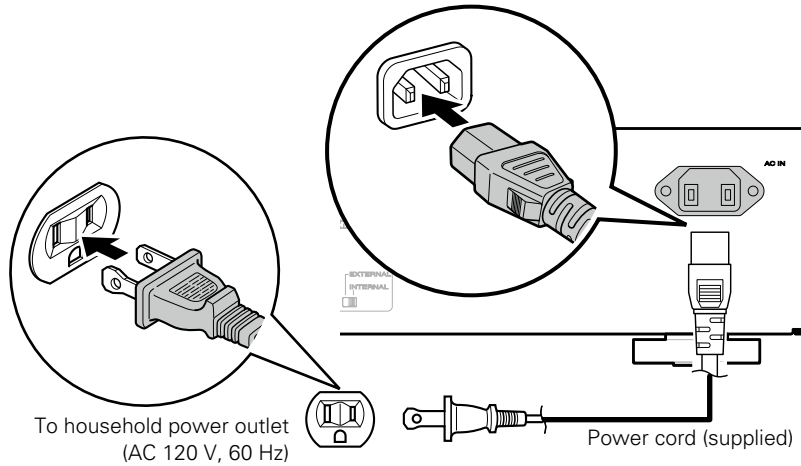
Connecting the timer device

This unit can perform timer play when an amplifier and timer device are connected to this unit (see page 43 “Timer Play”).



Connecting the power cord

After completing all the connections, insert the power plug into the power outlet.



Playback

Basic operation (👉 [page 25](#))

Playing CDs (👉 [page 27](#))

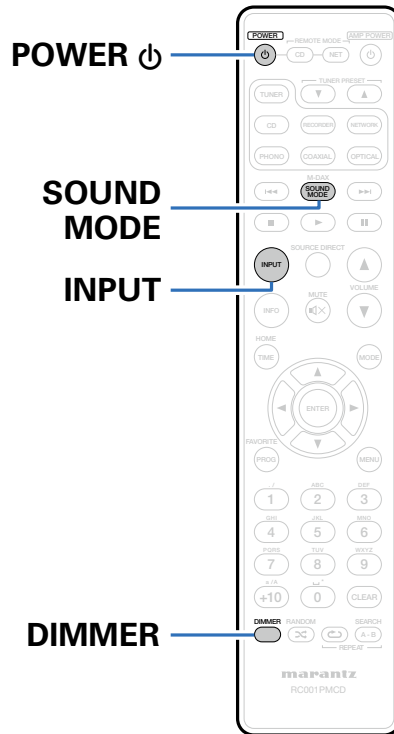
Playing DATA CDs (MP3, WMA and AAC files)
(👉 [page 32](#))

Playing an iPod® (👉 [page 35](#))

Playing a USB memory device (👉 [page 38](#))



Basic operation



Turning the power on

- 1 Press **POWER** to turn on power to the unit.
The power indicator turns off.



- You can also press on the main unit to turn the power on.

■ When power is switched to standby

- 1 Press **POWER** .
- The unit switches to standby mode, and the Power indicator lights red.

Selecting the playback media mode

- 1 Press **INPUT** to select the playback media mode.
Select "Disc" to playback a disc.
Select "USB" to playback an iPod or USB memory.



- You can also select the playback media mode by pressing DISC/INPUT on the unit.



Switching the display's brightness

The brightness of the display can be adjusted to one of four levels.

1 Press DIMMER.

Switching sound mode (Audio EX)

This function turns the unit display and digital output off to playback higher sound quality from the audio signal.

1 In the stop mode, press SOUND MODE.

Audio EX OFF (Default) : Audio EX is not set.

- Digital output : Yes
- Display : Yes

Audio EX 1 : Audio EX 1 offers better sound.

- Digital output : No
- Display : Yes

Audio EX 2 : Audio EX 2 offers best sound from analog outputs.

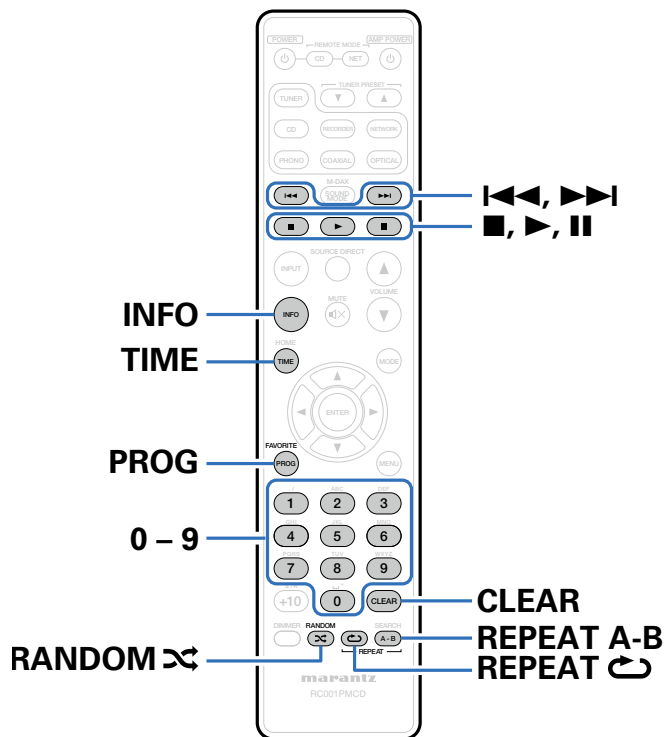
- Digital output : No
- Display : No (during play)



- If DIMMER is pressed when the sound mode is "Audio EX 2", the display is shown for approximately 3 seconds.



Playing CDs











Playing CDs

- 1 Insert a disc (see page 58).**
 - Press **▲** on the unit to open/close the disc tray.
- 2 Press ►.**
 - The ► indicator lights on the display.
 - Playback starts.

NOTE

- Do not place any foreign objects in the disc tray. Doing so could damage it.
- Do not push the disc tray in by hand when the power is turned off. Doing so could damage the set.



