DAƎWOO DC
ELECTRONICS

INSTRUCTION MANUAL

DVD PLAYER + VIDEO CASSETTE RECORDER

SG-9210P

HELP LINE ; 0 870 100 2525

Please read this manual carefully before connecting your DVD+VCR and operating it for the first time.

Keep the manual in a safe place for future reference.

Contents

Important Safeguards

⚡	**CAUTION** RISK OF ELECTRIC SHOCK DO NOT OPEN	⚠

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

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

The exclamation point 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 instruction 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.

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CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT
```

This set complies with the EMC Directive 89/336 and with the LVD Directive 73/23.

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.

- Only use this unit in moderate climates, not in tropical climates.
- Do not place naked flame sources such as candles on the unit.
- Make sure the unit is placed at least 8cm away from the other home appliances or obstacles in order to allow sufficient ventilation around the unit.
- This unit should not be exposed to drips or splashes and no objects filled with liquids, such as vases, should be placed on this unit.
- Switching it off does not disconnect it from the mains (stand-by). To disconnect it from the mains, you have to unplug it.
- The system is not completely disconnected from the mains when the ⏻ / I button is set to the ⏻ position.

Important Safeguards

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

Important Safeguards

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.

3

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)
- Screensaver function (DVD)
- Coaxial 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.
- Analog audio 2-channels output for DOWNMIX (x1)
- Composite video output (x1)
- Slow Forward playback (DVD)
- Fast Forward / Reverse playback
- Search of title, chapter, and time in DVD disc, and search of time and track time in VCD
- 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.
- 11 languages OSD (On Screen Display) function (DVD)
  You can select and display OSD in 11 languages.
- 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 seem 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)
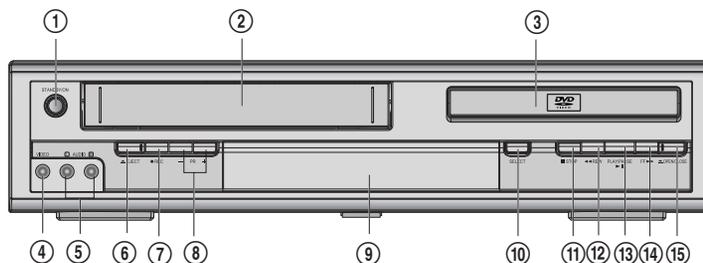
① **Power (STANDBY/ON) button**
Use to power the device on/off if AC power supply is connected.

② **Place to insert videotape**

③ **Disc tray**

④ **VIDEO INPUT jack**

⑤ **AUDIO INPUT jacks**

⑥ **EJECT button**

⑦ **RECORD button**

⑧ **Programme Down/Up button**

⑨ **Operation Display Window**
Display operation of device. For more information, see "Operation Display Window" in 7p.

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 screen.

⑭ **FAST FORWARD button**
Use to wind currently being played videotape or disc; or to playback rapidly.

⑮ **OPEN/CLOSE Tray button**

Identification of Controls

Operation Display Window

VCR DVD
ᗧᗧ 88:88 ᒧ
REC
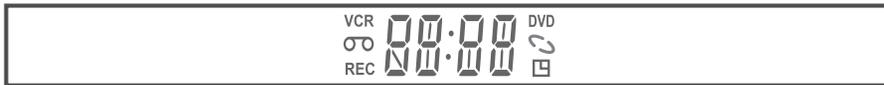
- RECORDING MODE -

ᗧᗧ 11:11	Timer Recording Standby
VCR ᗧᗧ 11:11	Timer Recording Error
ᗧᗧ REC REC	Recording in Progress
ᗧᗧ REC REC	Timer Recording in Progress
ᗧᗧ REC RECP	Recording Pause

- DVD OPERATION -

PLAY DVD	DVD playback
SCH DVD	Fast playback
SCH- DVD	Fast reverse playback
SLOW DVD	Slow playback
PAUS DVD	Pause picture

- VCR OPERATION -

VCR ᗧᗧ PLAY	VCR playback
ᗧᗧ FF	Fast forward
ᗧᗧ REW	Rewinding
VCR ᗧᗧ SCH	Fast playback (CUE)
VCR ᗧᗧ SCH-	Fast reverse playback (REVIEW)
VCR ᗧᗧ SLOW	Slow playback
VCR ᗧᗧ STILL	Still picture
ᗧᗧ STOP	Stop
SAFE	Child Lock

Identification of Controls

Main body (Rear Panel)
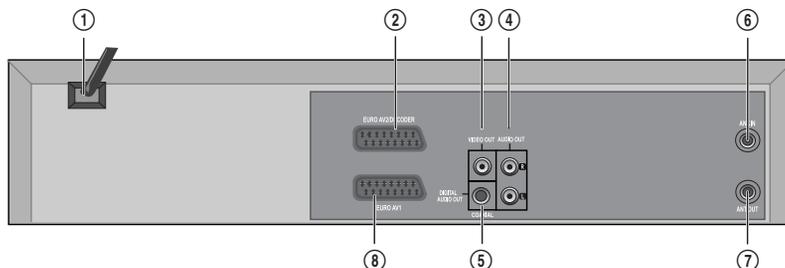
① **Power Cord**
It is a jack for supplying power to the unit.
Connect to outlet in a wall.

② **EURO AV2/DECODER scart socket**

③ **VIDEO Output phono socket**

④ **AUDIO Output phono socket**

⑤ **Digital Output (COAXIAL) Jack**
To enjoy sound quality of theatre level in
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 scart socket**

✔ *Disposal of Used Electrical &Electronic Equipment*

The meaning of the symbol on the product, its accessory or packaging indicates that
thisproduct shall not be treated as household waste. Please, dispose of this equipment
at your applicable collection point for the recycling of electrical & electronic
equipments waste. In the European Union and Other European countries which there
are separate collection systems for used electrical and electronic product. By ensuring
the correct disposal of this product, you will help prevent potentially hazardous to the
environment and to human health, which could otherwise be caused by unsuitable
waste handling of this product. The recycling of materials will help conserve natural
resources. Please do not therefore dispose of your old electrical and electronic
equipment with your household waste. For more detailed information about recycling
of this product, please contact your local city office, your household waste disposal
service or the shop where you purchased the product.

Identification of Controls

Accessories

Remote control	2 Batteries	RF cable	Instruction Manual

• 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.

7m

30°or less 30°or less
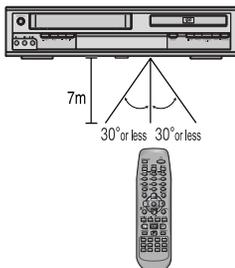
✔ *Remote control battery installation*
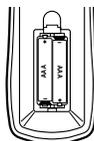
Detach the battery cover on the rear of the remote control, and insert two AAA batteries with the + and - ends aligned correctly.

Two "AAA" batteries (supplied).

✔ *Caution*

• Danger of explosion if battery is incorrectly replaced.
• For the best performance we recommend the use of "Alkaline" batteries. Do not use rechargeable batteries.
• When installing the batteries please observe the correct polarity as indicated in the battery compartment.
• If the unit is not being used for a long period of time remove the batteries, as batteries may leak and cause damage.
• When replacing batteries replace all the batteries at the same time with the same type, never mix old and new batteries.
• Dispose of used batteries safely.

Remote Control

① [DVD] **Open/Close button,** [VCR] **Eject button**

