DENON

DCD-F109
COMPACT DISC PLAYER

Owner's Manual

❑ About the remote control unit

No remote control unit is included with the DCD-F109.
When the DCD-F109 and DRA-F109 (stereo receiver, sold separately) are connected using the system cable included with the DCD-F109 (system connections), the DCD-F109 can be controlled using the remote control unit included with the DRA-F109.

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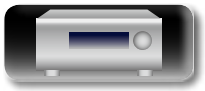
- **For details about the remote control unit, see the DRA-F109's owner's manual.**



❑ SAFETY PRECAUTIONS

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

"CLASS 1
LASER PRODUCT"

ADVARSEL: **USYNLIG LASERSTRÅLING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSAETTELSE FOR STRÅLING.**

VAROITUS! **LAITTEEN KÄYTTÄMINEN MUULLA KUIN TÄSSÄ KÄYTTÖOHJEESSA MAINITULLA TAVALLA SAATTAA ALTISTAA KÄYTTÄJÄN TURVALLISUUSLUOKAN 1 YLITTÄVÄLLE NÄKYMÄMTTÖMÄLLE LASERSÄTEILYLLE.**

VARNING: **OM APPARATEN ANVÄNDS PÅ ANNAT SÄTT ÄN I DENNA BRUKSANVISNING SPECIFICERATS, KAN ANVÄNDAREN UTSÄTTAS FÖR OSYNLIG LASERSTRÅLNING SOM ÖVERSKRIDER GRÄNSEN FÖR LASERKLASS 1.**

ATTENZIONE: QUESTO APPARECCHIO E' DOTATO DI DISPOSITIVO OTTICO CON RAGGIO LASER.
L'USO IMPROPRIO DELL'APPARECCHIO PUO' CAUSARE PERICOLOSE ESPOSIZIONI A RADIAZIONI!

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings.
   Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10. Only use attachments/accessories specified by the manufacturer.
11. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
12. Unplug this apparatus during lightning storms or when unused for long periods of time.
13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
14. Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

CAUTION:
To completely disconnect this product from the mains, disconnect the plug from the wall socket outlet.
The mains plug is used to completely interrupt the power supply to the unit and must be within easy access by the user.

CAUTION:
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
THIS PRODUCT SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED SERVICE PERSONNEL.

• DECLARATION OF CONFORMITY
We declare under our sole responsibility that this product, to which this declaration relates, is in conformity with the following standards:
EN60065, EN55013, EN55020, EN61000-3-2 and EN61000-3-3.
Following the provisions of Low Voltage Directive 2006/95/EC and EMC Directive 2004/108/EC, the EC regulation 1275/2008 and its frame work Directive 2009/125/EC for Energy-related Products (ErP).

DENON EUROPE
Division of D&M Germany GmbH
An der Kleinbahn 18, Nettetal,
D-41334 Germany

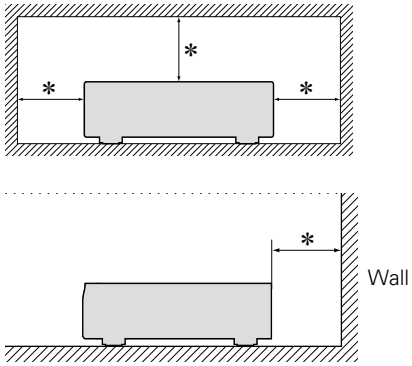
A NOTE ABOUT RECYCLING:
This product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with the local recycling regulations.
When discarding the unit, comply with local rules or regulations.
Batteries should never be thrown away or incinerated but disposed of in accordance with the local regulations concerning battery disposal.
This product and the supplied accessories, excluding the batteries, constitute the applicable product according to the WEEE directive.

❑ NOTES ON USE

WARNINGS

- Avoid high temperatures.
  Allow for sufficient heat dispersion when installed in a rack.
- Handle the power cord carefully.
  Hold the plug when unplugging the cord.
- Keep the unit free from moisture, water, and dust.
- Unplug the power cord when not using the unit for long periods of time.
- Do not obstruct the ventilation holes.
- Do not let foreign objects into the unit.
- Do not let insecticides, benzene, and thinner come in contact with the unit.
- Never disassemble or modify the unit in any way.
- Ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths or curtains.
- Naked flame sources such as lighted candles should not be placed on the unit.
- Observe and follow local regulations regarding battery disposal.
- Do not expose the unit to dripping or splashing fluids.
- Do not place objects filled with liquids, such as vases, on the unit.
- Do not handle the mains cord with wet hands.
- When the switch is in the OFF (STANDBY) position, the equipment is not completely switched off from MAINS.
- The equipment shall be installed near the power supply so that the power supply is easily accessible.
- Do not keep the battery in a place exposed to direct sunlight or in places with extremely high temperatures, such as near a heater.

❑ CAUTIONS ON INSTALLATION



* **For proper heat dispersal, do not install this unit in a confined space, such as a bookcase or similar enclosure.**
- More than 0.1 m is recommended.
- Do not place any other equipment on this unit.

Getting Started

Thank you for purchasing this DENON 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.

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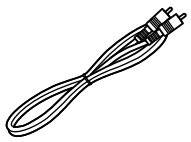
Accessories

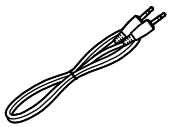
Check that the following parts are supplied with the product.

① Getting Started	1
② CD-ROM (Owner's manual)	1
③ Safety Instructions	1
④ Service network list	1
⑤ Coaxial digital cable	1
⑥ System cable	1

⑤



⑥



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Features

High precision 24-bit 192 kHz D/A converter and strictly selected parts

This D/A converter, strictly selected parts and the audio circuit design that DENON has developed over many years masterfully reproduce the delicate nuances of music in the audio signal.

Digitally transmitted play function for iPhone/iPod/USB memory player via USB

A USB port is mounted on the Front Panel. MP3/WMA files can be played by connecting a USB Player or USB memory device.
An iPod is connected using the USB cable supplied with the iPod. Music files in an iPod, USB Player or USB memory device are transmitted via digital signal and can be enjoyed at high audio quality using the this unit's own audio circuitry.

Playback of MP3 and WMA files

Supports playback of discs and USB memory devices on which MP3 or WMA files are recorded. The unit's display can display the title of the track and the name of the artist of the current track.
Usable characters "Switching the display" (☞page 13, 16)

Two line FL display for easy reading, setup

Text information appears on the display during MP3 or iPod playback. Two-line front display, to easily identify music tracks.

