Compact Disc Compact Player

Operating Instructions

About area code

The area code of the player you purchased is shown on upper left of the bar $\,$ code label on the package

For accessories supplied with your player, check the area code of your model and refer to "Supplied accessories" toward the end of this manual



D-E551 D-F555 **D-E556CK** D-E559CK

Sony Corporation ©1999 Printed in Malaysia

Welcome!

Thank you for purchasing the Sony Compact Disc Compact Player. Before operating your player, please read this manual and retain it for future reference.

About this manual

The instructions in this manual are for the D-E551, D-E555, D-E556CK and D-E559CK Before you start reading, check your model

Owner's Record

the bottom. Record these numbers in the spaces call upon your Sony dealer regarding this

Serial No._

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

The use of optical instruments with this product

For the customers in the USA

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonab protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause narmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following

- Reorient or relocate the receiving antenna. Increase the separation between the equipment
- and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver
- Consult the dealer or an experienced radio/TV

technician for help. You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this

For the customers in Australia

The supply cord of the AC power adaptor cannot be replaced; if the cord is damaged, the AC power adaptor should be discarded

For the customers not in Poland

The **B** mark on the unit is valid only for products marketed in Poland.

For the customers not in Europe

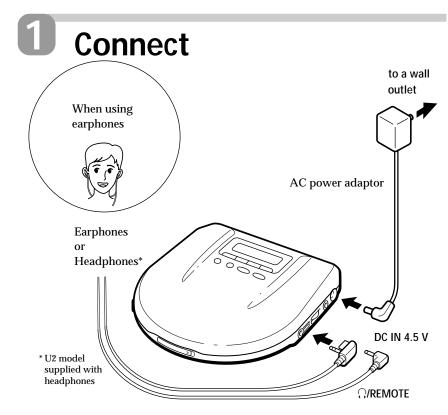
The CE mark on the unit is valid only for products market. only for products marketed in the

For the customers not in Russia The mark on the unit and package is

valid only for products marketed in

Playing a CD right away!

If you want to play a CD right now, choose to use your player on house current. Other choices are the following three: rechargeable battery, dry batteries (see "Power Sources" on the reverse side) and car battery.



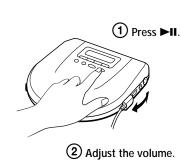
For models supplied with the AC plug adaptor

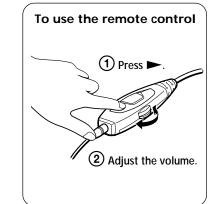
For models supplied with the remote control

- Connect the plug of the earphones/headphones to the remote control.
 Connect the earphones/headphones to the remote control firmly. A loose connection may
- cause noise during playback.

Place a CD Label side up 1 Slide OPEN to open the lid. 2 Fit the CD to the pivot.

Play





(3) Close the lid.



To stop play, press ■.

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o	Press
Pause (main unit only)	►II
Resume play after bause (main unit baly)	►II

Find the beginning **◄** repeatedly**

Find the beginning of the next track

Find the beginning

of the current track

(AMS*)

Find the beginning ►► repeatedly* tracks (AMS)

Hold down ►►I** quickly

Go backwards Hold down ► .** quickly

*AMS = Automatic Music Sensor **These operations are possible during both play and pause.

If you press REPEAT/ENTER on the player to display " , you can locate the tracks continuously in the following order:

- When using $\triangleright \vdash$: next track \rightarrow next track last track → first track → second track
- When using ◄
 previous track →

To remove the CD Remove the CD while pressing the pivot.



Notes on controlling the volume with the remote control

Set the VOL (volume) control on the remote control to the maximum. Then adjust the volume on the player to the level that you want to be the maximum volume of the

Notes on display

- When you press ►II or ► (when RESUME is set to OFF), the total number of tracks in the CD and the total playing time appear for about 2 seconds.
- · During play, the track number and the elapsed playing time of the current track
- appear.During pause, the elapsed playing time
- flashes in the display.