Operation buttons	Function
	Playback
	Pause
	Stop
	Skip to previous track / Skip to next track (Press and hold)
	Fast-reverse / Fast-forward
0 – 9	Select the track
RANDOM 	Random playback
REPEAT 	Repeat playback <ul style="list-style-type: none"> • Switching between All-track repeat and Single-track repeat.
REPEAT A-B	A-B repeat playback ( page 29)
TIME	Track elapsed time, Track remaining time and Total remaining time

■ Playing a specific track (Direct searching)

1 Use 0 – 9 to select the tracks.

[Example]

Track 4 : Press number 4 to select track 4.

Track 12 : Press numbers 1 and 2 consecutively to select track 12.



- The number you enter is set about 1.5 seconds after you press the number buttons. To enter a two-digit number, be sure to press the two number buttons, one immediately after the other.



A-B repeat playback

You can specify the section within a track that you want to hear, and play it back repeatedly.

1 During playback, press REPEAT A-B at the point where you want to start playing repeatedly.

"Repeat A-" is displayed on the display.

2 Press REPEAT A-B at the point where you want to stop playing repeatedly.

"Repeat A-B" is displayed on the display, and the specified section (point A to point B) is played back repeatedly.

■ To cancel A-B repeat playback

Press REPEAT A-B.

NOTE

- A-B repeat playback cannot be used during random playback.

Playing tracks in a specific order (Program playback)

Up to 25 tracks can be programmed.

1 In the stop mode, press PROG.

"Program" is displayed on the display.

2 Use 0 – 9 to select the tracks you want to program.

[Example]



To program tracks 3 and 12 to be played in that order, press 3, 1, and 2 one after the other.

- The entered numbers are set approximately 1.5 seconds after the number buttons are pressed. To enter a two-digit number, be sure to press the two number buttons, one immediately after the other.

3 Press ►.

Playback starts in the programmed order.



- You can specify up to 25 tracks each for program playback.
- When RANDOM  is pressed during program playback, the programmed tracks are played in random order.
- When REPEAT  is pressed during program playback, the tracks are played repeatedly in the programmed order.

NOTE

- The program is cleared when the disc tray is opened or the power is turned off.



■ Checking the order of the programmed tracks

In the stop mode, press ►►I.

The track numbers are displayed in the programmed order each time the button is pressed.

■ To clear the last track programmed

In the stop mode, press CLEAR.

The last track programmed is cleared each time the button is pressed.

■ Clearing the all programmed track

In the stop mode, press PROG.

Skipping tracks you don't want to hear (Delete program playback)

A maximum of 25 tracks can be programmed for delete program playback.

1 During stop mode, press PROG, and then press CLEAR.
“Delete Program” is displayed on the display.

2 Use 0 – 9 to select the tracks you want to skip.

[Example]

If you want to skip the 3rd and 12th tracks, press 3, and then press 1 and 2.

3 Press ►.
Playback starts, and the selected tracks are skipped.

■ Checking details of the delete program

In the stop mode, press ►►I.

The skipped tracks are shown in order each time the button is pressed.

■ To clear the last track programmed

In the stop mode, press CLEAR.

The last track set in the delete program is cleared in order each time CLEAR is pressed.

■ Clearing the all programmed track

In the stop mode, press PROG.




Switching the display (CD-TEXT)

- You can view text information stored on a disc as CD-TEXT on this unit. Mainly, information on the current track being played is displayed.
- A maximum of 32 characters can be displayed.

1 During playback, press INFO.

Switching between the title name, artist name and album name.



- You can set which information is displayed first when INFO is pressed. For details on the settings, see “Display Info” ( page 43).

NOTE

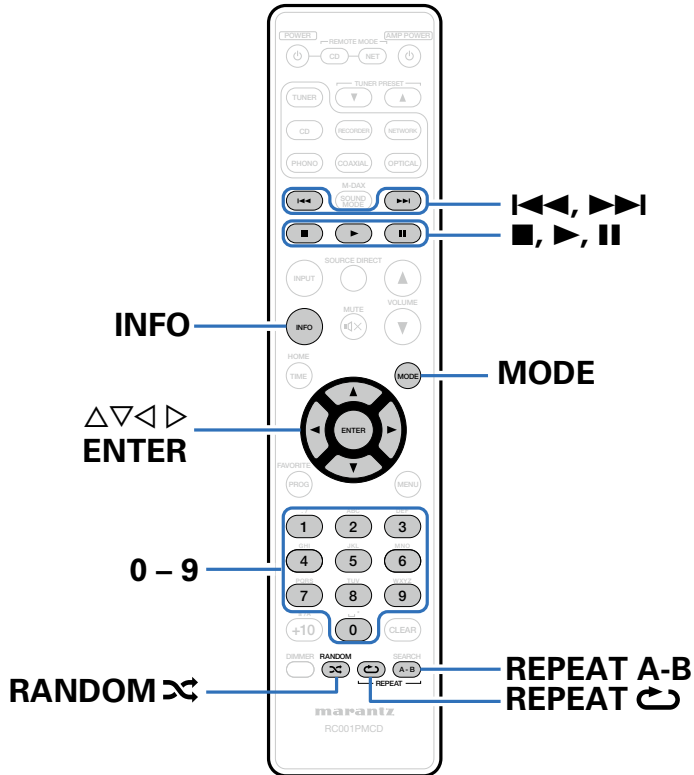
- As the stored information differs depending on the disc, all of the information may not be displayed.



Playing DATA CDs (MP3, WMA and AAC files)

- This section explains how to playback MP3, WMA and AAC files that are recorded onto a CD-R or CD-RW. For details on how to playback files recorded onto media other than CD-R or CD-RW, see the following sections.
- There are many music distribution sites on the Internet allowing you to download music files in MP3, WMA (Windows Media® Audio) or AAC format. The music (files) downloaded from such sites can be stored on CD-R or CD-RW discs and played on this unit.

“Windows Media” and “Windows” are registered trademarks or trademarks in the United States and other countries of Microsoft Corporation of the United States.



Playing files

1 Load a CD-R or CD-RW disc containing music files in the MP3, WMA or AAC formats into the disc tray (🔗 page 58).

- Press ▲ on the unit to open/close the disc tray.

2 Press MODE to select the folder mode or all mode.

□ About the display

• When “Folder mode” is selected

“FLD” indicator lights.

All the files in the selected folder are played.

• When “All mode” is selected

“FLD” indicator turns off.

After the selected folder and files are played, all the files in all the folders are played.