② **VCR SELECT button**

③ [DVD, VCR] **Number button,** [VCR] **Tracking -/+ button**

④ **System button (This button is not available for this set)**

⑤ **SETUP button**

⑥ [DVD, VCR] **Move/Select in OSD,** [VCR] **Channel Up/Down button**

⑦ [DVD] **Title /PBC button**

⑧ [DVD] **AUDIO Language Select,** [VCR] **AUDIO Select button**

⑨ [DVD] **Subtitle Select button**

⑩ **Reverse Search button**

⑪ **Play/Pause button**

⑫ [DVD] **PREVIOUS button (move into a previous chapter or track)**

⑬ [VCR] **Record Speed button**

⑭ [VCR] **Record button**

⑮ [VCR] **TV/VCR button**

⑯ **3D button (This button is not available for this set)**

⑰ [VCR] **CM SKIP**

⑱ [VCR] **Replay button**

⑲ **Power button**

⑳ **DVD SELECT button**

㉑ [VCR] **INPUT Selection button**

㉒ **Clear button**

㉓ [DVD, VCR] **OSD Display button**

㉔ **OK/ENTER button**

㉕ [DVD] **Menu button**

㉖ [DVD] **Chapter/Title/Time Search button**

㉗ [DVD] **Zoom button**

㉘ **Forward Search button**

㉙ **Stop button**

㉚ [DVD] **Next button (Move into a next chapter or track) ,** [VCR] **Frame Advance button in pause mode**

㉛ [DVD] **Repeat Playback button**

㉜ [DVD] **REPEAT a defined period from A to B button**

㉝ [DVD] **Angle button**

㉞ [DVD] **Mark button**

㉟ [DVD, VCR] **PROGRAMME button**

㊱ [VCR] **LAST CHANNEL button (If you move channels using the [PR+/PR-] button, return to the previous TV channel which was being watched)**

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 (" 5RFE ") will be displayed on window display. To release child lock, press any button on the remote control.

POWER ON

Player will POWER ON if any button on the remote control is pressed.

Setting up your player

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

(Option 1) - Connecting your player through RF lead

Television

**200-240V~,
50/60 Hz**

Aerial
The type of aerial you should use, depends on local interference and how far you are from the transmitter. You should contact a local retailer if you have any questions about your aerial.

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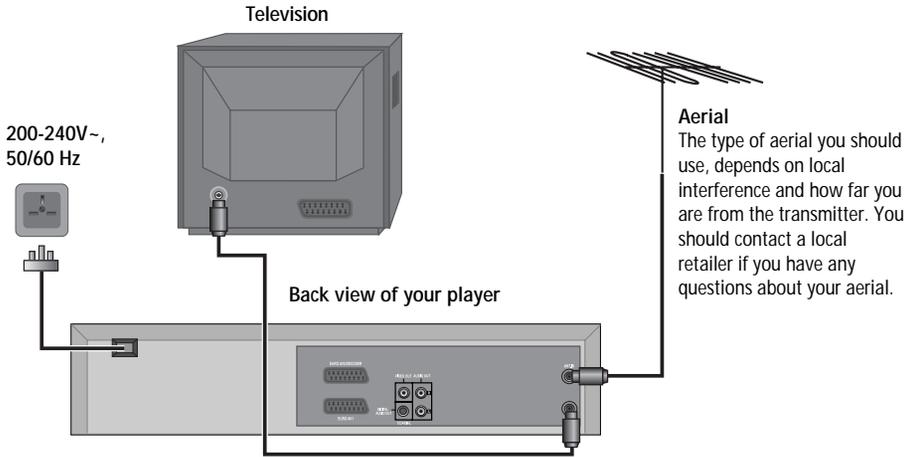
(Option 2) - Connecting your player through a scart lead

Television

**200-240V~,
50/60 Hz**

Aerial

Scart lead (not supplied)

Back view of your player
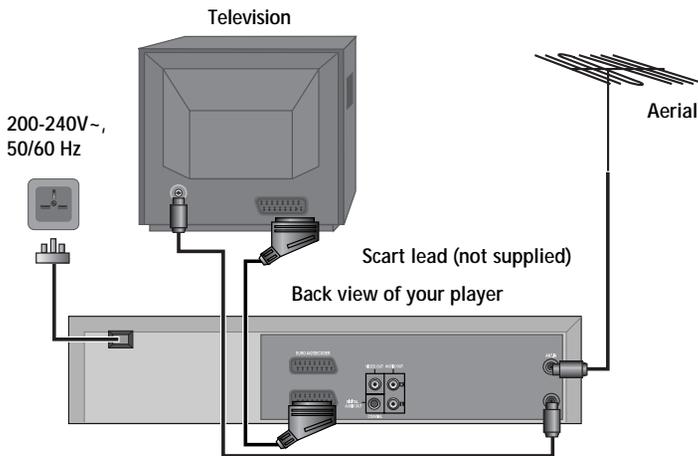
With this connection, if your player is receiving CH BBC1 and your TV is displaying CH3, when you press the [TV/VCR] button on the remote control, your TV will automatically display the CH BBC1. "VCR" will be shown in the display. In this mode, to change the viewing channels the [PR-] and [PR+] buttons 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.

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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

Television

200-240V~,
50/60 Hz

Aerial

Back view of your player
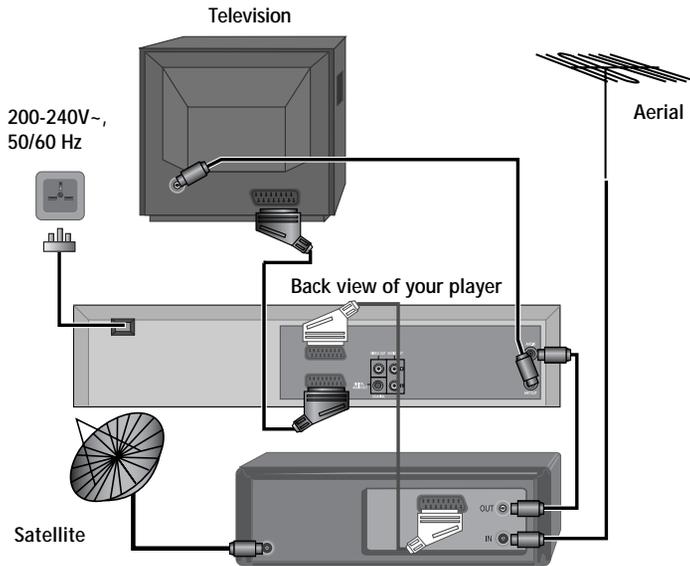
Satellite

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

Connecting your player to the Hi-Fi system

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

Option 1

Television

Hi-Fi

Aerial

**200-240V~,
50/60 Hz**

Plug a phono cable into the
"Audio L/R" sockets on the
back panel and into the audio
sockets on any audio amplifier,
if needed. If your player does
not have this connection, see
page 15.
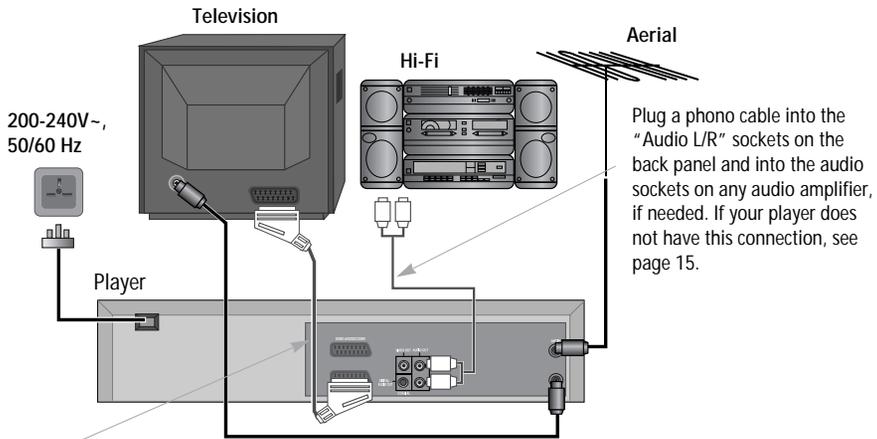
Player

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

Option 2

Television

Hi-Fi

Aerial

**200-240V~,
50/60 Hz**

If required, plug a scart to phono
cable into the "AV1" socket on
the back panel and into the
audio socket on any audio
amplifier.
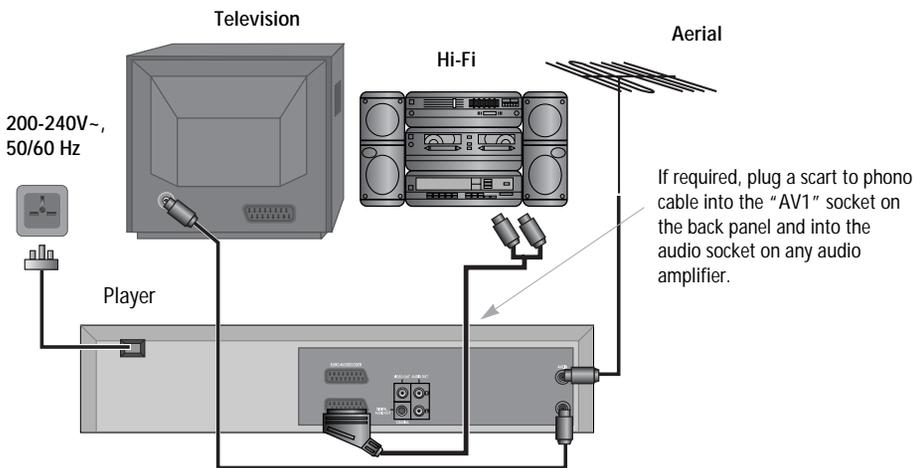
Player

Installation

How to connect your player to another player

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

How to connect

First player

200-240V~, 50/60 Hz

connect a scart lead from player to second VCR
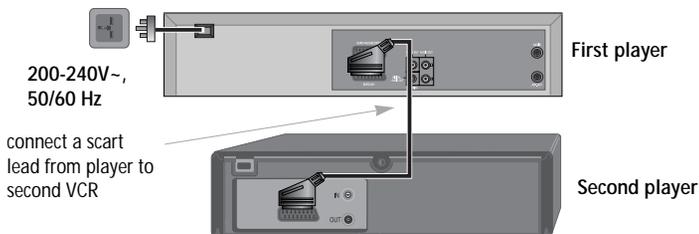
Second player

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 16.

How to connect your player to a camcorder

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

How to connect

Television

Aerial

Camcorder

200-240V~, 50/60 Hz

to camcorder

Scart Plug to TV
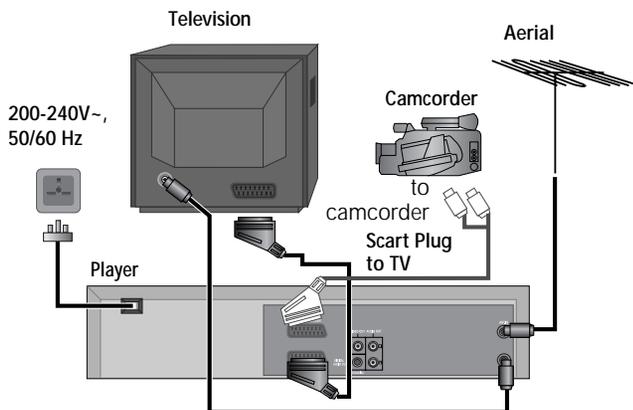
Player

If you have connected your camcorder in this way, you can also connect a scart lead from "AV2" on the back panel of the player to the television. To use this function, see page 16.

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 this connection, see page 16.

Connecting Dolby Digital Amp with Digital Audio Out Jack

How to connect

REAR PANEL OF DVD-VIDEO

EURO AV2/DECODER

VIDEO OUT   AUDIO OUT

ANT.IN

DIGITAL
AUDIO OUT

EURO AV1

COAXIAL

ANT.OUT

CONNECTING CABLE
(Not supplied)

COAXIAL

(L) AUDIO IN (R)

Home Theatre Receiver with Dolby Digital decoding capability
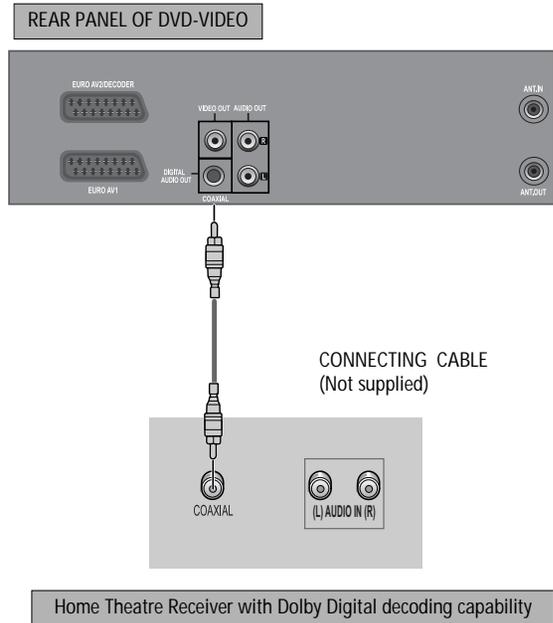
1 **Select COAXIAL to connect to amp of Dolby Digital.**

　* If you want to know about "Dolby Digital", please refer to [About DVD] in 53-55p.

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

"DTS" and "DTS Digital Out" are trademarks of Digital Theatre Systems, Inc.

2nd scart socket

2nd scart socket

If your video has the AV2 output, shown in the diagram below, you can connect other equipment as seen on pages 12-15.

2nd scart   **INPUT ONLY**

INPUT+OUTPUT
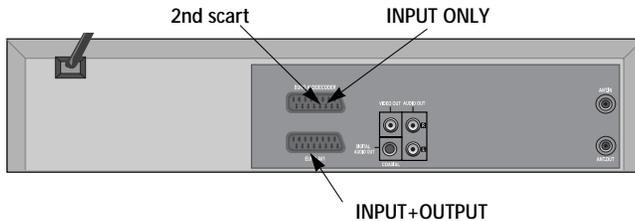
When connecting other equipment please refer to their manuals for further information. This video manual recommends the set up as shown on page 12. If the equipment is turned off when connected by this method, the video behaves as normal, but if the equipment is turned on the video will automatically 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.
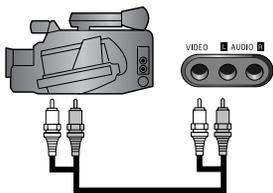
Front AV
If the video has front input sockets, it is possible to connect devices such as a camcorder to the video. To watch a camcorder tape the video must be in AVF mode. Recordings of this input are the same as described on page 14.

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 to enter station names see page 24-25.

Setting up the player

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