Auto Standby mode for save the energy

Cautions on handling

- **Before turning the power switch on**
  Check once again that all connections are correct and that there are no problems with the connection cables.
- Power is supplied to some of the circuitry even when the unit is set to the standby mode. When leaving home for long periods of time, be sure to unplug the power cord from the power outlet.
- **Proper ventilation**
  If the unit is left in a room full of smoke from cigarettes, etc., for long periods of time, the surface of the optical pickup may get dirty, preventing it from receiving signals properly.
- **About condensation**
  If there is a major difference in temperature between the inside of the unit and its surroundings, condensation may form on parts inside the unit, causing it to fail to operate properly.
  If this happens, let the unit sit for an hour or two with the power turned off and wait until there is little difference in temperature before using the unit.
- **Cautions on using mobile phones**
  Using a mobile phone near this unit may result in noise. If that occurs, move the mobile phone away from the unit when it is in use.
- **Moving the unit**
  Be sure to remove a disc, turn off the power and unplug the power cord from the power outlet. Next, disconnect the connection cables to other system equipment before moving the unit.
- **About care**
  - Wipe the cabinet and control panel clean with a soft cloth.
  - Follow the instructions when using a chemical cleaner.
  - Benzene, paint thinner or other organic solvents as well as insecticide may cause material changes and discoloration if brought into contact with the unit, and should therefore not be used.

Preparations

Here, we explain the connection methods for this unit.

- **Connecting the DIGITAL OUT connector** ☞page 4
- **Connecting an iPod or USB memory device to the USB port** ☞page 5
- **Connecting the power cord** ☞page 6

Connections

For system connections, also see the section “Making system connections” (☞page 17).

NOTE

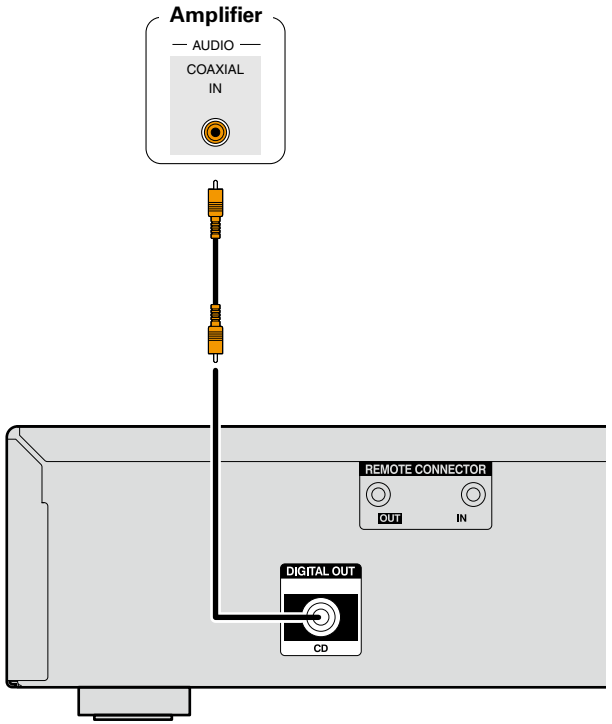
- Do not plug in the power cord until all connections have been completed.
- When making connections, also refer to the operating instructions of the other components.
- Do not bundle power cords together with connection cables. Doing so can result in humming or noise.

Cables Used for Connections

Select the cables according to the equipment being connected.

Audio cable (supplied)	
System cable	
Coaxial digital cable	

Connecting the DIGITAL OUT connector

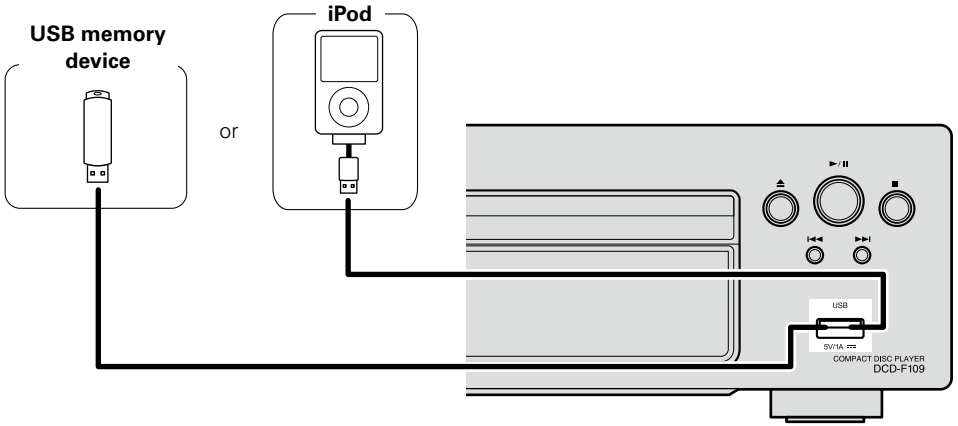


Connecting an iPod or USB memory device to the USB port

- You can enjoy music stored on an iPod or USB memory device.
- For operating instructions see "Playing an iPod" (☞page 14) or "Playing a USB memory device" (☞page 15).

Cables used for connections

To connect an iPod to this unit, use the USB cable supplied with the iPod.



DENON does not guarantee that all USB memory devices will operate or receive power. When using a portable USB connection type HDD of the kind to which an AC adapter can be connected to supply power, use the 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.
- When connecting an iPhone to this unit, keep the iPhone at least 20 cm away from this unit. If the iPhone is kept closer to this unit and a telephone call is received by the iPhone, noise may be output from this device.
- If the iPod is connected using an iPod cable (commercially available) that is longer than 2 m, sound may not be played correctly. In this case, use a genuine iPod cable, or a cable that is shorter than 1 m.

Supported iPod 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 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

• iPhone

iPhone 4GB 8GB 16GB | iPhone 3G 8GB 16GB | iPhone 3GS 8GB 16GB 32GB | iPhone 4 8GB 16GB 32GB | iPhone 4S 16GB 32GB 64GB

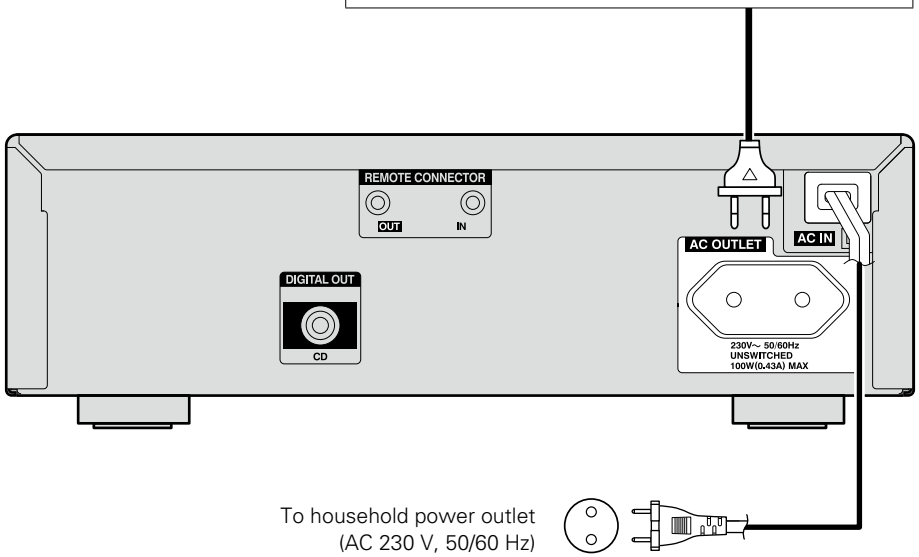
(as of June 2012)

Connecting the power cord

Wait until all connections have been completed before connecting the power cord.