3 Use $\Delta \nabla$ to select the folder to be played.

4 Use $\triangleleft \triangleright$ to select the file to be played.

5 Press ▶.

Playback starts.

Operation buttons	Function
▶	Playback
	Pause
■	Stop
⏮ ⏭	Skip to previous track / Skip to next track (Press and hold) Fast-reverse / Fast-forward
$\Delta \nabla$	Folder select
$\triangleleft \triangleright$	File select
0 – 9	Select the track
MODE	Switch to Folder playback mode <ul style="list-style-type: none"> • Playing back only within the selected folder.
RANDOM ∞	Random playback
REPEAT ↺	Repeat playback <ul style="list-style-type: none"> • Switching between All-track repeat and Single-track repeat.
REPEAT A-B	A-B repeat playback (🔗 page 29)
TIME	Track elapsed time and Track remaining time



- The folder and file numbers are set automatically when the disc is loaded.

NOTE

- Programmed playback is not possible with MP3/WMA/AAC discs.
- Copyright-protected files cannot be played. (The “Not Support” is displayed.)
Note that depending on the software used for burning and other conditions, some files may not play or display correctly.



■ Playable files (Extension) page 54)

■ To switch the folder or file during playback

- **Folder**

Use $\Delta \nabla$ to select the folder, and then press ENTER.

- **File**

Use $\triangleleft \triangleright$ to select the file, and then press ENTER.

Also use **◀◀**, **▶▶** to select the file, or use 0 – 9 to select the file number.

- The file numbers are set automatically when the disc is loaded.

■ Switching the display

During playback, press INFO.

- Switching between the file name, title name, artist name and album name.
- The player can display the following characters:

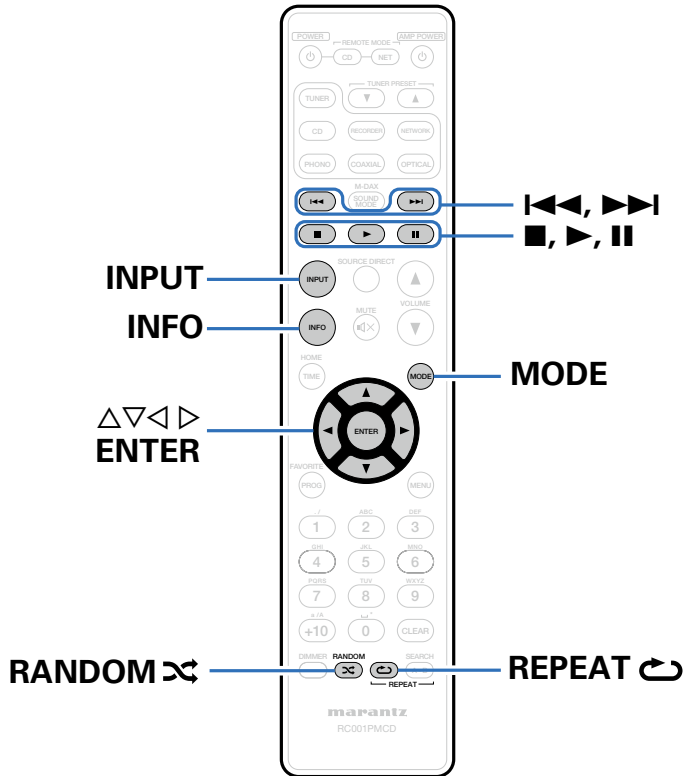
```

ABCDEFGHIJKLMNPOQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
0123456789
! " # $ % & ; < > ? @ I [ ] _ ` | { } ~ ^ ' ( ) * + , - . / = (space)

```



Playing an iPod®



- You can use the USB cable provided with the iPod to connect the iPod with the unit's USB port and enjoy music stored on the iPod.
- For information on the iPod models that can be played back with this unit, see "Supported iPod/iPhone models" (page 20).

Made for
iPod iPhone

"Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or iPhone, respectively, 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. Please note that the use of this accessory with iPod or iPhone may affect wireless performance. iPhone, iPod, iPod classic, iPod nano, iPod shuffle, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

- Individual users are permitted to use iPhone, iPod, iPod classic, iPod nano, iPod shuffle, and iPod touch for private copy and playback of non-copyrighted contents and contents whose copy and playback is permitted by law. Copyright infringement is prohibited by law.



Playing an iPod®

- 1 **Connect the iPod to the USB port** (👉 [page 19](#)).
- 2 **Press INPUT to select the playback media mode to "USB"** (👉 [page 25](#)).
"Direct iPod" is displayed on the display of this unit.
- 3 **Operate iPod itself directly while seeing the iPod screen to play back music.**



- The iPod display modes include "Direct iPod" and "Remote iPod".
By default, "Direct iPod", where you directly operate the iPod itself while looking at the iPod screen, is set.

NOTE

- Depending on the type of iPod and the software version, some functions may not operate.
- Note that Marantz will accept no responsibility whatsoever for any problems arising with the data on an iPod when using this unit in conjunction with the iPod.

Setting operation mode (Remote iPod mode)







In this mode, various lists and screens during playback on the iPod are displayed on the body.
This section describes the steps up to playing back tracks on the iPod in "Remote iPod".

- 1 **Press MODE and display "Remote iPod".**
- 2 **Use Δ / ∇ to select the file to be played, then press ENTER.**
Playback starts.

Display mode		Direct iPod	Remote iPod
Playable files	Music file	✓	✓
	Video file	*	
Active buttons	Remote control unit (This unit)	✓	✓
	iPod	✓	

* Only the sound is played.



Operation buttons	Function
	Playback
	Pause
	Stop
	Skip to previous track / Skip to next track (Press and hold) Fast-reverse / Fast-forward
RANDOM 	Random playback
REPEAT 	Repeat playback • Switching between All-track repeat and Single-track repeat.
MODE	Switching between Remote iPod and Direct iPod
TIME	Track elapsed time and Track remaining time

NOTE

- Marantz will accept no responsibility whatsoever for any loss of iPod data.
- Depending on the type of iPod and the software version, some functions may not operate.

