

Portable VIDEO CD Player

Operating Instructions

VCD WALKMAN



D-VJ85

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.

Welcome!

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

This player can play the following discs:

- **VIDEO CD**

Disc logo



Contents

Audio & video signals

- **Audio CD**

Disc logo



Contents

Audio signals only

There are 2 types of CDs in size — 12 cm and 8 cm. Their longest play time is 74 and 20 minutes respectively. The actual play time, however, varies among the CDs.

Note on VIDEO CDs

This player conforms to Version 1.1 and 2.0 of VIDEO CD standards. You can enjoy two kinds of playback according to the CD type.

Disc type	You can
VIDEO CDs without PBC functions (Version 1.1)	Enjoy video playback (moving pictures) as well as music.
VIDEO CDs with PBC functions (Version. 2.0)	Play interactive software using menus displayed on the TV screen, in addition to the video playback function. Also play high-resolutive still pictures.

About CD-Rs

This CD player can play CD-Rs recorded in the CD-DA* and Video CD format, but playback capability is depending on the quality of the media and the condition of the recording device.

* CD-DA is the abbreviation for Compact Disc Digital Audio. It is a recording standard used for the Audio CDs.

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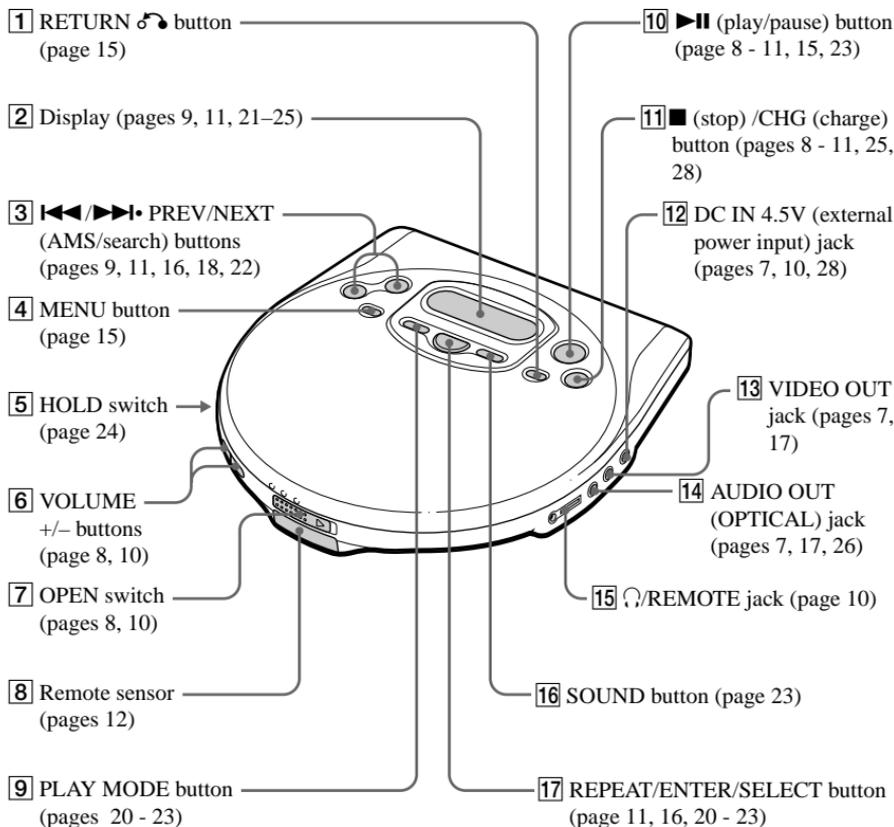
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Getting started

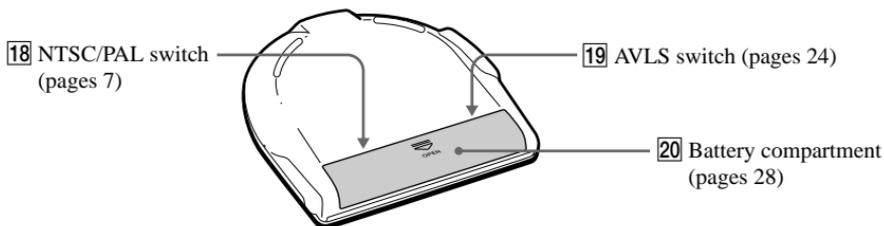
Locating the Controls

For details, see pages in parentheses.

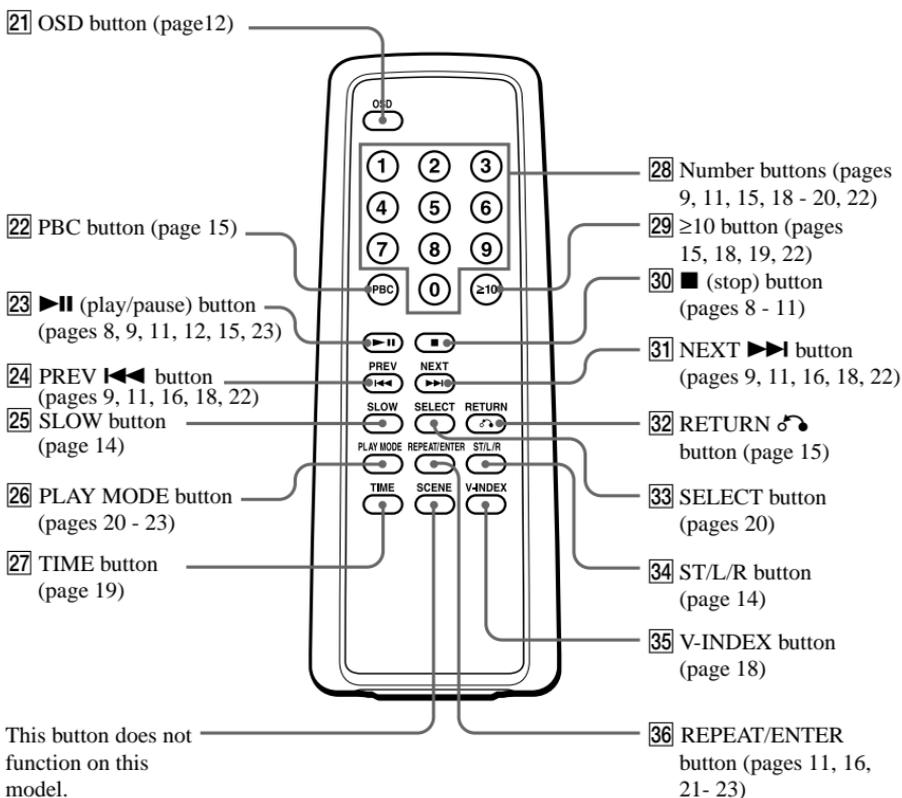
CD player (front)