```
AUTO SET

OK:CONFIRM      SETUP:END
```

2 **OK for "AUTO SET!".**
"AUTO SET" tunes in all the stations you can receive in your country.

Clock is automatically set.

```
CH 25

PLEASE WAIT...

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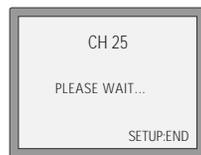
3 If other stations are positioned on near the current RF OUTPUT CH, the guide message appears automatically.

The player recommends the optimal RF OUTPUT CH number automatically.

```
RF OUTPUT SET

CURRENT          CH 52
RECOMMENDED      CH 54
0-9:SELECT(21-69)
OK:CONFIRM      SETUP:END
```
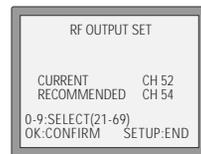
4 Press the [OK] button to confirm the recommended PR.

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 25.

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

```
IMPORTANT!
PLEASE CHANGE THE TV
CH TO 54.
```

```
MANUAL SET
➡ PR01 P-01    PR08 P-08
  PR02 P-02    PR09 P-09
  PR03 P-03    PR10 P-10
  PR04 P-04    PR11 P-11
  PR05 P-05    PR12 ----
  PR06 P-06    PR13 ----
  PR07 P-07    PR14 ----
PR+/-:SELECT
OK:CONFIRM      SETUP:END
```
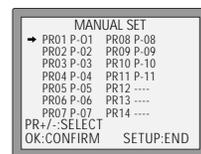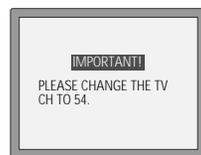
• If you don´t see this picture, because you don´t use a SCART cable, search this picture now (CH 52) with the station tuning functions of your TV set (see its user manual).

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

Setting time and date

Setting time and date

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

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

```
        CLOCK SET

TIME - - : - -

DATE - - / - - /- - - -

0-9:SETUP (HOUR)
←/→:CORRECT   SETUP:END
```
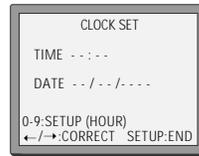
2 Move to the position you want to change and type in the new values.
Wait a few seconds after typing a one-digit number.

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

```
        CLOCK SET

TIME  06:05

DATE  07/05/2006(SUN)

0-9:SETUP (HOUR)
←/→:CORRECT
OK:CONFIRM       SETUP:END
```

Auto clock

Setting Auto clock

■ Auto Clock is only available for models with the VPS/PDC function (see page 28).
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 OFF mode, you will then have to manually set the time and date, see above.

```
        VCR SETUP
CLOCK SET
RF OUTPUT SET
16:9 SET
OSD ON/OFF
→ AUTO CLOCK

PR+/-:SELECT
OK:CONFIRM     SETUP:END
```

```
        AUTO CLOCK

→ ON
  OFF


PR+/-:SELECT
OK:CONFIRM     SETUP:END
```
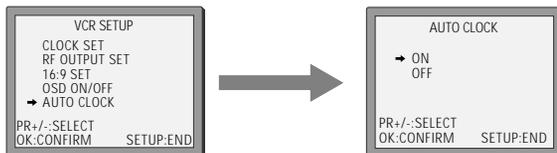
OSD ON & OFF

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 up the player's "SETUP" menu.

```
        SETUP
➝ TIMER PROGRAM
  PR PRESET
  VCR SETUP
  TAPE CONTROL

PR+/-:SELECT
OK:CONFIRM    SETUP:END
```
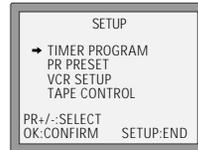
2 Choose "VCR SETUP".
And press the [OK] button.

```
       VCR SETUP
  CLOCK SET
  RF OUTPUT SET
  16:9 SET
➝ OSD ON/OFF
  AUTO CLOCK

PR+/-:SELECT
OK:CONFIRM    SETUP:END
```
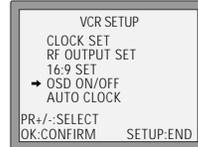
3 Select "OSD ON/OFF".
If you want OSD OFF mode, select it and press [OK] button to confirm.
Then OSD characters are not displayed in the normal picture.

```
      OSD ON/OFF

➝ ON
  OFF



PR+/-:SELECT
OK:CONFIRM    SETUP:END
```
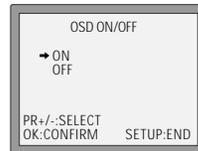
Basic Operation

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, DVD on the operation display window goes out. Then, REMOTE button works as VCR function. Press the [VCR] button, then it becomes to the VCR OPERATION mode.

To Select Operation Mode or External Input

Press [INPUT] button.
When you press [INPUT] button, BROADCASTING RECEPTION and EXTERNAL INPUT will be selected. But, this button will not function in PLAY, REC and DVD mode.

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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 [OPEN/CLOSE] button to close the tray.**
The disc tray will close and after initialisation, Playback or Stop function starts to operate.

4 **To play the disc, press [PLAY/PAUSE] button.**
- **In the case of DVD,**
  DVD menus and titles are displayed on TV screen.
- **In the case of S-VCD and VCD2.0**
  the menus are displayed on the TV screen and it is converted into PBC (Playback Control) mode.
- **In the case of CD, VCD1.1 and MP3,**
  the disc plays.

5 **To stop it, press [■] button.**
If you want to stop playback, press [STOP] button.

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. You can watch fast playing (reverse) screen.

  * This reverse playback may be unavailable for certain DVD.

■ **If you want slow playback,** press [▶▶] button in Pause mode.

  You can watch the desired screen in the slow forward playback.

■ 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 to 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.**
If you want to stop playback, press [STOP] button.

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) on screen.

 * *NOTE:* You might see no colour and a noise band when you fast forward (or reverse) playback the tape which is recorded in LP mode.

■ **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 by one frame.

■ **If you press [REPLAY] button in playback mode,** the player quickly rewinds 15 seconds of the tape and plays it again.

■ **If you press [CM SKIP] button in playback mode,** the player quickly skips 30 seconds of the tape and then reverts to play again.

To Adjust Display

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

NOTE

If the product, which has a auto-detector, detects a contaminated head(s), it shows the conditions to notice the contamination on screen.

* In case of the notice on screen, please rub the heads with a head-cleaner followed by "How to use a head-cleaner".

Recording

To Record With VCR

1
Press [⏻] button to power on.
• Press [VCR] button of remote control to change to 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, it will be released and the recordings will continue automatically.

7
To exit recording, press [STOP] button.

To Enjoy a TV Channel or DVD during recording

1 **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 into DVD mode and press [PLAY] button. Then, you can watch DVD.

2 **If you want to watch a TV channel during DVD recording with video, press [VCR] button to convert OUTPUT into VCR mode and press [PR+/-] button.**

Then , you can watch a TV channel.

