

Digital Video Disc Player & Video Cassette Recorder



Read this manual first!

Congratulations on purchasing this Philips product.

We've included everything you need to get started.

If you have any problems, Philips Representatives can help you get the most from your new product by explaining:

- Hookups,
- First Time Setup, and
- Feature Operation.

Do not attempt to return this product to the store.

For fast help, call us first!

Tel: see back page of your manual

Thank you for making Philips a part of your home!



SHOWVIEW®

Let's make things better

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PHILIPS

General Information

The region code for this set is 2.

Since it is usual for DVD movies to be released at different times in different regions of the world, all players have region codes and discs can have an optional region code. If you load a disc of a different region code to your player, you will see the region code notice on the screen. The disc will not playback, and should be unloaded.



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The DVD VIDEO player is in conformity with the EMC directive and low-voltage directive.

For Customer Use:

Read carefully the information located at the bottom of your DVD VIDEO player and enter below the Serial No. Retain this information for future reference.

Model No. DVD VIDEO

Serial No. _____

Laser safety

This unit employs a laser. Due to possible eye injury, only a qualified service person should remove the cover or attempt to service this device.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

**NOTE:
PICTURES SHOWN MAYBE DIFFERENT BETWEEN COUNTRIES.**

LASER

Type	Semiconductor laser GaAlAs
Wave length	650 nm (DVD) 780 nm (VCD/CD)
Output Power	0.8 mW (DVD) 0.5 mW (VCD/CD)
Beam divergence	60 degree

CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
KLASSE 1 LASER APPARAT
CLASSE 1 PRODUIT LASER

**CAUTION
(WARNING LOCATION: ON THE BACKPLATE OF SET)
NEVER MAKE OR CHANGE CONNECTIONS WITH THE POWER SWITCHED ON.**

CAUTION: VISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. AVOID EXPOSURE TO BEAM.

(WARNING LOCATION: INSIDE, TOP OF THE MECHANISM)

SHOWVIEW®

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Introduction

Thank you for purchasing this Philips DVD/VCR player. This Owner's Manual explains the basic operation of this DVD/VCR.

Environmental Information

All unnecessary packaging has been omitted. Packaging has been made easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet).

Your DVD/VCR consists of materials which can be recycled and reused if disassembled by a specialised company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

Supplied accessories

- Remote control
- Batteries (two AA size) for remote control
- SCART cable (*not available for all versions*)
- Audio Cable
- RF Coaxial cable
- Owner's Manual

Safety Information

- Before operating the DVD/VCR, check that the operating voltage indicated on the type-plate (or the voltage indication beside the voltage selector) is identical with the voltage of your local power supply. If not, please consult your dealer.
- Place the DVD/VCR on a flat, hard and stable surface.
- There must be sufficient room in front of the player for the disc tray to be opened.


- In cabinet, allow about 2.5cm (1 inch) of free space all around the player for adequate ventilation.
- Do not expose your player to extreme of temperature or humidity.
- If the DVD/VCR is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens of the disc unit inside the DVD/VCR player. Should this occur, the DVD/VCR would not operate normally. Leave the player on for about one hour with no disc in the DVD/VCR until normal playback is possible.
- The mechanical parts of the set contain self-lubricating bearings and must not be oiled or lubricated.
- Never spill liquid of any kind on this unit. If liquid is spilled into the unit, consult qualified service engineer.
- **When the DVD/VCR is switched to Standby mode, it is still consuming some power. To disconnect the system from the power supply completely, remove the AC power plug from the wall socket.**

Symbols Used in this Manual

The below symbols appear in some headings and notes with the following meanings:

VCR	- Description refers to playback of video cassette tapes
DVD	- Description refers to playback of DVD-video discs
CD	- Description refers to playback of Audio CDs
MP3	- Description refers to playback of MP3 files

Helpful Hints!

- **Some DVD video discs require specific functions or allow only limited functions during playback.**
- “” may appears on the TV screen which means that the function is not available on that specific DVD video disc.