Connecting to the AC OUTLET

UNSWITCHED (Total capacity: 100 W (0.43 A):
This does not link with the main unit's ⏻ button.
Make sure the total power consumption of the connected devices does not exceed 100 W (0.43 A).



To household power outlet
(AC 230 V, 50/60 Hz)

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.
- Insert the AC plugs securely. Incomplete connections could cause noise.
  Do not unplug the power cord before the power indicator turns off and the DCD-F109 enters Standby mode.
- The AC outlet is for use with audio components. Do not use it to connect hair dryers or any equipment other than audio components.

Operations

Here, we explain functions and operations that let you make better use of this unit.

- **Basic operation** ☞page 8
- **Advanced operation** ☞page 11
- **About system functions** ☞page 17

❑ **Turning the power on** (☞page 8)
❑ **Before playing a disc** (☞page 8)
❑ **Turning the power off** (☞page 8)

❑ **Playing CDs** (☞page 9)

❑ **Playing MP3 and WMA files** (☞page 12)
❑ **Playing an iPod** (☞page 14)
❑ **Playing a USB memory device** (☞page 15)
❑ **Convenient functions** (☞page 16)

❑ **About system functions** (☞page 17)

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Preparations

NOTE

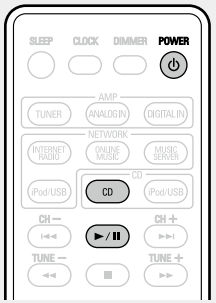
To operate this unit with the remote control unit supplied with DRA-F109:

- Use a system cable to connect this unit to DRA-F109 (☞page 17 "Making system connections").
- Set the input source on DRA-F109 to "CD/USB" before performing operations.

Turning the power on

Press POWER ⏻.
(Press ⏻ on the main unit).

- The power turns on. Press again to set the power to standby.
- Power indicator
  Normal standby.....Off
  Power on.....Green
  iPod charge standby.....Red



When the power is in the standby mode, pressing one of the following buttons also turns this unit on.

- ⏻, ⏏ or ►/❚❚* on the main unit
- **CD**, **iPod/USB** (CD) or ►/❚❚* on the remote control unit

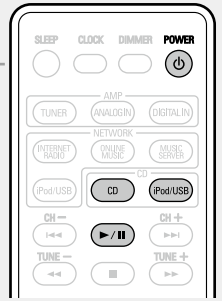
* For the "DISC" playback media mode: When a disc is loaded, playback starts.
For the "USB" playback media mode: The device connected to the USB port is played.

NOTE

- Power continues to be supplied to some of the circuitry even when the power is in the standby mode. When leaving home for long periods of time, unplug the power cord from the power outlet.
- Be sure to stop playback before turning the power off.

Before playing a disc

1 **Press POWER ⏻.**



2 **Press CD to set the media mode to "DISC".**
If no disc is loaded "NO DISC" is displayed.

- You can also press **DISC/USB** on this unit to switch the media mode.
- When you press **iPod/USB** (CD) on the remote control unit, the media mode switches to "USB".

3 **Insert a disc (☞page 20).**

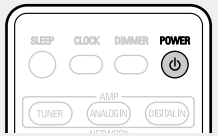
- Press ⏏ on the main unit to open/close the disc tray.
- The disc tray also closes when ►/❚❚ is pressed.

NOTE

Do not place any foreign objects in the disc tray. Doing so could damage it.

Turning the power off

Press POWER ⏻.
(Press ⏻ on the main unit).
The power indicator turns off, and so does the power.



NOTE

- Be sure to stop playback before turning the power off.
- Make sure that the disc tray is completely shut before turning off the power.
- Do not push the disc tray in by hand when the power is turned off. Doing so could damage the set.

Playing CDs

1 **Playback preparation (☞page 8 "Before playing a disc").**

2 **Press ►/II.**
The "►" indicator lights and playback begins.

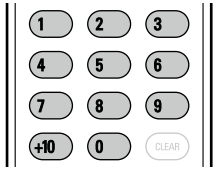
❑ Stopping playback
Press ■.

❑ Stopping playback temporarily
Press ►/II.
The "II" indicator lights.
- To resume playback, press ►/II.

❑ Fast-forwarding and fast-reversing (searching)
During playback, press and hold in ◄◄, ►►.

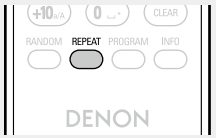
❑ Moving to the beginning of tracks (skipping)
During playback, press I◄◄, ►►I.
- The disc is skipped the number of tracks equal to the number of times the button is pressed.
- When pressed once in the return direction, playback returns to the beginning of the currently playing track.

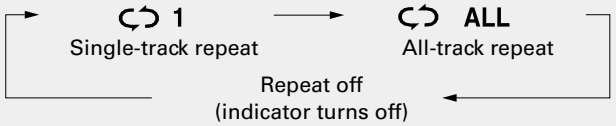
❑ To play the desired track
Press **0** – **9**, **+10** to select the track.
[Example] Track 4 : **4**
[Example] Track 12 : **+10**, **2**
[Example] Track 20 : **+10**, **+10**, **0**



Playing repeatedly (Repeat playback)

Press REPEAT.
Playback in the respective repeat mode starts.



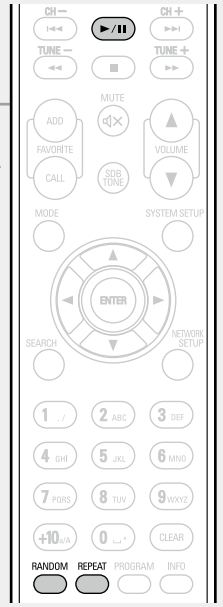


1 (Single-track repeat)	Only 1 track plays repeatedly.
ALL (All-track repeat)	All tracks play repeatedly.
Repeat off (indicator turns off)	Normal playback resumes.