Recording

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.

"This product incorporates copyright protection technology that is protected by U.S patents and other intellectual property rights.
Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited."

Basic Operation

One Touch timer Recording (OTR)

■ If you need to make an instant recording, or you want to record the current TV programme for a pre-determined 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.

21	recording for 10 hours
22	returning to the status of Once Press

3 To stop Recording mode, 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 input or AV (Audio/Video) button on the TV.

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 up the video's "SETUP" menu, choose "PR PRESET".

```
        PR PRESET
  AUTO SET
➜ MANUAL SET
  PR ERASE
  PR ALIGN

PR+/-:SELECT
OK:CONFIRM      SETUP:END
```

2 Select "MANUAL SET".

```
        MANUAL SET
➜ PR01 P-O1  PR08 P-08
  PR02 P-02  PR09 P-09
  PR03 P-03  PR10 P-10
  PR04 P-04  PR11 P-11
  PR05 P-05  PR12 ----
  PR06 P-06  PR13 ----
  PR07 P-07  PR14 ----
PR+/-:SELECT
OK:CONFIRM      SETUP:END
```
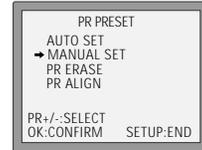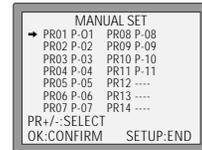
3 Choose any unused programme number "----" or "P-xx" ...

It's best to use the same programme number on both the TV and video.

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

```
        MANUAL SET
➜ PR          04
  RECEPTION   AERIAL
  AUTOSEARCH  CH__
  FINE TUNING   —┼—
  DECODER     ON
  NAME          ----
PR+/-: UP/DOWN
←/→: SELECT
OK:CONFIRM      SETUP:END
```
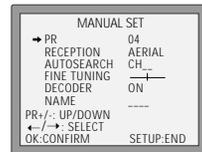
4 Set the station you want:
• the programme number;
• the broadcast system you want (Aerial(CH) or Cable(CC)),
• You can directly enter the real channel number with the [0 to 9] buttons, or search by pressing [◄ /►],
• The fine tuning you can adjust,
• When the programme is encoded (and you have a decoder connected to socket EURO AV2), press the [◄ or ►] to select ON or OFF.
• Change or create the station name.

```
        MANUAL SET
  PR          03
  RECEPTION   AERIAL
➜ AUTOSEARCH  CH 03
  FINE TUNING   —┼—
  DECODER     ON
  NAME          ----
PR+/-: UP/DOWN
←/→: SELECT
OK:CONFIRM      SETUP:END
```
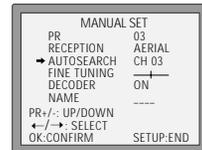
5 Once you see the station you want, store it by selecting OK.

Tune in further stations (from step 3 onwards) or exit tuning mode.

```
        MANUAL SET
  PR          03
  RECEPTION   AERIAL
  AUTOSEARCH  CH__
  FINE TUNING   —┼—
  DECODER     ON
➜ NAME          ----
PR+/-: UP/DOWN
0/1: CHANGE/CREATE
OK:CONFIRM      SETUP:END
```
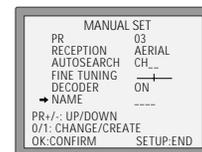
Tuning in New Stations

Station names

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

1 Call up this menu (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.

```
           MANUAL SET
PR                 01
RECEPTION          AERIAL
AUTOSEARCH         CH01
FINE TUNING        ─┼─
DECODER            ON
➜ NAME             ----
PR+/-: UP/DOWN
0/1: CHANGE/CREATE
OK:CONFIRM      SETUP:END
```
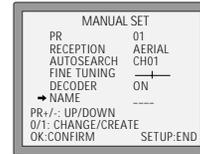
2 Either select the name from the stored list or
create the station name by entering 4 letters/digits.
Change the letters with the [PR +/–] buttons, move
to the next letter with the [◀/▶] buttons.

```
           MANUAL SET
PR                 01
RECEPTION          AERIAL
AUTOSEARCH         CH__
FINE TUNING        ─┼─
DECODER            ON
➜ NAME             0___
PR+/-: SELECT CHARACTER
←/→: SELECT POSITION
OK:CONFIRM      SETUP:END
```

3 Store and exit.

```
         MANUAL SET
PR01 BBC1   PR08 SKYS
PR02 BBC2   PR09 MTVE
PR03 ITV  ➜ PR10 P-10
PR04 CHA4   PR11 P-11
PR05 SKY1   PR12 ----
PR06 SKYN   PR13 ----
PR07 SKYM   PR14 ----
PR+/-:SELECT
OK:CONFIRM      SETUP:END
```

VCR Operation

25
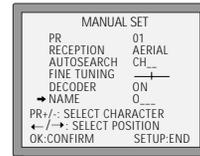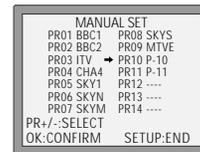
Tuning in New Stations

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 up the player's "SETUP" menu,
   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.

```
            PR ALIGN
➜ PR01 BBC1  PR08 SKYS
   PR02 BBC2  PR09 MTVE
   PR03 ITV   PR10 P-10
   PR04 CHA4  PR11 P-11
   PR05 SKY1  PR12 ----
   PR06 SKYN  PR13 ----
   PR07 SKYM  PR14 ----
PR+/-:ALIGN
 ←-:PR VIEW
OK:CONFIRM      SETUP:END
```

Clearing programme locations

1 Call up the player's "SETUP" menu,
   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.

```
            PR ERASE
   PR01 BBC1  PR08 SKYS
   PR02 BBC2  PR09 MTVE
➜ PR03 ITV   PR10 P-10
   PR04 CHA4  PR11 P-11
   PR05 SKY1  PR12 ----
   PR06 SKYN  PR13 ----
   PR07 SKYM  PR14 ----
PR+/-:SELECT
 ←-:PR VIEW
OK:ERASE        SETUP:END
```

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

```
HOW OFTEN DO YOU WANT
TO RECORD THIS PROGRAM?
➜ ONCE
   WEEKLY(ONCE A WEEK)
   DAILY(MON-FRI)
   DAILY(MON-SAT)
   DAILY(MON-SUN)
PR+/-:SELECT
OK:CONFIRM      SETUP:END
```

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 long play recording .
• Switch off VPS/PDC here if you need to .

```
    TIMER PROGRAM (ONCE)
PR                --
START TIME       --:--
END TIME         --:--
START DATE       --/--
TAPE SPEED        SP
VPS/PDC           ON
PR+/-:SELECT(AV1/AV2)
0-9 :SETUP(PR)
←/→:CORRECT   SETUP:END
```
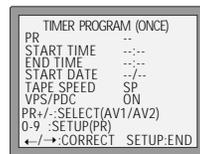
3 If you wish to make changes:
Move to the position you want to change using the [◄/►] buttons. Change the setting using the [PR+/-] or [number] buttons.
If all settings are ok, press [◄ or ►], till you see "OK : CONFIRM" in the bottom line.
Confirm.

```
    TIMER  PROGRAM (ONCE)
PR                01
START TIME       18:10
END TIME         20:30
START DATE      19/05(FRI)
TAPE SPEED        LP
VPS/PDC           ON
PR+/-:SELECT(AV1/AV2)
0-9 : SETUP (PR)
←/→:CORRECT
OK:CONFIRM      SETUP:END
```

Switch your player off.

∞ 20:00 🔋

• 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 [◄/►] 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.

• The player will be powered on and record the program at the set time.

• If the player is powered on after a timer recording has been set, the player cannot record in VCR mode but can record in DVD mode.

VCR Operation

Timer Recording

Timer Review – changing and erasing

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

```
      TIMER  PROGRAM
  PR    START   END    DATE
→ 03    21:20   22:20  13/05
  01    18:10   20:30  19/05
  --    -- : --  -- : --  -- / --
  --    -- : --  -- : --  -- / --
  --    -- : --  -- : --  -- / --
  --    -- : --  -- : --  -- / --
  --    -- : --  -- : --  -- / --
PR+/-:SELECT
OK:CONFIRM          SETUP:END
```

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

```
   TIMER  PROGRAM (ONCE)
PR                03
START TIME        21:20
END TIME          22:20
START DATE        13/05(SAT)
TAPE SPEED        SP
VPS/PDC           ON

0 :ERASE
←/→:CORRECT   SETUP:END
```

NOTE
• VPS/PDC is a service provided by some stations to enable you to perform timer recordings
precisely even if the broadcaster delays the start time of the programme slightly. The time
you enter is the VPS/PDC time so must be correct. Not all stations offer VPS/PDC, in which
case the player will start at the time you enter and not the actual start time of the
programme.
If you wish to start recording at a specific time without it being adjusted by the VPS/PDC
system in the event of a delay, switch VPS/PDC off otherwise the player will not record at
the preset time.

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,
1x: Time and date+current status → Time and date
2x: Counter+current status → counter
3x: disappear.

```
STOP SP      PR01 BBC1
                STEREO ON




14:00 08/05 [V] E180 00:48
```

- If the tape is not wound (PLAY, FF, REW,...), the tape remaining time does not appear.
- If the timer recording information is contained within the received broadcast signal , press the button to display the VPS/PDC icon within the received broadcast signal.

Remaining time and cassette length

```
        TAPE CONTROL
  ➜ TAPE REMAIN
     GO TO ZERO
     COUNTER RESET
     INDEX+
     INDEX-
PR+/-:SELECT
OK:CONFIRM      SETUP:END
```
→
```
        TAPE REMAIN
     E-180
  ➜ E-240
     E-300

PR+/-:SELECT
OK:CONFIRM      SETUP:END
```
→
```



              E-240  01:27
```

Call up the player's "SETUP" menu,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 from the list given in the menu the cassette tape length currently being used.