Front Panel

DISPLAY

- shows the current status of the player

Disc Tray

- insert a disc here

Remote Sensor

- receive signals from remote control

Cassette Compartment

- insert a tape here

STANDBY-ON

- to switch the player to ON or OFF

TIMER

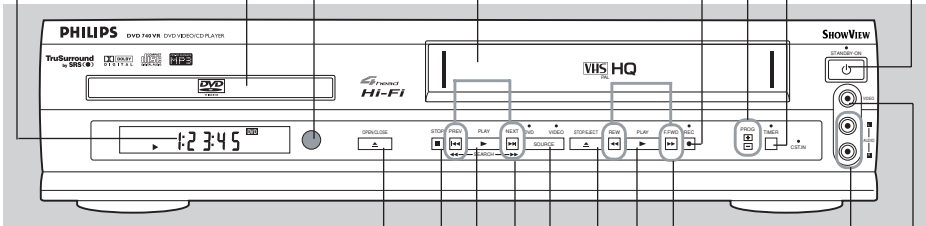
- to put the DVD/VCR into standby mode for a timer recording

PROG + -

- In VCR mode, to change TV channels, to adjust tracking during playback or to remove vertical jitter in a still picture

REC (RECORD)

- Press once to start recording, repeatedly to start an One-Touch Recording



SOURCE (OUTPUT)

- to select between DVD and VCR mode

◀◀ PREV / ▶▶ NEXT (DVD)

- goes to previous or next chapter or track during playback; press and hold for three seconds for a forward and reverse search

▶ PLAY (DVD)

- to start, pause or resume disc playback

■ STOP (DVD)

- to stop playback

▲ OPEN/CLOSE

- to open/close the disc tray

▲ STOP/EJECT (VCR)

- when playback is stopped, press to eject the tape

▶ PLAY (VCR)

- to play a tape

◀◀ REW / ▶▶ F.FWD (VCR)

- rewind or fast forward at high speed during playback is stopped

AUDIO IN

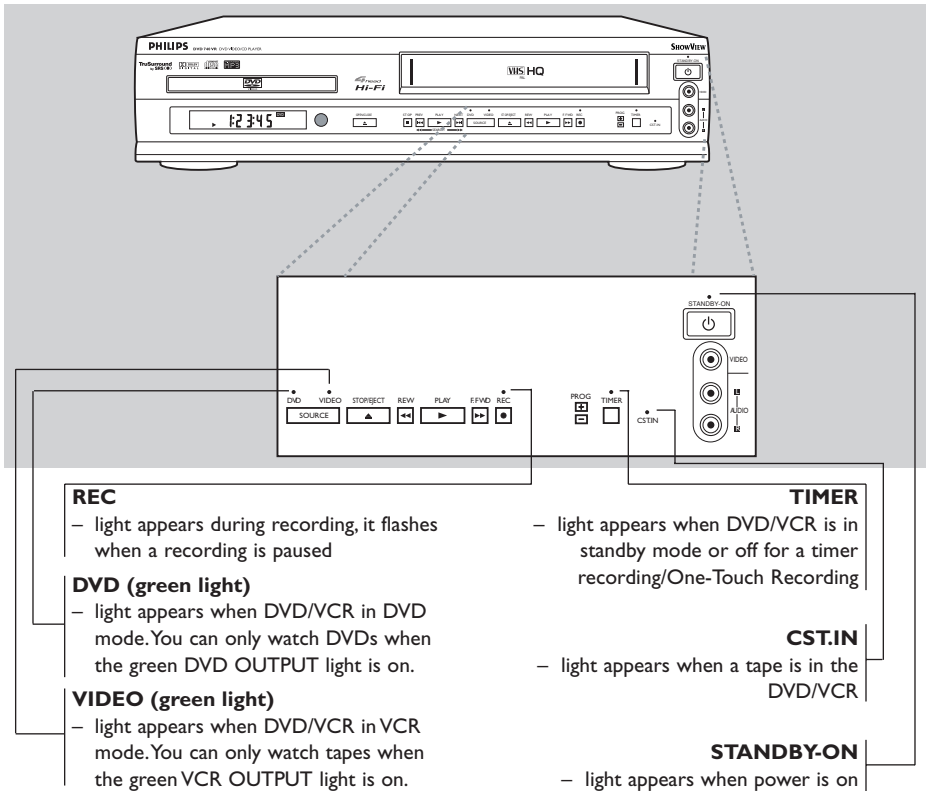
- connect to AUDIO OUT of an audio source