CD player (rear)



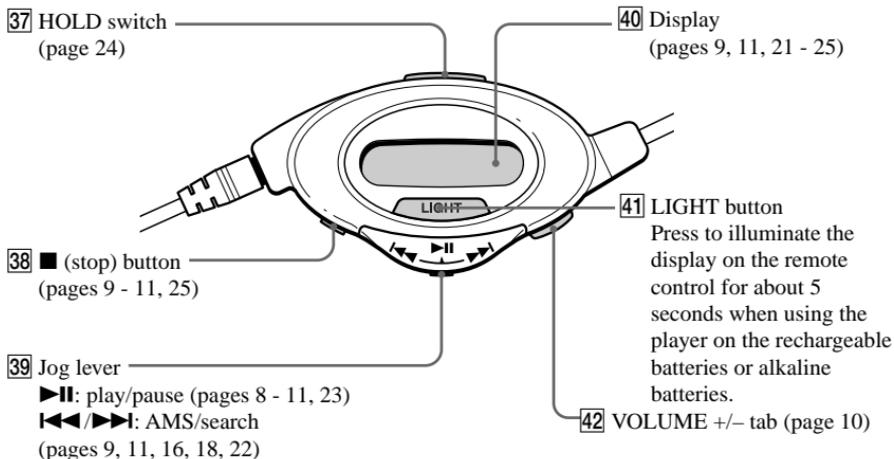
Wireless remote control



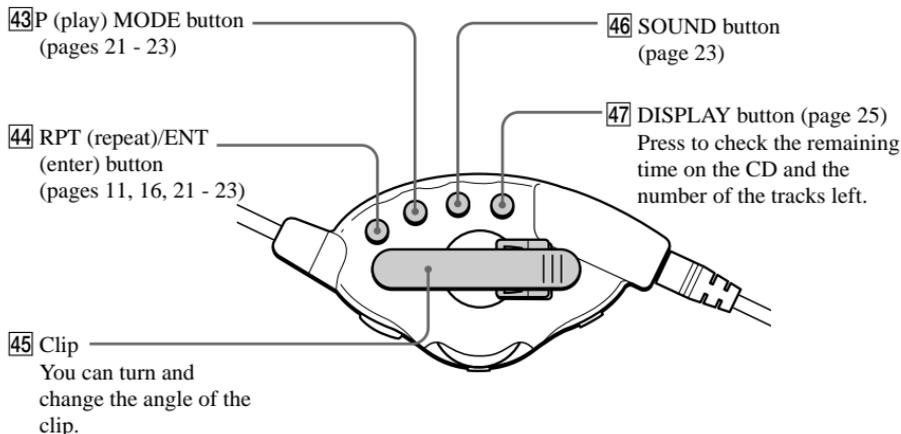
(Continued)

Remote control

(Front)



(Rear)



Note

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

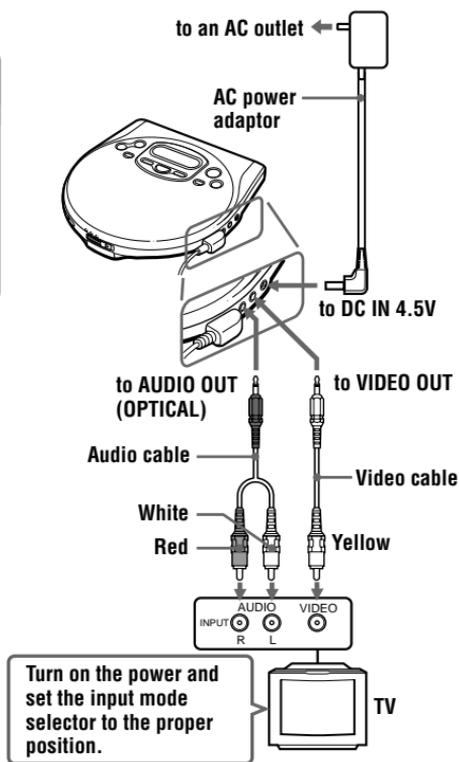
Playing a VIDEO CD

You can play back a VIDEO CD, using the supplied AC power adaptor. You can also use rechargeable batteries and alkaline batteries. (See “Connecting a power source” on pages 28 – 30.)

To produce color pictures normally, you need to set the color system properly according to the connected TV.

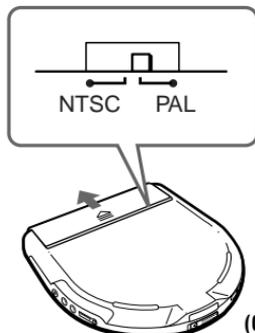
1. Connect your VIDEO CD player.

- 1 Connect the AC power adaptor.
- 2 Connect the video and audio cables.
- 3 Turn on the power of the TV and set the input mode selector to the proper position.



2. Set the NTSC/PAL switch to the color system of your TV.

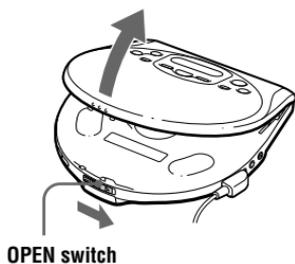
- 1 Open the battery compartment lid.
- 2 Switch to “PAL” or “NTSC” using a pointed material.
PAL system countries:
China, India, Indonesia, Singapore, Malaysia, etc.
NTSC system countries:
Japan, Korea, Taiwan, U.S.A., etc.



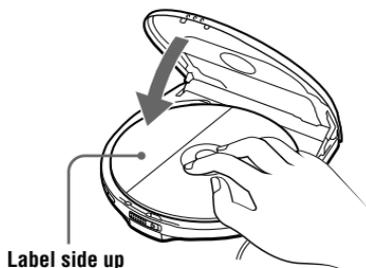
(Continued)

3. Insert a VIDEO CD.

- 1 Slide OPEN to open the lid.

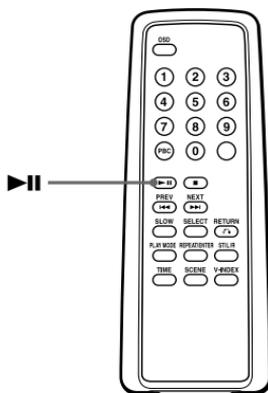


- 2 Fit the VIDEO CD to the pivot and close the lid.



4. Play a VIDEO CD.

- 1 Press ►|| on the main unit or the wireless remote control.
- 2 Adjust the volume on the equipment connected to this player. (You cannot adjust the volume on this player except for the signals output from the Ω /REMOTE jack).



To stop playing, press ◻.

The player also turn off.

