SONY

FM/AM Portable CD Player

Operating Instructions

About the area code

The area code of the location in which you purchased the CD player is shown on upper left of the bar code label on the package. For accessories supplied with your CD player, check the area code of your model and see "Accessories (supplied/optional)."





D-FJ61 D-FJ65

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.

CAUTION

The use of optical instruments with this product will increase eye hazard.

Certain countries may regulate disposal of the battery used to power this product. Please consult with your local authority.

INFORMATION

Listening for many hours at maximum volume may damage your hearing.

Table of Contents

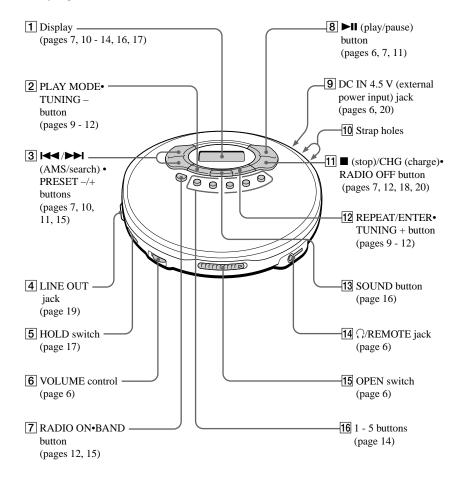
Getting started	Connecting your CD player
Locating the Controls 4	Connecting a stereo system 19
Playing a CD	Connecting a power source
1. Connect your CD player. 6 2. Insert a CD. 6 3. Play a CD. 6	Using the rechargeable batteries
Playback options	Additional information
Playing tracks repeatedly (Repeat play) 10 Playing a single track (Single play) 10 Playing tracks in random order (Shuffle play) 10 Playing tracks in your favorite order (PGM play) 11	Precautions
Using the radio	
Listening to the radio	
Available features	
G-PROTECTION function	

Getting started

Locating the Controls

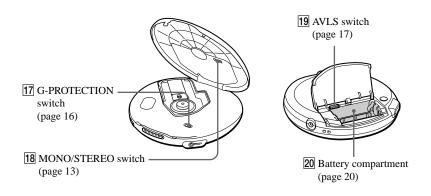
For details, see pages in parentheses.

CD player (front)

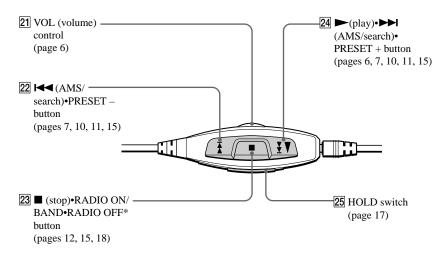


CD player (inside)

CD player (rear)



Remote control (D-FJ65 only)



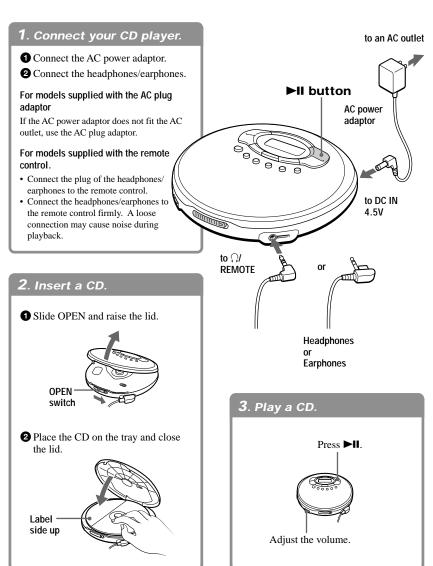
* To turn off the radio, hold down until the frequency indication disappears from the display.

Note

Use only the supplied remote control. You cannot operate this CD player with the remote control supplied with other CD players.

Playing a CD

You can also use rechargeable batteries and dry batteries as a power source.