VIDEO IN

- connect to VIDEO OUT of a video source

Functional Overview

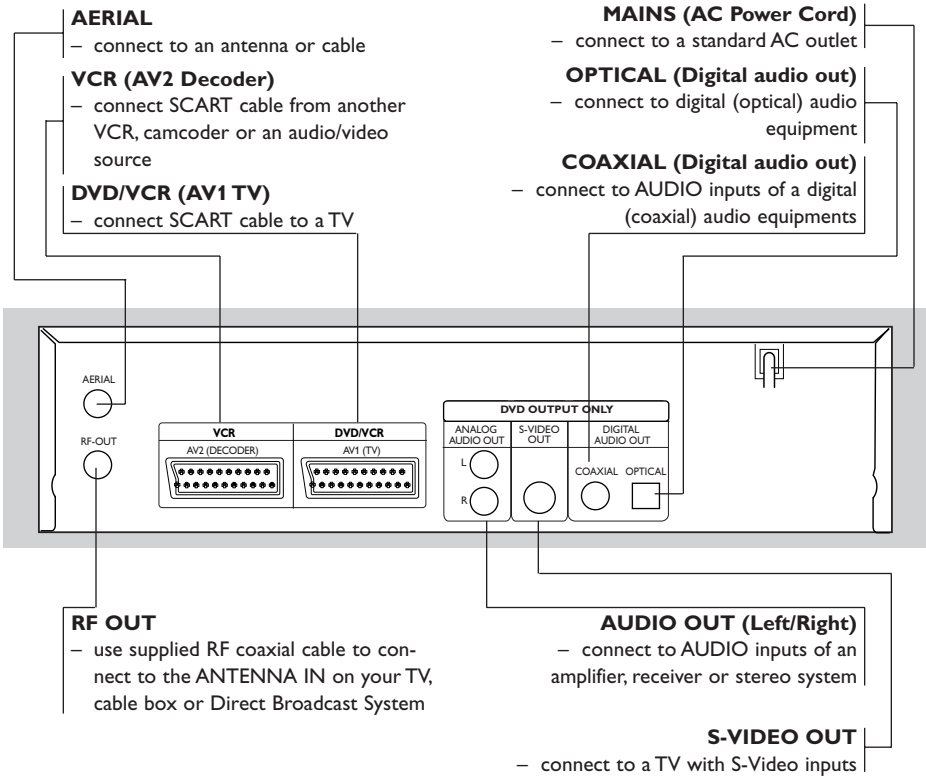
Display front Panel



Display Message

P - ON	Power is turning on.
- - - -	Appears after the disc tray closes if the tray is empty, if there is an error reading the disc, or if an unacceptable disc is installed.
OPEN	Tray is opening or is open.
CLOSE	Tray is closing. This also may appear as the Player tries to load a Disc.
Load	Disc is loading.
P - OFF	Power is turning off.

Rear Panel



Caution: Do not touch the inner pins of the jacks on the rear panel. Electrostatic discharge may cause permanent damage to the unit.

Functional Overview

Remote Control

- to put the DVD/VCR into standby mode for a timer recording

TIMER SET

SETUP

- to access or remove the DVD setup menu (DVD)

AUDIO

- to choose audio languages or sound modes (DVD)
 - to choose sound modes (VCR)

SUBTITLE

- subtitle language DVD selector (DVD)

ANGLE

- select DVD camera angle (DVD)

SKIP/P (◀◀/ + /▶▶/ -)

- to skip chapter/tracks (DVD)
- to change TV channels (VCR)

C.RESET/CLEAR

- to reset the setting (DVD)
- to reset the counter (VCR)

DVD

- press before using the remote control for DVD features

DISPLAY

- to access or remove the display screen during DVD or Audio CD playback(DVD)
- to access or remove VCR's on-screen status display(VCR)

