

DAEWOO

DVD-VIDEO PLAYER



Owner's Manual

SD-8500P/SD-8800P

- Region code of DVD/Video player is region "3" or ALL. Inserting a disc with another region code, it will not operate. Please only use a disc with region code 3 or ALL.
- Ⓞ is a 'DO NOT' mark. If this mark is displayed in operating the product, please wait for a while, then use it. If "Ⓞ DO NOT" mark continues to be displayed in pressing a button after that, it means the button does not function in the currently played disc.
- Press a product button on the REMOTE then use the product.
 - DVD operation : [DVD] button
 - Video operation : [VCR] button

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Important Safeguards

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



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



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

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

IMPORTANT FOR LASER PRODUCTS

- **LASER :** This Digital Video Disc Player employs a Laser System. To ensure proper use of this product please read this owner’s manual carefully and retain for future reference. Should the unit require maintenance, contact an authorized service location - see service procedure. Use of control adjustments or the performance of procedures other than those specified may result in hazardous radiation exposure. To prevent direct exposure to the laser beam, do not try to open the enclosure. Visible laser radiation when open and interlocks defeated. **DO NOT STARE INTO THE BEAM.**
- **DANGER :** Visible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
- **CAUTION :** Do not open the top cover. There are no user serviceable parts inside the Unit; leave all servicing to qualified service personnel.

**CLASS 1
LASER PRODUCT**

CAUTION: Any changes or modification in construction of this device which are not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

- **Ensure adequate ventilation by leaving an air gap of at least 8cm at the sides, top and back of the unit. Do not cover any ventilation slots or holes.**
- **This unit shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on this unit.**
- **The STANDBY / ON power switch on the unit does not disconnect it from the mains. To disconnect it from the mains, you have to unplug it.**

This set has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated in this unit will protect you if you observe the following procedures for installation, use and servicing. This unit is fully transistorised and does not contain any parts that can be repaired by the user.

1 READ INSTRUCTIONS

All the safety and operating instructions should be read before the unit is operated.

2 RETAIN INSTRUCTIONS

The safety and operating instructions should be retained for future reference.

3 HEED WARNINGS

All warnings on the unit and in the operating instructions should be adhered to.

4 FOLLOW INSTRUCTIONS

All operating and use instructions should be followed.

5 ATTACHMENTS

Do not use attachments unless recommended by the unit’s manufacturer as they may cause hazards.

6 WATER AND MOISTURE

Do not use this unit near water- for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement, or near a swimming pool.

7 ACCESSORIES

Do not place this unit on an unstable cart, stand, tripod, bracket, or table. The unit may fall, causing serious injury to a child or adult as well as serious damage to the unit. Use this unit only with a cart, stand, tripod, bracket, or table recommended by the manufacturer.

PORTABLE CART WARNING
(symbol provided by RETAC)



7A

A unit and cart combination should be moved

with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

8 VENTILATION

Slots and openings in the case are provided for ventilation to ensure reliable operation of the unit and to protect it from overheating. These openings must not be blocked or covered. These openings must not be blocked by placing the unit on a bed, sofa, rug, or other similar surface. This unit should never be placed near or over a radiator or heat radiator. This unit should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer’s instructions have been adhered to.

9 POWER SOURCES

This unit should be operated only from the type of power source indicated on the rating label. If you are not sure of the type of power supply to your home, consult your dealer or local power company. For units intended to operate from battery power, or other sources, refer to the operating instructions.

10 MAINS PLUG

We have fitted this unit with a standard mains plug.

- If the mains lead gets damaged it must be replaced by a qualified service agent with an approved lead of the same type.
- If the plug is cut off, remove the fuse from the plug and get rid of it safely, as if you put it into a supply socket it would be dangerous.
- If you change the plug because the standard plug is damaged or unsuitable, please destroy the old plug as it would be dangerous if plugged into a live power outlet. Follow the wiring instructions supplied with the new plug.

11 POWER-CORD PROTECTION

You must make sure the mains lead cannot be walked on, crushed, chafed, cut, and so on.

12 LIGHTNING

For added protection for this unit during a lightning storm, or when the unit is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the unit due to lightning and power line surges.

13 DISC TRAY

Keep your fingers well clear of the disc tray as it is closing.

14 OBJECT AND LIQUID ENTRY

Never push objects of any kind into this unit through openings as they may touch dangerous voltage points or "short-out" parts that could result in a fire or electric shock. Never spill liquid of any kind on the unit.

15 BURDEN

Do not place a heavy object on or step on the product. The object may fall, causing serious personal injury and serious damage to the product.

16 DISC

Do not use a cracked, deformed or repaired disc. These discs are easily broken and may cause personal injury and product malfunction.

17 DAMAGE REQUIRING SERVICE

Unplug this unit from the wall outlet and refer servicing to qualified service personnel under the following conditions.

- A. When the power-supply cord or plug is damaged.
- B. If liquid has been spilled, or objects have fallen into the unit.
- C. If the unit has been exposed to rain or water.
- D. If the unit does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require work by a qualified technician to restore the unit to its normal operation.
- E. If the unit has been dropped or the cabinet has

been damaged.

18 REPLACEMENT PARTS

When replacement parts are required, have the service technician verify that the replacements he uses have the same safety characteristics as the original parts. Use of replacements specified by the unit manufacturer.

19 SAFETY CHECK

Upon completion of any service or repairs to this unit, ask the service technician to perform safety checks recommended by the manufacturer to determine that the unit is in safe operating condition.

20 HEAT

The product should be situated away from heat sources such as radiators, stoves, or other products (including amplifiers) that produce heat.

21 NORMAL USE

This product is only designed for household or similar general use. Any other use may invalidate the guarantee and could be dangerous.

MAINS FUSE IN THE UK

If you use a 13 amp (BS 1363 type) plug, you must have a 3 amp (BS1362 type) fuse fitted. For any other type of plug or connection, you must fit a fuse rated between 3 and 5 amps in the mains plug or adapter, or at the fuse box feeding this unit.

EUROPEAN SYMBOLS



This unit is double insulated and an earth connection is not required.



This unit complies with European safety and electrical interference directives.

Advantages of This Product Are

- DVD, VCD, CD, CD-R(MP3), CD-RW, VHS
- Watching DVD and recording broadcasts
- Integrated remote control (VCR, DVD)
- VISS function
- Multiplex sound playback/record
- High Sound Quality of 6 head Hi-Fi
- Simple record function
- MP3 file playback function (CD-R disc having records of MP3 files)
- GUI (Graphical User Interface) through OSD (On Screen Display)
By using the [DISPLAY] button on the remote control, information on the DVD/VCD/CD player and disc, can be displayed on the TV screen.
- Screensaver function (DVD)
- 3D sound (3D sound effect using 2 speakers)
- High bit / High sampling with 27MHz / 10bit video encoder
- High bit / High sampling with 96MHz / 24bit Audio D/A Converter
- Coaxial, Optical digital Audio output (PCM, Dolby Digital, dts)
You can enjoy high-level digital audio by connecting with an amplifier embedded with Dolby Digital / dts decoder.
- Built-in Dolby Digital decoder (DVD)
- Analog audio 2-channels output for DOWNMIX (x1)
- Composite video output (x1)
- Slow Forward / Reverse playback (DVD)
- Fast Forward / Reverse playback
- Search of title, chapter, and time in DVD disc, and search of time and track time in VCD and CD
- Various TV aspect (DVD)
4:3 for Pan and Scan, 4:3 for Letter Box, and 16:9 for Wide
- Repeat playback (title, chapter, and part for DVD/ track, disc, and part for VCD/CD)
- Selective Play (DVD/VCD/CD)
You can select and play the desired title / chapter of DVD and track of Video CD/CD in STOP mode.
- 10 languages OSD (On Screen Display) function (DVD)
You can select and display OSD in 10 languages. (E / F / S / G / I / D / R / C / H / P)
- Parental Lock function (DVD)
This function can prevent playback of software that may be unsuitable for children.
- Multi Audio function (DVD)
The audio soundtrack can be heard in up to 8 languages. In the case of SVCD or VCD, it depends on the disc. (The number of audio languages depends on the software.)
- Multi Subtitle function (DVD)
The subtitle can be seen in up to 32 languages. In the case of SVCD or VCD, it depends on the disc. (The number of subtitle languages depends on the software.)
- Multi Angle function (DVD)
This function allows you to choose the viewing angle of scenes which were shot from a number of different angles. (The number of angles depends on the software.)
- Screen zoom function (DVD/VCD)

Read Carefully before Using

Cautions in use of DVD-Video player are described below. Please read carefully before using a DVD-Video player.

✓ Installation place and handling

- When you place this player near other devices, they may affect poorly together.
- When you place DVD-Video player above or below a TV, it may cause flickering of pictures or failure (tape is not ejected).
- When you place this player near strong magnetic materials, it may affect image or voice poorly or damage recording.
- Do not spill volatile liquids like insect spray over the player. Do not leave rubber or plastic products in contact with the player for a long time. They will cause deterioration or paint to peel-off.

✓ Not in use

- When the unit is not in use, be sure to remove the disc or tape and turn off the power.
- If you do not use the unit for a long period, remove batteries in remote control to prevent leakage.
- If you don't use the unit for a long time, the unit may not function properly in the future. Turn on and use the player occasionally.

✓ Moving

- Repack the unit as it was originally packed at the factory. Alternatively, pack this product with towel to prevent transit damage.
- Eject any videotape.

✓ Cleaning

- Dust off dirt in cabinet or control panel part smoothly with a soft cloth.
- For heavy dirt, soak the cloth in a weak detergent solution, wring it well and wipe. Use a dry cloth to wipe it out.
- Follow instructions in using chemical cleaners.
- Do not use any type of solvent such as gasoline or benzene, as they may cause deterioration or paint to peel-off.

✓ Checking

- The video is a high precision device. To obtain a clear picture, we recommend regular inspection and maintenance every 1,000 hours of use by technical engineers.
- For checking, contact your dealer or your nearest service centre.

✓ Checking and Replacement of Antenna

- The antenna is subject to change in its direction or damage by wind and rain. For a clear picture, contact and consult your nearest aerial rigger about checking and replacement.

✓ Recording important pictures

- Be sure to record the screen and check whether recording is performed properly. Bad recordings can result if using poor quality tapes.

✓ Copyright

- Do not use your recordings without permission of a copyrighter except personal usage.

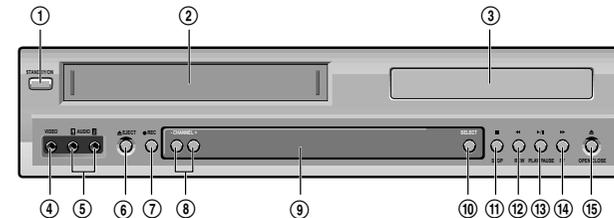
✓ Tape and Disc Handling

- Do not use any tape and disc in conditions listed below. Damage of video head or cut/coiling of tape may cause failure.
 - Tape with mold
 - Tape or disc stained with juice or food particles
 - Tape having breakage connection
 - Disassembled tape
 - Disc with severe scratch
- Moisture condensation may occur on tape. Moisture condensation damages the tape. Only use the tape after the moisture condensation has disappeared.
- After use, store tape vertically in a case to prevent the tape from becoming loose.
- Do not store in the following places.
 - High temperature and humidity
 - Subject to generation of mold
 - Subject to direct sunlight
 - In dirt or dust
 - Near strong magnetic materials such as a speaker

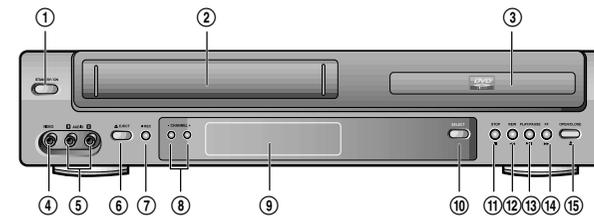
Identification of Controls

Main body (front panel)

SD-8500P



SD-8800P



① POWER (STANDBY/ON) button

Use to power the device on/off if AC power supply is connected.