To	Do this
Pause	Press ► .
Stop	Press ■/CHG (■).
Resume play after pause	Press ►
Locate the next or succeeding tracks	Press ► repeatedly until you find the scene or track.
Locate the current or preceding tracks	Press ◄ repeatedly until you find the scene or track.
Locate a specific track directly	Press the number button of the track (wireless remote control only).
Locate a point in the track while monitoring the picture*	Press ◄ or ► and hold it down until ◄◄ or ►► appears on the TV screen.

* To return to normal playback, press ►||.

The above operations can also be done with the buttons on the supplied earphones with remote control or wireless remote control.

About the display

- No indication appears on the display while you operate the unit with the wired remote control.
- During play, the track number and the elapsed playing time of the current track appear.
- During pause, the elapsed playing time flashes.

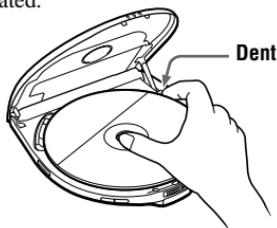
If the volume level does not increase (when listening with the headphones/earphone)

Is AVLS set to "LIMIT"? Set AVLS to "NORM." For details, see "To protect your hearing (AVLS)" on page 24.

If a cable is connected to the AUDIO OUT jack, you cannot adjust the volume. In such a case, disconnect the cable.

Removing the VIDEO CD

Remove the VIDEO CD as illustrated.



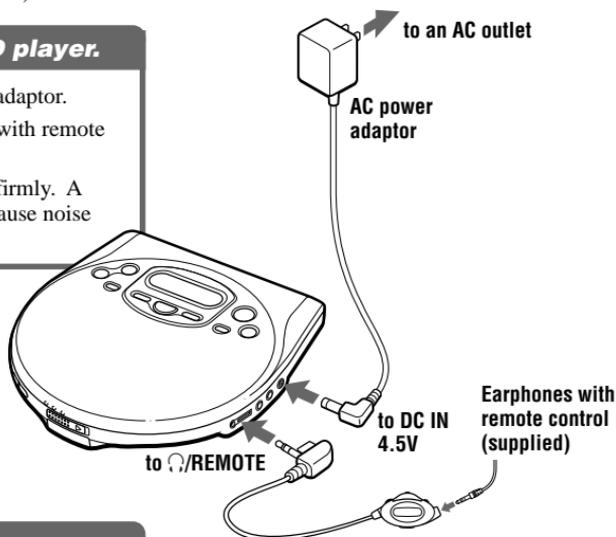
Playing an audio CD

You can also use rechargeable batteries, alkaline batteries and a car battery. (See “Connecting a power source” on pages 28 - 30.)

1. Connect your CD player.

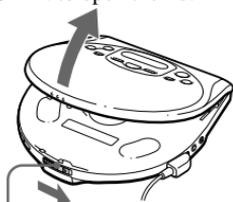
- 1 Connect the AC power adaptor.
- 2 Connect the earphones with remote control.

Connect the earphones firmly. A loose connection may cause noise during playback.



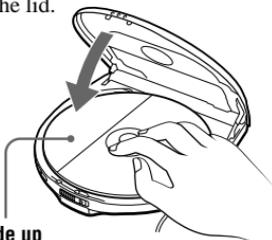
2. Insert an audio CD.

- 1 Slide OPEN to open the lid.



OPEN switch

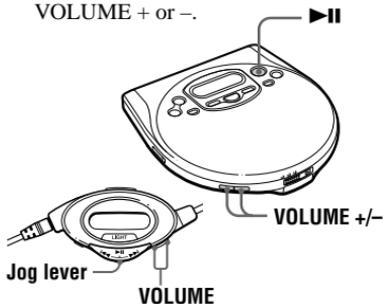
- 2 Fit the audio CD to the pivot and close the lid.



Label side up

3. Play an audio CD.

- 1 Press **▶||** on the main unit or press the jog lever on the remote control toward **▶||**.
- 2 Adjust the volume by pressing **VOLUME +** or **-**.



To stop playing, press **■**.
The player is also turned off.

Note

When playing back an audio CD using the AC power adaptor, it takes a while until the sound is heard.

To	Press
Pause	▶
Stop	■/CHG (■)
Resume play after pause	▶
Find the beginning of the current track (AMS*)	◀◀ once**
Find the beginning of previous tracks (AMS)	◀◀ repeatedly**
Find the beginning of the next track (AMS)	▶▶ once**
Find the beginning of succeeding tracks (AMS)	▶▶ repeatedly**
Locate a specific track directly	Number buttons of the track (wireless remote control only)**
Go forward quickly	Hold down ▶▶▶**
Go backwards quickly	Hold down ◀◀◀**

* Automatic Music Sensor

** These operations are possible during both play and pause.

The above operations can also be done with the buttons on the supplied earphones with remote control or wireless remote control.

If you press REPEAT/ENTER (RPT/ENT) to display “REPEAT”, you can locate the tracks continuously in the following order:

- When using ▶▶▶: next track → next track last track → first track → second track
- When using ◀◀◀: previous track → previous track first track → last track

About the display

- When playing an audio CD using the AC power adaptor, indications on the remote control display window go off until the sound is heard.
- When you press ▶||, the total number of tracks in the audio 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.

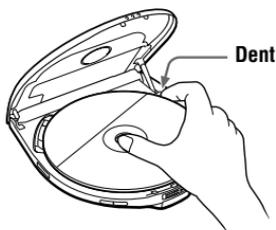
If the volume level does not increase

Is AVLS set to “LIMIT”? Set AVLS to “NORM.” For details, see “To protect your hearing (AVLS)” on page 24.

If a cable is connected to the AUDIO OUT jack, you cannot adjust the volume. In such a case, disconnect the cable.

Removing the audio CD

Remove the audio CD as illustrated.



▶ **Playing VIDEO CDs in Various Modes**

Playing VIDEO CDs using the wireless remote control

Use the supplied wireless remote control to play VIDEO CDs.

You can also play, stop playback, search forward or backward using the buttons on the main unit.



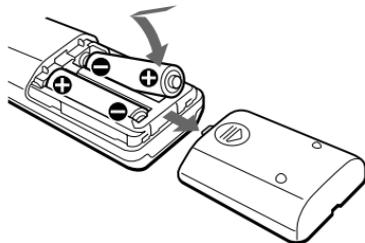
Point the wireless remote control towards the remote sensor of the player.

Notes

- When using the player on alkaline batteries, you can turn on the player by pressing **▶||** on the wireless remote control within about 5 minutes after you turn it off. If 5 minutes have already passed, press **▶||** on the player to turn it on. (You cannot turn on the player using the wireless remote control.)
- Do not expose the remote sensor to direct sunlight or lighting apparatuses.
- Remove any obstacles between the remote sensor on the player and the wireless remote control.

To insert batteries into the wireless remote control

Insert two R6 (size AA) batteries by matching the ⊕ and ⊖ on the batteries.