Playing random order (Random playback)

1 **In the stop mode, press RANDOM.**
The "RANDOM" indicator lights.

2 **Press ►/II.**
The tracks start playing in random order.



When **REPEAT** is pressed during random playback, the tracks are played in a different random order after this turn.

NOTE

Direct searching is not possible during random playback.

❑ Stopping random playback
In the stop mode, press **RANDOM**.
The "RANDOM" indicator turns off.

Playing tracks in the desired order (Program playback)

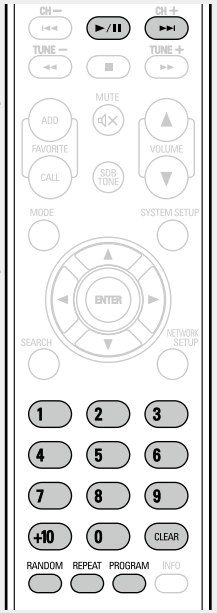
Up to 25 tracks can be programmed.

1 **In the stop mode, press PROGRAM.**
"PGM" is displayed.

2 **Use 0 – 9, +10 to select the tracks.**

【Example】 To program tracks 3, 12, 7 to play in that order:
Press **PROGRAM**, **3**, **+10**, **2**, **7**.

3 **Press ►/II.**
Playback starts in the programmed order.



❑ 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.

❑ To clear one programmed track at a time

In the stop mode, press ►►I to select the track to be cleared, then press **CLEAR**.

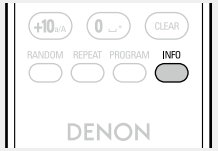
❑ Clearing the all programmed track

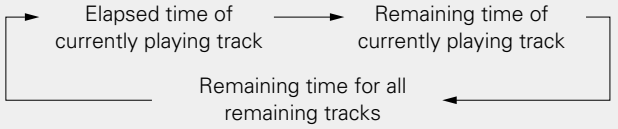
In the stop mode, press **PROGRAM**.

- When **REPEAT** is pressed during program playback, the tracks are played repeatedly in the programmed order.
- When **RANDOM** is pressed during program playback, the programmed tracks are played in random order.
- The program is cleared when the disc tray is opened or the power is turned off.

Switching the display

Press INFO.





- The display switches each time the button is pressed.

❑ **Turning the power on** (☞page 8)
❑ **Before playing a disc** (☞page 8)
❑ **Turning the power off** (☞page 8)

❑ **Playing CDs** (☞page 9)

❑ **Before playing a USB or an iPod** (☞page 11)
❑ **MP3 or WMA playback order of MP3 or WMA files** (☞page 11)

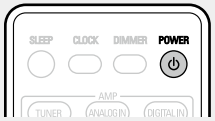
❑ **Playing MP3 and WMA files** (☞page 12)
❑ **Playing an iPod** (☞page 14)
❑ **Playing a USB memory device** (☞page 15)
❑ **Convenient functions** (☞page 16)

❑ **About system functions** (☞page 17)

Preparations

Before playing a USB or an iPod

1 **Turn the DCD-F109 power on. (☞page 8 "Turning the power on").**



2 **Connect USB memory device or iPod connection cable (☞page 5 "Connecting an iPod or USB memory device to the USB port").**
When the USB memory device or iPod is connected to the USB port on the DCD-F109, the source media mode automatically switches to "USB" and file playback begins.

The playback media mode setting remains in the memory, even when the power is set to standby.

MP3 or WMA playback order of MP3 or WMA files

When there are multiple folders containing MP3 or WMA 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.

❑ Playback order of folders

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.

Playing MP3 and WMA files

There are many music distribution sites on the Internet allowing you to download music files in MP3 or WMA (Windows Media® Audio) format. The music (files) downloaded from such sites can be stored on CD-R or CD-RW discs and played on the DCD-F109.

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

MP3 and WMA formats

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

❑ Writing software format

ISO9660 level 1
When written in other formats, it may not be possible to play the disc properly.

❑ Maximum number of playable files and folders

Total number of folders and files : 512
Number of folders : 256

❑ File format

MPEG-1 Audio Layer-3
WMA (Windows Media Audio)

❑ Tag data

ID3-Tag (Ver. 1.x and 2.x)
META-Tag
(Compatible with title, artist and album names)

Playable MP3/WMA file			
File format	**Sampling frequency**	**Bit rate**	**Extension**
MP3	32, 44.1, 48 kHz	32 ~ 320 kbps	.mp3
WMA	32, 44.1, 48 kHz	64 ~ 192 kbps	.wma

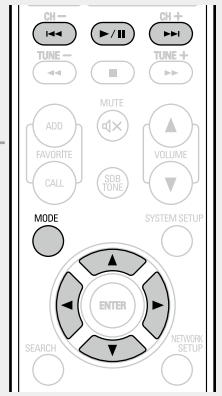
- Be sure to give files the extension ".MP3" or ".WMA". Files with any other extensions or with no extensions cannot be played.
- Recordings you have made should only be used for your personal enjoyment, and as per copyright laws may not be used in other ways without permission of the copyright holder.

Playing MP3 and WMA files

1 **Load a CD-R or CD-RW disc containing music files in the MP3 or WMA format into the disc tray (☞page 20).**

2 **Press MODE and select "Folder Mode" or "Disc Mode".**

Folder Mode ⟷ Disc Mode



【About the display】
- When "Folder Mode" is selected:
  "FLD" indicator lights.
- When "Disc Mode" is selected:
  "FLD" indicator turns off.

Folder Mode	All the files in the selected folder are played.
Disc Mode	After the selected folder and files are played, all the files in all the folders are played.

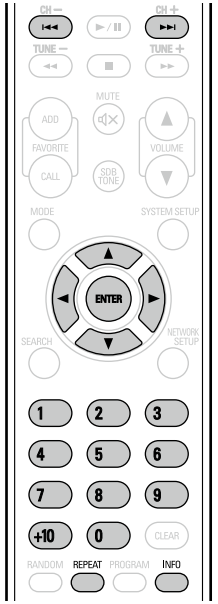
3 **Use △▽ to select the folder to be played.**

4 **Use ⏮◀◀, ▶▶⏭ or ◁ ▷ to select the file to be played.**

5 **Press ▶/II.**

❑ To switch the folder or file during playback

Folder
Use △▽ to select the folder, then press **ENTER**.
File
Use ◁ ▷ to select the file, then press **ENTER**.
Also use **I◀◀**, **▶▶I** to select the file, or use **0 – 9**, **+10** to select the file number.
- The folder and file numbers are set automatically when the disc is loaded.



- Copyright-protected files cannot be played. (The "Not Support" is displayed.)
- Depending on the application software used for writing, it may not be possible to write the data properly.
- Depending on the disc's recording conditions, it may not be possible to play some discs properly.