Searching a recorded programme with index

When you record a programme, the VCR places an index mark at the start of the recording.

To search for an index mark

1. Call up the player's "SETUP" menu, choose "TAPE CONTROL"
2. Choose index + to search forward or index - to search backward.
   The VCR will locate your index mark and begin playback.

```
        TAPE CONTROL
     TAPE REMAIN
     GO TO ZERO
     COUNTER RESET
  ➜ INDEX+
     INDEX-
PR+/- :SELECT
OK:CONFIRM      SETUP:END
```
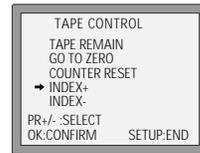
VCR Operation

More Functions

Accessing counter zero position

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

```
REW   SP
GO TO ZERO




0:02:13
```

Resetting the counter to zero

```
COUNTER RESET




0:00:00
```

Reset the counter.

16 : 9 Wide Screen Format Playing back / Recording

Using this player you can play and record programmes having 16:9 Wide-Screen format.

• **16:9 Set**
- Auto : This video automatically detects the programme format (16:9 or 4:3) and records or plays this programme 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 programme which is recorded in 16:9 wide screen format with this player, your TV must have 16:9 wide screen function and you have to connect the TV and player with the A/V scart cable.

```
          VCR SETUP
     CLOCK SET
     RF OUTPUT SET
  ➔  16:9 SET
     OSD ON/OFF
     AUTO CLOCK
PR+/-:SELECT
OK:CONFIRM        SETUP:END
```

```
          16:9 SET
  ➔  AUTO
     OFF
     ON

PR+/-:SELECT
OK:CONFIRM        SETUP:END
```
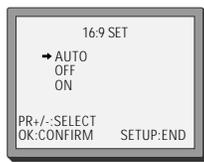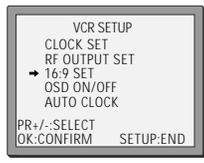
AUTO REPEAT

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

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

More Functions

Child lock

Press the [⏻] button for about 5 seconds.
No buttons on the front panel can be operated now and LOCK INDICATOR (" *SAFE* ") will
be displayed on the window display. Keep your remote control in a safe place.

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

Cassettes

VHS
PAL
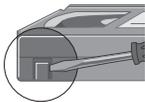
Use only good quality tape cassettes with the VHS logo.

• 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 back 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.

VCR Operation

and ...

Dimmer : Your player dims its display when switched to stand-by mode.
Auto power off : Your player switches to stand-by after 5 minutes, if no tape is played and no tuning signal is
received.

More Functions

■ 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
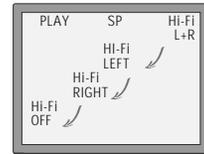
• During broadcasting a bilingual performance : Main language (original sound track) → sub-language (dubbed) → both main language and sub-language → OFF.

• For mono performances , there is no choice available.
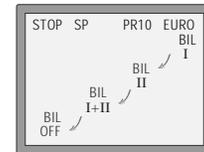
Connections and Copying

■ 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 [ENTER] button of the player's remote control for longer than 5 seconds to call up the player´s test signal.
Tune the TV to the test signal using the channel pre-set functions of your TV as described in its manual.

When you have found the test signal, store it under the channel number on your TV for player input.
Press the [ENTER] button of the player's remote control again for longer than 5 seconds to remove the test signal.
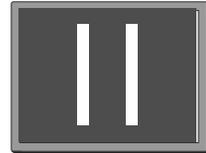
2 • If the quality of the test signal transmitted to the TV is poor due to interference caused by a station transmitting on channel 52, you can tune the player to a different transmitting channel. Find a free channel between 21 and 69 on your TV.

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

Type in the free channel.

Store and exit.

RF OUTPUT SET

CH   52

0-9:SELECT (21-69)
OK:CONFIRM   SETUP:END

VCR Operation
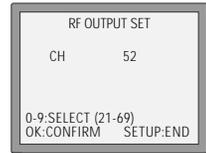
NOTE

• If the quality of the test signal 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.

Connections and Copying

■ Switch off all components when connecting or disconnecting cables.

Copying

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

TV
(other VCR)

Audio Amp.
devices
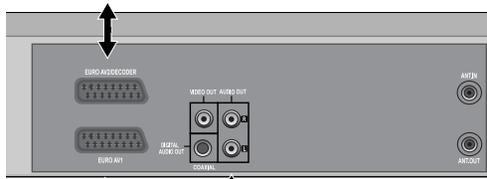
To copy to your player from another video machine, connect the two machines with a cable between their EURO AV (SCART) sockets and select as programme "AV 1/AV 2" or "F. AV" (front sockets) using the [AV], [PR+/-] or [INPUT] button.
Set the other video machine to playback and your machine to record.
•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 assemble your own film, from camcorder footage for example, use the assembly technique for smooth edit points:

• The symbol is lit in VCR mode and goes out in TV mode.	**VCR**
• This symbol means the cassette is in.	◯◯
• This symbol means a timer recording is setting.	⊡

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).

Moving directly 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, 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 [◀ ▶▲▼] button to select the desired title.**

For the case of VCD disc, press the [Number] button.
The selected title now starts playing.

DVD Operation

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Playing a desired scene

Repeating a defined period

→ DVD → VCD → CD → MP3

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

- DVD -	- VCD/CD -	- MP3 -
↺ CHAPTER ←	↺ TRACK ←	REPEAT TRACK ←
↓	↓	↓
↺ TITLE	↺ DISC	REPEAT FOLDER
↓	↓	↓
↺ DISC	↺ OFF	REPEAT OFF
↓		
↺ OFF		
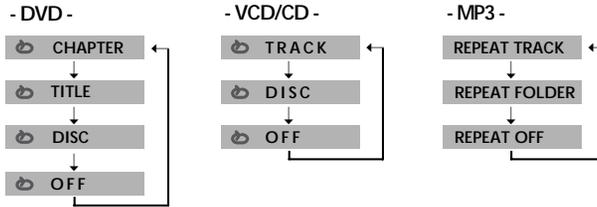
NOTE
- ↺ CHAPTER : Current chapter will play repeatedly.
- ↺ TITLE : Current title will play repeatedly.
- ↺ DISC : Current disc will play repeatedly.
- ↺ TRACK : Current track will play repeatedly.
- ↺ FOLDER : Current folder will play repeatedly.
- ↺ OFF : Repeat playback will be cancelled.

* For the case of VCD disc, repeat playback starts only in PBC OFF mode.

Repeating a defined period from A to B

→ DVD → VCD → CD → MP3

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

NOTE

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

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

↺ A-

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 the repeat playback period from A-B is defined.

↺ A-B

3 **To exit from repeat playback mode, press [A-B] button.**
Repeat playback mode is cancelled and Normal Playback mode is resumed.

↺ OFF

Playing a desired scene

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

1 If you want to search with a title number or chapter number, press the [SEARCH] button once.

  - TT: Title
  - CH: Chapter

`TT 01/02 CH    /20`

2 If you want to search with a chapter number or title number, please select TT or CH using the [►,◄] button. Then enter the new chapter/title number to be searched using the [NUMBER] buttons.

`TT 01/02 CH 10/20`

`TT 01/02 CH 10/20`

3 If you want to search with a title time, press the [SEARCH] button twice. Please enter the new title time to be searched using the [NUMBER] button.

PLAY starts from the selected position.

`TT 01/02 TIME   0:20:`

4 If you want to search with a chapter time, press the [SEARCH] button three times. Please enter the new title time to be searched using the [NUMBER] button.

PLAY starts from the selected position.

`CH 04/20 TIME   0:0 :`

Playing a desired scene

Searching VCD with a track number, disc time or track time → VCD

1 **If you want to search wth a disc time, press [SEARCH] button one time.**
In case of PBC OFF, the screen like the right figure appears. Please enter the new time to be searched using the [NUMBER] button. PLAY starts from the selected position.

* If it is PBC ON, pressing the disc time converts PBC to OFF mode automatically.

DISC GO TO : --:--

2 **If you want to search with a track time, press [SEARCH] button twice.**
Please enter the new track time to be searched using the [NUMBER] button.

TRACK GO TO : --:--

3 **If you want to search with a track number, press the [SEARCH] button three times.**
Please enter the new track number to be searched using the [NUMBER] buttons.

SELECT TRACK: --: /20

Storing markers in memory to be viewed (listened to) again → DVD → VCD

■ Storing a MARKER in memory is similar to marking your page in a book. It allows you to quickly return to any point on the disc.

1 **Storing a marker in the memory.**
Press [MARK] during play and press [ENTER] at the starting point to be viewed (listened to) again.

BOOKMARK

Press <ENTER> Key To Mark
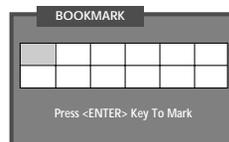
2 **Recalling/Clearing a marker**
Press [MARK] during playback. Press [▲,▼,◄ , ►] to select the marker to be recalled/cleared.

Press [ENTER] to recall a marker. Or press [CLEAR] to clear a marker.

BOOKMARK

1 2 3

TT:01 CH:02 TIME 0:02:27
Press <ENTER> Key To Play
Press <CLEAR> Key To Clean
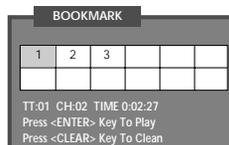
Confirming the current PLAYING TIME

Confirming the current playing time of DVD disc → DVD

While in playing, press [DISPLAY] button.
It shows the current playing time.