 Between tracks, the time to the beginning of the next track will appear with the

Notes on handling CDs

- To keep the CD clean, handle it by its edge. Do not touch the surface.
- Do not stick paper or tape onto the CD.
 Do not expose the CD to direct sunlight or heat sources such as hot air ducts. Do not

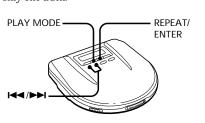




▶Other Operations

Playing tracks repeatedly (Repeat Play)

You can play tracks repeatedly in normal, INTRO PGM, shuffle or RMS (Random Music Sensor) play modes. Repeat all the tracks or



To repeat all the tracks Press REPEAT/ENTER during play. The " \(\sigma \)" indication appears.



To cancel repeat play, press REPEAT/ENTER

To repeat a single track

1 Press REPEAT/ENTER while the track you The " Tindication appears.



2 Press PLAY MODE repeatedly until "1"

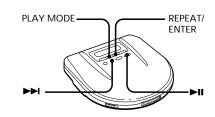


To repeat another track, press ◄ or ▶►

To cancel repeat play, press REPEAT/ENTER

Playing only the tracks you want (INTRO PGM Play)

You can choose and play your favorite tracks by scanning through the beginning of each track in a CD.



1 During play, press PLAY MODE



- **2** Press ►II to start scanning. The player plays about the first 15 seconds of each track and "INTRO PGM"
- **3** Press REPEAT/ENTER while the track you want is playing. To skip the track, press ▶▶ or just wait for the next track.

After you have gone through the CD, "INTRO PGM" stops flashing and the tracks you have chosen play automatically.

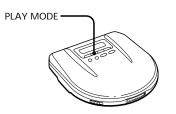
To finish programing before going through the whole CD, press ►II. The selected tracks will be played.

If you press ■, the program will be erased. To prevent accidental erasure, set the RESUME switch at the rear of the player to

To cancel INTRO PGM play, press PLAY MODE repeatedly until the play mode indication disappears from the display

Playing tracks in random order (Shuffle Play)

You can play the tracks in a CD in random



During play, press PLAY MODE repeatedly until "SHUF" appears. The tracks play in random order.

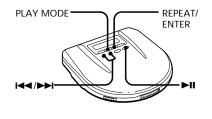


To cancel shuffle play, press PLAY MODE repeatedly until the play mode indication disappears from the display

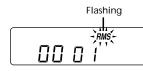
• During shuffle play, you cannot return to previous tracks by pressing ►

Playing tracks in the order you want (RMS play)

You can program up to 22 tracks to play in any order you choose



1 During play, press PLAY MODE



*RMS = Random Music Senso

2 Press **◄** or **▶** to choose a track. The track number and the playing order

Track number Flashing



3 Press REPEAT/ENTER to program the

4 Repeat steps 2 and 3 to program the remaining tracks.

5 Press ►II

"RMS" stops flashing and the tracks you have chosen play in the order you

If you press \blacksquare , the program will be erased. To prevent accidental erasure, set the RESUME switch at the rear of the player to ON.

To cancel RMS play, press PLAY MODE until "RMS" disappears from the display.

To check the program

During program Press REPEAT/ENTER before step 5. During RMS play:

Press PLAY MODE repeatedly until "RMS" flashes, then press REPEAT/ENTER. Each time you press REPEAT/ENTER, the track number and the playing order appear in the order you specified.

• If you program another track after the 22nd track, the first track programed is cleared and the new track is programed instead.

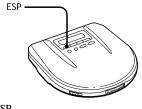
Using other functions

To minimize skipping (ESP2) The ESP (Electronic Shock Protection)

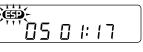
function minimize skipping by using a buffer memory that stores music data and plays it back in the event of a shock. The new ESP^2 (ESP Squared) system uses a

new DSP (Digital Signal Processor) which can read and store music data more efficiently, providing a level of continuous skip protection not found in traditional buffer memory units. This decreases the frequency of sound skipping and the need to utilize the buffer memory. Use this function when listening in a car or while walking.* * Although ESP² provides excellent protection

against skipping, it will not prevent skipping while jogging or running.



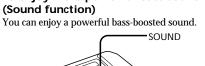
Press ESP. The ESP indication appears.



To release the ESP function, press ESP again.

- Playing may stop when the player gets a strong shock even with the ESP function
- You may hear a noise or sound skip when:
- listening to a dirty or scratched CD,
 listening to an audio test CD or, the player receives continuous shock.
 Sound may drop for a while if you press ESP
- during play.
 When you use an optical digital connecting

cord, the ESP function will be disabled To enjoy more powerful bass sound



Press SOUND to select "MB (Mega Bass)" or "GRV (Groove)." "GRV" is more effective.