❑ Switching the display

During playback, press **INFO**.

File name → Title name / Artist name → Title name / Album name → File name

- The characters that can be displayed are as follows:

A ~ Z	a ~ z	0 ~ 9

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

❑ To play repeatedly

Press **REPEAT**.
Playback starts in the respective repeat mode.
- The selectable repeat modes differ in the "Folder Mode" and the "Disc Mode".

When "Folder Mode" is selected:

1 FLD (Single-track repeat) → FLD (Repeat of all the tracks in the folder) → FLD (Repeat off) → 1 FLD

When "Disc Mode" is selected:

1 (Single-track repeat) → ALL (All-track repeat) → Repeat off (indicator turns off) → 1

[Selectable items]
When "Folder Mode" is selected:

1 FLD	: Only the selected track is played repeatedly.
FLD	: All the files in the selected folder are played repeatedly.
FLD	: Folder mode playback resumes.

When "Disc Mode" is selected:
"Playing repeatedly (Repeat playback)" (☞page 9)

❑ Setting random playback

"Playing random order (Random playback)" (☞page 9)

Programmed playback is not possible with MP3/WMA discs.

Playing an iPod

With the DCD-F109, you can listen to music on an iPod. It is also possible to operate the iPod from the main unit or remote control unit.

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.
iPhone, iPod, iPod classic, iPod nano, iPod shuffle, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.
iPhone is a trademark of Apple Inc.

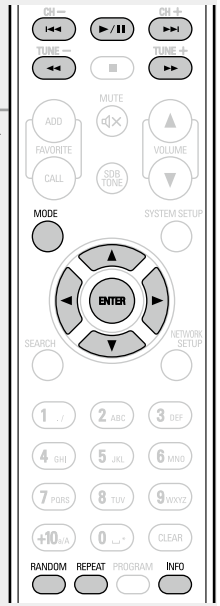
- Individual users are permitted to use iPhone, iPod, iPod classic, iPod nano, iPod shuffle, and iPod touch for private copy and playback of non-copyrighted contents and contents whose copy and playback is permitted by law. Copyright infringement is prohibited by law.

NOTE

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

1 Playback preparation (☞page 11 "Before playing a USB or an iPod").

2 Press MODE to select the display mode.
The mode switches each time the button is pressed.



[Selectable mode]		Browse mode	Remote mode
Display location		Main unit display	iPod display
Playable files	Audio file	○	○
	Video file	×	○
Active buttons	Remote control unit and main unit (DCD-F109)	○	○
	iPod	×	○

3-1 [When "Browse mode" is selected]
① Use △▽ to select the item, then press ENTER to select the music file to be played.
② Press ►/II.
Playback starts.

3-2 [When "Remote mode" is selected]
Operate iPod itself directly while seeing the iPod screen to play back music.

❑ Remote control and iPod button relations

Remote control unit buttons	iPod buttons	Operation on the DCD-F109
►/II	►II	Play the track / Pause the track.
I◄◄, ►►I	I◄◄, ►►I	Play the track from the beginning/ Play the next track.
◄◄, ►► Press and hold	I◄◄, ►►I Press and hold	Fast-reverse the track/Fast-forward the track.
△, ▽	Click Wheel	Select an item.
ENTER or ▷	Select	Enter the selection or plays the track.
MODE	–	Switch between the browse mode and the remote mode.
REPEAT	–	Switch the repeat function
RANDOM	–	Switch the shuffle function
◁	MENU	Display the menu or return to the previous menu.
■	–	Stop

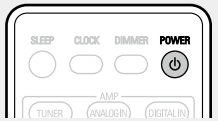
❑ To switch the display (Browse mode only)

During playback, press **INFO**.
The display switches each time the button is pressed.

Title name / Artist name ⟷ Title name / Album name

Disconnecting the iPod

1 Press POWER ⏻ to set the standby mode.



2 Disconnect the iPod cable from the USB port.

By pressing **POWER ⏻** while the power of this unit is on with iPod being connected, this unit enters the iPod charge standby mode, continuing to charge iPod. In this case, the power indicator lights in red. When iPod is fully charged, the power indicator lights off.

Playable USB memory formats

Files stored on USB memory devices created in the formats below can be played.

❑ 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 in a folder: 255
Maximum number of folders: 255

❑ File format

MPEG-1 Audio Layer-3
WMA (Windows Media Audio)

❑ Tag data

ID3-Tag (Ver.1.x and 2.x)
META-Tag
(Compatible with title, artist and album names)

Playable MP3/WMA file			
File format	**Sampling frequency**	**Bit rate**	**Extension**
MP3	32, 44.1, 48 kHz	32 ~ 320 kbps	.mp3
WMA	32, 44.1, 48 kHz	64 ~ 192 kbps	.wma

Only music files that are not copyright-protected can be played on this set.

- Contents downloaded from pay sites on the Internet are 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.

Playing USB memory device

1 **Playback preparation (☞page 11 "Before playing a USB or an iPod").**

2 **Press MODE and select "Folder Mode" or "Memory Mode".**

- When "Folder Mode" is selected: "FLD" indicator lights.
- When "Memory Mode" is selected: "FLD" indicator turns off.

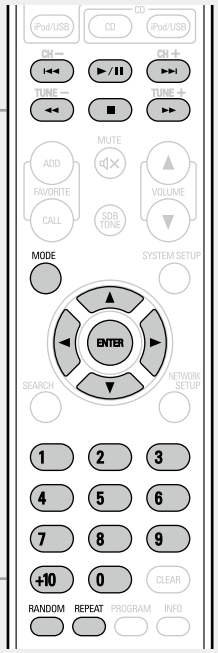
Folder Mode

All the files in the selected folder are played.

Memory Mode

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

3 **Use △▽ to select the folder to be played.**



4 **Use ◀◀, ▶▶ or ◁ ▷ to select the file to be played.**

5 **Press ▶/II.**

For details on the order of playback for files stored on a USB memory device, see "Playing MP3 and WMA files" (☞page 12).

❑ To switch the folder or file during playback

- **Folder**
  Use △▽ to select the folder, then press **ENTER**.
- **File**
  Use ◁ ▷ to select the file, then press **ENTER**.
  Use ◀◀, ▶▶ to select the file, or use **0 – 9**, **+10** to select the file number.
- The folder and file numbers are set automatically when the USB memory device is loaded.

❑ Stopping playback

Press ■.

❑ Stopping playback temporarily

Press ▶/II.
The II is displayed.

- To resume playback, press ▶/II.

❑ Fast-forwarding and fast-reversing (searching)

During playback, press and hold in ◀◀, ▶▶.