■ To switch the display

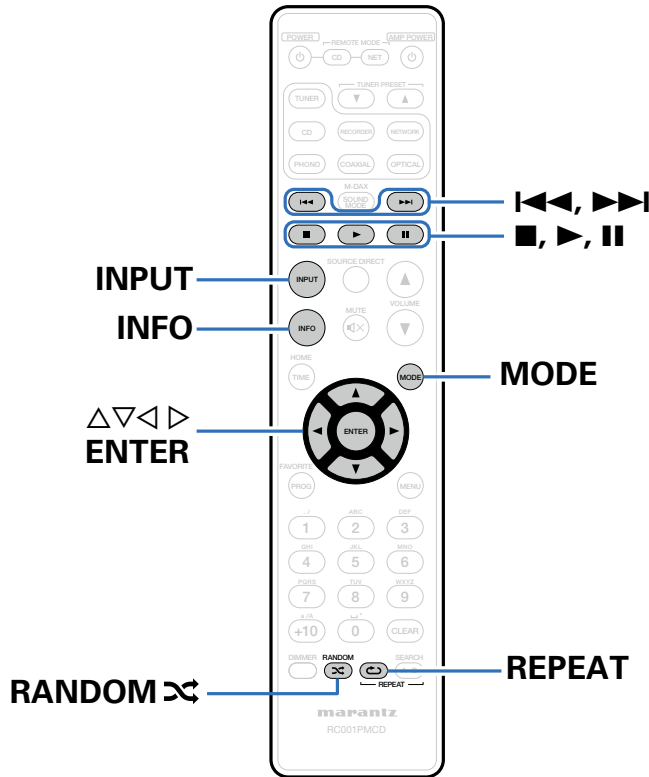
During playback, press INFO.

- Switching between the title name, artist name and album name.











Playing a USB memory device

Playing back music stored on a USB memory device.



Playing files stored on USB memory device

- 1** Connect the USB memory device to the USB port (👉 [page 19](#)).
- 2** Press INPUT to select the playback media mode to "USB" (👉 [page 25](#)).
- 3** Press MODE to select the "Folder mode" or "All mode".
 - **About the display**
 - **When "Folder mode" is selected**
"FLD" indicator lights.
All the files in the selected folder are played.
 - **When "All mode" is selected**
"FLD" indicator turns off.
After the selected folder and files are played, all the files in all the folders are played.
- 4** Use $\Delta \nabla$ to select the folder, then press ENTER.
- 5** Use $\Delta \nabla$ to select the file, then press ENTER.
Playback starts.

Operation buttons	Function
	Playback
	Pause
	Stop
	Skip to previous track / Skip to next track (Press and hold)
	Fast-reverse / Fast-forward
	Random playback
	Repeat playback <ul style="list-style-type: none"> • Switching between All-track repeat and Single-track repeat.
	Track elapsed time and Track remaining time



- When the menu's "Resume" (👉 [page 44](#)) is on, playback starts automatically when a USB memory device is connected.
- When a USB memory device is connected to this unit, playback starts automatically when "USB" playback media mode switching occurs.

NOTE

- Note that Marantz will accept no responsibility whatsoever for any problems arising with the data on a USB memory device when using this unit in conjunction with the USB memory device.



■ Switching the display

During playback, press INFO.

- Switching between the file name, the title name, artist name and album name.
- While a WAV file is being played back, only the file name is displayed.
- The player can display the following characters:

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

0123456789

!"#\$%&:;<>?@[]_`|{}~^'()*+,-./= (space)



Settings

Menu map

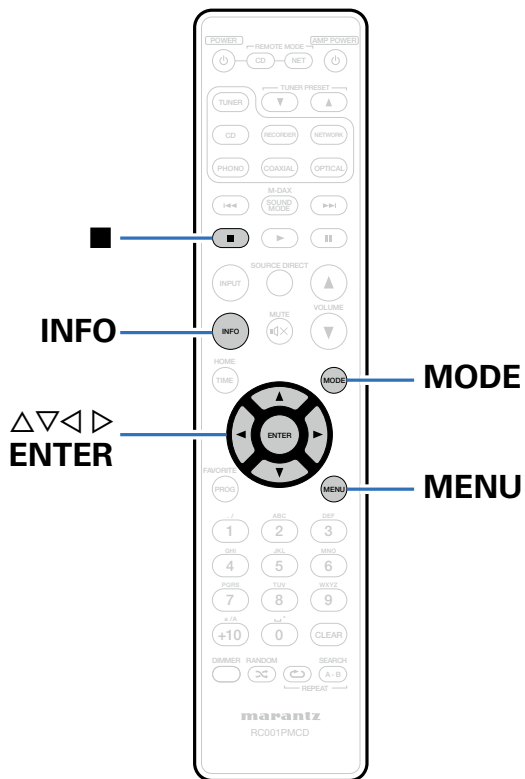
By default, this unit has recommended settings defined. You can customize this unit based on your existing system and your preferences.

Setting items		Description	Page
Digital Out		Setting the digital audio output signal.	43
Timer Play		This unit can perform timer play by cooperating with your timer device.	43
Disc Setup	Display Info	Sets the information displayed during playback of CD-TEXT Disc, MP3, WMA and AAC files.	43
	Play File	Selects whether all files or files within a specific folder are to be played during a MP3, WMA and AAC files playback.	43
USB Setup	Display Info	Sets the information played during USB memory device playback.	44
	Play File	Selects whether all files or files within a specific folder are to be played during a USB memory device playback.	44
	Resume	This unit stores the point at which playback of a file was stopped previously, and starts playback from the same point the next time playback is started.	44
iPod Setup	Display Info	Specifies the information which is displayed during iPod playback.	45
	iPod Control	Specifies whether iPod operation is to be performed from the unit or at the iPod.	45
	Resume	You can set whether to record the place where playback is stopped. When resume playback is set to on, this unit starts iPod playback from the start of the file that was previously being played.	45
Auto Standby		Sets whether to automatically switch the unit to the standby mode when the unit remains in the stop mode for more than 30 minutes.	46



Menu operation

- 1 Press MENU during stop mode.**
The menu is displayed on the display.
- 2 Use Δ / ∇ to select the menu to be set or operated, then press ENTER.**
- 3 Use Δ / ∇ change to desired setting.**
- 4 Press ENTER to enter the setting.**
 - To return to the previous item, press \triangleleft .
 - Exiting the Menu, press MENU while the menu is displayed. The menu display disappears.