VCR

- press before using the remote control for VCR features

DISC MENU

- to display the menu of the DVD disc or to access VCR menu



- (left/right/up/down) select an item in the menu (DVD)

0-9 numerical key pad/+10

- select numbered items in a menu (DVD)
- use +10 button to enter number 10 and above (DVD)

DAILY/WEEKLY

- Press to select once, daily, everyday, or weekly when you programme the automatic timer recording using the SHOWVIEW system (VCR)

ZOOM

- enlarge DVD video image (DVD)

SEARCH MODE/QUICK-FIND

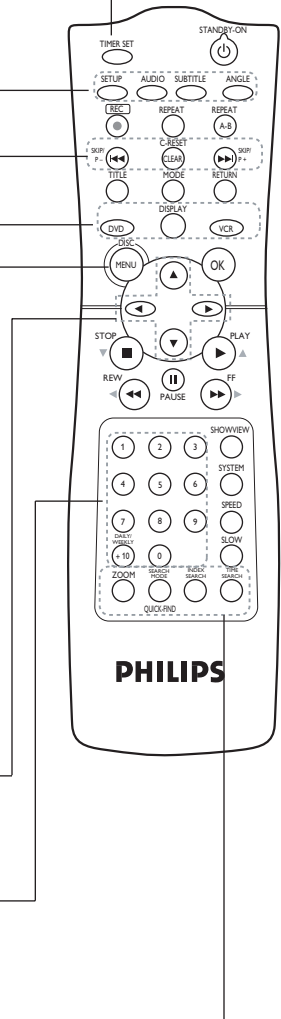
- to access or remove search display (DVD)
- to skip to the beginning of next programme(VCR)

INDEX SEARCH


- to fast forward or rewind the tape at index number (VCR)

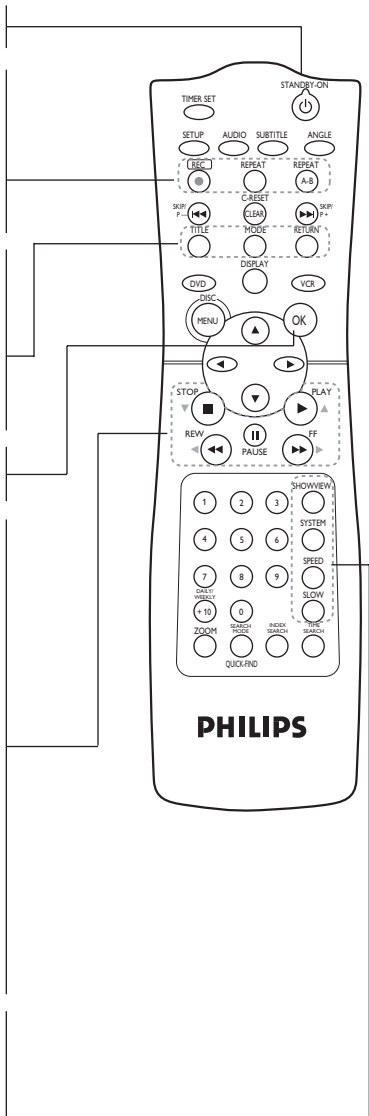
TIME SEARCH

- to fast forward or rewind the tape at specific length of time (VCR)



Remote Control (cont'd)