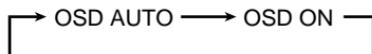
Displaying the operating status on the TV screen

You can check the operating status of the player and the information about the VIDEO CD on the TV screen.

Press OSD.



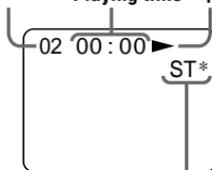
Each time you press the button, the OSD (On-Screen Display) mode changes as follows:



When "OSD AUTO" is selected, the operating status appears for a few seconds on the TV screen when you press a button or when the operating status is changed. When "OSD ON" is selected, the operating status, time display, etc. are always displayed.

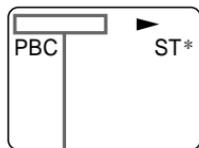
While playing a VIDEO CD without PBC functions/while playing back with PBC OFF

Track number Playing time Operating status



MONO/STEREO indication

While playing a VIDEO CD with PBC functions



V-index

* Setting of the ST/L/R, etc. are displayed for about a few seconds when you change the OSD modes.

Various indications displayed on the TV screen

Indication	What it means (page)
PBC	Playing a VIDEO CD with PBC functions with PBC ON (15)
SELECT	Waiting for you to select something (For instance, at the time of menu display) (15)
V INDEX	Video index search (18)
DIGEST	In the Track Digest mode (20)
NEXT	Next track number
PREV	Previous track number
	Playing (8)
	Pausing (9)
	Slow-motion playing (14)
	Searching forward (9, 18)
	Searching backwards (9, 18)
	The player cannot accept the operation
ST	Hearing stereo sound (14)
L	Hearing left channel sound (14)
R	Hearing right channel sound (14)
OSD AUTO	OSD mode has been switched to "OSD AUTO." (12)
OSD ON	OSD mode has been switched to "OSD ON." (12)
PBC OFF	PBC mode has been switched to OFF. (15)
PBC ON	PBC mode has been switched to ON. (15)

Indication	What it means (page)
NTSC	The NTSC/PAL switch is set to "NTSC". (7)
PAL	The NTSC/PAL switch is set to "PAL". (7)
REP OFF	The repeat mode has been set to OFF. (21)
REP ALL *	Playing a whole VIDEO CD repeatedly (21)
REP 1 *	Playing the current track repeatedly (21)

* Repeat play is not available during PBC playback.

Notes

- While playing an audio CD, the OSD mode cannot be displayed on the TV screen.
- When you record the playback picture of this player on another VCR, etc., be sure to select "OSD OFF". Otherwise, the display information will also be recorded on the VCR.

(Continued)

Playing VIDEO CDs using the wireless remote control

Playing multiplex VIDEO CDs

On multiplex VIDEO CDs, different sounds are recorded for the left and right channels. You can select either the left or the right channel and hear the sound of the selected channel. In this case, the stereo effect will be lost.

Press **ST/L/R** while playing a multiplex VIDEO CD.



Each time you press the button, the indication and sound you hear change as follows:

Press	Indication	You will hear
Once	L	Left channel sound
Twice	R	Right channel sound
Three times	ST	Stereo sound

The initial setting is "ST".

Playing VIDEO CDs in slow-motion (Slow-motion Play)

You can make the play speed slower.

Press **SLOW** while playing a VIDEO CD.



To cancel slow-motion play

Press **▶II**.

When playback of the current track is finished, slow-motion play will be cancelled automatically and return to normal play.

Playing VIDEO CDs with PBC functions (PBC Play)

Using the PBC functions, you can play a VIDEO CD with PBC functions (Version 2.0) (simple interactive software, software with search functions, etc.).

Refer also to the instructions supplied with the VIDEO CD, as the operating procedure may differ depending on the VIDEO CD.

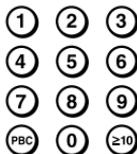
1 Insert a VIDEO CD with PBC functions (see page 8).

2 Press ►II.



PBC playback starts, and the menu appears on the TV screen.

3 Press the number buttons to select item number of the menu you want to play.



For instance, to select item number 5, press 5.

To select an item number 10 or more, press ≥ 10 first, then the corresponding number buttons.

Examples:

For 12: ≥ 10 , then 1 and 2

For 24: ≥ 10 , then 2 and 4

For 135: ≥ 10 , ≥ 10 , then 1 and 3 and 5

On the player

Press MENU to select the item number, then press SELECT.

4 Repeat the above procedure, following the instructions shown on the menu.

When	Press
You want to select an item number	Number button of the item you want on the wireless remote control. On the player: MENU until the desired item number is displayed, then SELECT.
You want to go back to the previous menus	RETURN . (The actual operation varies among the VIDEO CDs. Refer to the instructions supplied with the VIDEO CDs.)

Note

When playing some VIDEO CDs, ► SELECT (or ►) appears on the TV screen, instead of SELECT. In that case, press SELECT on the remote control. If you press ►II, the player pauses.

To play the VIDEO CD in normal play mode and cancel play using PBC functions

Press PBC on the wireless remote control so that "PBC OFF" appears on the TV screen. "PBC" disappears from the display, and normal play starts (in the sequence of the track numbers). In this case, you cannot play still pictures such as menu screens.

When you change the PBC mode

When you change the PBC mode ("PBC ON" or "PBC OFF") and start play, the player plays the VIDEO CD from the beginning.

Playing VIDEO CDs repeatedly (Repeat Play)

You can play a whole VIDEO CD or a single track repeatedly.

To repeat all the tracks on a VIDEO CD

- 1 Set the PBC mode to "PBC OFF". (See "Playing VIDEO CDs with PBC functions" on page 15).
- 2 While playing a VIDEO CD, press REPEAT/ENTER repeatedly until "REP ALL" appears on the TV screen.



To cancel repeat play

Press REPEAT/ENTER until "REPEAT OFF" appears on the TV screen.

To repeat a single track

- 1 Set the PBC mode to "PBC OFF". (See "Playing VIDEO CDs with PBC functions" on page 15).
- 2 While the track you want to repeat is playing, press REPEAT/ENTER until "REP 1" appears on the TV screen.



To repeat another track, press ◀◀ or ▶▶ to select the track you want to repeat. While the track is playing, press REPEAT/ENTER.

To cancel repeat play

Press REPEAT/ENTER until "REPEAT OFF" appears on the TV screen.

Note

This function is not available during PBC playback.

Using other functions

Shock protection function

By using a memory buffer that can store approximately 12 seconds of video data, the shock protection function prevents the pictures from skipping when you make a jolt or bump to your VIDEO CD player.