② Place to insert videotape

③ Disc tray

④ VIDEO INPUT jack

⑤ AUDIO INPUT jack

⑥ EJECT button

⑦ RECORD button

⑧ CHANNEL Up/Down button

⑨ Operation Display Window

Displays operation of device. For more information, see "Operation Display Window" as below.

⑩ SELECT button

Use to change DVD mode to VCR mode, and vice versa.

⑪ STOP button

Use to stop playing.

⑫ REWIND button

Use to rewind currently being played, videotape or disc; or to review.

⑬ Playback/PAUSE button

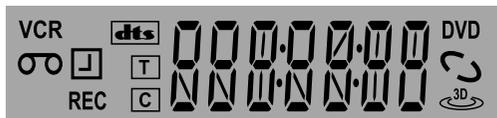
Playback videotape or disc. Press this button to pause a picture.

⑭ FAST FORWARD button

Use to wind currently being played videotape or disc; or to playback rapidly.

⑮ OPEN/CLOSE Tray button

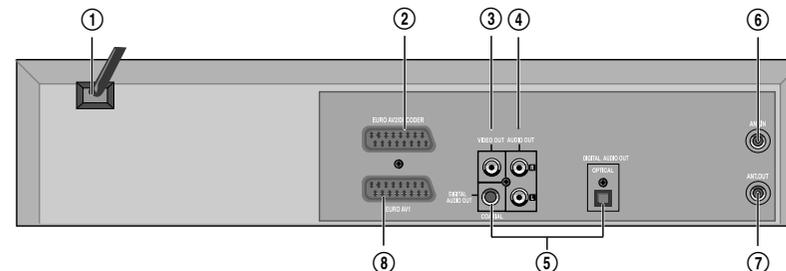
Operation Display Window



- VCR** VCR Operation
- REC and TIMER REC display**
 - REC** Recording, **TIMER Recording**,
 To be Timer-recorded,
 To be Timer-recorded state **ERROR**
 (No Tape or Tape without tab)
 - dts Disc Indicator**
 - Title** This is displayed when playing a VCD and CD disc.
 - Chapter** This is displayed when playing a DVD disc.

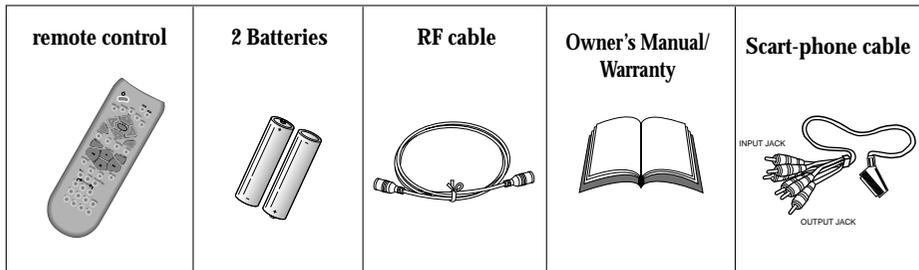
- Time, Counter and Current Operation**
- OPEN** Tray is opened
 - CLOSE** Tray is closed
 - LOAD** Disc is loaded
 - NO DISC** There is no disc in tray
 - ERR DISC** Disc has some error
 - MENU** Menu screen is displayed
 - SETUP** Setup menu is displayed
 - ON** Power is ON
 - OFF** Power is OFF
- 3D Sound Indicator**
- DVD Disc Operation**

Main body (Rear Panel)



- ① **POWER CORD**
Connect to outlet in a wall.
- ② **EURO AV2/DECODER Jack**
- ③ **VIDEO OUTPUT Jack**
- ④ **AUDIO OUTPUT Jack**
- ⑤ **DIGITAL OUTPUT (OPTICAL/COAXIAL) Jack**
To enjoy theatre sound quality in the home, connect this jack with amp or unit embedded with digital audio decoder.
- ⑥ **Connection to ANTENNA Cable**
- ⑦ **Connection to TV**
- ⑧ **EURO AV1 Jack**

Accessories

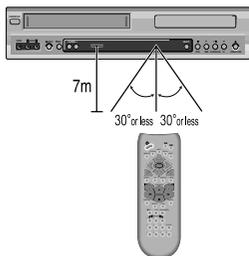


- To purchase accessories or not supplied additional parts, contact your nearest dealer or service centre.

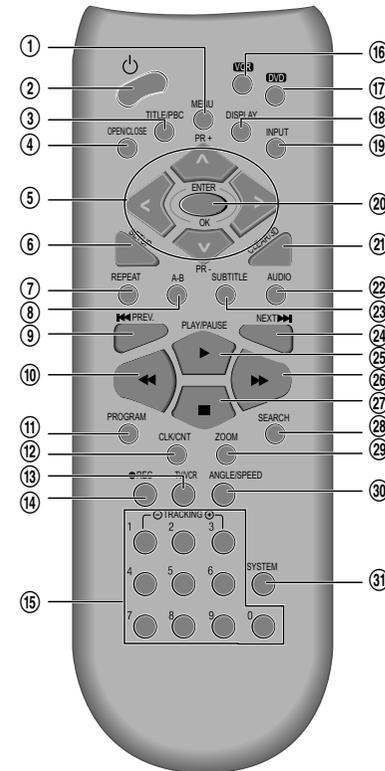
N.B.: Owner's manual and warranty are not sold additionally.

Instructions in using REMOTE

- Operate remote control within 7m from the unit.
- Do not press 2(two) buttons at the same time.
- Excessive sun light falling on the remote receiver may cause the remote control to become inoperative.
- Do not keep in the place with much dust and humidity.



Remote Control



Child Lock!!!

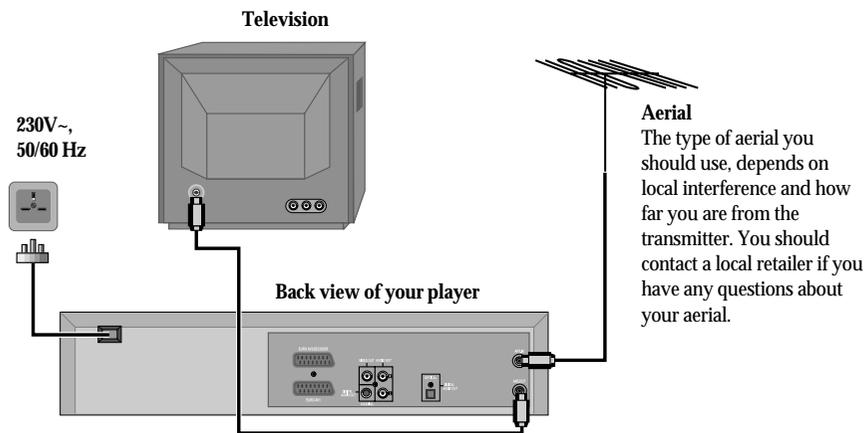
Press the power [⏻] button of the remote for about 5 seconds. No buttons of front panel can be operated now and Lock indicator ("LOCK") will be displayed on window display. To release child lock, press any button of the remote control.

- ① [DVD] MENU button
- ② POWER button
- ③ [DVD] TITLE/PBC button ("PBC" means Play Back Control menu.)
- ④ [DVD] OPEN/CLOSE button, [VCR] EJECT button
- ⑤ [DVD, VCR] MOVE/SELECT in OSD, [VCR] Channel Up/Down button
- ⑥ SETUP button
- ⑦ [DVD] REPEAT Playback button
- ⑧ [DVD] REPEAT a defined period from A to B button
- ⑨ [DVD, VCR] PREVIOUS button (move into a previous chapter or track)
- ⑩ REVERSE SEARCH button
- ⑪ [DVD, VCR] PROGRAM button
- ⑫ [DVD, VCR] CLOCK/COUNTER button
- ⑬ [VCR] TV/VCR button
- ⑭ [VCR] Record button
- ⑮ [DVD, VCR] NUMBER button, [VCR] TRACKING -/+ button
- ⑯ VCR SELECT button
- ⑰ DVD SELECT button
- ⑱ [DVD, VCR] OSD DISPLAY button
- ⑲ INPUT Selection button
- ⑳ ENTER/OK button
- ㉑ CLEAR/3D button
- ㉒ [DVD] AUDIO LANGUAGE Select, [VCR] AUDIO Select button
- ㉓ [DVD] SUBTITLE Select button
- ㉔ [DVD] NEXT button (Move into a next chapter or track), [VCR] Frame Advance button in pause mode
- ㉕ PLAY/PAUSE button
- ㉖ FORWARD SEARCH button
- ㉗ STOP button
- ㉘ [DVD] Chapter/Title/Time SEARCH button
- ㉙ [DVD] ZOOM button
- ㉚ [DVD] ANGLE, [VCR] Record SPEED button
- ㉛ SYSTEM button (This button is not available for this set)

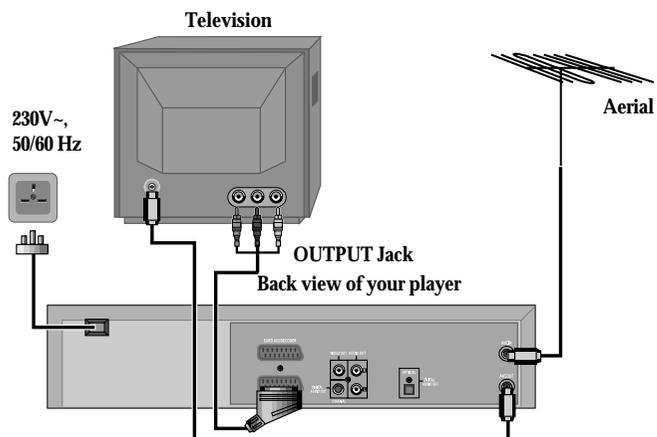
Setting up your player

■ Before you start, unplug all the equipment from the mains supply.

(Option 1) - Connecting your player through RF lead



(Option 2) - Connecting your player through a scart lead



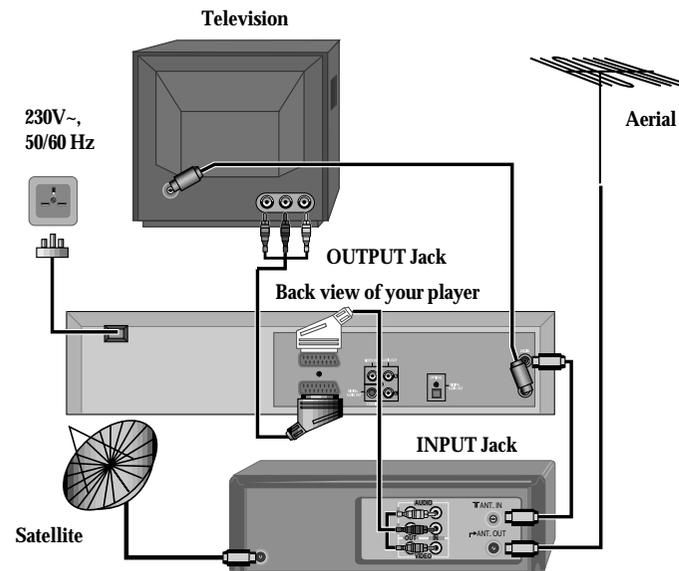
With this connection, if your player is receiving CH BBC1 and your TV is displaying CH3, when you press the [TV/VCR] button on the remote control, your TV will automatically display the CH BBC1. "VCR" will be shown in the display.