Digital Out

Setting the digital audio output signal.

On (Default) : Use the digital audio output connector.

Off : Do not use the digital audio output connector.

Timer Play

This unit can perform timer play by cooperating with your timer device (see page 22 "Connecting the timer device").

On : Timer play is set. Select the input source to be used for timer play.

Off (Default) : Timer play is not set.

■ Using the timer play function

1. Turn on the power of the connected components.
2. Load a disc or connect an iPod or USB memory device.
3. Switch the amplifier's function to input from the connected unit.
4. Set the audio timer for the desired times.
5. Turn the timer on.

The power of the components connected to the timer turns off.

When the set time is reached, the power of the different components automatically turns on and playback starts from the first track.

NOTE

- The timer play does not support the random play or program play.

Disc Setup

Configures settings related to CD-TEXT Disc, MP3, WMA and AAC files recorded on the disc.

Display Info

Sets the information displayed during playback of CD-TEXT Disc, MP3, WMA and AAC files.

File Name (Default) : Displays the file name.

Title : Displays the title name.

Artist : Displays the artist name.

Album : Displays the album name.



- Press INFO to switch the information during playback.

Play File

Selects whether all files or files within a specific folder are to be played during a MP3, WMA and AAC files playback.

All (Default) : All files on the Disc are played.

Folder : Files within a selected folder are played.



- You can also press MODE to change these settings.



USB Setup

Configures settings related to USB memory devices.

Display Info

Sets the information played during USB memory device playback.

File Name (Default) : Displays the file name.

Title : Displays the title name.

Artist : Displays the artist name.

Album : Displays the album name.



- Press INFO to switch the information during playback.

Play File

Selects whether all files or files within a specific folder are to be played during a disc playback.

All (Default) : All files on the USB memory device are played.

Folder : Files within a selected folder are played.



- You can also press MODE to change these settings.

Resume

This unit stores the point at which playback of a file was stopped previously, and starts playback from the same point the next time playback is started.

On (Default) : Resume playback is set.

Off : Resume playback is not set.

NOTE

- Resume playback works even if the USB memory device is disconnected and then reconnected. However, if a different USB memory device is connected, the resume information for the previous USB memory device is deleted.
- The resume information may be deleted when the USB memory device is removed and files are added or deleted.



iPod Setup

Configures settings related to iPods.

Display Info

Specifies the information which is displayed during iPod playback.

Title (Default) : Displays the title name.

Artist : Displays the artist name.

Album : Displays the album name.

iPod Control

Specifies whether iPod operation is to be performed from the unit or at the iPod.

Direct (Default) : Control using the iPod.

Remote : Control using this unit and the remote control.



- You can also press the MODE button to change these settings.


Resume

You can set whether to record the place where playback is stopped. When resume playback is set to on, this unit starts iPod playback from the start of the file that was previously being played.

On (Default) : Resume playback is set.

Off : Resume playback is not set.

NOTE

- Resume playback cannot be used if  is pressed to stop the iPod.



Auto Standby

Sets whether to automatically switch the unit to the standby mode when the unit remains in the stop mode for more than 30 minutes.

On (Default) : The unit goes into standby after 30 minutes.

Off : The unit does not go into standby automatically.



- When an iPod is being charged, this unit enters the power standby mode after charging is complete.

NOTE

- If an iPod is connected with this unit in the direct mode, this unit will not enter the standby mode, even after about 30 continuous minutes of stop mode with no operation.



Tips


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I want to skip tracks on a CD	(48)	Display on this unit shows nothing	(50)
I want to repeatedly listen to a specific section	(48)	No sound comes out.....	(51)
I want to playback just the specified folder.....	(48)	Sound is interrupted or noise occurs.....	(51)
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


Tips

I want to enjoy analog output audio at higher quality

- Set Audio EX which turns digital output and the display off ( [page 26](#)).

I want to display CD-TEXT

- This unit is compatible with CD-TEXT. Press the INFO button to switch the displayed information ( [page 31](#)).


I want to skip tracks on a CD

- Select the tracks that you want to skip in delete program playback mode ( [page 29](#)).


I want to repeatedly listen to a specific section

- Set A-B repeat playback ( [page 29](#)).


I want to playback just the specified folder

- Use “Play File” in the menu or the MODE button to set the playback range to “Folder” ( [page 39](#)).

I want to stop the iPod or USB memory device from automatically starting playback

- Set “Resume” to “Off” in the menu ( [page 44, 45](#)).


I want to display the title, etc. of the file currently playing back on the iPod on this unit’s display

- Use “iPod Control” in the menu or the MODE button to set Remote iPod mode ( [page 36, 45](#)).

I want to playback WAV files

- This unit can playback WAV files that are stored on a USB memory device ( [page 39](#)).

I want to use this unit’s remote control to operate a Marantz network audio player

- Switch the remote mode of the remote control ( [page 15](#)).
- Also, refer to the instruction manual of the network audio player.





Troubleshooting

If a problem should arise, first check the following:

1. Are the connections correct?
2. Is the set being operated as described in the owner's manual?
3. Are the other devices operating properly?

If this unit does not operate properly, check the items listed in the table below. Should the problem persist, there may be a malfunction. In this case, disconnect the power immediately and contact your store of purchase.

■ Power does not turn on / Power is turned off

Symptom	Cause / Solution	Page
Power is not turned on.	<ul style="list-style-type: none"> • Check whether the power plug is correctly inserted into the power outlet. • This unit is in standby mode. Press  on the unit or POWER  on the remote control. 	23 25
Power automatically turns off.	<ul style="list-style-type: none"> • The Auto Standby mode is set. The Auto Standby mode switches the unit to standby mode when the unit is not operated for approximately 30 minutes. To disable Auto Standby mode, set "Auto Standby" on the menu to "Off". 	46