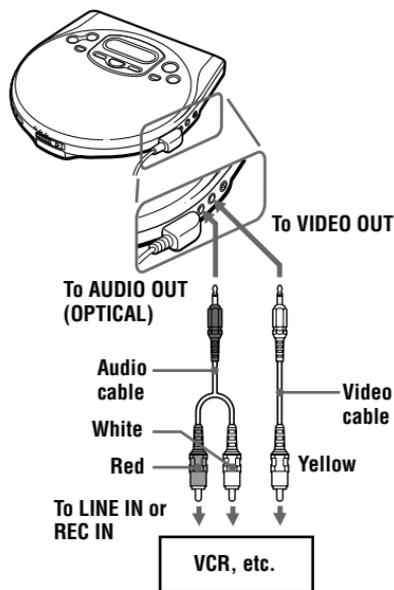
Note

Noise may appear on the screen if

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

Connecting to other video equipment

You can record a VIDEO CD on a video tape. Refer to the instruction manual supplied with other equipment for details. Before making connections, turn off each equipment.



Note

Before you play a disc, turn down the volume of the connected equipment so as not to damage the speakers.

► Locating a track in VIDEO CDs

Locating a specific track by observing the TV screen (Search)

While playing a VIDEO CD, you can quickly locate any track or a specific point in a track by observing the TV screen.

To	Do this
Locate the next or succeeding tracks	Press ►► repeatedly until you find the track.
Locate the current or preceding tracks	Press ◀◀ repeatedly until you find the track.
Locate a specific track directly	Press the number button of the track (wireless remote control only).
Locate a point in the track while monitoring the picture	Press ◀◀ or ►► and hold it down until ◀◀ or ►► appears on the TV screen.

To directly locate a track number 10 or more

To select an item number 10 or more, press ≥ 10 first, then the corresponding number buttons.

Examples:

For 12: ≥ 10 , then 1 and 2

For 24: ≥ 10 , then 2 and 4

For 135: ≥ 10 , ≥ 10 , then 1 and 3 and 5

Locating a specific point directly

You can locate a specific point directly using the video index, scene numbers and the time of the point.

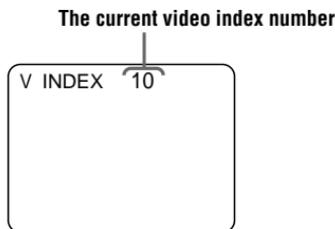
To locate a specific point using the video index numbers (Video Index Search)

Some VIDEO CDs with PBC functions have the video index numbers or the scene numbers. Some VIDEO CDs have both. Check the current video index number by displaying it on the TV screen during playback. (See pages 12 and 13.)

1 Press V-INDEX while playing a VIDEO CD.

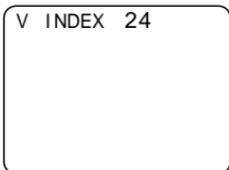


"V INDEX" appears on the TV screen.



2 Press the number buttons to select the video index number you want.

The selected video index number appears on the TV screen.



To select a number 10 or more, press ≥ 10 first, then the corresponding number buttons.

Examples:

For 12: ≥ 10 , then 1 and 2

For 24: ≥ 10 , then 2 and 4

For 135: ≥ 10 , ≥ 10 then 1 and 3 and 5

If you have made a mistake

Repeat the same procedure from Step 1 again.

To cancel the video index search

Press V-INDE X again.

Notes

- You cannot use Video Index Search with tracks or VIDEO CDs which do not have video index numbers recorded.
- You cannot search for video index numbers in different tracks.

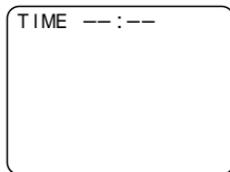
To locate a specific point by inputting the time of the point (Time Jump Search)

You can locate a specific point directly by inputting the time of the point you want to find.

1 Press TIME while playing a VIDEO CD.



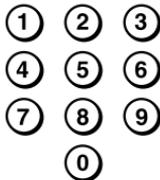
"TIME" and "-- : --" appear on the TV screen.



2 Press the number buttons to input the time of the point you want to find.

The picture of the selected time appears on the TV screen.

e.g. To select one minute and 50 seconds, press ①, ①, ⑤ and ①.



(Continued)

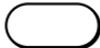
Locating a specific point directly

To locate a specific point by observing nine scenes in the current track at one time (Track Digest Search)

You can locate a specific point directly by observing nine scenes in the current track at one time.

-
- 1** While playing a VIDEO CD, press **PLAY MODE** until “DIGEST” appears on the TV screen.

PLAY MODE



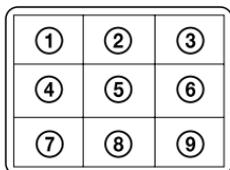
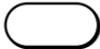
DIGEST



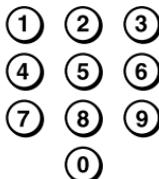
-
- 2** Press **SELECT**.

The player separates the current track into nine parts automatically, and displays the first picture of each part on the TV screen.

SELECT



-
- 3** Press the number button of the picture you want to see.



The player starts playing from the part you selected.

▶ Playing audio CDs in various modes

Playing tracks repeatedly (Repeat Play)

You can play tracks repeatedly in normal, PGM or shuffle play modes.
Repeat all the tracks or only one track.

The following operations can be done with the buttons on the main unit, the supplied earphones with remote control, or the supplied wireless remote control.

To repeat all the tracks

Press REPEAT/ENTER (RPT/ENT) during play.

REPEAT/ENTER



The “↶” indicator appears.



To cancel repeat play

Press REPEAT/ENTER (RPT/ENT) again.

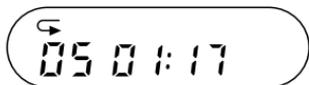
To repeat a single track

1 Press REPEAT/ENTER (RPT/ENT) while the track you want to repeat is playing.

REPEAT/ENTER



The “↶” indication appears.



2 Press PLAY MODE (P MODE) repeatedly until “1” appears.

PLAY MODE



To repeat another track, press ◀◀ or ▶▶.

To cancel repeat play

Press REPEAT/ENTER (RPT/ENT) again.

Playing tracks in random order (Shuffle Play)

You can play the tracks in an audio CD in random order.

The following operations can be done with the buttons on the main unit, the supplied earphones with remote control, or the supplied wireless remote control.

During play, press **PLAY MODE (P MODE)** repeatedly until **"SHUF"** appears.

PLAY MODE



The tracks play in random order.



To cancel shuffle play

Press **PLAY MODE (P MODE)** repeatedly until the play mode indication disappears from the display.

Notes

- During shuffle play, you cannot return to previous tracks by pressing **⏮**.
- If you locate a specific track using the number button on the wireless remote control, shuffle play is cancelled.

Playing tracks in your favorite order (PGM Play)

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

The following operations can be done with the buttons on the main unit, the supplied earphones with remote control, or the supplied wireless remote control.