In this mode, to change the viewing channels the [PR-] and [PR+] buttons on the player remote need to be used. To switch off this mode press [TV/VCR] on the remote control, TV remote can now be used as normal. You will get better pictures and sound quality if you connect your player using a scart lead.

Connecting your player through extra equipment (satellite system)

■ Before you start, unplug all the equipment from the mains supply.

(Option 1) - Connecting your player through RF lead

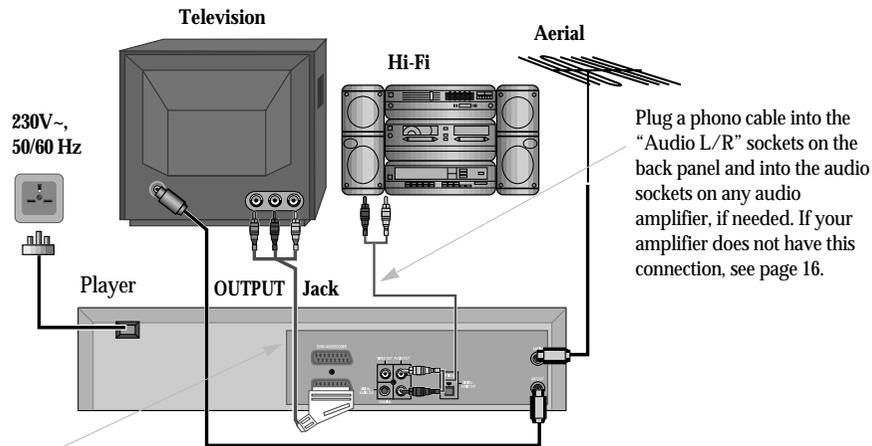


You can also use this scarted connection if your player has two scart sockets. This will improve sound and picture quality when you are recording from a satellite.

Connecting your player to the Hi-Fi system

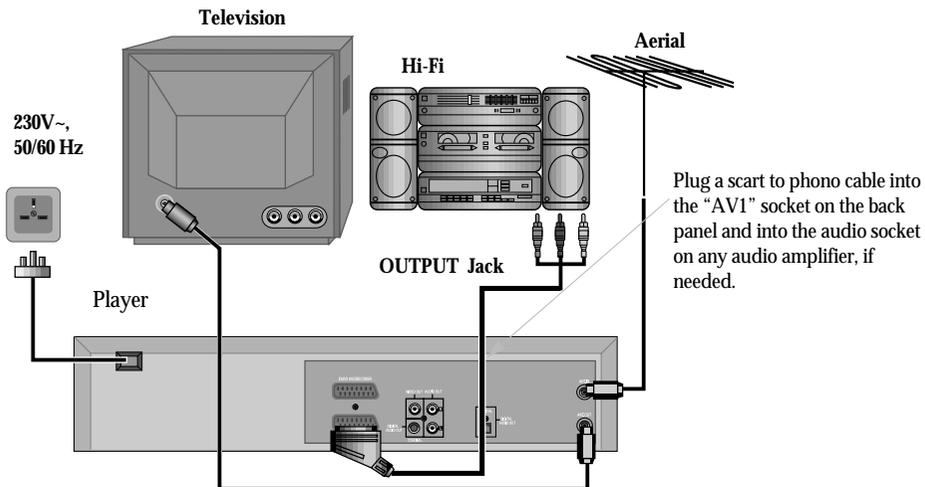
■ Before you start, unplug all the equipment from the mains supply.

Option 1



You can also use a scart lead to improve picture and sound quality from your player.

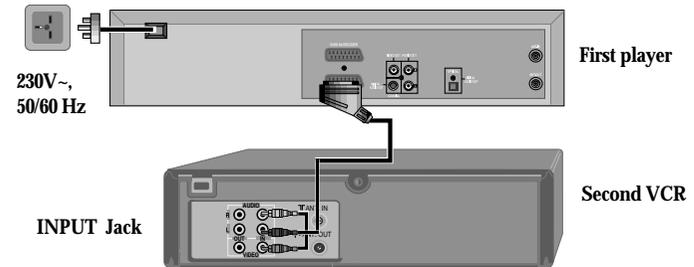
Option 2



To make VCR tape to tape recordings

■ Before you start, unplug all the equipment from the mains supply.

How to connect



- 1) Insert the tape you wish to record on into the first player and press [INPUT] until "AV1" appears on the front display.
- 2) Insert the tape you wish to copy from into the second player. Press the [PLAY] button on the second player.
- 3) Press the [RECORD] button on the first player.

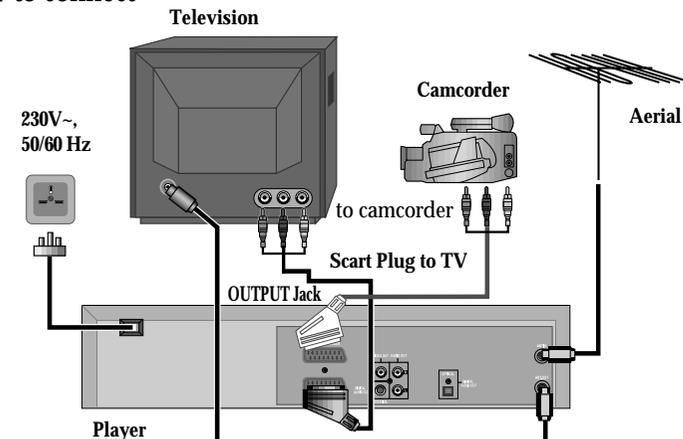
The player will start recording.

If your player has two scart sockets, you can use the other socket "AV2" to connect other equipment. To use this function, see page 17.

How to connect your player to a camcorder

■ Before you start, unplug all the equipment from the mains supply.

How to connect



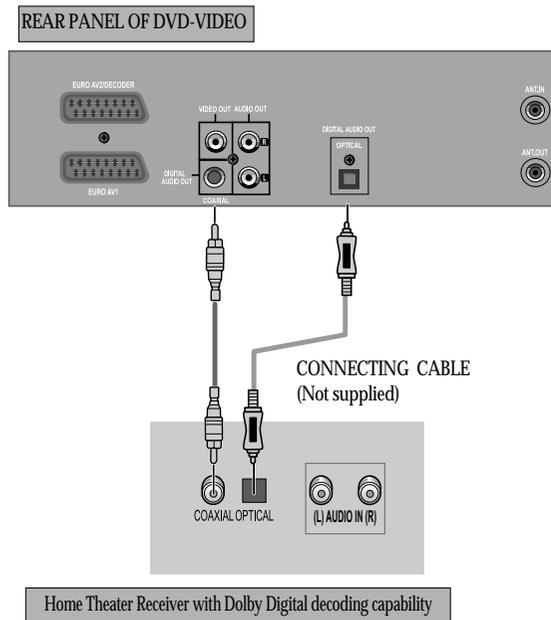
If you have connected your camcorder in this way, you can also connect a scart lead from "AV1" on the back panel of the player to the television. To use this function, see page 17.

You can also connect the camcorder by using a phono cable if your player has front input sockets. Check the front of your player for these connections, see page 17.



Connecting Dolby Digital Amp with Digital Audio Out Jack

How to connect



1 Select either COAXIAL or OPTICAL to connect to a Dolby Digital Amplifier.

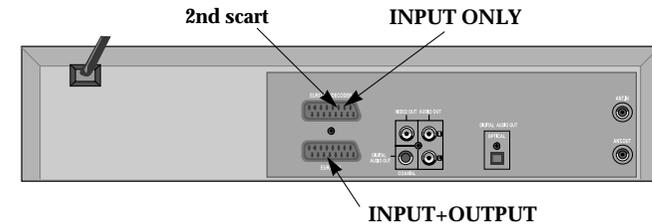
** If you want to know about "Dolby Digital", please refer to [About DVD] in 49-50p.

Manufactured under license from Dolby Laboratories.
"Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

2nd scart socket

2nd scart socket

If your video has a 2nd scart socket, as shown in the diagram below, you can connect other equipment as seen on pages 13-15.

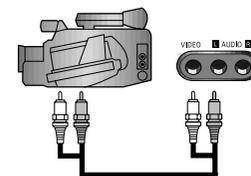


When connecting other equipment please refer to their manuals for further information. This video manual recommends the set up as shown on page 13. When connected by this method if the equipment is turned off the video behaves as normal, but if the equipment is turned on the video will automatically switch over to AV2 mode and displays the channel of the other equipment, channel selection can only be performed by the other equipment, the video PR+ /PR- buttons have no effect.

To return to normal video use the other equipment must be turned off.

Recording from other Equipment.

Simple recording can be performed, ensure the equipment is turned on and is displaying the correct channel. Timer recording, set the video to perform a timed recording ensuring AV1 is selected as the channel to be recorded. Some equipment may have a timer which allows it to be powered on to the correct channel, if this feature is not available the other equipment should be left powered on.



Front AV

If the VCR/DVD player has front input sockets, it is possible to connect devices such as a camcorder to the video. To watch a camcorder tape the video must be in AVF mode. Recordings of this input are the same as described on pages 12-15.

Initial Installation

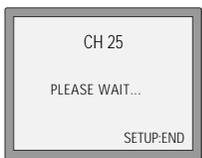
- Switch the TV on.
- You can also start "AUTO SET" in the SETUP "PR PRESET" → "AUTO SET".
- To tune in new stations (manual tuning) and enter station names see page 25-26.

Setting up the player

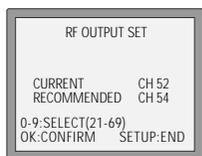
1 You should see this picture the first time you switch on the TV and player.



2 **OK for "AUTO SET!".** "AUTO SET" tunes in all the stations you can receive in your country and sorts them in an order common for your country. Clock is automatically set.



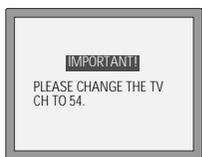
3 If other stations are positioned on near the current RF OUTPUT CH, the guide message appears automatically.



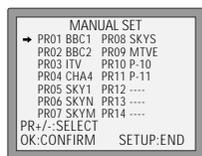
The player recommends the optimal RF OUTPUT CH number automatically.

4 Press the [OK] button to confirm the recommended PR.

Should you wish the stations to have the same numbers as those used on the TV, follow the instructions in "Sorting programme locations" on page 26.



Otherwise ... exit the basic installation function and enjoy your player.



- If you don't see this picture, because you don't use a SCART cable, search this picture now (CH 52) with the station tuning functions of your TV set (see its user manual).

- **RF 52** In case of interference problems on CH 52, type in an other transmission channel between 21 and 69 using the number buttons.

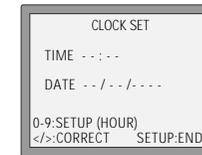
But use the optimum CH number first!

Setting time and date / Auto clock

Setting time and date

- Press [VCR] button on the remote control to change into VCR Mode and follow the procedure below.