То	Press
Play/Pause (pause only available on the CD player)	► II (► for the remote control)
Stop	■/CHG (■ for the remote control)*2
Find the beginning of the current track (AMS*1)	I◀◀ once quickly*2
Find the beginning of the previous tracks (AMS)	I ◀◀ repeatedly*²
Find the beginning of the next track (AMS)	▶► once quickly*2
Find the beginning of the succeeding tracks (AMS)	►► repeatedly*2
Go backwards quickly	Hold down I ◀◀*2
Go forward quickly	Hold down ▶►I*2

^{*1} Automatic Music Sensor

You can operate your CD player as shown in the above table by using the controls on the CD player or remote control.

About the display

- When you press ►II (► for the remote control) after changing the CD or turning off and on the player, the total number of tracks in the CD and total playing time appear for about two seconds.
- During play, the track number and the elapsed playing time of the current track appear.
- Between tracks, the time to the beginning of the next track appears with the "-" indication.
- · During pause, the elapsed playing time flashes.

Setting the maximum volume level (D-FJ65 only)

- **1** Set VOL (volume) on the remote control to maximum.
- **2** Adjust the volume on the CD player to the level that you want it to be. This level becomes the maximum volume for the remote control.

If the volume level does not increase

Is AVLS set to "LIMIT"? Set AVLS to "NORM." For details, see "Protecting your hearing (AVLS)."

(Continued)

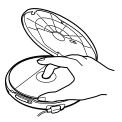
^{*2} These operations can be done during both play and pause.

Playback starts from the point you stopped

Your CD player can recall the playback point where you stopped and then resume playing from the same place (resume function). There is no ON/OFF switch of the resume function on this CD player.

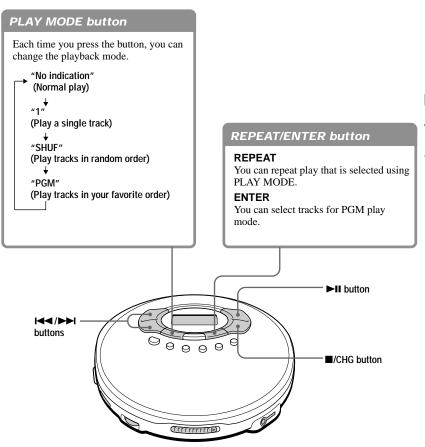
Removing the CD

Remove the CD while pressing the pivot in the center of the tray.



Playback options

You can enjoy various ways of playback using PLAY MODE and REPEAT/ENTER.



Playing tracks repeatedly (Repeat play)

You can play tracks repeatedly in normal, single, shuffle and PGM play modes.

During playback, press REPEAT/ENTER.

Note on I◀◀/▶▶I

During Repeat play, you can locate the first track after the last track by pressing ►► repeatedly. You can also locate the last track after first track by pressing ►► repeatedly.

Playing a single track (Single play)

During playback, press PLAY MODE repeatedly until "1" appears.

Playing tracks in random order (Shuffle play)

During playback, press PLAY MODE repeatedly until "SHUF" appears.

Playing tracks in your favorite order (PGM play)

You can program the CD player to play up to 64 tracks in your favorite order.

During playback, press PLAY MODE repeatedly until "PGM" appears.



2 Press I or ▶ to select a track.



3 Press REPEAT/ENTER to enter the selected track.

"00" appears and the playing order increases by one.



- 4 Repeat steps 2 and 3 to select the tracks in your favorite order.
- 5 Press ►II to start the PGM play.

To check the program

During programming:

Press REPEAT/ENTER repeatedly before step 5.

During the PGM play:

Press PLAY MODE repeatedly until "PGM" flashes, then press REPEAT/ENTER. Each time you press REPEAT/ENTER, the track number appears.

Notes

- When you finish entering the 64th track in step 3, the first selected track appears in the display.
- If you select more than 64 tracks, the first selected tracks are erased.

Using the radio

Once you've preset the stations, you can easily tune in the station by pressing one of the 1 - 5 buttons.

Listening to the radio

You can enjoy FM and AM programs.

- 1 Press RADIO ON•BAND to turn on the radio.
- **2** Press RADIO ON•BAND until the band you want appears.