■ Operations cannot be performed through the remote control unit

Symptom	Cause / Solution	Page
Operations cannot be performed through the remote control unit.	• Batteries are worn out. Replace with new batteries.	<u>5</u>
	• Operate the remote control unit within a distance of about 23 ft/7 m from this unit and at an angle of within 30°.	<u>5</u>
	• Remove any obstacle between this unit and the remote control unit.	–
	• Insert the batteries in the proper direction, checking the ⊕ and ⊖ marks.	<u>5</u>
	• The set's remote control sensor is exposed to strong light (direct sunlight, inverter type fluorescent bulb light, etc.). Move the set to a place in which the remote control sensor will not be exposed to strong light.	–
	• When using a 3D video device, the remote control unit of this unit may not function due to effects of infrared communications between units (such as TV and glasses for 3D viewing). In this case, adjust the direction of units with the 3D communications function and their distance to ensure they do not affect operations from the remote control unit of this unit.	–
	• Press the REMOTE MODE CD button to switch the remote control operating mode to "CD".	<u>11</u>

■ Display on this unit shows nothing

Symptom	Cause / Solution	Page
Display is off.	• Press DIMMER, and change the setting to anything other than off.	<u>26</u>
	• The display is switched off when the sound mode is set to "Audio EX 2".	<u>26</u>



■ No sound comes out

Symptom	Cause / Solution	Page
No sound is produced or sound is distorted.	<ul style="list-style-type: none"> • Check the connections for all devices. • Insert connection cables all the way in. • Check that input connectors and output connectors are not reversely connected. • Check cables for damage. • Check the amplifier's functions and controls and adjust as necessary. 	<u>16</u> – – – –

■ Sound is interrupted or noise occurs

Symptom	Cause / Solution	Page
During playback from the USB memory device, sound is occasionally interrupted.	<ul style="list-style-type: none"> • When the transfer speed of the USB memory device is slow, sound may occasionally be interrupted. 	–



■ Cannot playback CDs

Symptom	Cause / Solution	Page
Cannot playback when the play button is pressed, or cannot correctly playback a specific part of the disc.	<ul style="list-style-type: none"> The CD is dirty or scratched. Either clean the CD, or insert a different CD. 	<u>59</u>
Cannot playback CD-R/CD-RW.	<ul style="list-style-type: none"> CDs cannot be played back unless they have been finalized. Use a finalized disc. This may be caused by poor recording conditions, or the disc itself may be of poor quality. Use a correctly recorded disc. The DATA CD playback function of this unit only supports playback of MP3, WMA and AAC files. 	<u>54</u> , <u>60</u> – <u>54</u>
“Not Support” is displayed.	<ul style="list-style-type: none"> “Not Support” is displayed if a disc that cannot be played is loaded. 	<u>58</u>
“No Disc” is displayed.	<ul style="list-style-type: none"> “No Disc” is displayed if the disc is loaded upside-down or if no disc is loaded. 	<u>58</u>

■ iPod cannot be played back

Symptom	Cause/Solution	Page
iPod cannot be connected.	<ul style="list-style-type: none"> When using iPod by connecting it to the USB port, some iPod variations are not supported. When iPod is connected by using a USB cable other than the genuine cable, iPod may not be recognized. Use a genuine USB cable. 	<u>19</u> –



■ USB memory devices cannot be played back

Symptom	Cause/Solution	Page
"No Device" is displayed.	<ul style="list-style-type: none"> This unit may not recognize the USB memory device due to poor connection, etc. Make sure that the connection is made properly by taking actions such as disconnecting and reconnecting the USB memory device. USB memory devices of a mass storage class are supported. This unit does not support a connection through a USB hub. Connect the USB memory device directly to the USB port. The USB memory device must be formatted to FAT16 or FAT32. Not all USB memory devices are guaranteed to work. Some USB memory devices are not recognized. When using a type of portable hard disc drive compatible with the USB connection that requires power from an AC adapter, use the AC adapter that came with the drive. 	<p><u>19</u></p> <p>–</p> <p>–</p> <p>–</p> <p>–</p>
Files on the USB memory device are not displayed.	<ul style="list-style-type: none"> Files of a type not supported by this unit are not displayed. This unit can display a file structure with up to 8 levels and up to 700 folders and up to 65,535 files. Modify the folder structure of the USB memory device. When multiple partitions exist on the USB memory device, only files on the first partition are displayed. 	<p><u>55</u></p> <p>–</p> <p>–</p>
Files on a USB memory device cannot be played.	<ul style="list-style-type: none"> Files are created in a format that is not supported by this unit. Check the formats supported by this unit. You are attempting to play a file that is copyright protected. Files that are copyright protected cannot be played on this unit. 	<p><u>55</u></p> <p>–</p>

■ File names on the iPod/USB memory device are not displayed properly




Symptom	Cause/Solution	Page
The file names are not displayed properly ("...", etc.).	<ul style="list-style-type: none"> Characters that cannot be displayed are used. This is not a malfunction. On this unit, characters that cannot be displayed are replaced with a "." (period). 	–



Appendix

Playable media

Discs

Playable media	
CD	
CD-R	
CD-RW	

NOTE

- Some discs and some recording formats may not be playable.
- Non-finalized discs cannot be played.

Files

CD-R and CD-RW discs created in the format described below can be played.

■ Writing software format

ISO9660 level 1, 2

Expansion format (Juliet.Romeo)

- When written in other formats, it may not be possible to play the disc properly.

■ Maximum number of playable files and folders

Number of folders : 255

Number of files : 255

■ Tag data

ID3-TAG (Ver.1.x and 2.x)

WMA-TAG

AAC-TAG

The title, artist, and album tag data are supported.

Playable files (Extension)	File specification
MP3 (.mp3)	<ul style="list-style-type: none"> • Sampling frequency : 32 / 44.1 / 48 kHz • Bit rate : 32 kbps to 320 kbps • Format : MPEG1 Audio Layer 3
WMA (.wma)	<ul style="list-style-type: none"> • Sampling frequency : 32 / 44.1 / 48 kHz • Bit rate : 64 kbps to 192 kbps • Format : Windows Media Audio
AAC (.m4a)	<ul style="list-style-type: none"> • Sampling frequency : 32 / 44.1 / 48 kHz • Bit rate : 64 kbps to 192 kbps • Format : Advanced Audio Codec

NOTE

- Be sure to give files the extension “.mp3”, “.wma” or “.m4a”. Files with any other extensions or files with no extensions cannot be played.
- Recordings you have made should only be used for your personal enjoyment, and as per copyright laws may not be used in other ways without permission of the copyright holder.