1 Call the player's "SETUP", choose "VCR SETUP", then "CLOCK SET".



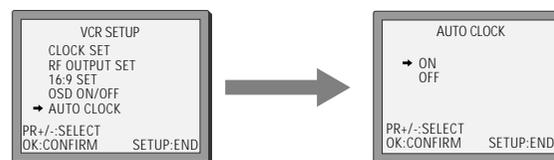
2 Move to the position you want to change and type in the new values. Wait a few seconds after typing a one-digit number.



Store with [OK] button and exit with [SETUP] button.

Setting Auto clock

- Auto Clock is only available for models with the VPS/PDC function (see page 27). Some broadcasting stations may send the time and date along with the VPS/PDC data. The video will automatically use this time and date during the initial setting up procedure during normal use, and every time you switch the video off at the mains. If you find that this time and date is incorrect you can remove this feature by following the steps below changing it to the OFF mode, you will then have to manually set the time and date, see above.

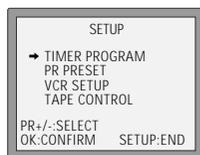


OSD ON & OFF

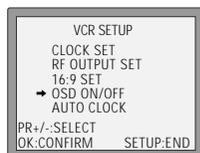
OSD (On Screen Display) ON & OFF

This player is set to "OSD (On Screen Display) ON" mode before shipping and you can change it to OFF mode.

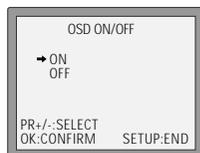
1 Call the player's "SETUP".



2 Choose "VCR SETUP".
And press the [OK] button.



3 Select "OSD ON/OFF".
If you want OSD OFF mode, select it and press [OK] button to confirm.
Then OSD characters are not displayed in the normal picture.



Output Select

To Select DVD

Press [DVD] button.

If DVD mode is correctly selected, DVD is displayed on the operation display. Then, REMOTE control works in DVD function.



To Select VCR

Press [VCR] button.

If VCR mode is correctly selected, VCR is displayed on the operation display. Then, REMOTE control works in VCR mode.

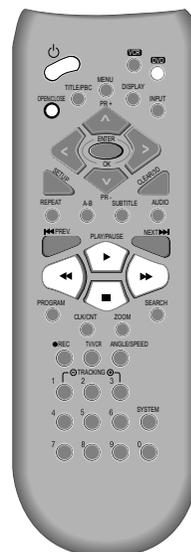


To Select Operation Mode or External Input

Press [INPUT] button.

Whenever you press [INPUT] button, DVD, VCR PLAYBACK, BROADCASTING RECEPTION and EXTERNAL INPUT will be selected in order and the operation DISPLAY of the unit will change according to the one which is selected.

DVD Playback



- 1** Press [] button to power on.
Press [DVD] button of REMOTE to select DVD mode.
- 2** Press [OPEN/CLOSE] button to open the disc tray.
Place a disc firmly on the disc tray, ensuring the disc's label is uppermost.
- 3** Insert the disc and press the [OPEN/CLOSE] button to close the tray.
The disc tray will close and after initialisation, Playback or Stop function starts to operate.
- 4** To playback it, press [PLAY/PAUSE] button.
 - In the case of DVD,
DVD menus and titles are displayed on the TV screen.
 - In the case of S-VCD and VCD2.0
the menus are displayed on the TV screen and are converted into PBC (Playback Control) mode.
 - In the case of CD, VCD1.1 and MP3,
the disc plays in order of its track numbers.
- 5** To stop it, press [] button.
For pause, press [PLAY/PAUSE] button in playback mode.
If you press this button once more, it starts playback again.
- 6** Press [OPEN/CLOSE] button to remove the disc.

Various Playback Methods

- If you want fast forward (cue) or reverse (review) playback, press [] or [] button in Playback mode.
* This reverse review playback may be unavailable for certain DVD's. Also unavailable for MP3.
- If you want slow (or reverse) playback, press [] or [] button in Pause mode. You can watch the desired scene in the slow forward (reverse) playback.
* In the case of Video CD, this reverse slow playback function is not available. The mark will appear.
- If you want a still picture, press [PAUSE] button in Playback mode. You can watch the desired screen in Pause status.

VCR Playback



- 1 Press [⏻] button to power on.
Press [VCR] button of remote control to change into VCR mode.
- 2 Insert the desired tape.
- 3 If you want to playback, press [PLAY/PAUSE] button.
When the operational status is flickering, adjust [TRACKING +/-] button.
- 4 To stop it, press [■] button.
For pause, press [PLAY/PAUSE] button in playback mode.
If you press this button once more, it starts playback again.
- 5 Press [EJECT] button on the front part of the unit or [OPEN/CLOSE] button on remote control to eject the tape.

Various Playback Methods

- If you want fast forward (or reverse) playback, press [▶▶] or [◀◀] button in Playback mode. You can watch fast playing cue/review (rewinding) screen.
- If you want Still picture, press [PLAY/PAUSE] in Playback mode. You can watch the desired scene in pause status.
- If you want slow-motion playback, press [▶▶] button in Pause mode. You can watch the desired scene in the slow forward cue playback.
** NOTE: VCR doesn't have Slow Reverse Playback function.*
- If you want to watch a series of screens one by one, (FRAME ADVANCE) press [NEXT ▶▶] button in Pause mode. Each time you press this button, the picture advances one frame.

To Adjust Display

This product includes automatic Tracking feature and enables users to enjoy clear pictures without any additional operation. Provided that the following problems can be solved by the manual adjustment, which improves display quality. (During automatic picture adjustment, "Adjusting Display" are displayed on TV screen.)

- If the picture is poor in Playback mode,
- If noises occur in the upper or lower part of the picture in slow playback (cue) mode,
- If paused picture vibrates up and down.

Use [TRACKING +/-] buttons of remote control to adjust the display for optimum viewing.



If the product, which has an auto-detector, detects a contaminated head(s), it displays the conditions on screen.

* In case of head contamination notice on screen, please clean the heads with a head-cleaner.

Recording

To Record With VCR



- 1 Press [⏻] button to power on.
• Press [VCR] button of remote control to change into VCR mode.
- 2 Insert a recordable tape.
Insert a tape with recording tab.
- 3 With [CHANNEL], [NUMBER] and [INPUT] buttons, select the desired broadcasting channel or external input unit to be recorded.
- 4 Select the desired speed (SP or LP) with [SPEED] button.
- 5 Press [REC] button.
Then, it starts recording.
- 6 If you want to pause recording, press [PAUSE] button.
After pressing [PAUSE] button, if the pause status continues for five minutes, the recording is released automatically.
- 7 To exit recording, press [STOP] button.

To Enjoy Another TV Channel or DVD during recording

- 1 If you want to watch another TV channel during recording with video, press [TV/VCR] button.
- 2 If you want to playback DVD during recording with video, insert a DVD disc.
Place the desired DVD disc on DVD tray, press [DVD] button to convert OUTPUT to DVD mode and press [PLAY] button. Then, you can watch the DVD.

To Copy From DVD To Videotape

- 1** Insert the desired DVD disc.
When the DVD disc is copyright protected, you can't copy it. If DVD disc is not copy protected then insert a blank tape.
- 2** Press [REC] button during playing of DVD.
DVD plays and VCR starts recording.
- 3** If you press STOP [■] button in DVD mode, DVD and VCR will stop at the same time.
If you press STOP [■] button in VCR mode, VCR stops to record and DVD continues to play.

N.B.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners.

Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

One Touch timer Recording (OTR)

- Should you want to record (for a timed period) whilst watching TV or you want to record the current TV program for the desired time, follow the procedures below.

- 1** First, follow the steps 1 to 4 in "Recording With VCR".
- 2** Press [REC] button reference the "Recording Times Table" below.

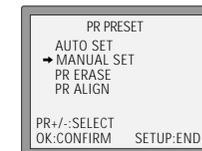
Once	continuous recording until you press STOP button
Twice	recording for 30 mins from current time
3 (times)	recording for 1 hour
⋮	Incrementing recording for 30 mins at each press.
9	recording for 4 hours
and so on	
- 3** To stop Recording, press [STOP] button more than 5 seconds.

Tuning in New Stations

- The TV and player are switched on.
- To see the picture from your player, press the station button on the TV reserved for player input or the AV (Audio / Video) button.
- "AV1/2" should not be selected with the AV button on the player.

Tuning

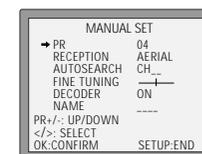
- 1** To complete the set-up of your video recorder when the auto set has not stored all of the channels or when you wish to store a new channel.
Call the video's "SETUP", choose "PR PRESET".



- 2** Select "MANUAL SET".

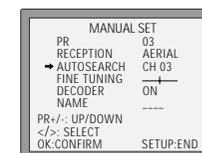


- 3** Choose any unused programme number "----" or "P-xx" ...
It's best to use the same programme number on both the TV and video.

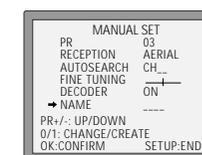


... and confirm by selecting "OK" button.

- 4** Set the station you want:
 - the programme number;
 - the broadcast system you want (Aerial (CH) or Cable (CC)),
 - You can directly enter the real channel number with the [0 to 9] buttons, or search by pressing [< / >],
 - The fine tuning you can adjust,
 - When the program is encoded (and you have a decoder connected to socket EURO AV2), press the [< or >] to select ON or OFF.
 - Change or create the station name.



- 5** Once you see the station you want, store it by selecting OK.
Tune in further stations (from step 3 onwards) or exit tuning mode.



Station names

- If your player is showing no station name or is showing a station name incorrectly, you can correct this.

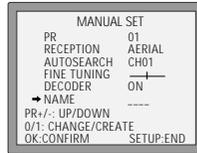
1

Call this menu (just see the previous page), if it isn't displayed.

Select NAME position.

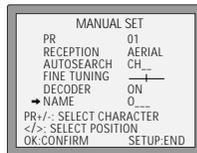
Press the [0] button to change the given name.

Or press the [1] button to create the station name.



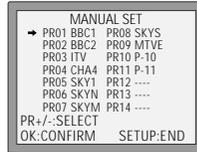
2

Either select the name from the stored list or create the station name and enter a 4-digit name. Change the letters with the [PR +/-] buttons, move to the next letter with the [< / >] buttons.



3

Store and exit.



Sorting programme locations

If the location numbers used for programmes stored in your TV and player are different, you can change them on the player. To do this, move the stations to the right numbers, until they are arranged the way you want.

1

Call the player's "SETUP", choose "PR PRESET" then "PR ALIGN".

2

Select the programme to swap.

Confirm by pressing OK button.

Move the station to the desired location number.

Confirm by pressing OK button.



Clearing programme locations

1

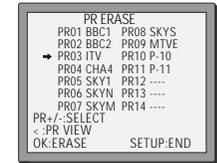
Call the player's "SETUP", choose "PR PRESET" then "PR ERASE".

2

Select the station (location number) you want to clear.

Review the picture by pressing [<] button.

Clear by pressing OK button.



Timer Recording

- For timer recordings, clock, date, and stations must be set correctly.
- Load a cassette with its safety tab in place and with sufficient free space for the recording.

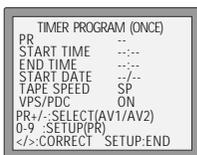
Normal timer recording

1 Call the player's "SETUP", choose "TIMER PROGRAM".
Decide if you want to record "ONCE", "WEEKLY" or "DAILY"...
... and confirm.