• If the sound is distorted when emphasizing bass, turn down the volume

To lock the buttons

You can lock your player against any accidental operations. You can still operate the player with the

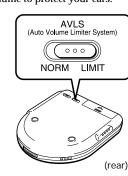


Slide HOLD in the direction of the arrow When you press any button, "Hal d" appears in the display and you cannot operate the player.

To unlock, slide HOLD back

Continue to the reverse side >

To protect your hearing (AVLS) The AVLS (Automatic Volume Limiter System) function keeps down the maximum volume to protect your ears



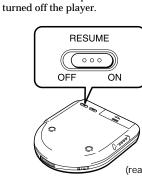
Set AVLS to LIMIT. The AVLS indication appears



• If you use the SOUND function and the AVLS function at the same time, sound may be distorted. If this happens, turn down the

To resume playing from the point you stopped the CD (Resume Play) Normally, every time you stop and play, playing starts from the beginning of the CD. The resume play function, however, lets you

listen to from the point at which you last



Set RESUME to ON.

To cancel resume play, set RESUME to OFF.

• Even if RESUME is set to ON, playing starts

from the beginning when you open the lid. The resume point may be inaccurate by about

To turn off the beep

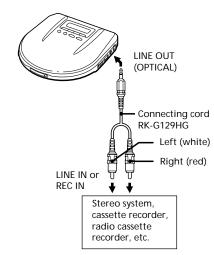
You can turn off the beep that sounds as you operate your player.

Disconnect the power source (AC power adaptor, rechargeable battery or alkaline batteries). While you press and hold down ■, connect the power source again. To make the beep sound again, disconnect the power source, and then connect it without pressing

Connecting to other stereo equipment

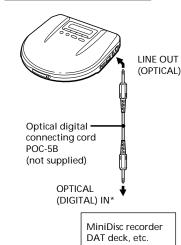
You can listen to the CD through other stereo equipment or record a CD on a cassette tape or a MiniDisc. Refer to the instruction manual of the other equipment for details. Before making connections, turn off each piece of equipment

Using the connecting cord



• When you use a connecting cord, the SOUND function will be disabled.

Using the optical digital connecting cord



*If the OPTICAL (DIGITAL) IN jack is squareshaped, use the POC-5AB optical digital

Notes on connecting to other stereo

ecting cord instead.

- Before you play the CD, turn down the volume of the connected equipment so as not to damage the connected speakers.
- The beep sound is not output from the LINE OUT (OPTICAL) jack.
- When you connect other equipment to the LINE OUT (OPTICAL) jack of this player,
- When you record a CD on a cassette tape using a tape recorder that has the blank search function, release the ESP function. If the ESP function is on, the blank search function does not work.
- Use the AC power adaptor for recording. If you use the rechargeable batteries or dry batteries as a power source, batteries may become weak during recording.

Recording with optical digital connection

Record a CD on a MiniDisc. DAT, etc., according to the following procedure.

- 1 Press II on the player to start play
- 2 Press ►II again to pause.
- 3 Press ► / ► to select the track you want to
- 4 Press (record) on the MiniDisc recorder
- 5 Press ►II on the player to release pause.

Notes

- Connect the optical digital connecting cord while the player is in stop mode.

 • If you record without pausing the player, some
- CD may have problem with recording the first track number correctly. The SOLIND function works on the output
- from the \(\infty\)/REMOTE jack, but does not work on that from the LINE OUT (OPTICAL) jack
- When use an optical digital connecting cord, the ESP function will be disabled.

Playing a CD in a car

You can use your player in a car by connecting it to the car cassette deck

You cannot use the car mount plate for this

When you use the player in a car, install it securely in a location which does not interfere

To connect your player to a car cassette deck, you need the following accessories • Car connecting pack CPA-9

- Car battery cord DCC-E245
- Car battery cord with car connecting pack DCC-E26CP Refer to the instruction manual of each accessory for details.