USB memory device

■ USB-compatible file systems

FAT16 or FAT32

- If the USB memory device is divided into multiple partitions, only the top drive can be selected.

■ Maximum number of playable files and folders

Maximum number of files: 65,535

Maximum number of folders: 700

■ File format

MP3 (MPEG-1 Audio Layer-3)

WMA (Windows Media Audio)

AAC (Advanced Audio Codec)

WAV (Linear PCM)

■ Tag data

ID3-TAG (Ver.1.x and 2.x)

WMA-TAG

AAC-TAG

The title, artist, and album tag data are supported.

Playable files (Extension)	File specification
MP3 (.mp3)	<ul style="list-style-type: none"> • Sampling frequency : 32 / 44.1 / 48 kHz • Bit rate : 32 kbps to 320 kbps • Format : MPEG1 Audio Layer 3
WMA (.wma)	<ul style="list-style-type: none"> • Sampling frequency : 32 / 44.1 / 48 kHz • Bit rate : 48 kbps to 320 kbps • Format : Windows Media Audio
AAC (.m4a)	<ul style="list-style-type: none"> • Sampling frequency : 32 / 44.1 / 48 kHz • Bit rate : 64 kbps to 192 kbps • Format : Advanced Audio Codec
Linear PCM (.wav)	<ul style="list-style-type: none"> • Sampling frequency : Linear PCM 32 / 44.1 / 48 kHz • Bit length : 16 bit • Format : Linear PCM





- Only music files that are not copyright-protected can be played on this set.
- Contents downloaded from pay sites on the Internet may be copyright protected. Also, files encoded in WMA format when ripped from a CD, etc., on a computer may be copyright protected, depending on the computer's settings.
- When audio from files in the USB memory device is output from the digital audio output connector, the sampling frequency is converted to 44.1kHz for output.

NOTE

- Insert and remove a USB memory device with the power set to standby. If it is inserted or removed with the power on, the recorded files cannot be loaded or may be damaged.
- It is not compatible with an MP3 player, digital camera, a USB device for a mobile phone, etc.
- The unit cannot charge a USB device.
- The unit does not support a card reader, USB extension cable, or USB hub.

Playback order of MP3/WMA/AAC/WAV files

When there are multiple folders containing MP3/WMA/AAC/WAV files, the playback order of folders is automatically set when this unit reads the media. The files in each folder are played back in the order in which the files were recorded on the media, from the oldest date and time.

CD-R/CD-RW

For playback of files on CD-R or CD-RW, files in all folders on the first layer are played first, next on the second layer, then next on the third layer, and so on in this order.

USB memory device

For playback of files recorded on USB, files in the first folder on the first layer are played first, next folders on the second layer in the folder, then next on the third layer, and so on in this order. Then accordingly files on another first layer are played.



- The playback order displayed on a PC may differ from the actual playback order.
- The playback order with a CD-R/CD-RW may differ, depending on the writing software.

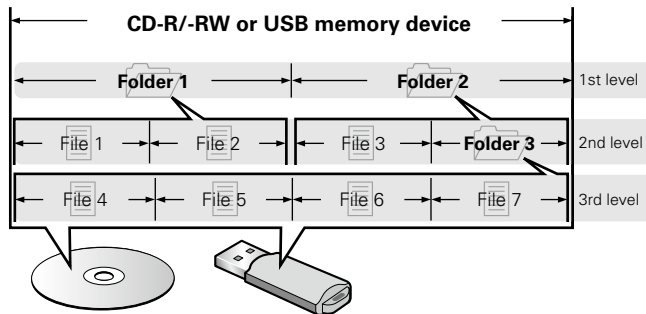
NOTE

- The playback order may differ from the order in which the folders or files were recorded if you delete or add a folder or file on USB. This occurs because of data recording specifications and is not a malfunction.



About discs and files

Files, such as MP3/WMA/AAC/WAV etc., recorded on CD-R/RW and USB memory device are divided into large segments (folders) and small segments (files). Files are stored in folders, and folders can be placed for storage in a hierarchy. The unit can recognize up to 8 levels of folders.



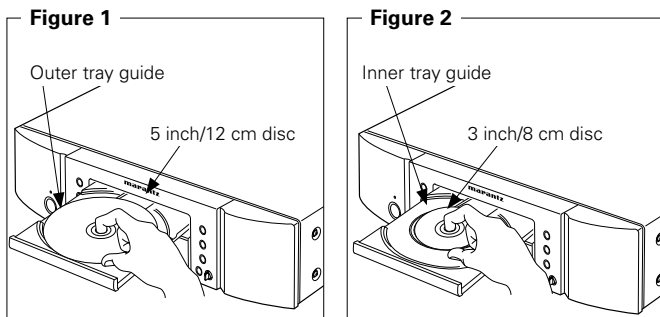
- When writing MP3/WMA etc. files on a CD-R/RW disc, set the writing software's format to "ISO9660". The files may not play properly if they are recorded in other formats. For details, refer to the instructions of your writing software.



Cautions on using media

Inserting a disc

- Set the disc in the tray label side up.
- Make sure the disc tray is fully open when inserting the disc.
- Place the discs flatly, 5 inch/12 cm discs in the outer tray guide (Figure 1), 3 inch/8 cm discs in the inner tray guide (Figure 2).



- Place 8 cm discs in the inner tray guide without using an adapter.



- "00Tr 00:00" is displayed if a disc that cannot be played is loaded.
- "No Disc" is displayed if the disc is loaded upside-down or if no disc is loaded.

NOTE

- Only load one disc at a time. Loading two or more discs can damage the unit or scratch the discs.
- Do not use cracked or warped discs or discs that have been repaired with adhesive, etc.
- Do not use discs on which the sticky part of cellophane tape or labels is exposed or on which there are traces of where labels have been removed. Such discs can get caught inside the player and damage it.
- Do not use discs in special shapes, as they may damage the player.



- Do not push the disc tray in by hand when the power is off. Doing so could damage the set.