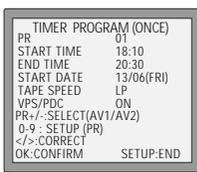


2 Type in one after the other:

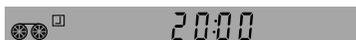
- The programme location number;
- the time the broadcast starts,
- the time the broadcast ends,
- the day of the broadcast, if it is not today.
- Select LP if you wish to make a very long recording.
- Switch off VPS/PDC here if you need to.



3 If you wish to make changes:
Move to the position you want to change using the [\leftarrow / \rightarrow] buttons. Change the setting using the [PR+/-] or [number] buttons.
If all settings are ok, press [\leftarrow or \rightarrow], till you see "OK : CONFIRM" in the bottom line.
Confirm.



Switch your player off.

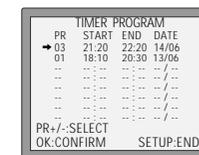


- Wait a few seconds after typing a one-digit-number.
- If you have made a mistake, move to the position you want to change using the [\leftarrow / \rightarrow] buttons and change the setting.
- If programme timings overlap, the machine will give a warning message. If you don't adjust the times, the machine will record the first programme completely then continue with the second one.
- If there is no sufficient free space for the recording on the cassette the video switches automatically to "LP" for double recording capacity.
- The recorder will eject cassettes which have the safety tab removed.

Timer Recording

Timer Review – changing and erasing

1 Call the player's "SETUP",
choose "TIMER PROGRAM".



2 Select the programming to change or erase.
If you want to erase this programming press button [0], confirm by selecting OK button.
If you wish to make changes:
Move to the position you want to change using the [\leftarrow , \rightarrow] buttons.
Change the settings using the [PR +/-] or [number] buttons.
If all settings are ok, press [\leftarrow or \rightarrow], until you see "OK: CONFIRM" in the bottom line.
Confirm changes with [OK]. Exit the menus.



More Functions

- The counter counts in real time from the point you load the cassette. This does not have to be its beginning! The counter does not count unrecorded parts of the tape.
- If you rewind beyond the zero position, the counter counts in negative values (e.g. - 0:01:15).

Clock / counter display

Each time you press [DISPLAY] button,

Press 1x: Time and date+current status → Time and date

Press 2x: Counter+current status → counter

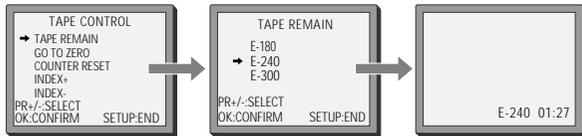
Press 3x: disappear.

But if you press [CLK/CNT] button, the display window will change to clock or counter depending upon selection made.

- If you don't wind tape (PLAY, FF, REW,...), the tape remain time doesn't appear.
- If using a broadcast signal for timer recording, press the button to display the VPS/PDC icon.



Remaining time and cassette length



Call the player's "SETUP", choose "TAPE CONTROL".

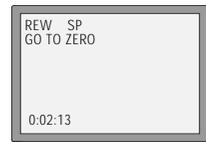
- Remaining time display is only possible when the cassette is loaded.

When you want the player to show the time remaining from the current player tape position (to find out if there is sufficient space for a recording, for example).

To ensure the remaining time shown is accurate, select the length of cassette currently loaded by selecting the function and specifying the correct length.

Accessing counter zero position

The player will wind to the position 0:00:00 and stop.



Resetting the counter to zero



Reset the counter.

16 : 9 Wide Screen Format Playing back / Recording

You can play and record the program of 16:9 Wide-Screen format with this player .

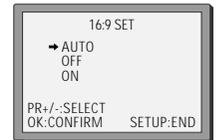
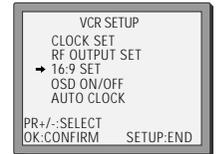
• 16:9 Set

-Auto : This video automatically detects the program format (16:9 or 4:3) and records or plays this program in the same format.

-ON : The video will play or record all broadcasts in 16:9 format. 4:3 broadcasts will be converted to 16:9 format.

-OFF : The video will play or record all broadcasts in 4:3 format only.

- If you watch a program which is recorded by 16:9 wide screen format with this player, your TV must have 16:9 wide screen function and you have to connect TV and player with the A/V scart.



AUTO REPEAT

If you press the [PLAY] button for 5secs during stop or still mode, it goes into Auto repeat mode. This player plays repeatedly the tape from the beginning to end parts.

To release this mode, press the [⏻] button or mode operation button. (PLAY, FF, REW or STOP)

Child lock

Press the [⏻] button for about 5 seconds.

No buttons of front panel can be operated now and LOCK INDICATOR ("LOCK") will be displayed on window display. Keep your remote control in a safe place.

To release child lock, press any button of the remote control.

Cassettes



Use only good quality tape cassettes with the VHS logo.

- Keep cassettes away from excessive moisture or dust, magnetic and electrical fields (loud speakers and computer monitors, for example).
- Always wind the tape to the beginning when you have finished. Store with the full spool at the bottom and with the cassette in its cover.

You can protect your precious recordings from being wiped by breaking out the safety tab on the side of the cassette (some cassettes have a slide). Should you wish to re-use the tape after removing the tab, cover the hole with adhesive tape.

and ...

Dimmer : Your player dims its display when switched to stand-by mode.

Auto power off : Your player switches to stand-by when no tape is played and no tuning signal is received for more than 5 minutes.

- The player records the complete sound signal transmitted by the TV station.
- On the mono VCR, you will hear the normal mono sound.

The Hi-Fi system

In addition to the normal mono sound track of VHS video recorders, your player is equipped with a high-quality Hi-Fi sound system.

This means you can enjoy

- films with excellent stereo sound
- films of full-length concerts in high quality stereo
- films with impressive Surround Sound using additional Surround equipment
- films with two dialogue modes (dual, bilingual), usually the original sound track and dubbed sound track
- VHS cassettes with Hi-Fi stereo sound and VHS cassette with normal sound

What you can listen to

During Stop, the player displays what the current station is broadcasting. When you switch to another station or the current station changes the sound mode, your player displays the programme and sound mode on screen (if not, press AUDIO).

- "STEREO" = stereo
- "BIL I / BIL II" =bilingual
- nothing= monaural sound



During Playback, the player displays what is recorded on the cassette (if not, press AUDIO).

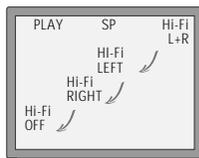
- "Hi-Fi" = stereo/bilingual
- nothing = monaural sound



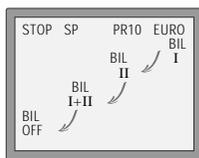
Choice of sound output

During a stereo performance (playback-"Hi-Fi" / broadcast - "STEREO"):

Hi-Fi stereo → left audio channel only → right channel only → the normal mono sound track of a Hi-Fi cassette



- During broadcasting a bilingual performance : Main language (original sound track) → sub-language (dubbed) → both main language and sub-language → OFF.
- For mono performances , there is no choice available.



Connections and Copying

- If you are using a SCART cable, select the AV input on the TV to see the picture from the player.
- If you are not using a SCART cable, select the programme number on the TV reserved for video input to see the picture from the player.

To the TV via antenna cable (if you are not using a SCART cable)

If you are not using a SCART cable, your player can transmit pictures and sound to the TV via the coax aerial cable. Just tune the TV to the player's transmitting channel (factory set to UHF CH 52). Tune the TV carefully to ensure the best pictures and sound.

1

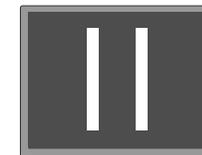
Once you have carried out the steps in "Connecting up the player" , switch on your TV.

Press the [OK] button of the player's remote control longer than 5 seconds to call the player's test picture.

Tune the TV to the test picture using the channel pre-set functions of your TV as described in its manual.

When you have found the test picture, store it under the button number on your TV for player input.

Press the [OK] button of the player's remote control again longer than 5 seconds to release the test picture.



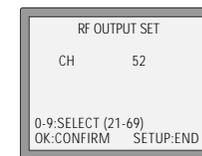
2

- If the quality of the test picture transmitted to the TV is poor due to interference caused by a station transmitting on channel 52, you can tune the player to a different transmitting channel. Find a free channel between 21 and 69 on your TV.

Call the player's "SETUP" choose "VCR SETUP" then "RF OUTPUT SET".

Type in the free channel.

Store and exit.

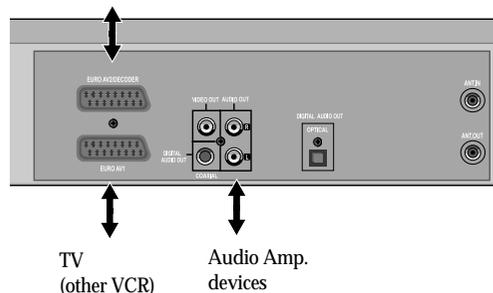


- If the quality of the test picture transmitted to the TV is poor, fine-tuning on the TV may help (refer to the TV manual).
- Without a scart cable, you will not get stereo sound from a TV capable of stereo sound.

- Switch off all components when connecting or disconnecting cables.

Copying

Other VCR
Decoder for Pay-TV
Camcorder
Video Player
Satellite Receiver



To copy to your player from another video machine, connect the two machines with a cable between their EURO AV (SCART) sockets and select as programme "AV 1/AV 2" or "F. AV" (front sockets) using the [AV], [PR+/-] or [INPUT] button.

Set the other video machine to playback and your machine to record.

- To connect a mono audio source, use the front Audio In socket marked L.

To copy to another video machine from your player, connect the two machines by means of their EURO AV (SCART) sockets.

On the other video, select its AV input and set the machine to record.
Switch your player to play back at the position you want copying to start.

Assembling

Should you wish to shoot your own film, from camcorder footage for example, use the assembly technique for smooth edit points:

- Move the tape to the position at which the new scene is to be added using the play functions.
- Wind back slightly before the edit point and put the machine into pause using the [PAUSE] button (do not press STOP!).
- Now go directly into record.

For the best results, the source cassette from which you are recording should already be playing back when you start recording.



Playing a desired scene

To skip scenes in a disc

DVD VCD VCD2.0 CD MP3

To move to next chapter (or track), press [▶▶ NEXT] button.

The current chapter (or track) moves to the next chapter (or track).

Press [◀◀ PREV] button.

The current scene moves to the previous chapter (or track) or first scene of current chapter (or track).

Directly moving to a desired title

DVD VCD

- Some movie discs may contain multiple titles. If the disc has a movie title menu recorded on it, the [TITLE/PBC] or [MENU] button can be used to select the movie title. Details of operation may differ depending on the disc used.

* Selecting a title may not be available on certain DVD discs.

- 1 Press the [TITLE/PBC] or [MENU] button.
A list of the titles on the disc is displayed.

* For the case of VCD disc, the menu screen will appear only when the disc has PBC function and PBC ON is activated.



- 2 Press the [ENTER] button or [PLAY] button after pressing the [< > ^ v] button to select the desired title.

The selected title now starts playing.



Playing a programmed order

DVD VCD CD

To cancel, move the cursor to the desired parts and press [CLEAR] button.

1 While in STOP or Playback, press [PROGRAM] button.

While the figure highlighted is appearing, please input the desired Title and Chapter number with NUMBER buttons. Press [ENTER] to memorize. Then input next number.