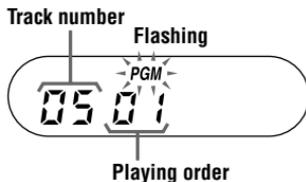
1 During playback, press **PLAY MODE (P MODE)** repeatedly until **"PGM**"** appears.

PLAY MODE



2 Press the number buttons (wireless remote control only), or **⏮** or **⏭** and **REPEAT/ENTER (RPT/ENT)** to choose a track.

The track number and the playing order appear.



To select an item number 10 or more using the wireless remote control, press ≥ 10 first, then the corresponding number buttons.

Examples:

For 12: ≥ 10 , then 1 and 2

For 24: ≥ 10 , then 2 and 4

3 Repeat step 2 to program the remaining tracks.

4 Press ►II .

“PGM” stops flashing and the tracks you have chosen play in the order you specified.

To cancel PGM play

Press PLAY MODE (P MODE) until “PGM” disappears.

To check the program

During programming:

Press REPEAT/ENTER (RPT/ENT) before step 4.

During PGM play:

Press PLAY MODE (P MODE) repeatedly until “PGM” flashes, then press REPEAT/ENTER (RPT/ENT).

Each time you press REPEAT/ENTER (RPT/ENT), the track number and the playing order appear in the order you specified.

Notes

- When you finish entering the 64th track in step 2, the first selected track appears in the display.
- If you select more than 64 tracks, the first selected tracks are erased.

Using other functions

To enjoy more powerful bass sound (MEGA BASS Function)

You can enjoy a powerful bass-boosted sound.

The following operations can be done with the buttons on the main unit or the supplied earphones with remote control.

Press SOUND to select “BASS ◀” or “BASS ◀▶.” “BASS ◀▶” is more effective.

SOUND



Note

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

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 VIDEO CD player with the OPEN switch facing upward.

There is no ON/OFF switch of the G-PROTECTION function on this VIDEO CD player and its remote control. You can always enjoy high quality CD sound using the G-PROTECTION function.

Note

Sound may skip:

- if the VIDEO CD player receives stronger continuous shock than expected,
- if a dirty or scratched CD is played or
- when using poor-quality CD-Rs or if there is a problem with the recording device or application software.

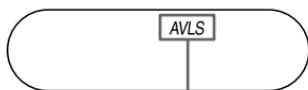
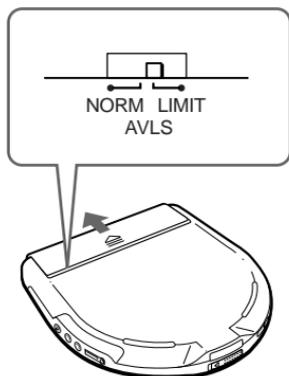
(Continued) 23

Using other functions

To protect your hearing (AVLS)

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

Open the battery compartment and set AVLS to "LIMIT".



Flashes when the volume is turned up beyond a certain level.

To turn off the AVLS function

Set AVLS to "NORM".

To lock the buttons (HOLD)

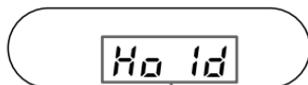
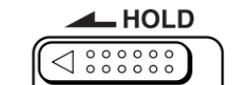
You can lock the controls on your VIDEO CD player to prevent accidental button presses.

Slide **HOLD** in the direction of the arrow.

When you press any button, "Hold" appears in the display and you cannot operate the player.

VIDEO CD player

Remote control



Displayed when the HOLD function is working.

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

To unlock the controls

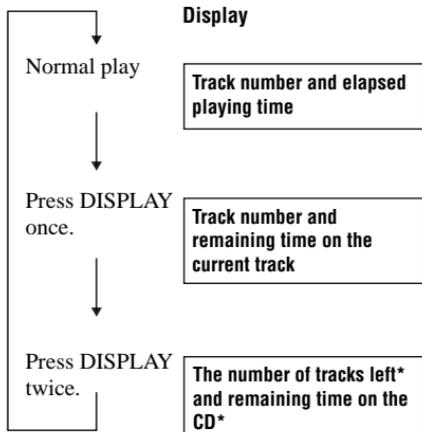
Slide **HOLD** in the opposite direction of the arrow.

Checking the remaining time on the CD and the number of tracks left

You can check the remaining time on the CD and the number of tracks left using DISPLAY.

Press DISPLAY.

Each time you press the button, the display changes as follows.



* Not displayed during Single play, Shuffle play or PGM play.

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

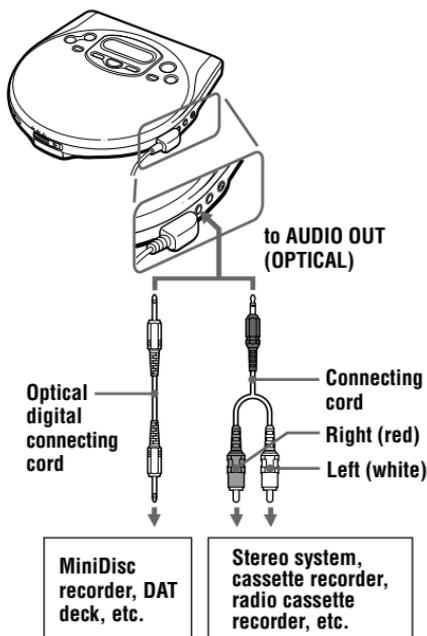
Remove the power source and then connect the power source without pressing ■/CHG or ■.

► Connecting your VIDEO CD player

Connecting a stereo system

You can listen to CDs through a stereo system or record CDs on a cassette tape and a MiniDisc. 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

- You cannot adjust the volume of the headphones/earphones on the VIDEO CD player or the remote control.
- If the sound is distorted, connect the device to the Ω /REMOTE jack.

When using the optical digital connecting cord

To record the CD sound on a MiniDisc, DAT, etc., make sure that the VIDEO CD player is in pause before operating the recording procedures.

About the G-PROTECTION and SOUND functions when using the connecting cord or optical digital connecting cord

See the following table for valid functions according to the types of connecting cord:

	G-PROTECTION	SOUND
Connecting cord	No	No
Optical digital connecting cord	No	Yes*

* Functions only on the output sound from the Ω /REMOTE jack; does not function on the output sound from the AUDIO OUT (OPTICAL) jack.

Using your VIDEO CD player in a car

You can listen to a CD in a car by connecting your CD player to the car cassette deck.

You cannot use the car mount plate for this VIDEO CD player.

When you use your VIDEO CD player in a car, install it securely in a location that does not interfere with your driving.

Optional car accessory needed

To connect your VIDEO CD player to a car cassette deck, you need the following car accessories in "Accessories (supplied/optional)":

- Car battery cord, and
- Car connecting pack*

For details, see the instruction manuals that come with the optional accessories.