- STANDBY-ON** 
 - switch DVD/VCR ON or OFF
- REC**
 - press once to start recording or repeatedly to start (VCR)
- REPEAT**
 - repeat chapter, track, title, disc (DVD)
- REPEAT (A-B)**
 - repeat a specific segment (DVD)
- TITLE**
 - to display title menu of a disc (DVD)
- MODE**
 - to set up programmed or random playback (Audio CD)
 - to set SRS TruSurround (DVD)
- RETURN**
 - to return previous or remove setup menu (DVD)
- OK**
 - acknowledge menu selection (DVD)
- STOP (■ / ▼)**
 - to stop a DVD disc playback (DVD)
 - to stop playback, recording or to select an item in the VCR menu (VCR)
- PLAY (▶ / ▲)**
 - to start a DVD disc playback (DVD)
 - to start a tape playback or to select an item in the VCR menu (VCR)
- REW (◀◀ / ◀)**
 - to view DVD picture in fast reverse motion (DVD)
 - to rewind the tape (VCR)
- PAUSE (||)**
 - pause playback temporarily / frame-by-frame playback (DVD)
 - pause playback and during recording temporarily (VCR)
- FF (▶▶ / ▶)**
 - to view DVD picture in fast forward motion (DVD)
 - to fast forward the tape (VCR)
- SHOWVIEW**
 - to programme timer recording with the SHOWVIEW system (VCR)
- SYSTEM**
 - Doesn't work in this model
- SPEED**
 - to select VCR's recording speed (SP or LP) (VCR)
- SLOW**
 - to view tape playback in slow motion (VCR)



Setting Up your DVD/VCR

Basic Connections

- Please refer to the instruction books of your TV, VCR, Stereo System or other devices as necessary to make the best connections.
- Make one of the following connections, depending on the capabilities of your existing equipment.

The following guidelines are options for the best picture and sound quality available on your DVD/VCR.

Picture

- 1 Use SCART RGB Output (DVD/VCR(AV1 TV)) for best picture quality (for DVD features).
- 2 Use S-VIDEO Output for the better picture quality (for DVD features only).
- 3 Use SCART Composite Output for good picture quality (for DVD and VCR features).
- 4 If your TV only has a RF-style (Antenna IN or 75 ohm) input, use the RF OUT for connection and set your TV to channel 22 ~ 69 with the same channel for DVD/VCR is set (for DVD and VCR features).

Sound

- 1 Digital audio connections provide the clearest sound. Connect the DVD/VCR DIGITAL AUDIO OUT (either COAXIAL or OPTICAL) to your amplifier or receiver (for DVD features only).
- 2 Use SCART Output (DVD/VCR(AV1 TV)) for better sound quality (for DVD and VCR features).

If digital connections are not possible, connect the DVD/VCR ANALOG AUDIO OUT (Left and Right) to your amplifier, receiver, stereo or TV (for DVD features only).

Warning!

- Never make or change connections with the power switched on.
- Connect the DVD/VCR directly to your TV, instead of eg. a VCR, to avoid distortion because DVD video discs are copy protected.
- Do not connect the ANALOG AUDIO OUT of DVD/VCR to PHONO IN of your amplifier or receiver.
- If you use the Euro audio/video cable, it is not necessary to connect the analog audio cable.

Connecting to a TV

- 1 Connect the antenna or cable to the AERIAL of your DVD/VCR.
- 2 Connect the DVD/VCR (AV1 TV) on the DVD/VCR to the corresponding connector on the TV.

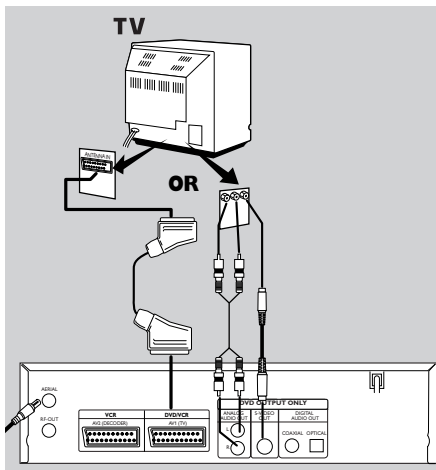
Note:

– Ensure that the “TV” indication on SCART cable is connected to the TV set and “DVD” indication on SCART cable is connected to the DVD/VCR.

If your TV is not equipped with a SCART input, you can select the following connection:

If your TV has a S-Video input connector,

- 1 Connect the antenna or cable to the AERIAL of your DVD/VCR.
- 2 Connect the S-Video out on the DVD/VCR to the S-Video in on the TV.
- 3 Connect the ANALOG AUDIO OUT on the DVD/VCR to the Left and Right audio in on the TV.