Each time you press the button, the display changes as follows: \rightarrow FM1 \rightarrow FM2 \rightarrow FM3 \rightarrow FM4 \rightarrow FM5 \rightarrow AM

3 Press TUNING + or – to tune in the station you want and adjust the volume.

(FM I)

To turn off the radio

Press ■/CHG•RADIO OFF. (Hold down ■•RADIO ON/BAND•RADIO OFF on the remote control.)

To tune in the station quickly

Hold down TUNING + or - in step 3 until the frequency digits begin to change in the display. The CD player automatically scans the radio frequencies and stops when it finds a clear station.

To improve broadcast reception

For FM, extend the headphones/earphones cord.



For AM, reorient the CD player itself.



Note

Keep the headphones/earphones connected to the \(\cap{NEMOTE}\) jack of the CD player even when listening to the FM program through the speakers connected to the LINE OUT jack of the CD player. The headphones/earphones cord works as the FM antenna.

If it is hard to hear the FM broadcast

Set the MONO/STEREO switch to "MONO" using a pointed material.

The noise will be reduced but the radio will play in monaural



When listening to the radio on batteries

If you connect the external power source plug to the DC IN 4.5 V jack of your CD player, the CD player will turn off. Turn it on by pressing RADIO ON•BAND to continue listening to it.

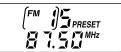
Presetting radio stations

You can store radio stations into the CD player's memory. You can preset up to 30 stations, 5 for each band (FM1 - 5 and AM) in any order.

- 1 Tune in the station you want.
- 2 Hold down one of the 1 5 buttons that you want to preset the new station on for more than 2 seconds.

When the station is preset successfully, the beep sounds and the indication "PRESET" appears in the display. The new station replaces the old one.

FM:



AM:



To cancel all preset stations

- **1** Disconnect the power source (AC power adaptor, rechargeable batteries or alkaline batteries).
- 2 While you press and hold down RADIO ON•BAND, connect the AC power adaptor again. The indications in the display keep flashing until all preset stations are cleared, then stop flashing and disappear from the display.



Playing preset radio stations

You can tune in the station easily by pressing one of the 1 - 5 buttons.

- Press RADIO ON•BAND (RADIO ON/BAND on the remote control) to select the band.
- 2 Press one of the 1 5 buttons or PRESET + or (PRESET + or on the remote control) to tune in a stored station.

G-PROTECTION function

The G-PROTECTION function has been developed to provide excellent protection against sound skipping while jogging. This function provides a higher level of shock protection than the traditional one.

While jogging, be sure to hold your CD player with the OPEN switch facing upward.

Set G-PROTECTION (under the lid) to "ON."



To turn off the G-PROTECTION function

Set G-PROTECTION to "OFF."

Note

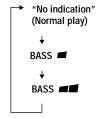
Sound may skip if:

- the CD player receives stronger continuous shock than expected or
- a dirty or scratched CD is played.

Emphasizing the bass sound (SOUND)

You can emphasize the bass-boosted sound.

Press SOUND to select "BASS ■" or "BASS ■■"."





The selected sound mode is displayed.

"BASS ■■ " enhances the bass sound more than "BASS ■ ."

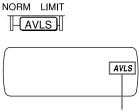
Note

If the sound is distorted when using the SOUND function, turn down the volume.

Protecting your hearing (AVLS)

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

Set AVLS (in the battery compartment) to "LIMIT."



Displayed when "LIMIT" is selected and AVLS function is working.

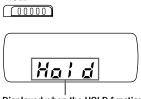
To turn off the AVLS function Set AVLS to "NORM"

Locking the controls (HOLD)

You can lock the controls on your CD player to prevent accidental button presses.

Slide HOLD in the direction of the arrow.

HOLD -



Displayed when the HOLD function is working.

You can use the HOLD function with both the CD player and remote control. You can still operate your CD player using the remote control when HOLD on the remote control is set to off.

To unlock the controls

Slide HOLD in the opposite direction of the arrow.

Turning off the operation beep sound

You can turn off the beep sound that is heard from your headphones/earphones when you operate your CD player.