* Noise may be heard if you use an optional connecting cord. It is recommended that you use a Sony car connecting pack to reduce noise.

Switched ignition function (when using the car battery cord)

With this feature, your VIDEO CD player stops automatically when you turn off the car engine (turn off the ignition key) even if the batteries are inserted in the VIDEO CD player. This function is invalid depending on the car models.

Notes

- Use only the car battery cord listed in "Accessories (supplied/optional)." If you use any other car battery cord, a heat, smoke or malfunction may occur.
- Do not operate the system in a way that might divert your attention from driving safely. As a driver, you alone are responsible for safely operating your vehicle in accordance with traffic safety laws at all times.
- Do not install the system where it may obstruct your view through the windshield or your view of your vehicle's indicator displays.

- Do not install the system where it may hinder the function of safety devices such as an air-bag. Doing so may prevent the air-bag from functioning properly in the event of an accident.

► Connecting a power source

You can use the following power sources:

- Rechargeable batteries
- AC power adaptor (see “Playing a VIDEO CD” on page 7)
- LR6 (size AA) alkaline batteries (battery case)

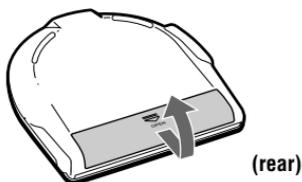
For the battery life and charging time of the rechargeable batteries, see “Specifications.”

Using the rechargeable batteries

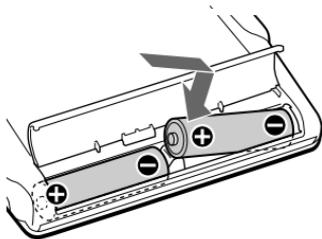
Charge the rechargeable batteries before using them for the first time. You can use only the following rechargeable batteries for your VIDEO CD player.

- NH-7WMAA
- NH-WM2AA

1 Open the battery compartment lid.

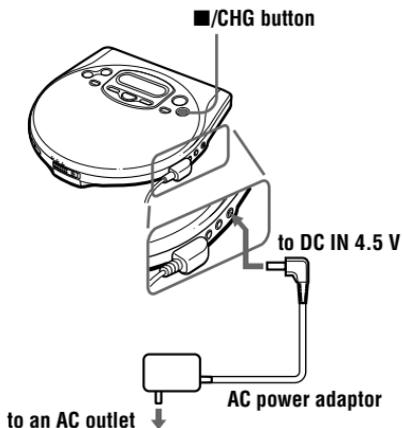


2 Insert two rechargeable batteries by matching ⊕ to the diagram inside the battery compartment and close the lid.



3 Connect the AC power adaptor to the DC IN 4.5 V jack of your VIDEO 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.



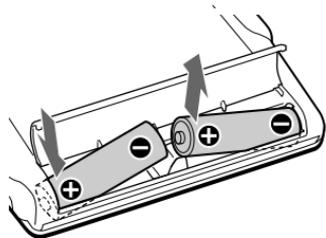
The VIDEO CD player charges the batteries. The “CHG” indicator turns on in the display, and the indicator sections of  light up in succession. When the batteries are completely charged, the “CHG” and  indicators turn off.

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.

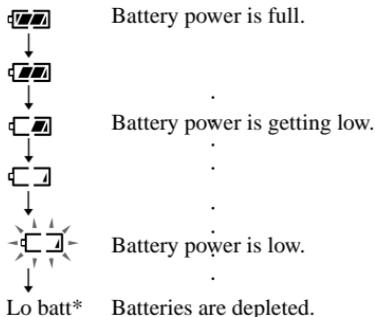
To remove the rechargeable batteries

Remove the batteries as illustrated below.



When to charge the rechargeable batteries

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



* Beep sounds.

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 show 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

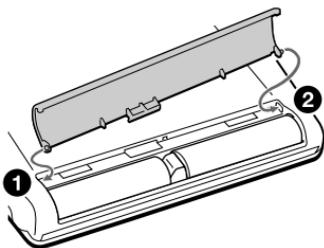
If the battery is new or has not been used for a long time, it may not be charged completely until you charge and discharge it several times.

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 VIDEO 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.

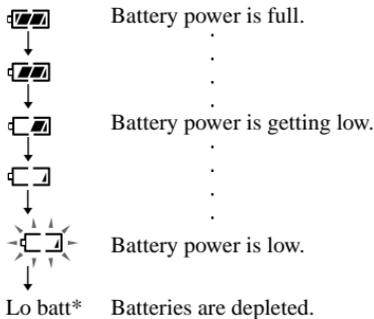
2 Insert two LR6 (size AA) batteries by matching \oplus to the diagram in the battery compartment.

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.



* Beep sounds.

When the batteries are depleted, replace both batteries with new ones.

Notes on the power source

Disconnect all power sources when the VIDEO 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 VIDEO 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 VIDEO CD player

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

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.



Not these ways

- 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.
- Do not use the CD soiled with dust. Malfunction may occur.

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.

Symptom	Cause and/or corrective actions
CD playback does not start.	→ The unit is being operated on AC power. When playing back an audio CD using the AC power adaptor, it takes a while until the sound is heard.
The disc does not play or “no dISC” appears in the display when a CD is placed in the player.	→ The CD is dirty or defective. (page 31) → Check that the CD is inserted with the label side up. (page 8, 10) → Moisture condensation has occurred. Leave the CD player aside for several hours until the moisture evaporates. → The lens is dirty. Clean the lens. (page 31) → Close the lid of the player and battery compartment firmly. (pages 8, 28) → Make sure the batteries are inserted correctly. (pages 28, 30) → Connect the AC power adaptor to an AC outlet securely. (page 7) → The CD-R was not finalized. Finalize the CD-R with the recording device. → There is a problem with the quality of the CD-R, recording device, or application software.
No sound, or noise is heard.	→ Connect the plugs firmly. (page 7) → Plugs are dirty. Clean the plugs with a dry soft cloth periodically.
The volume does not increase even if you press the VOLUME + button repeatedly.	→ Set the AVLS switch to “NORM.” (page 24) → The headphones/earphones are connected to the AUDIO OUT (OPTICAL) jack. Connect them to the  /REMOTE jack. (page 10)
Sound seems to lose the stereo effect and becomes monaural.	→ Press ST/L/R on the wireless remote control repeatedly until “ST” appears on the TV screen. (Only when playing a VIDEO CD)
The playing time is too short when powered with the dry batteries.	→ Check that you are using alkaline batteries and not manganese batteries. (page 30) → Replace the batteries with new LR6 (size AA) alkaline batteries. (page 30)
The playing time is too short when powered with the rechargeable batteries.	→ Charge and discharge the rechargeable batteries several times. (pages 28)
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. (page 28) → Replace the batteries with new LR6 (size AA) alkaline batteries. (page 30)
“Lo batt” or “HI dc In” appears in the display and the player does not operate.	→ Use only the AC power adaptor in “Accessories (supplied/optional).” (page 35) → Remove all power sources, then insert the batteries or connect the AC power adaptor again. (pages 7, 28)
“HOLD” appears on the display when you press a button.	→ The buttons are locked. Slide the HOLD switch back. (page 24)