Each time you press [DISPLAY] button in playback mode, DISPLAY is change as below.

TITLE ELAPSED
TT 01/02 CH 01/10
0:00:57

TITLE REMAIN
TT 01/02 CH 01/10
0:10:05

CHAPTER ELAPSED
TT 01/02 CH 01/10
0:05:56

CHAPTER REMAIN
TT 01/02 CH 01/10
1:53:25

DVD Operation
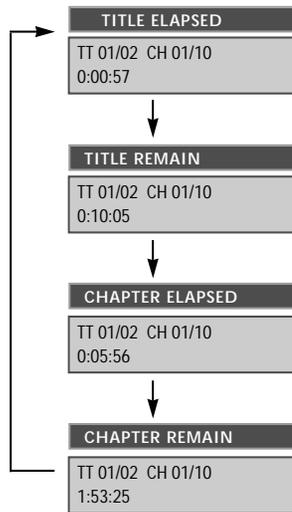
Confirming the current PLAYING TIME

## Confirming the current playing time of VCD disc → VCD

While in playing, press [DISPLAY] button.
It shows the current playing time.

Each time you press [DISPLAY] button in playback mode, DISPLAY is change as below.

```
TRACK ELAPSED
TRACK 01/20
0:00:57
```

```
TRACK REMAIN
TRACK 01/20
0:05:57
```
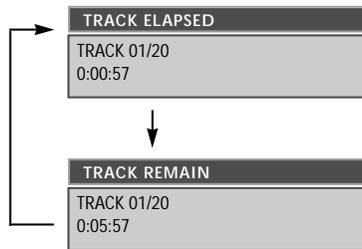
Selecting an AUDIO language and SUBTITLE language

Selecting an audio language

→ DVD

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

NOTE

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 sequentially.

AUDIO 1/2 : AC3 2CH ENGLISH

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 sequentially.

SUBTITLE 01/02: ENGLISH

DVD Operation

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Selecting ZOOM and Multi Angle

Using a zoom function

→ DVD → SVCD → VCD

■ The user can enlarge the current screen about 2 , 3 or 4 times.

NOTE

• During zoom mode, subtitle language can't be seen.

Keep pressing [ZOOM] button till the preferred zoom appears.
Every time the user presses [ZOOM] button, the zoom magnification changes 2 times
(X2) → 3 times (X3) → 4 times (X4) → OFF → 2 times (X2) → ... in sequence.
A base area to be enlarged is centralised and the area can be changed with the operation
of the [◄ ►▲▼] buttons.

Different Angle

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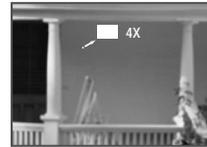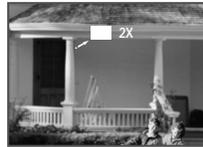
■ If a disc includes multi angle information, the user can watch a screen in multi angles. The function is limited to a DVD disc supporting multi angle information.

Keep pressing [ANGLE] button till the preferred angle appears.
Every time the user presses [ANGLE] button, the angle changes by degrees in consecutive order.

| 🎥 | 01/01 |

About MP3 and JPG discs

Playing a disc containing MP3 files

→ MP3

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

1 **Turn on your television and select the channel assigned to this DVD player.**
Press the [DVD] button and press the [OPEN/CLOSE] button, the disc tray opens.
Put a MP3 on the disc tray with the label side up.
Press the [OPEN/CLOSE] button, the disc tray closes.

The unit will take a short while to load the disc and display the directory structure.

2 **The right figure appears.**

```
00:00          ▣
001:003
■ /
■ max 6
■ Sky
■ Winamp
```

3 **Select the folder.**
Move the cursor to desired folder by pressing
[◀ ▶▲▼] button and press [ENTER] button
to confirm.

```
00:00          ▣
001:003
■ /
■ max6
■ Sky
■ Winamp
```

DVD Operation

4 **Select the file to listen to.**
Move the cursor to desired file which you want
to listen to by pressing [◀ ▶▲▼] button.

Press [PLAY] or [ENTER] to start playback.
The selected file will play.

Press [■] to stop playback.

```
00:10  04:22  192Kbps  ▶
002:030
■ / Sky
■ ..
mp3 1. 01 (musicfamily.i
mp3 2. 02 (musicfamily.i
mp3 3. 03 (musicfamily.i
mp3 4. 04 (musicfamily.i
mp3 5. 05 (musicfamily.i
```

About MP3 and JPG discs

NOTE

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 the case that the file is recorded with a variable bit rate (VBR) in one file (Example: 54-256kbps) sound breakup sound breaking may occur during 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.*

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

About MP3 and JPG discs

Playing a disc containing JPG (PHOTO) files

→ JPG

This unit will play JPG files recorded on CD-R and CD-RW discs.

1 **Select the desired folder.**
Move the cursor to the desired folder by pressing [▲▼] and press [ENTER] to confirm.

```
00:00          ●
001:003
▭ /
▪ CAR
▪ ANIMAL
▪ CAMP
```

2 **Select the folder.**
Move the cursor to desired folder by pressing [◄ ►▲▼] button and press [ENTER] button to confirm.

```
00:10   04:22   ●
002:125
▭ / CAMP
▪
JPG 1. CAMP001
JPG 2. CAMP002
JPG 3. CAMP003
JPG 4. CAMP004
JPG 5. CAMP005
```

3 Select the file which you want to view by pressing the [▲▼] button.

4 If you press the [PLAY] or [ENTER] when a JPG image is selected, a slideshow will begin automatically starting from the selected image.

Press [■] to stop playback.

DVD Operation

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• **Displaying menus on a disc**

• To display menus on a disc

→ DVD → VCD2.0

■ If a disc includes menus, the user may display them.

1 **Press [MENU] button.**
- In the case of a DVD disc, it shows the menus on the disc. Also they are different according to the discs.
- 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 the relevant item with the arrow buttons [◄ ►▲▼] and select one with [ENTER] button or [PLAY] button.

Language Setup

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

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

2 **Selecting an OSD language.**
Select an OSD language to be displayed on DVD menus with [ENTER].

3 **Selecting Audio language.**
Set your preferred audio language with [ENTER]. If the audio language is set and recorded on the DISC, it is automatically played back in the set language every time it is played.

OTHERS - - - - : Another language can be selected. You can input a 4-digit language code.
Refer to the language codes on next page. Press [CLEAR] if an incorrect language code is entered.

4 **Selecting Subtitle language.**
Set your preferred subtitle with [ENTER]. If the subtitle language is set and recorded on the DISC, it is automatically played back in the set language every time it is played.

OTHERS - - - - : Another language can be selected. You can input a 4-digit language code.
Refer to the language codes on next page. Press [CLEAR] if an incorrect language code is entered.

Setup

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Language Setup

5 **Selecting Disc Menu language.**
Set your preferred DISC MENU language with
[ENTER]. If the DISC MENU language is set and
recorded on the DISC, it is automatically played back
in the set language every time it is played.

OTHERS - - - - : Another language can be selected.
You can input a 4-digit language code.
Refer to the language codes. Press [CLEAR] if an incorrect
language code is entered.

LANGUAGE	OSD LANGUAGE	ENGLISH
	AUDIO	FRENCH
VIDEO	SUBTITLE	SPANISH
	DISC MENU	GERMAN
AUDIO		ITALIAN
		DUTCH
OTHERS		PORTUGUESE
		AUTO ✓
		OTHERS
⬦	☑ ENTER	⤷ SETUP

LANGUAGE	OSD LANGUAGE	ENGLISH
	AUDIO	FRENCH
VIDEO	SUBTITLE	SPANISH
	DISC MENU	GERMAN
AUDIO		ITALIAN
		DUTCH
OTHERS		PORTUGUESE
		AUTO
		OTHERS ✓
⬦	☑ ENTER	⤷ SETUP

Table of language and Their Abbreviations

Enter the appropriate code number for the initial settings "AUDIO", "SUBTITLE" and/or "DISC
MENU".

Code	Language	Code	Language	Code	Language	Code	Language	Code	Language
6565	Afar	6983	Spanish	7473	Yiddish	7789	Burmese	8385	Sundanese
6566	Abkhazian	6984	Estonian	7487	Javanese	7865	Nauru	8386	Swedish
6570	Afrikaans	6985	Basque	7565	Georgian	7869	Nepali	8387	Swahili
6577	Ameharic	7065	Persian	7575	Kazakh	7876	Dutch	8465	Tamil
6582	Arabic	7073	Finnish	7576	Greenlandic	7879	Norwegian	8469	Telugu
6583	Assamese	7074	Fiji	7577	Cambodian	7982	Oriya	8471	Tajik
6588	Aymara	7079	Faroese	7578	Kannada	8065	Panjabi	8472	Thai
6590	Azerbaijani	7082	French	7579	Korean	8076	Polish	8473	Tigrinya
6665	Bashkir	7089	Frisian	7583	Kashmiri	8083	Pashto, Pushto	8475	Turkmen
6669	Byelorussian	7165	Irish	7585	Kurdish	8084	Portuguese	8476	Tagalog
6671	Bulgarian	7168	Scots Gaelic	7589	Kirghiz	8185	Quechua	8479	Tonga
6672	Bihari	7176	Galician	7665	Latin	8277	Rhaeto-Romance	8482	Turkish
6678	Bengali:Bangla	7178	Guarani	7678	Lingala	8279	Romanian	8484	Tatar
6679	Tibetan	7185	Gujarati	7679	Laothian	8285	Russian	8487	Twi
6682	Breton	7265	Hausa	7684	Lithuanian	8365	Sansrit	8575	Ukrainian
6765	Catalan	7273	Hindi	7686	Latvian, Lettish	8368	Sindhi	8582	Urdu
6779	Corsican	7282	Croatian	7771	Malagasy	8372	Serbo-Croatian	8590	Uzbek
6783	Czech	7285	Hungarian	7773	Maori	8373	Singhalese	8673	Vietnamese
6789	Welsh	7289	Armenian	7775	Macedonian	8375	Slovak	8679	Volapük
6865	Danish	7365	Interlingua	7776	Malayalam	8376	Slovenian	8779	Wolof
6869	German	7378	Indonesian	7778	Mongolian	8377	Samoan	8872	Xhosa
6890	Bhutani	7383	Icelandic	7779	Moldavian	8378	Shona	8979	Yoruba
6976	Greek	7384	Italian	7782	Marathi	8379	Somali	9072	Chinese
6978	English	7387	Hebrew	7783	Malay	8381	Albanian	9085	Zulu
6979	Esperanto	7465	Japanese	7784	Maltese	8382	Serbian		

Video Setup

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

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

LANGUAGE	TV ASPECT	4:3 LB
VIDEO		
AUDIO		
OTHERS		
◇	☑ ENTER	⊡ SETUP

2 **Selecting TV Aspect.**
Set your preferred TV ASPECT ratio with [ENTER] button.