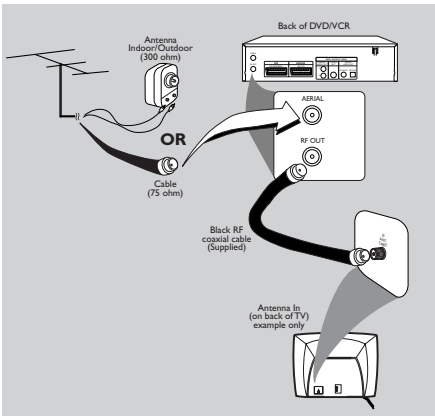


Note:

– You will still need the video cable or RF coaxial cable for VCR features.

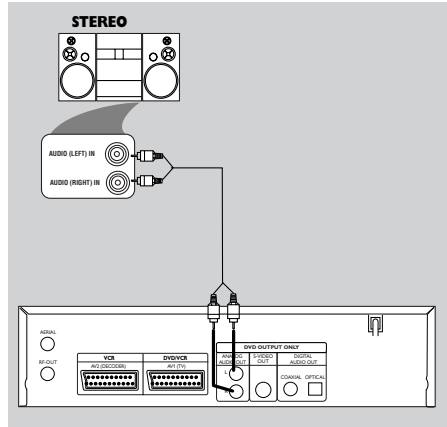
Simplest connection using only supplied black RF coaxial cable

- 1 Disconnect the antenna or cable from your TV.
- 2 Connect the antenna or cable to the AERIAL of your DVD/VCR.
- 3 Connect black RF coaxial cable to the RF OUT on the rear panel of the DVD/VCR and to the ANTENNA IN on the TV.
- 4 Plug in the power cords of the TV and DVD/VCR.



Connecting to an Audio System

- 1 You can also listen to the sound of audio CDs and DVD video discs by connecting to an optional stereo system.
- 2 Connect DVD/VCR ANALOG AUDIO OUT (Left and Right) to the audio in on the stereo system.



Setting Up your DVD/VCR

Connecting to Optional Equipment (for DVD features)

- A digital component with a built-in MPEG 2 or Dolby Digital™ decoder allows you to enjoy the surround sound while producing the effect of being in a movie theater or a concert hall.
- The player outputs the surround sound signals from the DIGITAL OUT COAXIAL or OPTICAL connector.

If your receiver has a MPEG 2 or Dolby Digital™ decoder,

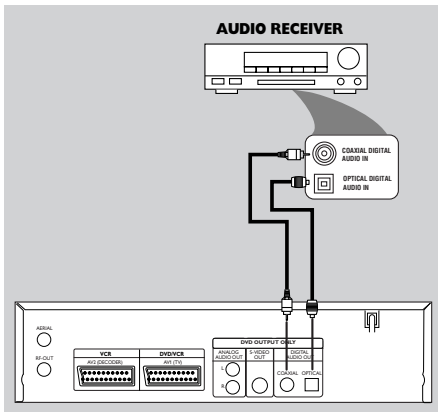
- 1 Connect the COAXIAL or OPTICAL DIGITAL AUDIO OUT of the DVD/VCR to the COAXIAL or OPTICAL DIGITAL AUDIO IN on your receiver.

Note:

– If the audio format of the digital output does not match the capabilities of your receiver, the receiver will produce a strong, distorted sound or no sound at all.

– MP3 Audio is not available on the Digital Output.

– You will still need the video cable or RF coaxial cable for VCR features.



External Input Mode (for VCR features)

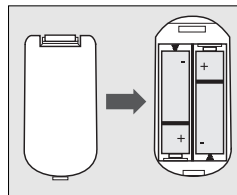
To receive the signal from an external input (decoder, video camera, another VCR etc.), connect to the AV2 (DECODER) socket, and enter "002" with numerical key pads button to appear "AV2" on the TV screen.

If you use the AV1 (TV) socket, enter "001" with numerical key pads button to appear "AV1" on the TV screen.

If you use the front AUDIO/VIDEO input jacks, enter "003" with numerical key pads button to appear "AV3" on the TV screen.

Inserting batteries into the Remote Control

- 1 Open the battery cover.
- 2 Insert batteries (AA size) with the correct polarity as indicated by the + and - symbols inside the battery compartment.
- 3 Close the cover.