** In case of VCD and CD, please input TRACK Number.*

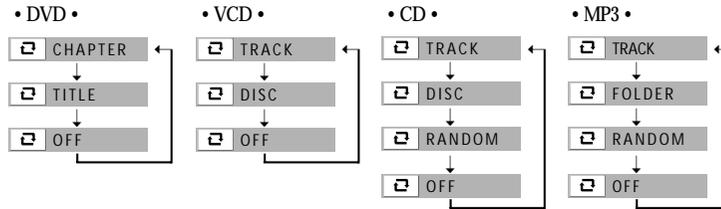


2 After completing setting, press [PLAY] button. Then, titles and chapters (track) are played in the above-programmed order. To exit from Program Play mode, press [PROGRAM] button.

Repeating a defined period

DVD VCD CD MP3

Each time you press [REPEAT] button in playback mode, repeat playback starts as below.



- CHAPTER : Current chapter will be repeatedly playback.
- TITLE : Current title will be repeatedly playback.
- TRACK : Current track will be repeatedly playback.
- DISC : Current disc will be repeatedly playback.
- RANDOM : Tracks in the disc will be playback in random order.
- FOLDER : Current folder will be repeatedly playback.
- OFF : Repeat playback will be cancelled.

Repeating a defined period from A to B

DVD VCD CD

■ You may repeat a defined period from A to B.

A MP3 disc may not be repeated from A to B.

1 At the point where you want to start the repeat playback, press [A-B] button. The figure on the right appears and repeat playback start position (A) is set.



2 At the point where you want to end the repeat playback, press [A-B] button again. The repeat playback end position (B) is set and a defined period from A to B is playback repeatedly.



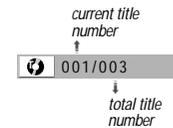
3 To exit from repeat playback mode, press [A-B] button. The machine will enter into Normal Playback mode.



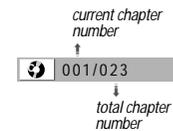
Searching DVD with a title number, a chapter number or a time

DVD

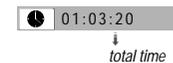
1 If you want to search with a title number, press [SEARCH] button one time. It shows current and total title numbers. Please enter the new title number to be searched using the [NUMBER] buttons.



2 If you want to search with a chapter number, press [SEARCH] button twice. It shows current and total chapter numbers. Please enter the new chapter number to be searched using the [NUMBER] buttons.



3 If you want to search with a time, press [SEARCH] button three times. Please enter the new time to be searched using the [NUMBER] buttons. In completing entering, please press [ENTER] button. PLAY starts from the selected position.



Searching VCD, CD and MP3 with a track or track time

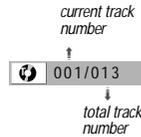
VCD CD MP3

1

If you want to search with a track number, press [SEARCH] button one time.

If PBC is OFF, the screen will be like the figure on the right. It shows current and total track numbers. Please enter the new track number to be searched using the [NUMBER] button.

* If PBC is ON, pressing track number converts PBC to OFF mode automatically.



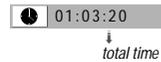
2

If you want to search with a track time, press [SEARCH] button twice.

If PBC is OFF, the screen will be like the figure on the right.

It shows total track time.

Please enter the new time to be searched using the [NUMBER] buttons.



3

In completing entering, please press [ENTER].
PLAY starts from the selected position.

Confirming the current PLAY mode on screen

Confirming the current DVD disc mode

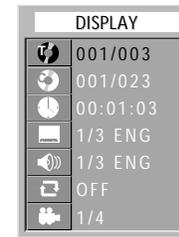
DVD

While in PLAY mode, press the [DISPLAY] button.

It shows the current disc mode.

If you want to change the mode, select the item with up/down cursor and enter the new settings with [number], [<] or [>] button. In completing entering, press [ENTER] button.

To exit from Display mode, press [DISPLAY] button again.



- channel number at current title / total title number
- channel number at current chapter / total chapter number
- time elapsed
- channel number at current subtitle / total subtitle number / subtitle selected
- channel number at current audio language / total audio language number / audio language selected
- repeat playback mode
- channel number at current angle / total angle number

Confirming the current SVCD/VCD2.0 disc mode

VCD2.0 SVCD

While in PLAY mode, press the [DISPLAY] button.

It shows the current disc mode.

If you want to change the mode, select the item with up/down cursor and enter the new settings with [number], [<] or [>] button. In completing entering, press [ENTER] button.

To exit from Display mode, press [DISPLAY] button again.



- channel number at current track / total track number
- time elapsed
- repeat playback mode
- PBC mode

Confirming the current VCD, CD, MP3, JPEG disc mode

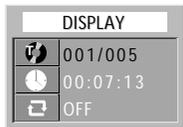
VCD CD MP3 JPEG

While in PLAY mode, press the [DISPLAY] button.

It shows the current disc mode.

If you want to change the mode, select the item with up/down cursor and enter the new settings with [number], [<] or [>] button. In completing entering, press [ENTER] button.

To exit from Display mode, press [DISPLAY] button again.



- channel number at current track / total track number
- time elapsed
- repeat playback mode

Selecting an AUDIO language, SUBTITLE language and 3D AUDIO

Selecting an audio language

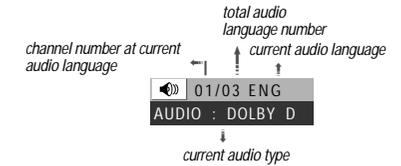
DVD

- The user may select an audio language and subtitle language if a disc includes Multi-language.

A certain disc may not support audio select or subtitle select.

Keep pressing [AUDIO] button till the user's preferred language appears in playback mode.

If DVD disc includes audio information, every time the user presses [AUDIO] button, English (ENG), French (FRE), Spanish (SPA) and others appear one by one.

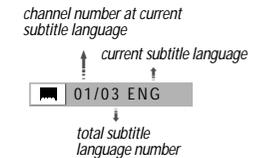


Selecting a subtitle language

DVD

Keep pressing [SUBTITLE] button till the user's preferred language appears in playback mode.

If a DVD disc includes subtitle information, every time the user presses [SUBTITLE] button, English (ENG), French (FRE), Spanish (SPA), ... and OFF appear one by one.



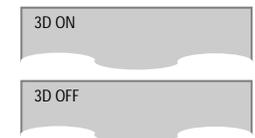
Selecting 3D Audio

DVD VCD CD

- Sound Fields can be set.

If you want to adjust Sound Fields, press the [3D] button.

Every time the user presses the [3D] button, the 3D sound changes 3D ON → 3D OFF → 3D ON one by one.



Selecting ZOOM and Multi Angle

Using a zoom function

DVD SVCD VCD

- The user can enlarge the current screen about 2 or 4 times.



For the case of SVCD and VCD, only 2 times Zoom is available.

During 4 time zoom, subtitle language can't be seen.

Keep pressing the [ZOOM] button till the preferred zoom appears.

Every time the user presses the [ZOOM] button, the zoom magnification changes 2 times (X2) → 4 times (X4) → OFF → 2 times (X2) → ... one by one. A base point to be enlarged is centre and the point can be changed with the operation of [< > ^ v] button.



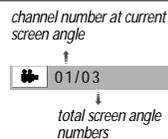
Different Angle

DVD

- If a disc includes multi angle information, the user can watch a screen in multi angles. The function is limited to a DVD disc supporting multi angle information.

Keep pressing the [ANGLE] button till the preferred angle appears.

Every time the user presses the [ANGLE] button, an angle degree changes in a consecutive order.



About MP3, JPEG discs

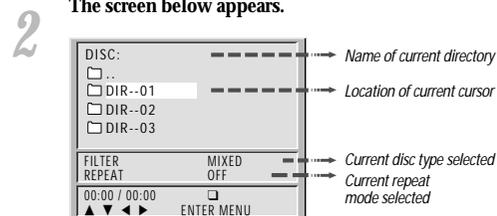
Playing a disc containing MP3, JPEG files

MP3 JPEG

This unit will play MP3, JPEG files recorded on CD-R and CD-RW discs.

- Turn on your television and select the channel assigned to this DVD player.
Press the DVD open [OPEN/CLOSE] button, the disc tray opens.
Put a disc containing MP3, JPEG files on the disc tray with the label side up.
Press the DVD open [OPEN/CLOSE] button, the disc tray closes.
The unit will take a short while to load the disc and display the directory structure.

The screen below appears.



- Select your disc type.
Move the cursor to FILTER by pressing [< > ^ v] button.
Keep pressing [ENTER] button till the user's preferred disc type. Every time the user presses [ENTER] button, disc type changes MIXED → MP3 ONLY → JPG ONLY → MP3 AND JPG → MIXED → ... one by one.



- Select the repeat playback mode.
Move the cursor to REPEAT by pressing [< > ^ v] button.
Keep pressing [ENTER] button till the user's preferred repeat playback mode. Every time the user presses [ENTER] button, repeat playback mode changes OFF → TRACK → FOLDER → RANDOM → OFF → ... one by one.

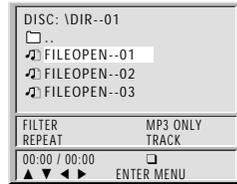


- Select the folder.
Move the cursor to desired folder by pressing [< > ^ v] button and press [ENTER] button to confirm.



6 **Select the file to listen to (or view).**
 Move the cursor to desired file which you want to listen to (or view) by pressing [`<` `>` `^` `v`] button and press [ENTER] button to confirm. The selected file will be playback.

** To disappear the directory screen, press [MENU] button in playback or stop mode. Press [MENU] button again to make it appear.*



■ **Play and Pause**

Press the [PLAY/PAUSE] button to switch between play and pause.

■ **Search for a track**

The [SEARCH] button works on MP3/JPEG discs as well as VCD/CD audio.

** In case [SEARCH] button is pressed in playback mode, folder tree view disappears and search bar is displayed.*

■ **To stop playback**

Press the [STOP ■] button.

■ **To skip to the next or previous file**

- Press the [▶▶ NEXT] button of the remote control briefly while playing, to skip ahead to the beginning of the next file. Each time you press the button consecutively, the beginning of the next file is located and played back.
- Press the [◀◀ PREV (Previous)] button of the remote control briefly while playing, to skip back to the beginning of the previous file. Each time you press the button consecutively, the beginning of the previous file is located and played back.



The ability of this unit to read MP3 discs is dependent on the followings:

- The Bit Rate must be within 64-256 kbps.
- The maximum number of directories should not exceed 32.
- The maximum depth level of directories should not exceed 4.
- In case that the file is recorded with the variable bit rate (VBR) in one file (Example: 54-256kbps) the sound breaking may occur during the playback.
- File names should be named using 8 or fewer letters and/or numbers, and must incorporate the "MP3" file extension. EXAMPLE: *****.MP3 where each * is a letter or number.
- Use only letters and/ or numbers in file names. If you use special characters, the file and/ or folder names may not be displayed correctly on the on-screen display.

The ability of this unit to read JPEG discs is dependent on the following:

- If you press [PLAY] button instead of [ENTER] in JPEG image, sliding show will begin at the current image.
- To stop slide show, press [STOP] button. By pressing [STOP] and [PLAY] button, you can start slide show from the first JPEG image.

Caution

- Try to avoid the use the CD-RW(Rewritable) disc if possible because it can not be played back according to the recording format.
- The CD-R must be recorded with the standard format because it can not be played back according to the recording format.
- The CD-R should be written using the 'disc at once' method.
- The disc which is made with ISO 9660 format can be played back.