❑ Playing repeatedly

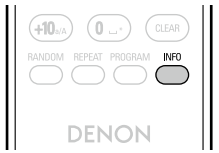
Press **REPEAT**.

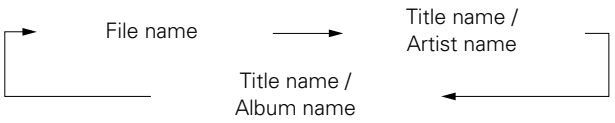
❑ Playing random order

In the stop mode, press **RANDOM**.

❑ Switching the display

During playback, press **INFO**.





• The characters that can be displayed are as follows:

A ~ Z	a ~ z	0 ~ 9

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

NOTE

- DENON will take no responsibility whatsoever for any loss or damage to data on USB memory devices when using the USB memory device connected to the DCD-F109.
- USB memory devices will not work via a USB hub.
- DENON does not guarantee that all USB memory devices will operate or be suppled power. When using a USB connection type portable hard disk of the type for which power can be supplied by connecting an AC adapter, we recommend using the AC adapter.

Convenient functions

Auto power on

When the power is in standby, the power turns on when any of the buttons below other than ⏻ on the main unit is operated, and the respective operation is performed.

- ⏏ (on the main unit)·····The disc tray opens.
- ▶/❚❚ (on the main unit)·····Playback starts.

Auto standby

With the Auto standby ON, this unit will automatically enter the standby mode after about 30 continuous minutes of stop mode with no operation.

- The default setting for the Auto Standby mode is "ON".

While the power is on, press and hold ■ on this unit for 5 seconds.

"MODE : ON" is displayed.

- When you press and hold ■ on this unit for 5 seconds again, this unit exits the standby mode.

Last function memory

The playback media mode set directly before the power was set to standby is stored in the memory.
When the power is turned back on, the mode is set to the playback media mode set when the power was switched to standby.

For a description of the system functions available when system connections are made between the DCD-F109 and DRA-F109 (receiver, sold separately), see "System functions" (☞page 17).

About system functions

NOTE

Do not connect any of the past models to this unit with a system cable because they are incompatible.

Device supporting system connections (sold separately)

DRA-F109 (STEREO RECEIVER)

With system functions, operations are controlled by the DRA-F109.
Be sure to connect the DRA-F109 using system connections.

What you can do with the system functions

When system connections are made between the DCD-F109 and DRA-F109 (stereo receiver, sold separately), the operations described below can be performed.

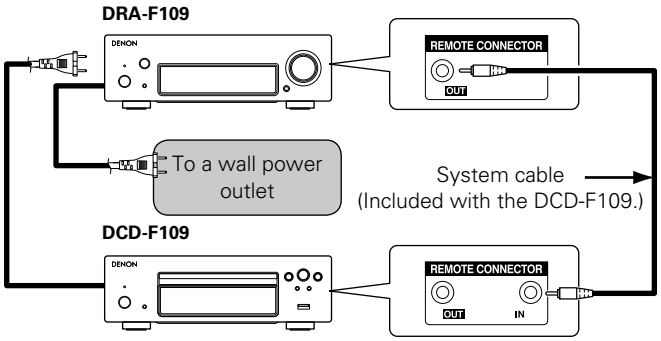
- ❑ **The DCD-F109 can be operated using the remote control unit included with the DRA-F109.**
- ❑ **Auto power on function**
  (☞page 17 "System functions")
- ❑ **Alarm function**
  (☞page 17 "System functions")
- ❑ **Auto standby function**
  (☞page 17 "System functions")

Making system connections

In addition to connection of the audio cables, also connect the system cable.
Also, connect the DCD-F109's power cord to the AC outlet on the DRA-F109 (stereo receiver, sold separately).

NOTE

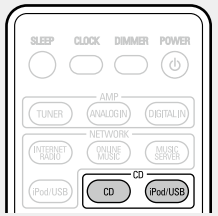
Be sure to plug the DRA-F109's power cord into a wall power outlet.



System functions

Auto power on function

When CD or iPod/USB (CD) is pressed, the power of the respective devices turns on and the DRA-F109's source switches automatically.



Alarm function

Playback can be performed at a set time using the DRA-F109's alarm function.

- For details, see the owner's manual of the DRA-F109 (stereo receiver, sold separately).

Auto standby function

When you set the auto standby function to ON for either of DRA-F109 or DCD-F109, the auto standby function works on the entire F109 system.

For the auto standby function, see page 16.

Informations

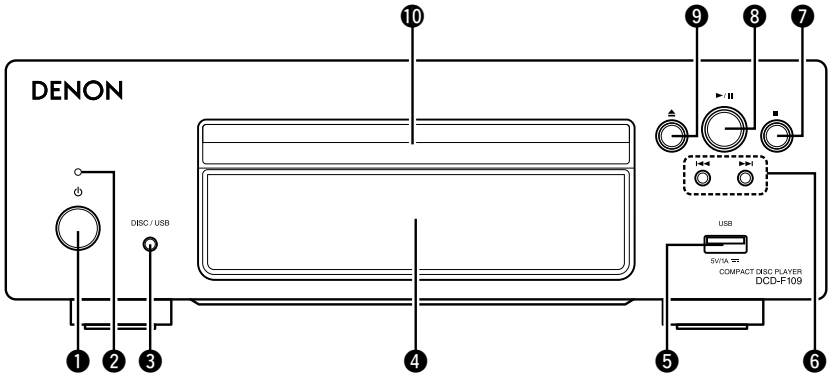
Here, we list various information related to this unit.
Please refer to this information as needed.

- **Part names and functions** ☞page 19
- **Other information** ☞page 20
- **Troubleshooting** ☞page 21
- **Specifications** ☞page 23
- **Index** ☞page 23

Part names and functions

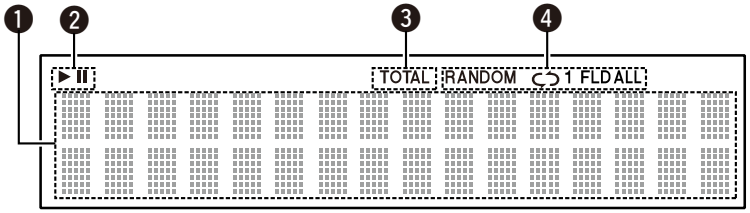
For buttons not explained here, see the page indicated in parentheses ( ).