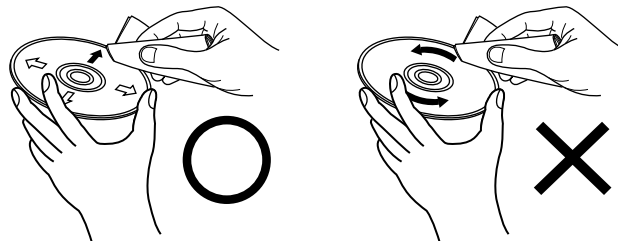


How to handle media

- Do not get fingerprints, oil or dirt on discs.
- Take special care not to scratch discs when removing them from their cases.
- Do not bend or heat discs.
- Do not enlarge the hole in the center.
- Do not write on the labeled (printed) surface with ball-point pens, pencils, etc., or stick new labels on discs.
- Condensation may form on discs if they are moved suddenly from a cold place (outdoors for example) to a warm place, but do not try to dry discs with a hairdryer, etc.
- Do not eject a USB memory device or turn off the unit while a USB memory device is being played. This may result in malfunction or loss of the USB memory device's data.
- Do not attempt to open or modify a USB memory device.
- USB memory device and files can be damaged by static electricity. Do not touch the metal contacts of an USB memory device with your fingers.
- Do not use warped USB memory device.
- After use, be sure to remove any disc or USB memory device, and store it in its proper case, to avoid dust, scratches and deformation.
- Do not store discs in the following places:
 1. Places exposed to direct sunlight for long periods of time
 2. Dusty or humid places
 3. Places exposed to heat from heaters, etc.

Cleaning discs

- If there are fingerprints or dirt on a disc, wipe them off before using the disc.
- Use a commercially available disc cleaning set or a soft cloth to clean discs.



Gently wipe the disc from the inside towards the outside.

Do not wipe with a circular motion.

NOTE

- Do not use record spray, antistatic agents, benzene, thinner or other solvents.



Explanation of terms

B

Bit rate

This is the amount of audio data recorded on a disc that is read in one second.

D

Dynamic range

The difference between the maximum, undistorted sound level and the minimum sound level that is discernible above the noise emitted by the device.

F

Finalizing

This process enables CDs recorded with a CD recorder or drive to be played by other players.

L

Linear PCM

This is an uncompressed PCM (Pulse Code Modulation) signal. This is the same system used for CD audio but uses 192 kHz, 96 kHz, and 48 kHz sampling frequencies on Blu-ray Disc or DVD and provides higher resolution than CD.

M

MP3 (MPEG Audio Layer 3)

This is an internationally standardized audio data compression scheme, based on the “MPEG-1” video compression standard. It compresses the data volume to about one eleventh its original size while maintaining sound quality roughly equivalent to a music CD.

S

Sampling frequency

Sampling involves taking a reading of a sound wave (analog signal) at regular intervals and expressing the height of the wave at each reading in digitized format (producing a digital signal).

The number of readings taken in one second is called the “sampling frequency”. The larger the value, the closer the reproduced sound is to the original.

W

WMA (Windows Media Audio)

This is the audio compression technology developed by Microsoft Corporation.

To encode WMA files, only use applications authorized by Microsoft Corporation. If you use an unauthorized application, the file may not work properly.



Specifications

■ Audio performance

• Analog output

Channels:	2 channels
Playable frequency range:	2 Hz – 20 kHz
Playable frequency response:	2 Hz – 20 kHz (± 0.5 dB)
S/N:	110 dB
Dynamic range:	100 dB
Harmonic distortion:	0.002 % (1 kHz)
Wow & flutter:	Crystal accuracy

• Output level

Signal type:	2.2 V RMS stereo
Headphone output:	28 mW/32 Ω /ohms (variable maximum)

• Digital output

Coaxial:	0.5 V _{p-p} / 75 Ω /ohms
Optical:	-19 dBm

• Optical readout system

Laser:	AlGaAs
Wave length:	780 nm
Signal type:	16-bit linear PCM
Sampling frequency:	44.1 kHz












■ General

Power supply:	AC 120 V, 60 Hz
Power consumption:	32 W
Power consumption in standby mode:	0.3 W or less
Operating temperatures:	+5 °C – +35 °C
Operating humidity:	5 – 90 % (without dew)

For purposes of improvement, specifications and design are subject to change without notice.



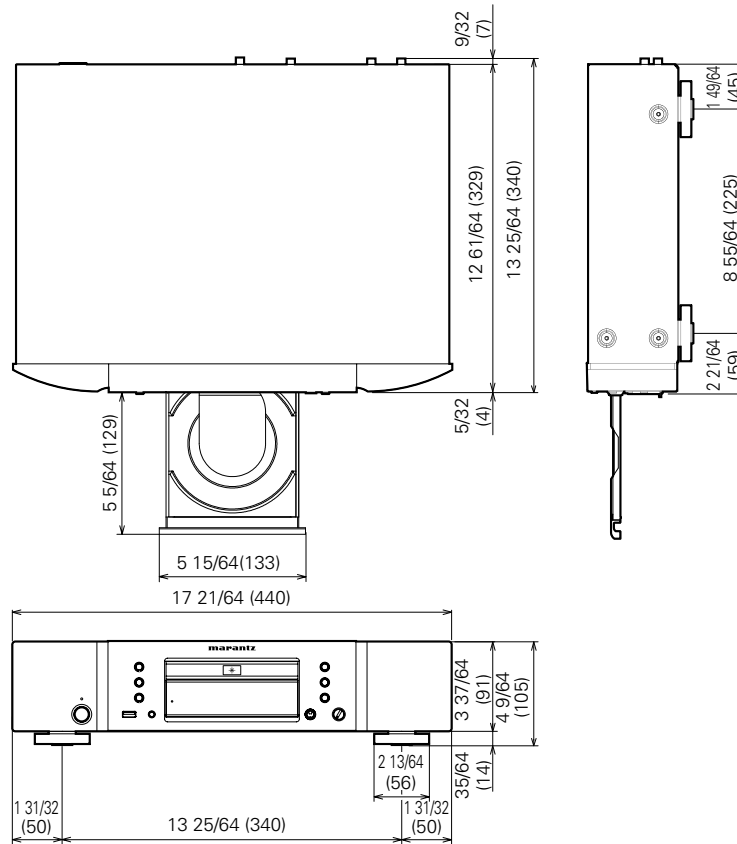
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■ Dimensions

Unit : in. (mm)



■ Weight : 14 lbs 9 oz (6.6 kg)



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