Notes

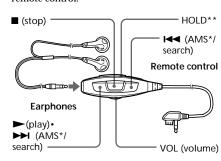
- Do not put the player on the dashboard. · Do not leave the player in a car parked under
- Use a Sony car connecting pack for reducing
- Use only the car battery cord listed in the optional accessories. If you use any other car battery cord, smoke, fire or malfunction may

Switched ignition function (when using the car battery cord) With this feature, your player stops automatically when you turn off the engine of the car. (This function is not possible with some cars depending on the model)

Using the remote control

For the customers supplied with the remote control:

You can use the remote control as the wired remote control.



- * Automatic Music Sensor
- * When you are not using the remote control slide HOLD in the direction of the arrow to prevent any accidental operations To unlock, slide HOLD back.

• Use only the supplied remote control. You cannot operate this player with the remote control supplied with other models

▶Power Sources

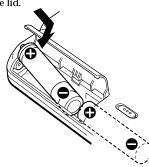
Using rechargeable batteries

Charge the rechargeable batteries before Use the NH-DM2AA or NC-DMAA rechargeable batteries for this player. You cannot use any other rechargeable batteries.

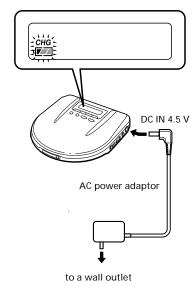
1 Open the lid of the battery compartment.



2 Insert two rechargeable batteries by matching the \oplus and \ominus to the diagram inside the battery compartment and close



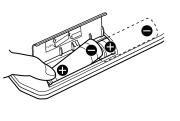
3 Connect the AC power adaptor The indication "CHG" lights up. Charge for about 4 hours. (If the battery has been already charged, "CHG" and 🚾 flash.)



4 When fully charged, "CHG" disappears. Disconnect the AC power adaptor

To take out the rechargeable batteries

Take out the batteries in the proper way as illustrated inside the lid or shown below



When to charge the rechargeable batteries When the rechargeable batteries become

weak, 🖼 indication appears in the display. If the "Lo $b \partial t t$ " appears in the display, charge the rechargeable batteries, because the batteries are used up. To keep the original battery capacity for a

long time, recharge the batteries when the batteries are used up (discharged).

When carrying the rechargeable battery

Make sure to use the supplied battery carrying case (D-E555 only) or optional battery carrying case (supplied with the rechargeable battery). If you carry the rechargeable battery with a metal object, short circuit, smoke or fire may

occur.

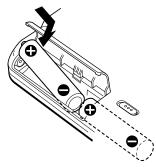
- Charging time varies depending on how the rechargeable battery is used.

 • If the battery is new or has not been used for a
- long time, it may not be charged completely until you charge and discharge it several times.
- If the battery life becomes shorter by about half, replace it with Sony NH-DM2AA/NC-DMAA rechargeable battery. Do not use any other rechargeable battery.

Using dry batteries

Insert the batteries properly in the same way as the rechargeable batteries.

- 1 Disconnect the AC power adaptor and open the lid of the battery compartment.
- 2 Insert two LR6 (size AA) alkaline batteries by matching the \oplus and \ominus to the diagram inside the battery compartment and close the lid.



• Do not use manganese batteries for this player

To take out the dry batteries Take out the batteries properly in the same way as the rechargeable batteries.

When to replace the dry batteries When the battery becomes weak, indication appears in the display. If the batteries are used up, "Lo batt" appears in

the display. Replace all the batteries with new

- Do not charge the dry batteries.
- Do not mix new batteries with old ones. Do not use different types of batteries together
- time, remove them.
- If the battery leakage occurs, wipe off any deposit in the battery compartment, and install

Battery life (approx. hours) (EIAJ*) Battery life varies depending on how the player is used.

when using	off on		
Two NH-DM2AA (charged for about 4 hours**)	12	11	
Two NC-DMAA (charged for about 4 hours**)	7	6	
Two Sony alkaline batteries LR6SG	20	18	

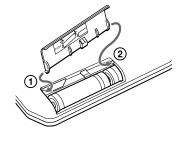
(When you use the player on a flat and stable place; When you do not use the optical digital connecting cord) *Charging time varies depending on how the rechargeable battery is used

*Measured value by the standard of EIAI

(Electronic Industries Association of Japan)

How to attach the battery compartment lid

If the battery compartment lid is detached by an accidental drop, excessive force, etc., attach it as illustrated in the numbered order.