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 look black color.
If a disc size is originally recorded in 4:3, the user cannot watch it in the wide screen format even though the user has set it to "16:9 Wide".

LANGUAGE	TV ASPECT	4:3 PS
		4:3 LB ✓
VIDEO		16:9 WIDE
AUDIO		
OTHERS		
◇	☑ ENTER	⊡ SETUP

Setup

Audio Setup

■ A user may select an audio menu according to the speaker set being used.

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

LANGUAGE	DIGITAL OUT	BITSTREAM
	DYNAMIC RANGE	
VIDEO		
AUDIO		
OTHERS		
◇	☑ ENTER	⤷ SETUP
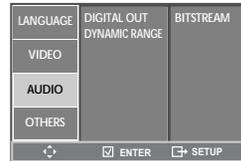
2 Select a Digital Output.

Set audio output to coaxial. You can set the outgoing digital signal to BITSTREAM or LPCM:

• **BITSTREAM** : The raw audio signal recorded on the disc goes to the digital audio output.
• **LPCM** : The decoded audio signal goes to the digital audio output.

LANGUAGE	DIGITAL OUT	BITSTREAM ✓
	DYNAMIC RANGE	LPCM
VIDEO		
AUDIO		
OTHERS		
◇	☑ ENTER	⤷ SETUP

3 Select a Dynamic Range.

You can set the Dynamic Range using the [▲▼] button.

• **Off** : You can hear the sound as it was originally recorded on the disc.
• **Full** : You can hear loud sounds softer and soft sounds louder.

LANGUAGE	DIGITAL OUT	– **FULL**
	DYNAMIC RANGE	– **3/4**
VIDEO		– **1/2**
AUDIO		– **1/4**
OTHERS		– **OFF**
◇	☑ ENTER	⤷ SETUP

Other Setup

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

LANGUAGE	OSD	ON
	SCREEN SAVER	ON
VIDEO	DEFAULTS	RESET
	PARENTAL	8 ADULT
AUDIO	PASSWORD	CHANGE
OTHERS		
◇	☑ ENTER	⤷ SETUP

2 Select character display window.
Select "On" to make the OSD (On Screen Display) language appear on screen.

LANGUAGE	OSD	ON ✓
	SCREEN SAVER	OFF
VIDEO	DEFAULTS	
	PARENTAL	
AUDIO	PASSWORD	
OTHERS		
◇	☑ ENTER	⤷ SETUP

3 Select screensaver.
If bright scenes continue to be displayed on screen, the TV can be damaged. If the screen saver is set to "ON" and the resume stop, stop, or open status is maintained for about 5 minutes, the screensaver will function automatically causing the DVD logo to move continuously.

LANGUAGE	OSD	
	SCREEN SAVER	ON ✓
VIDEO	DEFAULTS	OFF
	PARENTAL	
AUDIO	PASSWORD	
OTHERS		
◇	☑ ENTER	⤷ SETUP

4 Restoring DEFAULTS.
This feature resets every function to its original Factory Defaults except the Parental Control settings.

LANGUAGE	OSD	
	SCREEN SAVER	
VIDEO	DEFAULTS	RESET ✓
	PARENTAL	
AUDIO	PASSWORD	
OTHERS		
◇	☑ ENTER	⤷ SETUP
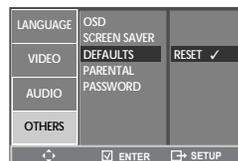
5 Select Parental.
Press [▶] button when the cursor is highlighting PARENTAL.

Select the Parental Level using the [▲▼] button, and press the [ENTER] button.

These 8 levels of parental control, protect children from watching violence, sexual scenes and other objectionable material.

When "PASSWORD" appears on the screen, input the password. Then press [ENTER] button.

LANGUAGE	OSD	8 ADULT ✓
	SCREEN SAVER	7 NC-17
VIDEO	DEFAULTS	6 R
	PARENTAL	5 PG-R
AUDIO	PASSWORD	4 PG-13
		3 PG
		2 G
OTHERS		1 KIDS
◇	☑ ENTER	⤷ SETUP

LANGUAGE	OSD	8 ADULT ✓
	SCREEN SAVER	7 NC-17
VIDEO	DEFAULTS	6 R
AUDIO	PASSWORD	xx
OTHER	OK	
◇	☑ ENTER	⤷ SETUP

Setup

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Other Setup

Changing a password.

6 To change your password, move the cursor to "PASSWORD" and press [▶].

Then press the [ENTER] button.

Enter "OLD PASSWORD", "NEW PASSWORD", and "CONFIRM PASSWORD".

And press the [ENTER] button.

Now your password is changed.

LANGUAGE	OSD	
	SCREEN SAVER	
VIDEO	DEFAULTS	
	PARENTAL	
AUDIO	PASSWORD	CHANGE ✓
OTHERS		
◇	☑ ENTER	⬛ SETUP

LANGUAGE	OSD	
	SCREEN SAVER	
VIDEO	DEFAULTS	
	OLD PASSWORD	XXXX
AUDIO	NEW PASSWORD	XXXX
	CONFIRM PASSWORD	
OTHER	OK	
◇	☑ ENTER	⬛ SETUP
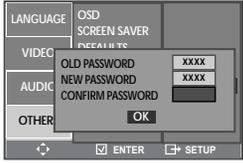
NOTE

The initial password is 3308. In case you forget the newly-entered 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, the Parental Lock doesn't activate.

About DVD

Playable Discs

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

Disc type	Playable	Restriction
DVD	Possible	Region number 2 or Region number All
Video CD	Possible	Version 1.0/1.1/2.0, SVCD
CD	Possible	PCM or dts
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	Possible	except KODAC CD

• You should record the file with standard format.
• Playback of some discs such as CD-R, CD-RW, DVD-R, DVD-RW, or DVD+RW may be impossible according to its record status.

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 "2". 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 "2" or "ALL".

(Region 2)

(Region ALL)

The others

About DVD

Terms related to 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 high-definition video 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 and SVCD. 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	A title in a DVD is divided into many tracks, or chapters. A chapter is an area on the DVD to which you can navigate using the remote control to locate special electronic markers. The DVD player can then locate any particular scene and skip directly to it.
TITLE	This is the information recorded on a DVD. A DVD can be divided into many titles.
TRACK	In a video CD and audio CD. A disc consists of many tracks. The user can search for these tracks.
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 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 analogue 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.

About DVD

Handling Disc

- Keep the disc clean and in good condition. Handle with care.
- Do not put sticky paper or tape on it.
- Do not expose a disc to direct sunlight or other forms of heating.
- After using the disc, please replace it in its case.

Cleaning Disc

- Before using the disc, please wipe it from its centre outwards, using a clean, soft cloth.
- Do not use any type of solvent such as thinner, benzol (benzene), commercial cleaning goods or antistatic spray.
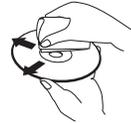
Basic information about VCR and Videotape

Terms related with VCR

AFT   Automatic fine tuning, a circuit that automatically adjusts TV reception for optimum reception/picture.

CABLE   Cable television.

Index Search A feature of this VCR that automatically records an index mark 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 with some of the tape economy of Extended Play (EP).

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 key. 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).

Dew/ Condensation

- If a VCR is moved from a cool place to a warm and damp place or to a place facing direct cool wind from say an air-conditioner...the change in, temperature results in condensation occurring on the head drum of the VCR.

If dew condensation occurs,

1   First, turn it on for one or two hours before using it.

2   Do not use it because it may cause problems to the VCR or videotape.

How to use a head cleaner

- In the case of an old or contaminated videotape, playback picture may not be clear due to the contamination of the VCR heads. Please remove contaminants using a head-cleaner. (See below!)