- 1 Remove the power source (AC power adaptor, rechargeable batteries or dry batteries) from the CD player.
- 2 Connect the power source while pressing ■/CHG on the CD player or on the remote control.

To turn on the beep sound

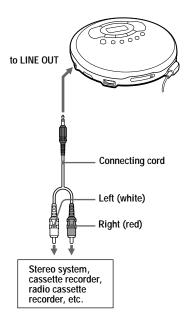
Remove the power source and then connect the power source without pressing ■/CHG or ■.

► Connecting your CD player

Connecting a stereo system

You can listen to CDs through a stereo system and record CDs on a cassette tape. For details, see the instruction manual that comes with the connected device.

Be sure to turn off all connected devices before making connections.



Notes

- Before you play a CD, turn down the volume of the connected device to avoid damaging the connected speakers.
- Use the AC power adaptor for recording. If you use the rechargeable batteries or dry batteries as a power source, batteries may become completely depleted during recording.
- Adjust the volume properly on the connected device so that the sound will not be distorted.

When using the connecting cord

- If the sound is distorted, connect the device to the \(\int / REMOTE\) jack.
- · The SOUND function does not work.
- The output level of the ∩/REMOTE jack decreases.

► Connecting a power source

You can use the following power sources:

- · Rechargeable batteries
- AC power adaptor (see "Playing a CD")
- · LR6 (size AA) alkaline batteries

For the battery life and charging time of the rechargeable batteries, see "Specifications."

Using the rechargeable batteries

Charge the rechargeable batteries before using them for the first time. You can use only the following rechargeable batteries for your CD player.

- NC-WMAA
- NH-WM2AA
- 1 Open the battery compartment lid.

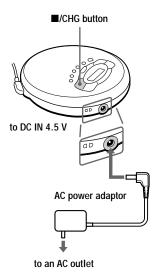


2 Insert two rechargeable batteries by matching the ⊕ to the diagram in the battery compartment and close the lid.



3 Connect the AC power adaptor to the DC IN 4.5 V jack of your CD player and an AC outlet, then press ■/CHG to start charging.

If the AC power adaptor does not fit the AC outlet, use the AC plug adaptor.



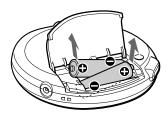
The CD player charges the batteries. The "CHG" indicator turns on in the display, and the indicator sections of [11] light up in succession. When the batteries are completely charged, the "CHG" and indicators turn off.

If you press ■/CHG after the charge has already been completed, the ☑ indicator flashes and "Full" appears in the display.

4 Disconnect the AC power adaptor.

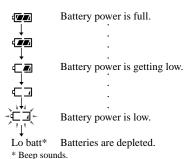
To remove the rechargeable batteries

Remove the batteries as illustrated below.



When to charge the rechargeable batteries

You can check the remaining power of the batteries in the display.



To keep the original battery capacity for a long time, charge the batteries only when they are completely depleted.

Notes

- The indicator sections of roughly shows the remaining battery power. One section does not always indicate one-fourth of the battery power.
- Depending on operating conditions, the indicator sections of may increase or decrease.

When to replace the rechargeable batteries

If the battery life becomes shorter by about half, replace the batteries with new rechargeable batteries.

Note on the rechargeable batteries

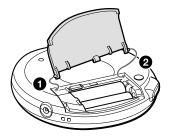
If the battery is new or has not been used for a long time, it may not be charged completely until you charge and discharge it several times.

Note on carrying the rechargeable batteries

Use the supplied battery carrying case to prevent unexpected heat. If the rechargeable batteries and the metallic objects are contacted, heat or fire may occur due to a short circuit.

To attach the battery compartment lid

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



Using dry batteries

Use only the following dry battery type for your CD player:

· LR6 (size AA) alkaline batteries

Note

Be sure to remove the AC power adaptor when using the dry batteries.

1 Open the battery compartment lid.

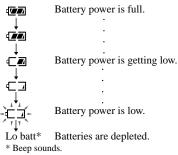
2 Insert two LR6 (size AA) batteries by matching the ⊕ to the diagram in the battery compartment.