► Additional Information

Precautions

On safety

- Should any solid objects or liquid fall into the player, unplug it and have it checked by qualified personnel before operating it any
- Do not put any foreign objects in the DC IN 4.5 V (external power input) jack

On power sources

· When you are not using the player for a long time, disconnect all power sources from the

On the AC power adaptor

• Use only the supplied AC power adaptor. If your player is not supplied with it, use AC-E45HG AC power adaptor. Do not use any

Polarity of the plug



• To unplug the AC power adaptor from the wall outlet, grasp the adaptor itself, do not pull its

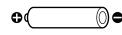
On dry and rechargeable batteries

This player is designed so that it cannot charge any other rechargeable batteries or dry batteries

Rechargeable batteries NH-DM2AA/NC-DMAA



Other rechargeable batteries or dry batteries



When you replace the rechargeable batteries with new ones, make sure to use the NH-DM2AA/ NC-DMAA rechargeable batteries.

- · Do not throw the batteries into fire. Do not carry the batteries with coins or other metallic objects. It can generate heat if the positive and negative terminals of the battery are accidentally contacted by a metallic object · Do not mix rechargeable batteries with dry

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- On the player
 Keep the lens on the player clean and do not touch it. If you do so, the lens may be damaged and the player will not operate
- Do not put any heavy object on top of the player. The player and the CD may be
- Do not leave the player in a location near heat
- sources, or in a place subject to direct sunlight, excessive dust or sand, moisture, rain, mechanical shock, unleveled surface, or in a car with its windows closed.
- If the player causes interference to the radio or television reception, turn off the player or
- move it away from the radio or television · Do not wrap the player in a cloth or blanket during use as it may cause malfunction or

On headphones/earphones

Road safety
Do not use headphones/earphones while driving, cycling, or operating any motorized vehicle. It may create a traffic hazard and is illegal in some areas. It can also be potentially dangerous to play your headsets at high volume while walking, especially at pedestrian crossings. You should exercise extreme caution or discontinue use in potentially hazardous

Preventing hearing damage

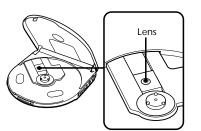
Avoid using headphones/earphones at high volume. Hearing experts advise against continuous, loud and extended play. If you experience a ringing in your ears, reduce volume

Caring for others

Keep the volume at a moderate level. This will allow you to hear outside sounds and to be considerate to the people around you.

Maintenance

To clean the lens Clean the lens with a lens cleaning kit KK-DM1.



To clean the casing Use a soft cloth slightly moistened in water or a mild detergent solution. Do not use alcohol, benzine or thinner

Troubleshooting

Should any problem persist after you have made these checks, consult your nearest Sony dealer.

The CD does not play or "no dl 50" appears in the display though a CD is placed in the player.

→ The CD is dirty or defective → Insert the CD with the label side up.

→ The lens is dirty.

outlet securely

- → Moisture condensation has occurred. Leave the player aside for several hours until the moisture evaporates.
- → Close the lid of the player and the battery compartment firmly
- → Make sure the batteries are inserted
- When you press ►II, "00" appears in

→ Connect the AC power adaptor to a wall

the display for a moment, and disappears. The CD does not play. Rechargeable battery or dry batteries are used up. Charge the rechargeable battery

or replace dry batteries with new ones.

No sound, or noise is heard.

- → Connect the plugs firmly.→ Plugs are dirty. Clean the plugs with a dry
- soft cloth periodically "HI dc In" appears in the display.
- supplied).

 → Use only the car battery cord listed in the optional accessories.

→ Use only the supplied AC power adaptor or AC power adaptor AC-E45HG (not

"Hol d" appears in the display when you press a button. → The buttons are locked. Slide HOLD back.

when you press a button.

with new ones

NORM.