Front panel



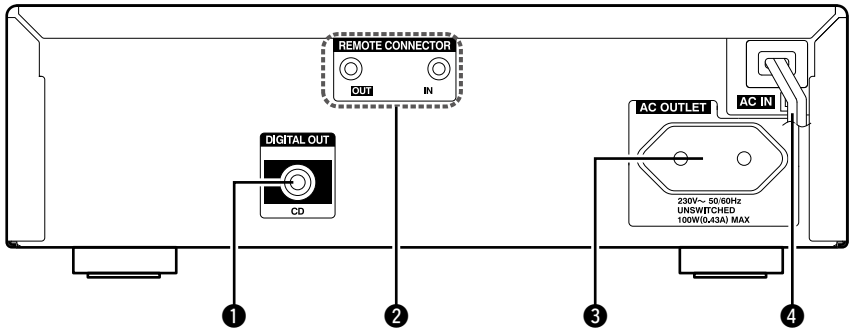
1. **Power operation switch (⏻)** ..... (8)
2. **Power indicator** ..... (8)
3. **Media mode button (DISC/USB)** ..... (8)
4. **Display**
5. **USB port** ..... (5)
6. **Skip buttons (I◄◄, ►►I)** ..... (9, 12, 14, 15)
7. **Stop button (■)** ..... (9, 15, 16)
8. **Play/Pause button (►/II)** ..... (9, 12, 14, 15)
9. **Disc tray open/close button (⏏)** ..... (8, 16)
10. **Disc tray** ..... (20)

Display



1. **Information display**
   Various information is displayed here, depending on the operation mode.
2. **Playback mode indicators**
   ► :During Playback
   II :During pause
3. **Total time indicator**
   Lights when the total number of tracks and total time of the CD are displayed.
4. **Play mode indicator**

Rear panel



1. **Digital audio output connector (DIGITAL OUT)** ..... (4)
2. **REMOTE CONNECTOR jack** ..... (17)
3. **AC outlet (AC OUTLET)** ..... (6)
4. **Power cord** ..... (6)

Discs

Discs playable on this unit

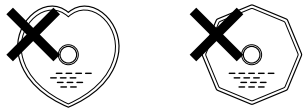
❶ Music CDs

Discs marked with the logotype below can be played in this unit.

❷ CD-R/CD-RW

NOTE

- Discs in special shapes (heart-shaped discs, octagonal discs, etc.) cannot be played. Do not attempt to play them, as doing so can damage the unit.
- Some discs and some recording formats cannot be played.
- Non-finalized discs cannot be played.
- What is finalization?
  Finalization is the process that makes recorded CD-R/CD-RW discs playable on compatible players.



Holding discs

Do not touch the signal surface.

Cautions on loading discs

- 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.

Loading discs

- Set the disc with the labeled side facing up.
- Make sure the disc tray is fully open when inserting the disc.
- Place the discs flatly, 12 cm discs in the outer tray guide (Figure 1), 8 cm discs in the inner tray guide (Figure 2).

Figure 1

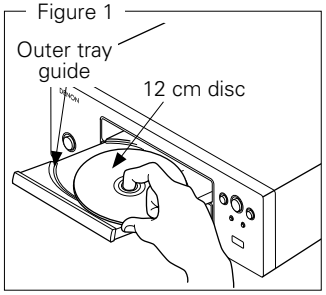
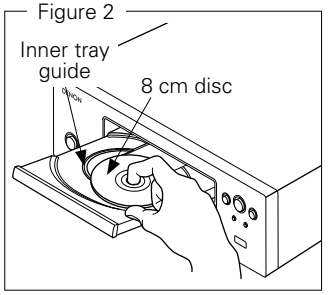


Figure 2



- 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

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

Cautions on handling

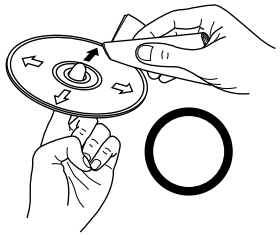
- Do not get fingerprints, oil or dirt on discs.
- Take special care not to scratch discs when removing them from their cases.
- Do not bend or heat discs.
- Do not enlarge the hole at the center.
- Do not write on the labeled (printed) surface with ball-point pens, pencils, etc., or stick new labels on discs.
- Water droplets 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 them off using a hairdryer, etc.

Cautions on storing discs

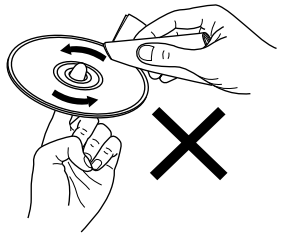
- Be sure to remove discs after using them.
- Be sure to store discs in their cases to protect them from dust, scratches, warping, etc.
- Do not store discs in the following places:
  1. Places exposed to direct sunlight for long periods of time
  2. Dusty or humid places
  3. Places exposed to heat from heating appliances, etc.

Cleaning discs

- If there are fingerprints or dirt on discs, wipe them off before using the disc. Fingerprints and dirt can impair sound quality and cause interruptions in playback.
- 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, or benzene, thinner or other solvents.

Explanation terms

B

Bit rate
This expresses the read amount per 1 second of video/audio data recorded in a disc.

F

Finalize
This is processing that enables playing back of disc of CD, which was recorded using a recorder, by other players.

M

MP3 (MPEG Audio Layer-3)
This is an internationally standardized audio data compression scheme, using the "MPEG-1" video compression standard. It compresses the data volume to about one eleventh its original size while maintaining sound quality 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 audio compression technology developed by Microsoft Corporation.
WMA data can be encoded using Windows Media® Player Ver.7, 7.1, Windows Media®Player for Windows® XP and Windows Media® Player 9 Series.
To encode WMA files, only use applications authorized by Microsoft Corporation. If you use an unauthorized application, the file may not work properly.

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 components 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.

[General]

Symptom	Cause	Countermeasure	Page
When the power is turned on, the power indicator does not light and no sound is produced.	• Connection of the power cord is faulty.	• Check that the power plugs are securely inserted into the wall power outlet.	6
The power indicator lights but no sound is produced.	• The amplifier is not set to the proper function (input). • The volume is set too low.	• Switch to the correct function (input). • Adjust the volume to an appropriate level.	– –
Power automatically switches to standby mode.	• Auto standby function is set to ON.	• To disable the auto standby function.	16

[Remote Control Unit]

Symptom	Cause	Countermeasure	Page
Set does not work properly when remote control unit operated.	• The system cable between the DCD-F109 and DRA-F109 is not properly connected.	• Connect securely.	17
	• Batteries are worn.	• Replace with new batteries.	–
	• You are operating outside of the specified range.	• Operate the remote control unit within a distance of about 7 meters and an angle of 30° from the DRA-F109.	–
	• Obstacle between main unit and remote control unit.	• Remove the obstacle.	–
	• The batteries are not inserted in the proper direction, as indicated by the polarity marks in the battery compartment.	• Insert the batteries in the proper direction, following the polarity marks in the battery compartment.	–
	• 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.	–