To remove the batteries

Remove the batteries in the same way as rechargeable batteries.

When to replace the batteries

You can check the remaining power of the batteries in the display.



When the batteries are depleted, replace both

batteries with new ones.

Notes on the power source

Disconnect all power sources when the CD player is not used.

On AC power adaptor

 Use only the AC power adaptor supplied or recommended in "Accessories (supplied/ optional)." Do not use any other AC power adaptor. It may cause a malfunction.

Polarity of the plug



- When disconnecting the AC power adaptor from the AC outlet, grasp the adaptor itself. Do not pull it by the cord.
- Do not touch the AC power adaptor with wet hands.

On rechargeable batteries and dry batteries

- · Do not charge the dry 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 batteries.
- · Do not mix new batteries with old ones.
- Do not use different types of batteries together.
- When the batteries are not to be used for a long time, remove them.
- If battery leakage occurs, wipe off any deposit in the battery compartment, and install new batteries. In case the deposit adheres to you, wash it off thoroughly.

Precautions

On safety

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

On the CD player

- Keep the lens on the CD player clean and do not touch it. If you do so, the lens may be damaged and the CD player will not operate properly.
- Do not put any heavy object on top of the CD player. The CD player and the CD may be damaged.
- Do not leave the CD 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 CD player causes interference to the radio or television reception, turn off the CD player or move it away from the radio or television.
- Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this CD player. Attempting to do so may damage the CD player. Do not use such discs.

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 leave the CD in a car parked under direct sunlight.

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 situations.

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 or discontinue use.

Consideration 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 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 checked these symptoms, consult your nearest Sony dealer.

CD player

Symptom	Cause and/or corrective actions
The volume does not increase even if the VOLUME control is adjusted to the maximum level.	 → Set the AVLS switch to "NORM." (page 17) → The headphones/earphones are connected to the LINE OUT jack. Connect them to the \(\frac{1}{2}\)/REMOTE jack. (page 6) → The connecting cord is connected to the LINE OUT jack. (page 19)
No sound, or noise is heard.	 → Connect the plugs firmly. (page 6) → Plugs are dirty. Clean the plugs with a dry soft cloth periodically.
The playing time is too short when powered with the dry batteries.	 → Check that you are using alkaline batteries and not manganese batteries. (page 22) → Replace the batteries with new LR6 (size AA) alkaline batteries. (page 22)
The playing time is too short when powered with the rechargeable batteries.	→ Charge and discharge the rechargeable batteries several times. (pages 20, 21)
When you press ►II, "Lo batt" or "00" appears in the display. The CD does not play.	 → The rechargeable batteries are used up completely. Charge the batteries. (pages 20, 21) → Replace the batteries with new LR6 (size AA) alkaline batteries. (page 22)
"HI dc In" appears in the display.	 → Use only the AC power adaptor or car battery cord in "Accessories (supplied/optional)." (back cover) → Remove all power sources, then insert the batteries or connect the AC power adaptor again. (pages 6, 20, 21, 22)
The CD does not play or "no dISC" appears in the display when a CD is placed in the CD player.	 → The CD is dirty or defective. (page 23) → Check that the CD is inserted with the label side up. (page 6) → Moisture condensation has occurred. Leave the CD player aside for several hours until the moisture evaporates. → Close the lid of the battery compartment firmly. (page 20) → Make sure the batteries are inserted correctly. (pages 20 - 22) → Connect the AC power adaptor to an AC outlet securely. (page 6)
"Hold" appears in the display when you press a button, and the CD does not play.	→ The buttons are locked. Slide the HOLD switch back. (page 17)
Cannot adjust the volume with the VOLUME control on the CD player.	→ The CD player is connected to an audio device. Adjust the volume using the volume control on the connected device. (page 19)
The CD player does not start charging.	→ During stop, press ■/CHG. (page 20)

Radio

Symptom	Cause and/or corrective actions	
The audio is weak or has poor quality.	 Charge the rechargeable batteries. (pages 20, 21) Replace the batteries with new LR6 (size AA) alkaline batteries. (page 22) Move the CD player away from the TV. 	