REMOTE jack.

stereo equipment

Specifications

CD player section

Laser diode properties

Error correction

D-A conversion

Material: GaAlAs

Wavelength: $\lambda = 780 \text{ nm}$

Emission duration: Continue

1-bit quartz time-axis control

Headphones (stereo minijack)

Line output (stereo minijack)

Output level: -21 - -15 dBm

Power requirements
For the area code of the model you purchased

check the upper left side of the bar code on the

 Two Sony NH-DM2AA rechargeable batteries: 2.4 V DC Two Sony NC-DMAA rechargeable

• Two LR6 (size AA) batteries: 3 V DC

• AC power adaptor (DC IN 4.5 V jack): U2/CA2/E92 model: 120 V, 60 Hz

CED/CEX/CET/EE1/E13 model:

CEK model: 230 - 240 V, 50 Hz

AU2 model: 240 V, 50 Hz

HK2 model: 220 V, 50/60 Hz

Approx. $131.8 \times 23.9 \times 142.0 \text{ mm}$ (5 $\frac{1}{4} \times \frac{31}{32} \times 5 \frac{5}{8} \text{ in.}$)

Mass (without rechargeable batteries)

CN2/AR1 model: 220 V. 50 Hz

EA3 model: 110 - 240 V. 50/60 Hz

JE.W/E33 model: 100 - 240 V. 50/60 Hz

• Sony DCC-E245 car battery cord for use on

Dimensions (w/h/d) (without projecting parts

batteries: 2.4 V DC

220 - 230 V, 50/60 Hz

car battery: 4.5 V DC

Approx. 200 g (7.0 oz)

Operating temperature 5°C - 35°C (41°F - 95°F)

and controls)

Output (at 4.5 V input level)

at 16 ohms

General

The battery life is short.

→ The rechargeable batteries are used up

completely. Connect the AC power

→ The dry batteries are use up. Replace them

→ Manganese batteries are used. Use alkaline

adaptor and charge the batteries.

→ Replace the batteries with new ones.

The volume is limited to a certain

level even if you attempt to turn it

→ AVLS selector is set to LIMIT. Set it to

→ The earphones are connected to the LINE OUT jack. Connect them to the □/

During recording with optical digital

→ Record the track number again using the

MiniDisc recorder, DAT recorder, etc.

→ Record again according to the procedure

shown in the section "Connecting to other

connection, the track number

cannot be recorded correctly.

Compact disc digital audio system

Laser output: Less than 44.6 µW (This output

is the value measured at a distance of 200 mm from the objective lens surface on the optical

Sony Super Strategy Cross Interleave Reed Solomon Code

Frequency response 20 - 20,000 Hz ½ dB (measured by EIAJ CP-

Approx. 15 mW + approx. 15 mW

Output level 0.7 V rms at 47 kilohms

Recommended load impedance over 10

Optical digital output (optical output connector)

pick-up block with 7 mm aperture.)

package. D-E551 "Lo b∂tt" appears in the display

AC power adaptor (1)

Headphones (1)

AC power adaptor (1)

Battery carrying case (1) *1 Supplied with U2 model

> Earphones (1)*2 Car battery cord (1) Car connecting pack (1)

Spare fuse (1) Spiral tube (1)

D-E559CK AC power adaptor (1) Earphones with remote control (1)

Rechargeable batteries (2) Battery carrying case (1) Car battery cord (1) Car connecting pack (1) Velcro tape (2) Spare fuse (1) Spiral tube (1)

Design and specifications are subject to change

For US customers

serviced. Should the AC power adaptor cease to function in its intended manner, during the to your nearest Sony Service Center or Sony Authorized Repair Center for replacement, or after warranty period, it should be discarded

Car connecting pack CPA-9
Car battery cord with car connecting pack DCC-F26CP Car battery cord DCC-E245 Active speaker system SRS-A21 Rechargeable battery NH-DM2AA, NC-DMAA (2P)

Optical digital connecting cord POC-5B, POC-10B, POC-15B, POC-5AB, POC-10AB, POC-15AB * For the customers supplied with the headphones with remote control:

Stereo miniplug

Your dealer may not handle some of the above listed accessories. Please ask the dealer for detailed information about the accessories in

For the area code of the model you purchased

check the upper left side of the bar code on the

D-E555

Supplied accessories

Headphones with remote control (1)*1 Earphones with remote control (1)*

Rechargeable batteries (2) ² Not supplied with U2 model

D-E556CK AC power adaptor (1) Headphones (1)*1

Supplied with U2 model *2 Not supplied with U2 model

AC power adaptor supplied is not intended to be

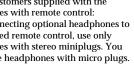
warranty period, the adaptor should be returned

Optional accessories

Connecting cord RK-G129HG

AC power adaptor AC-E45HG Stereo headphones MDR-35, MDR-E848LP*





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