【CD】

Symptom	Cause	Countermeasure	Page
Disc tray does not open.	• The power is not on.	• Turn on the power.	8
"NO DISC" is displayed even though a disc is loaded.	• The disc is not properly loaded.	• Reload the disc.	20
"00Tr 00:00" is displayed even though a disc is loaded.	• There is an unusable disc loaded in the DCD-F109.	• Load an audio CD or a CD-R/-RW disc on which MP3/WMA files are recorded.	20
Playback does not start even when the ▶/❚❚ button is pressed.	• The disc is dirty or scratched. • The playback media mode is set to "USB". • The input source on DRA-F109 is not "CD/USB".	• Wipe the dirt off the disc or replace the disc. • Switch the playback media mode to "DISC". • Switch the input source to "CD/USB".	20 8 –
A specific section of the disc cannot be played properly.	• The disc is dirty or scratched.	• Wipe the dirt off the disc or replace the disc.	20
Programmed playback is not possible.	• The tracks have not been programmed properly. • Programmed playback is not possible with MP3 and WMA files.	• Program properly. • Use an audio CD.	10 –
A CD-R or CD-RW disc cannot be played.	• The disc has not been finalized. • The recording conditions are bad or the quality of the disc itself is poor.	• Finalize the disc then play it. • Use a properly recorded disc.	20 –
Files recorded in MP3 or WMA format cannot be played.	• You have selected a copyright-protected WMA file or a file that cannot be played normally.	• Press the ⏮ or ⏭ button to select a different file.	12, 13

【iPod】

Symptom	Cause	Countermeasure	Page
iPod cannot be played.	• The playback media mode is set to "DISC". • Cable is not properly connected.	• Switch the playback media mode to "USB". • Reconnect.	8 5

【USB】

Symptom	Cause	Countermeasure	Page
When a USB memory device is connected, "00Tr 00:00" is displayed instead of the folder names, etc.	• The set cannot recognize a USB memory device. • A USB memory device not conforming to mass storage class or MTP standards is connected. • A USB memory device that the set cannot recognize is connected. • USB memory device is connected via USB hub.	• Check the connection. • Connect a USB memory device conforming to mass storage class or MTP standards. • This is not a malfunction. DENON does not guarantee that all USB memory devices will operate or receive power. • Connect the USB memory device directly to the USB port.	5 – – –
Files on a USB memory device cannot be played.	• The playback media mode is set to "DISC". • USB memory device is in format other than FAT16 or FAT32. • USB memory device is divided into multiple partitions. • Files are stored in a non-compatible format. • You are attempting to play a file that is copyright protected. • The input source on DRA-F109 is not "CD/USB".	• Switch the playback media mode to "USB". • Set the format to FAT16 or FAT32. For details, refer to the USB memory device's operating instructions. • When divided into multiple partitions, only files stored in the top partition can be played. • Record the files in a compatible format. • Files that are copyright protected cannot be played on this set. • Switch the input source to "CD/USB".	15 15 15 15 15 –

Specifications

❑ CD section

- **Digital output**

Output level (coaxial): 0.5 Vp-p, 75 Ω

❑ General

Power supply: AC 230 V, 50/60 Hz

Power consumption: 25 W
0.3 W (Standby)

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

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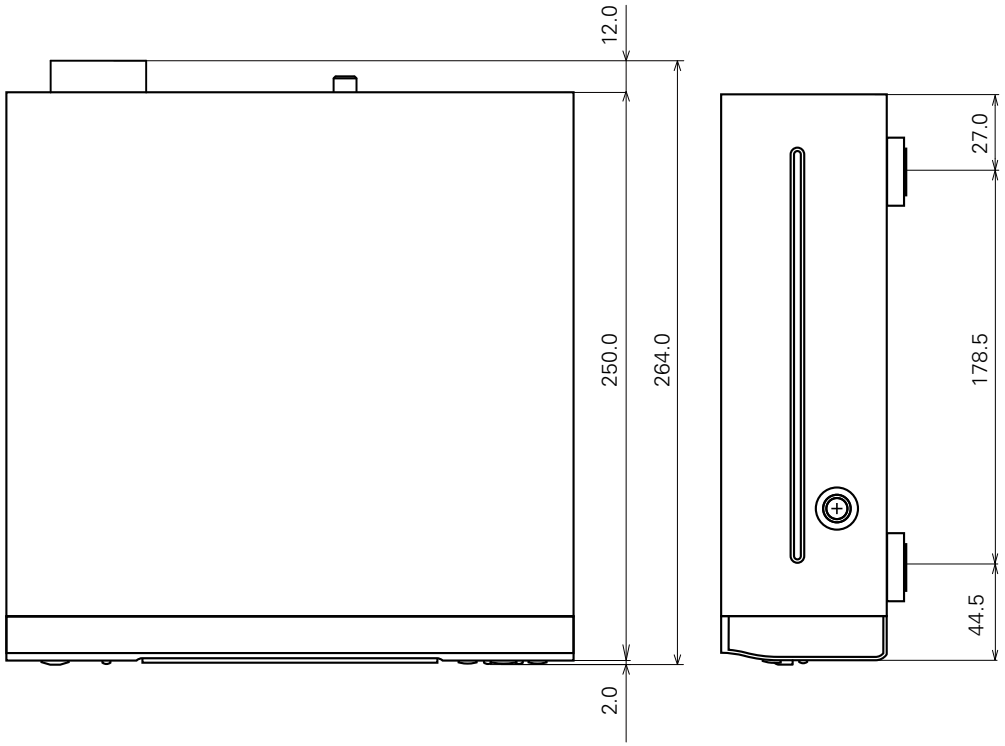
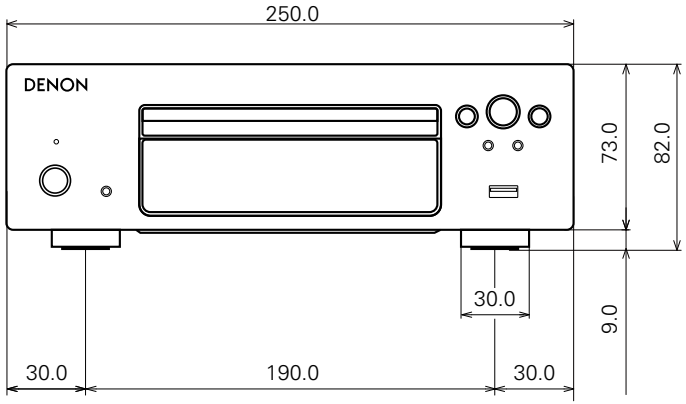
Dimensions

Unit : mm





Weight : 2.8 kg

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V00

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3520 10153 00AD