Displaying menus in a disc

To display menus in a disc

DVD VCD2.0

- If a disc includes menus, the user may use them.

1

Press the [MENU] button.

- If playing a DVD disc, it shows menus in the disc. Also they are different according to discs. ("Return" will appear on the OSD with VCD2.0.)
- If it is a VCD2.0, select PBC ON mode by pressing [TITLE/PBC] button.
** CD and VCD1.1 do not support the function.*

2

If it is a DVD disc, move the cursor to a relative item with arrow buttons of [`<` `>` `^` `v`] button and select one with [ENTER] button or [PLAY] button.
If it is a VCD 2.0 disc, it shows menus in the disc by pressing [ENTER] button.

Language Setup

- A user can set OSD language, Audio, Subtitle and Disc Menu.

 "OSD" means "On Screen Display".

- 1 While in STOP or RESUME STOP mode, press the [SETUP] button.

- 2 **Selecting a OSD language.**
Please select a language to be displayed on DVD screen.

Every time the user presses [ENTER] button, OSD LANGUAGE changes ENGLISH → FRANCAIS → ... one by one.



- 3 **Selecting Audio language.**
Set it as the preferred audio language. When the audio language is set and recorded in the DISC, it is automatically played in the set language on every playing. For example, English is set and recorded as audio language in the DISC, it is played in English.

Every time the user presses [ENTER] button, AUDIO LANGUAGE changes ENGLISH → FRENCH → ... → AUTO one by one.

 In case a disc does not include setting languages information, the selected language does not appear.

- 4 **Selecting Subtitle language.**
Please set it as the preferred language. When the subtitle language is set and recorded in the DISC, it is automatically played in the set language on every playing. For example, English is set and recorded as subtitle language in the DISC, it is played in English.

Every time the user presses [ENTER] button, SUBTITLE LANGUAGE changes ENGLISH → FRENCH → ... → OFF one by one.

- 5 **Selecting Disc Menu language.**
Please set it as the preferred DISC MENU language. When the DISC MENU language is set and recorded in the DISC, it is automatically played in the set language on every playing. For example, English is set and recorded as a DISC MENU language in the DISC, it is played in English.

Every time the user presses [ENTER] button, DISC MENU LANGUAGE changes ENGLISH → FRENCH → ... one by one.

Video Setup

- A user can set up a connected TV condition and screen.

- 1 While in STOP or RESUME STOP mode, press the [SETUP] button.

- 2 **Selecting TV Aspect.**
Every time the user presses the [ENTER] button, TV ASPECT changes 4:3 LB → 16:9 WIDE → 4:3 PS → ... one by one.



If a user selects "4:3 PS", the user can watch only a centre of the original scene of "16:9". If a user selects "4:3 LB", the user can watch the original scene of "16:9", but the top and bottom of the screen will be black.

If a disc size is originally recorded in 4:3, a user cannot watch it in a wide screen mode though a user sets a size as "16:9 Wide".

Audio Setup

- A user may select audio menu according to a user's speaker set.

- 1 While in STOP or RESUME STOP mode, press the [SETUP] button.

- 2 **Select a Digital Output.**
Every time the user presses the [ENTER] button, DIGITAL OUT changes BITSTREAM → LPCM → BITSTREAM → ... one by one.

Set output conditions to coaxial or optical terminal. You can set the following two values of digital output;

- **Bitstream:** The same signal as audio signal recorded in disc goes to digital audio output terminal.
- **LPCM:** Decoded audio signal goes to digital output terminal.



- 3 **Select a Dynamic Range.**
Every time the user presses the [ENTER] button, DYNAMIC RANGE changes OFF → FULL → OFF → ... one by one.

- Set "OFF" to view a program in the dynamic range as recorded disc.
- If you hear loud sound softer and soft sound louder, set "FULL".



Other Setups

- 1 While in STOP or RESUME STOP mode, press the [SETUP] button.
- 2 **Select character display window.**
Select "On" to make OSD(On Screen Display) language display on screen.
- 3 **Select screensaver.**
If bright scenes continue to be displayed on the screen, the TV can be damaged. Set the screensaver to "On", the screensaver functions automatically and DVD logo moves continuously if the resume stop, stop, open status is maintained for about 5 minutes.
- 4 **Select defaults.**
If you select defaults, every function set returns to FACTORY Defaults except Parental.



- 5 **Select Parental.**
Press the [ENTER] button when the cursor is located in PARENTAL.
When "INPUT PASSWORD" appears on the screen, input the password.



Change the level of Parental.

With right password, you can change the PARENTAL by pressing [ENTER] buttons.
Every time the user presses [ENTER] button, Parental changes 1KIDS → 2G → 3PG → 4PG-13 → 5PG-R → 6R → 7NC-17 → 8ADULT one by one.



It consists of 8 levels of parental control, violence, sexual scene, strong sexual scene and others to protect children from watching those scenes.

- 6 **Changing a password.**
To change a user's password, please move to "Change Password" and enter new password.

The initial password is 3308. In case you forget newly-input password, you can use 3308 as a password.

"Parental Lock" activates only if you set a password and the unit goes into Lock status. When the disc has no parental function even if the disc is for adults only, Parental Lock doesn't activate.

About DVD

Playable Disc

- DVD, Video CD(Version 1.1, 2.0), S-VCD and Audio CD

Disc type	Playable	Restriction
DVD	Possible	Region number 3 or Region number All
Video CD	Possible	Version 1.0/1.1/2.0, SVCD/CVD
CD	Possible	PCM or dts
CD-G	Possible	Only Audio playback
CD-ROM	Possible	MP3 File
CD-R	Possible	Video-CD/CD/CD-ROM (MP3 File)
CD-RW	Possible	Video-CD/CD/CD-ROM (MP3 File)
DVD-R	Possible	DVD Video
DVD-RW	Possible	DVD Video
DVD+RW	Possible	DVD Video
DVD-ROM	Impossible	
DVD-RAM	Impossible	
Photo CD	Impossible	

REGION MANAGEMENT INFORMATION

This unit is designed and manufactured to respond to the Region Management information that is recorded on a DVD disc. The region number of this player is "3". If the region number described on the DVD discs does not correspond to the Region number of this player, the player will not play this disc. This player will play DVD discs made for "ALL" regions. Therefore, this player will play DVD discs marked with labels containing the region number "3" or "ALL".



(Region 3)



(Region ALL)

Terms related with DVD

- DVD** A DVD (abbreviation of Digital Versatile Disc or Digital Video Disc) can include 135 minutes of video information. And for audio, it can hold up to 8 kinds of languages and 32 kinds of subtitle languages. By using MPEG-2 video compression and digital 3D surround sound, DVD realizes highly-defined picture and quality sound like a movie theatre.
- CDDA** A CDDA (abbreviation of Compact disc digital audio) is a music disc that is currently used.
- MP3** Audio compression format that enables audio files to be stored and transferred on a computer with a relatively small file size. It enables you to enjoy CD quality music. (Short for MPEG-1 Layer 3)
- PBC** This is recorded on a Video CD 2.0, Video CD 3.0, SVCD and CVD. The scenes or information to be viewed (or listened to) can be selected interactively with the TV monitor by looking at the menu shown on the TV monitor. It stands for PlayBack Control.

- CHAPTER** It means the information recorded in a DVD. A title in a DVD is divided into many tracks, of which a track is called as a chapter. A certain scene of a recording can be quickly searched with the chapter number.
- TITLE** It means the information recorded in a DVD. A DVD can be divided into many titles.
- TRACK** It means the information recorded in a video CD and an audio CD. A disc consists of many a track, for which a user can search a certain position.
- dts** Digital Theatre System is a 5.1 -channel surround sound system, which is widely used in movie theatres around the world. It enables the bit rate to be increased to provide good sound quality. "DTS" and "DTS Digital Out" are trademarks of Digital Theatre Systems, Inc.
- Multi Angle** Some DVD discs contain the various scenes that have been simultaneously shot from a number of different angles.
- PCM** Linear PCM is a signal-recording format used in a CD, while CD is recorded in 44.1kHz/16bit, a DVD is recorded in 48kHz/16bit up to 96kHz/24bit.
- Dolby Digital** Dolby Digital enables the delivery of mono through 5.1-channel audio at data rates from 32 kbps to 640 kbps, thus offering flexibility and economical performance as well as uncompromised sound quality.
- Bitstream** Digital audio data that is decoded into an analog signal for subsequent output to speakers.
- Lt/Rt** It indicates L/R of Dolby Digital 2CH Downmix output.
- Downmix** DOWNMIX is reproducing the proper audio when audio format recorded on a disc differs from the output audio channel configuration. For example, with just one stereo speaker system you can hear full 5.1 channel audio.
- RGB** This stands for red, green and blue. It means the video signal separated into its three primary colour components ready to drive the picture tube almost directly. Two signalling connections are needed to make the television accept the synchronisation and RGB signals. All this is in the SCART connector. Not all televisions have RGB inputs.
- SCART** An acronym (Syndicat des Constructeurs d'Appareils Radiorécepteurs et Téléviseurs) for a connector used with many kinds of audio-visual equipment. It is also called Peritel and Euro-connector.

Handling Disc

- To keep a disc in a clean condition, please do not touch the side containing play information.
- Do not attach a bit of paper or sticky tape on it.
- Do not expose a disc to a direct sunlight or electric heating systems.
- After using it, please keep the disc in a case.



Cleaning Disc

- Before using it, please rub it from centre toward outside with clean clothes.
- Do not use any type of solvent such as thinner, benzol (benzene), commercial cleaning goods or antistatic sprays.



Basic information about VCR and Videotape

Terms related with VCR

- AFT** Automatic fine tuning, a circuit that automatically adjusts TV reception to optimum condition.
- CABLE** Cable television.
- Index Search** A feature of this VCR that automatically records an index each time recording begins. It helps you locate a particular segment of the tape quickly and easily.
- LP** Long Play, an intermediate tape recording speed that combines most of the picture/audio quality obtainable at the standard recording speed.
- OSD** On-screen display of information pertinent to the features of the VCR.
- OTR** One-touch recording, a feature that allows you to record the program you're watching by pressing the REC button. Each press of the key increases the recording time by 30 minutes, up to 10 hours.
- RF** Radio frequency, the composite audio/video signal supplied to a TV receiver (or other video component) by an antenna or cable system.
- Safety tab** The plastic tab at the back of a video tape cassette which, when removed, prevents accidental erasure of a recording.
- SP** Standard play, the recording speed to use when the best picture quality is of prime importance (and when total recording time is not).

What is dew condensation symptom?

- If a VCR is moved from a cool place to a warm and damp place or a place facing a direct cool wind from an air-conditioner...and others, temperature varies sharply, which makes dew on head drums of VCR.

If dew condensation occurs,

- First, turn it on for one or two hours before using it.
- Do not use it because it may develop troubles in the VCR or videotape.

How to use a head cleaner

- In case of a old or contaminated videotape, the picture may not be clean from the contamination of VCR heads. Please remove contaminants using a head-cleaner like below order.

- Insert a head-cleaner into VCR
- Press "PLAY" for 5 seconds, and then press "FF" for about 10 seconds.

PLAY (5secs)



FF (10secs)

- Eject the head-cleaner from VCR
 - If the picture is not clean yet, please repeat the above 2 or 3 times more.
 - A head-cleaner is not for sale from daewoo. Please obtain it from the nearest service agent.
 - In case a user ask the removal of contaminants of us, the user should pay extra charges.