Symptom	Cause and/or corrective actions
Cannot adjust the volume with the VOLUME +/- buttons on the player.	→ The player is connected to an audio device. Adjust the volume using the volume control on the connected device. (page 8, 10)
No picture appears on the TV screen.	<ul style="list-style-type: none"> → Make sure the TV is turned on. → Make sure you select the correct video input on the TV. → Connect the video connecting cord correctly. → An audio CD is being played. → Close the lid of the player and the battery compartment firmly. → Make sure the following mark is on the VIDEO CD.
	<div style="text-align: center; margin-bottom: 10px;">  </div> <ul style="list-style-type: none"> → You may not play back some illegally duplicated VIDEO CDs even though they have the above mark printed. In this case, consult the shops where you bought the VIDEO CDs
Picture is distorted.	<ul style="list-style-type: none"> → When you pause or use search, picture is distorted. This is not a malfunction. → The VIDEO CD is defective. Replace the VIDEO CD. → The VIDEO CD is dirty. Clean the VIDEO CD. → The color system you have selected for this player is not the same as the one the VIDEO CD is recorded with. (page 7)
Picture is blurred or becomes monochrome.	→ Check the setting of the NTSC/PAL switch. (page 7)
Picture is distorted, noise is heard or playback stops.	→ Move a portable telephone, transceiver, etc. away from the player.
The wireless remote control does not function.	<ul style="list-style-type: none"> → If 5 minutes have already passed after you turned off the player by pressing ■, you cannot turn on the power using the wireless remote control. In this case, press ► on the player to turn on the power. Once the player is turned on, you can operate the player with the wireless remote control. (Only when using the player on alkaline batteries) → Remove any obstacles between the wireless remote control and the remote sensor. (page 12) → Replace all the batteries in the wireless remote control with new ones if they are weak.
The CD player does not start charging.	→ During stop, press ■/CHG. (page 28)

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Specifications

System

Compact disc digital audio/video system

Laser diode properties

Material: GaAlAs

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

Emission duration: Continuous

Laser output: Less than $44.6 \mu\text{W}$

(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.)

Error correction

Sony Super Strategy Cross Interleave Reed

Solomon Code

D-A conversion

1-bit quartz time-axis control

Channel number

2 channels

Frequency response

20 - 20,000 Hz ± 1 dB (measured by EIAJ CP-307)

Output (at 4.5 V input level)

Audio output (stereo minijack)

Output level 0.7 V rms at 47 kilohms

Recommended load impedance over 10 kilohms

Video output (minijack)

Output level 1Vp-p at 75 ohms

Recommended load impedance 75 ohms

Headphones (stereo minijack)

Approx. 5 mW + Approx. 5 mW at 16 ohms

Power requirements

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

- Two LR6 (size AA) batteries: 3 V DC
- AC power adaptor (DC IN 4.5 V jack):
220 V, 50/60 Hz (HK2)
220 V - 230 V, 50/60 Hz (E13)
220V, 50 Hz (CN2)
- Two Sony NH-WM2AA rechargeable batteries: 2.4 V DC
- Two Sony NH-7WMAA rechargeable batteries: 2.4 V DC
- Sony DCC-E245 car battery cord for use on car battery: 4.5 V DC

Battery life* (approx. hours)

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

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

	VIDEO CD	Audio CD
Two NH-7WMAA (charged for about 4 hours**)	1	10
NH-WM2AA (charged for about 4 hours**)	3	20
Two Sony alkaline batteries LR6SG	3	35

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

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

Operating temperature

5°C - 35°C (41°F - 95°F)

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

Approx. 131.5 × 25 × 141.4 mm

(5 1/8 × 3/4 × 5 1/8 in.)

Mass

Approx. 239 g (8.4 oz)(excluding rechargeable batteries)

Approx. 298g (10.5 oz)(including rechargeable batteries and a CD)

Design and specifications are subject to change without notice.

Accessories (supplied/optional)

Supplied accessories

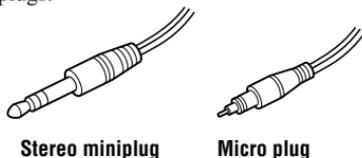
- AC power adaptor (1)
- Audio cable (1)
- Video cable (1)
- Wireless remote control (1)
- Earphones with remote control (1)
- Rechargeable batteries (2)
- Battery carrying case (1)
- Carrying case (1)

Optional accessories

Active speaker system	SRS-Z1 SRS-Z1000
Car battery cord	DCC-E245
Car battery cord with car connecting pack	DCC-E26CP
Car connecting pack	CPA-9
Connecting cord	RK-G129HG RK-G136HG
Optical digital connecting cord	POC-5B POC-10B POC-15B POC-5AB POC-10AB POC-15AB
Rechargeable battery	NH-WM2AA
Earphones	MDR-E848LP MDR-EX70LP MDR-A44L MDR-A110LP
GLASSTRON	PLM-A55

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.

Glossary

Index

Markings assigned for particular points to divide a track or a whole disc. By using indexes you can easily find particular points you want. There are two types of index—one is for audio CDs and the other is for VIDEO CDs. This player only conforms to the latter type of index, called “Video Index.”

PBC Playback

Playback using the menus recorded on VIDEO CDs with PBC functions. You can enjoy simple interactive operations using the PBC Playback.

Playback Control (PBC)

Signals encoded on VIDEO CDs (Version 2.0) to control playback.

By using menus recorded on VIDEO CDs with PBC functions, you can enjoy playing simple interactive software, software with search functions, and so on. When you insert a VIDEO CD with PBC functions on this player, “PBC” appears on the display.

Track

Markings differentiating pictures or songs recorded on VIDEO CDs or audio CDs. Each track is assigned with a number, called “Track Number.”

VIDEO CD

A compact disc containing moving pictures. Picture data is compressed to 1/120th of the original data in the MPEG 1 format (one of the worldwide standards of digital compression technologies) and recorded on a disc.

A 12 cm VIDEO CD can reproduce up to 74 minute’s length of moving pictures. Audio data is also compressed so that a VIDEO CD can contain 6 times as much audio data as an audio CD.

There are 2 versions of VIDEO CDs.

- Version 1.1: You can play only moving pictures and sounds.
- Version 2.0: You can play still pictures and enjoy PBC functions.