Specifications

CD player

System

Compact disc digital audio system

Laser diode properties

Material: GaAlAs

Wavelength: $\lambda = 780 \text{ nm}$ Emission duration: Continuous Laser output: Less than 44.6 μ W

(This output is the value measured at a distance of 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)

D-A conversion

1-bit quartz time-axis control

Frequency response

 $20 - 20\ 000\ Hz_{-2}^{+1}\ dB$ (measured by EIAJ CP-307)

Output (at 4.5 V input level)

Line output (stereo minijack)

Output level 0.7 V rms at 47 k Ω

Recommended load impedance over $10 \text{ k}\Omega$ Headphones (stereo minijack)

Approx. 5 mW + Approx. 5 mW at 16 Ω (Approx. 1 mW + Approx. 1 mW at 16 Ω)*

*For the customers in France

Radio

Frequency range

FM: 87.5 - 108.0 MHz AM: 531 - 1 602 kHz

Antenna

FM: Headphones/earphones cord antenna

AM: Built-in ferrite bar antenna

General

Power requirements

For the area code of the model you purchased, check the upper left side of the bar code on the package.

- Two Sony NC-WMAA rechargeable batteries: 2.4 V DC
- Sony NH-WM2AA rechargeable batteries: 2.4 V DC
- Two LR6 (size AA) batteries: 3 V DC
- AC power adaptor (DC IN 4.5 V jack): U2/CA2/E92/MX2 model: 120 V, 60 Hz CED/CET/CEW/CEX/CE7/EE/EE1/E13/G5/ G6/G7/G8 model:

220 - 230 V, 50/60 Hz

CEK/3CE7 model: 230 - 240 V, 50 Hz

AU2 model: 240 V, 50 Hz

JE.W/E33/EA3 model: 100 - 240 V, 50/60 Hz

HK2 model: 220 V, 50/60 Hz AR1/CN2 model: 220 V, 50 Hz

Battery life* (approx. hours)

(When you use the CD player on a flat and stable surface.)

Playing time varies depending on how the CD player is used.

1			
When using	G-PROTECTION on off		RADIO on
Two NC-WMAA (charged for about 3 hours**)	8	7	17
NH-WM2AA (charged for about 4 hours**)	18	15	38
Two Sony alkaline batteries LR6SG	32	28	66

^{*} Measured value by the standard of EIAJ (Electronic Industries Association of Japan).

Operating temperature

5°C - 35°C (41°F - 95°F)

Dimensions (w/h/d) (excluding projecting parts and controls)

Approx. $131 \times 30 \times 136 \text{ mm}$ (5 $\frac{1}{4} \times 1$ $\frac{3}{16} \times 5$ $\frac{3}{8} \text{ in.}$)

Mass (excluding accessories)

Approx. 200 g (7.1 oz.)

Design and specifications are subject to change without notice.

^{**} Charging time varies depending on how the rechargeable battery is used.

Accessories (supplied/optional)

Supplied accessories

For the area code of the location in which you purchased the CD player, check the upper left side of the bar code on the package.

D.F.161	D.F.165	
AC power adaptor (1)	0	0
Headphones/earphones with remote control (1)	-	0
Headphones/earphones (1)	0	_
Rechargeable batteries (2)	_	0
Battery carrying case (1)	_	0
AC plug adaptor (1)	0*	0*

^{*} Supplied with EA3 model only

Optional accessories

AC power adaptor	AC-E45HG
Active speaker system	SRS-T1
	SRS-Z500
Car battery cord	DCC-E345
Car battery cord with car	connecting pack
	DCC-E34CP
Car connecting pack	CPA-9C
Connecting cord	RK-G129HG
	RK-G136HG
Rechargeable battery	NH-WM2AA
Earphones	MDR-E848LP
_	MDR-EX70LP
Headphones	MDR-A44L
-	MDR-A110LP

When connecting optional headphones/earphones to the supplied remote control

Use only headphones with stereo mini plugs. You cannot use headphones with micro plugs.

Stereo miniplug Micro plug

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