Before suspecting a fault (VCR)

Before suspecting a fault (VCR)

Symptom	Checks
<ul style="list-style-type: none"> • "Power On" does not work. • It does not work even in "Power On". 	<ul style="list-style-type: none"> ➤ Please check whether the power plug is inserted in an electric outlet. ➤ Please check whether a videotape is inserted in. ➤ Try to insert the plug again.
<ul style="list-style-type: none"> • A videotape is not inputted in. 	<ul style="list-style-type: none"> ➤ Please check whether a power plug is inserted in an electric outlet. ➤ Please check whether a videotape is in. ➤ Please check whether a videotape is inserted in a right direction (If the machine won't allow you to insert a tape, the side of transparent window should be on the upside) ➤ Have you inputted a videotape again just after the tape was ejected? Please try it again after fully ejecting it. ➤ It may not be in squarely. For correct operation you must insert the tape smoothly.
<ul style="list-style-type: none"> • On inputting a videotape, the tape is re-ejected. 	<ul style="list-style-type: none"> ➤ That's why a safe mode to protect a videotape is operated automatically. Please pull out the tape and input it again.
<ul style="list-style-type: none"> • A videotape is not ejected. 	<ul style="list-style-type: none"> ➤ In case the product is not used for a long time, a videotape may not be ejected because the film inside may be stretched. In this case, please pull out a power plug for about 10mins and then press the "EJECT" button.
<ul style="list-style-type: none"> • A channel on video and a play screen does not appear. 	<ul style="list-style-type: none"> ➤ Please check your antenna's connection. ➤ TV channel should be stored on video channel. ➤ Please check your antenna's signal whether it may be weak. If it is weak, please use an (RF) radio frequency amplifier connected with the device. ➤ Press "TV/VCR" and then ensure "VCR" is displayed on the display panel.
<ul style="list-style-type: none"> • Noise (screen noise) appears on screen. 	<ul style="list-style-type: none"> ➤ Check if VCR, was it turned on? ➤ While in recording a program, do you watch another channel? ➤ Select TV by pressing [TV/VCR] button on remote control.
<ul style="list-style-type: none"> • Noise appears on screen after recording. 	<ul style="list-style-type: none"> ➤ While in playing a videotape, there may be some noise or blot in the part of the beginning of a videotape or resuming "PAUSE". This is not a fault.
<ul style="list-style-type: none"> • During playback, noise appears. 	<ul style="list-style-type: none"> ➤ Please press "TRACKING" for better screen. Videotape may be poor. Try to change it to another one.
<ul style="list-style-type: none"> • Sound and picture are poor. • Sound comes out but picture does not appear. • Picture is irregular and stripes appears. • "Picture Error" message is displayed on the screen. 	<ul style="list-style-type: none"> ➤ Please use a head-cleaner to clean VCR heads. VCR heads may be contaminated.
<ul style="list-style-type: none"> • While recording and playing, the top of screen waves. 	<ul style="list-style-type: none"> ➤ Since VCR Play signals are not stable like a TV signals, screen may be unstable or curved while playing. This normally occurs on older TV's which may have a specific channel for VCR playback.
<ul style="list-style-type: none"> • The picture is not clear. 	<ul style="list-style-type: none"> ➤ If videotape is the one recorded by other products or old one, stripe may appear on the screen. ➤ Try to adjust the picture by [TRACKING+/-] button ➤ Try to use a head-cleaner.
<ul style="list-style-type: none"> • A picture at pause is trembling or slow screen is not clear. 	<ul style="list-style-type: none"> ➤ Try to use a head-cleaner. ➤ Try to adjust the screen by [TRACKING+/-] button.

Symptom	Checks
<ul style="list-style-type: none"> • Recording a TV program is impossible. 	<ul style="list-style-type: none"> ➤ For recording, you should use a videotape with a tab. ➤ Please check whether a channel is fixed on video. If not, you have to turn it into "TV" by pressing "INPUT" button. ➤ Please check whether the timer recording info is right. ➤ Are RF cables in the antenna connection terminal correctly? ➤ Does a CH number selected in display section appear? ➤ Please check a tab on a tape whether it is broken or not. (If it was broken, please replace with some adhesive tape)
<ul style="list-style-type: none"> • Once pressing "REC", a videotape is ejected automatically. 	<ul style="list-style-type: none"> ➤ Please check whether the clock is right. ➤ Does the display on your video show "[]" (Ready for timer recording)? ➤ Please check whether the timer recording info is right. ➤ Please check a tab on a tape whether it is broke or not. (If it is broken, please replace with some adhesive tape)
<ul style="list-style-type: none"> • Timer recording of Cable TV does not work. 	<ul style="list-style-type: none"> ➤ Was the cable data output code connected correctly? ➤ Was the cable box setup and output channel right? ➤ Did you enter a password? (Please cancel it.) ➤ Did you turn off your player? (Please turn it on.)
<ul style="list-style-type: none"> • In spite of pressing "CHANNEL", a channel can not be set. 	<ul style="list-style-type: none"> ➤ You may not have memorized your channels. ➤ Please check your channel setting or press a number button.
<ul style="list-style-type: none"> • While duplicating, screen is not clean and distorted. 	<ul style="list-style-type: none"> ➤ Some tapes or discs distributed in the market for lending is set to prevent copy in manufacturing. These tapes cannot be duplicated in a good condition.
<ul style="list-style-type: none"> • remote control does not work. 	<ul style="list-style-type: none"> ➤ Battery may be weak or exhausted. ➤ Are you using the correct remote.
<ul style="list-style-type: none"> • Buttons on remote control do not work. 	<ul style="list-style-type: none"> ➤ In case a videotape is positioned at the beginning, "VISS REW" and "REW" do not work. ➤ In case a videotape is positioned at the end, "FF", "VISS FF", "PLAY" and "REC" do not work. ➤ Please check whether another button is pressed.
<ul style="list-style-type: none"> • VISS index search does not work. 	<ul style="list-style-type: none"> ➤ Are you playing a tape that is not recorded in this recorder? (Try and record it with the recorder.) ➤ You may start recording it in "REC-PAUSE". Please start recording it from stop condition.
<ul style="list-style-type: none"> • Cable broadcasting can not be selected. 	<ul style="list-style-type: none"> ➤ Please select "CABLE" not "NETWORK" from the "CHANNEL SETTING".

Before suspecting a fault (DVD)

Symptom	Checks
<ul style="list-style-type: none"> The recorder does not play. 	<ul style="list-style-type: none"> If a DVD is from overseas, it may not be played. Please check a DVD's region code whether it has the relative region code 3 or All. Please check whether a DVD is inserted in the right direction. If it is a CD-ROM for PC or DVD-ROM, it does not work.
<ul style="list-style-type: none"> No sound comes through. 	<ul style="list-style-type: none"> Play mode may be in "SLOW" or "PAUSE" (In abnormal speed play, no sound comes through) Did you connect the parts in the right way? Please check the operative condition of TV or amplifier. From SETUP, please check "AUDIO" items.
<ul style="list-style-type: none"> A disc is playing but picture does not appear or poor picture appears. 	<ul style="list-style-type: none"> Did you turn on your TV sets? Did you connect the parts in the right way? The play may be in "PAUSE". A disc may have some contaminants or be damaged. A disc may be bad one.
<ul style="list-style-type: none"> Sound is irregular 	<ul style="list-style-type: none"> Please check the connection with Dolby Digital amplifier. Please check the plugs are connected with one another tightly. Some contaminants may be remained in connection terminal.
<ul style="list-style-type: none"> REMOTE does not work. 	<ul style="list-style-type: none"> Please check the degree of remote control, distance or any interruption. Battery may be weak or exhausted. When you operate DVD, use it by pressing [DVD] button.
<ul style="list-style-type: none"> Dolby Digital sound does not work 	<ul style="list-style-type: none"> Dolby Digital sound can be worked in the Dolby Digital amplifier only. Please check "Dolby Digital" mark on your DVD. In case of playing it through digital output, while pressing "STOP", please check whether "Digital Output" is "Bitstream" by pressing "SETUP". Please check the connection is correct.
<ul style="list-style-type: none"> "AUDIO" or "SUBTITLE" button does not work. 	<ul style="list-style-type: none"> If a DVD does not include language information, it does not support the function.
<ul style="list-style-type: none"> "ANGLE" button does not work while a DVD is playing. 	<ul style="list-style-type: none"> "ANGLE" is supported only in a DVD contains multi angle scenes. Also a user can confirm the support with the "ANGLE" mark on screen.
<ul style="list-style-type: none"> "MENU" does not appear while a DVD is playing. 	<ul style="list-style-type: none"> Please check the degree of remote control, distance or any interruption. Please check a battery in remote control whether it is exhausted or not. A DVD may not contain menu information.
<ul style="list-style-type: none"> The file name of MP3 (CD-R) appears with strange letters. 	<ul style="list-style-type: none"> The file name of MP3 recognize only the Alphabet (A-Z, a-z), numbers (0-9) and a special symbol on keyboard (~, !, @, #, \$...) and 10 letters can be displayed in maximum. The letters except above case will be displayed like "----".
<ul style="list-style-type: none"> Any MP3 (CD-R) file isn't displayed. 	<ul style="list-style-type: none"> If the surface of disk is injured, the file display and playback can be impossible.

Specifications

Power	230V~, 50/60Hz	
Consumed electricity	26W	
Weight	4.6kg	
Dimension (W x H x D)	435mmx93mmx255mm	
Operative temperature	+5°C~40°C	
Installation condition	Horizontal / Relative humidity under 80%	
Signal type	PAL COLOR	
Antenna Input/output	U/V-mixed: 75Ω unbalanced	
VIDEO input	1.0Vp-p (unbalanced, RCA JACK)	
AUDIO input	-8.8dBm, RCA JACK	
VIDEO output (common use of DVD and VCR)	VIDEO output terminal, 1.0 Vp-p unbalanced, RCA JACK, SCART JACK	
VIDEO output (DVD only)	RGB output (75Ω In load R: 0.7Vp-p, G:0.7Vp-p, B:0.7Vp-p)	
AUDIO output (common use of DVD and VCR)	Audio output terminal (2 kinds): -5.8dBm(VCR), 2Vrms(DVD), RCA JACK	
AUDIO output (DVD only)	Analogue AUDIO output : 2.0Vrms Digital audio output (OPTICAL, COAXIAL)	
Playable tape	Very high dense tapes with VHS marks	
Playable disc	DVD, VIDEO-CD, CD (12cm), CD (8cm), MP3, CD-R, CD-RW	
Tape speed	SP: 23.39mm/s, LP: 11.70mm/s	
Playtime	SP: 3hrs, LP: 6hrs (use of E180tape)	
Clock display	24 hrs	
Time Recording	8 programs a month	
Persistence in power failure	1min	
VIDEO S/N (VCR)	Over 43dB(Standard recording)	
Resolution	VCR	Over 240 lines (Standard recording)
	DVD	Over 400 lines (Playback DVD)
AUDIO (VCR)	Over 65dB	
AUDIO (DVD)	90dB	
AUDIO dynamic range	90dB	

DVD Audio output standards

Output	Disc type		
	DVD	VIDEO-CD	CD
Analogue Audio output	48/96KHz sampling	44.1KHz sampling	44.1KHz sampling
Digital Audio output	48KHz sampling	44.1KHz sampling	44.1KHz sampling
Optical digital audio output	48KHz sampling	44.1KHz sampling	44.1KHz sampling

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