1   Insert a head-cleaner into VCR

2   Press "PLAY" for 5 seconds, and then press "FF" for about 10 seconds.

PLAY (5secs)   ⟶   FF (10secs)

3   Eject the head-cleaner from VCR
     • Should the playback picture still be poor or not viewable repeat the headcleaning process 2 or 3 times. Otherwise contact your Authorised Service Agent

Trouble Shooting guide (VCR)

Symptom	Checks
• "Power On" does not work. • It does not work even in "Power On".	➤ Please check whether the power plug is inserted in to the mains socket . ➤ Please check whether a videotape is inserted in. ➤ Switch off and reinsert plug into mains socket.
• A videotape is not recognised.	➤ Please check whether the power plug is inserted in to the mains socket. ➤ Please check whether a videotape was inserted. ➤ Please check whether a videotape is inserted the correct way up! (The side of transparent window should be on the upside) ➤ Have you tried to re-insert a videotape just after the tape was ejected? Please try again after fully ejecting.
• On inserting a videotape, the tape is re-ejected.	➤ This is a safety mode to protect the videotape and is operated automatically. Please pull out the tape and put it in again.
• The videotape is not ejected.	➤ If the product has not been used for a long time, the cassette may not eject because the videotape has stretched. In this case, please pull out the power plug for about 10mins and then press "EJECT" button.
• A picture on the video channel and a playback image do not appear. • Not receiving an off-air signal but displays playback images.	➤ Please check your antenna's interconnections. ➤ TV channel should be tuned to the unit on a vacant programme number video channel. ➤ Please check your antenna's signal it may be weak. If signal is weak contact aerial specialist. ➤ Press "TV/VCR" and then ensure "VCR" is displayed on the display panel.
• No picture on VCR channel.	➤ Is VCR turned on? ➤ Select TV by pressing [TV/VCR] button on remote control.
• Noise appears on screen after playback of recording.	➤ Whilst playing a videotape, there may be some noise experienced in the beginning of the videotape or when resuming "PAUSE". This <u>NOT</u> a fault
• While in play, noise appears. Picture poor/noisy in play	➤ Please press "TRACKING" for improved picture. Videotape may be worn. Try to change it for another one.
• Sound and playback image are poor. • Sound presents but picture does not appear. • Picture is irregular and stripes appear. • "Error" message is displayed on screen.	➤ Please use a head-cleaner to clean VCR heads. VCR heads may be contaminated.
• When playing back a recording, the top of picture waves about.	➤ Since VCR Play signals are not as stable as TV signals, the playback image may appear unstable or distorted. To fix the problem, ensure you are tuned in to the 'VCR' programme channel no. alternatively connect via scart lead+select A/V or TV.
• Picture is not clear.	➤ If the videotape signal was recorded by another/incompatible product or old faulty unit, horizontal noise bars may appear on the screen. ➤ Try to adjust the screen by [TRACKING+/-] button ➤ Try to use a head-cleaner.
• Picture on pause is unstable or slow motion is not clear.	➤ Try to use a head-cleaner. ➤ Try to adjust the screen by [TRACKING+/-] button. ➤ If 2 head machine then this symptom is not a fault!

The others

Trouble Shooting guide (VCR)

Symptom	Checks
• **Recording a TV program is impossible.**	➤ For recording, you should use videotape with a tab. Ensure tab is <u>NOT</u> removed ➤ Ensure there is no RF clash if so change RF output. ➤ Please check whether the timer recording info is right. ➤ Are RF cables input/antenna inputs connected correctly?
• **After pressing "REC", the videotape is ejected automatically.**	➤ Please check whether the clock is right. ➤ Does the display on your video show " ⌐ " (Ready for timer recording)? Please check! ➤ Please check whether the timer recording info is right. ➤ Please check that the record protect tab on the cassette is intact. (If the tab is missing, cover the hole with a piece of scotch tape.)
• **Timer recording of Cable TV does not work.**	➤ Was a cable data output code connected correctly? ➤ Did you turn off your player? (Please turn it on.)
• **In spite of pressing "CHANNEL", a channel can not be set.**	➤ You may have not memorised channels. ➤ Please check your channel setting or press a number button.
• **When duplicating/ copying, picture is poor and distorted.**	➤ Some tapes or discs distributed in the rental market for hire are copyright protected to prevent copying. These tapes cannot be duplicated.
• **remote control does not work.**	➤ Battery may be weak or exhausted. ➤ The receiver of remote control may be of an incompatible frequency to sender frequency.
• **Buttons on remote control do not work.**	➤ During index search when videotape is positioned towards the beginning, "VISS REW" and "REW" do not work. ➤ If videotape is at the end, "FF", "VISS FF", "PLAY" and "REC" will not work.
• **VISS index search does not work.**	➤ Are you playing a tape that was not recorded on this machine? (Try to re-record it using this recorder.) ➤ You may start recording it in "REC-PAUSE". Otherwise start recording from stop condition.
• **Cable broadcasting can not be selected.**	➤ Please select "CABLE" programme number from the "CHANNEL SETTING".

Trouble Shooting guide (DVD)

Symptom	Checks
• The recorder does not play.	➤ 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 2 or All. ➤ Please check whether a DVD is inserted in an upright direction (Label up). ➤ If it is a CD-ROM for PC or DVD-ROM, it will not work.
• No sound comes through.	➤ During play mode if "SLOW" or "PAUSE" selected. (There will be no sound output.) ➤ Are all connections correct? ➤ Please check the operative condition of TV or amplifier. ➤ From SETUP, please check "AUDIO" menu.
• A disc is playing but a picture does not appear or a poor picture appears.	➤ Did you turn on your TV set? ➤ Are all connections correct? ➤ Play may be in "PAUSE" mode. ➤ A disc may have some contaminants or be damaged. ➤ A disc may be faulty.
• Sound is irregular	➤ Please check the connection with Dolby Digital amplifier. ➤ Please check the plugs are connected properly. ➤ Check all contacts and connections.
• REMOTE does not work.	➤ Please check the angle of operation of the remote control, the distance and any obstacles that may be interrupting the signal. ➤ Battery may be weak or exhausted. ➤ When you operate DVD, use it by pressing [DVD] button.
• Dolby Digital sound does not work	➤ Dolby Digital sound can be reproduced via a Dolby Digital amplifier only. ➤ Please check "Dolby Digital " mark on your DVD. ➤ If playing it through the digital output, while pressing "STOP", please check whether "Digital Output" is "Bitstream" by pressing "SETUP" on menu. ➤ Please check that the connection is correct.
• "AUDIO" or "SUBTITLE" button does not work.	➤ If a DVD does not include language information, these functions are not supported.
• "ANGLE" button does not work while a DVD is playing.	➤ "ANGLE" is supported only by a DVD that contains multi angle scenes. The "ANGLE" mark on screen will confirm that to the user this feature is supported.
• "MENU" does not appear while a DVD is playing.	➤ Please check the angle of operation of the remote control, the distance and any obstacles that may be interrupting the signal. ➤ Please check that the battery in the remote control is not exhausted. ➤ DVD may not contain menu information.
• The file name of MP3 (CD-R) appears with strange letters.	➤ The file name of MP3 only recognises the Alphabet (A~Z, a~z), numbers (0~9) and a special symbols on keyboard (~, !, @, #, $ ....) 10 letters can be displayed at maximum. ➤ The letters above will be displayed as follows "----".
• Any MP3 (CD-R) file isn't displayed.	➤ If the surface of the disc is marked, the file display and playback will not be possible.

The others

Specifications

Supply Voltage	200-240V~, 50/60Hz
Power Consumption	20W
Weight	4.6kg
Dimension (W x H x D)	435mmx93mmx255mm (without foot), 435mmx98mmx255mm (with foot)
Operating temperature	+5°C~40°C
Installation condition	Horizontal / Relative humidity under 80%
Laser output	5mW (continuous wave max.)
Wave length	635nm (DVD), 730nm (CD)
Signal type	PAL-I 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 (COAXIAL)
Playable tape	Very high density 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
Playing time	SP: 3hrs, LP: 6hrs (use of E180tape)
Clock display	24 hrs
Time Recording	8 programs a month
Power failure back-up period	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

IMPORTANT

DAEWOO

YOUR 1ST YEAR MANUFACTURER'S GUARANTEE

Please keep this with your purchase receipt, which will be required if service is needed on this product during the guarantee period.

KEEP THIS SECTION FOR FUTURE REFERENCE

MODEL No.

SERIAL No.

DATE OF PURCHASE

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To register you product for its 12 month guarantee please complete and return the section below.

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INITIALS

NUMBER/HOUSE NAME/STREET

TOWN

COUNTRY

POSTCODE

PRODUCT DETAILS

MODEL No.

SERIAL No.

PRODUCT DESCRIPTION

DATE OF PURCHASE

PRODUCT VALUE

NAME OF RETAILER

On the expiry date of the manufacturer's guarantee you will be sent details of our annual insurance plan but if you have already bought an extended warranty for this product from your retailer please tick box ☐

The information provided will be held on computer by the DAEWOO Registration Department of Domestic & General Insurance Co. Limited for the provision of warranty insurance or product related purposes.
The information will not be disclosed to third parties, should you prefer not to receive product related details writes to Domestic & General Insurance Co. Limited, on the address overleaf.

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DAEWOO GUARANTEE CONDITIONS

This product is guaranteed for 12 months from the date of original purchase. Any defect that arises due to faulty materials or workmanship will be repaired free of charge during this period by the dealer from whom you purchased the unit. The guarantee is subject to the following provisions.

The guarantee does not cover accidental damage, misuse, cabinet parts, knobs or consumable items such as batteries, drive belts or bulbs.

The product must be correctly installed and operated in accordance with the instructions contained in the manual. It must be used solely for domestic purposes. For further information regarding your guarantee please see the section at the rear of your user manual.

The guarantee will be rendered invalid if the product is resold or has been damaged by inexpert repair.

DAEWOO disclaims any liability for incidental or consequential damages.

The guarantee is in addition to and does not diminish your statutory or legal rights.

In the event of a breakdown please refer to your instruction manual and check all plugs, fuses and electricity supply. In the event of there being no breakdown you will be charged for the repair.

DAEWOO GUARANTEE DEPARTMENT

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Warwickshire CV12 8JP

AFFIX
STAMP
HERE