CAUTION!

– Remove batteries if they are exhausted or not to be used for a long time.

– Do not use old and new or different types of batteries in combination.

– Batteries contain chemical substances, so they should be disposed off properly and kept away from children.

Using the Remote Control

- Direct the remote control at the remote sensor of the DVD/VCR.
- Do not drop the remote control.
- Do not leave the remote control near extremely hot or humid place.
- Do not spill water or put anything wet on the remote control.

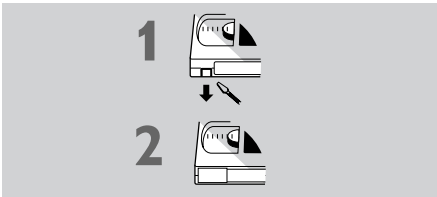
Playable Video Cassette Tapes

Philips Consume Electronics recommends that only video cassette tapes that have the VHS mark and High Quality (HQ) system is compatible with this DVD/VCR. This DVD/VCR has an Automatic Head Cleaner.

Recording Prevention

Video cassette tapes have record tabs to ensure recordings are not erased accidentally.

- 1 To prevent recording, break off the tab with a screw-driver.



- 2 To allow recording, cover the hole with cellophane tape.

Notes:

- Use only tapes with VHS mark.
- Remove any adhesive stick-on notes from the tape before inserting into the DVD/VCR.
- Periodic maintenance is required to maintain your DVD/VCR performance.
- Video heads will require replacement after a period of time. Only an authorised service center should perform this service.

Turning on your DVD/VCR

The following steps should only be performed if a power failure occurs or the DVD/VCR is unplugged for more than 30 minutes.

- 1 Turn on the TV and select the video channel on the TV.
- 2 Press the VCR button and then the STAND-BY-ON button.
- 3 Press the PLAY ► or STOP ■ button repeatedly to select your desired language.



- 4 Press the MENU button.

Video Channel Setting

Video channel setting will be necessary, if your DVD/VCR is connected to the TV via the coaxial cable.

- 1 Insert a pre-recorded tape into the DVD/VCR. The DVD/VCR will turn on and start playback automatically. If playback does not start, press the PLAY ► button.
- 2 Select and adjust your TV to channel 36.
 - If the playback picture appears on the TV screen, continue with step 8.
 - If channel 36 is employed for broadcasting, or interference lines appear on the picture, the RF converter must be set to a different channel between CH22 and CH69. Continue with step 3.
- 3 Press the MENU button.
- 4 Press the PLAY ► or STOP ■ button to select INITIAL. Then, press the FF ►► button.
- 5 Press the PLAY ► or STOP ■ button to select RF OUT. Then, press the FF ►► button.
- 6 Press the PLAY ► or STOP ■ button to select a channel which is not used for broadcasted between channel 22 and channel 69 in your area, then press the FF ►► button.



- 7 Press the MENU button to exit. Set the TV channel to the RF OUT CHANNEL which was selected on the DVD/VCR. A picture from the VCR will appear on the TV screen. If a picture does not appear, repeat steps 3 to 7 using a different channel which is not used for broadcasted.
- 8 Press the STOP ■ button to stop the tape.

Note:

- You may also access the RF OUT CH menu by pressing and holding MENU for 3 seconds during power off until the RF OUT CH menu appears.

Setting Up your DVD/VCR

Automatic Channel Setup

You can programme the tuner to scan only the channels that you can receive in your area.

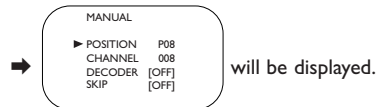
- 1 Turn on the TV and select the TV channel to the video channel on the TV.
- 2 Press the VCR button, then the MENU button.
- 3 Press the PLAY ► or STOP ■ button to select INITIAL, then press the FF ►► button.
- 4 Press the PLAY ► or STOP ■ button to select CH TUNING, then press the FF ►► button.
- 5 Press the PLAY ► or STOP ■ button to select AUTO, then press the FF ►► button.



- The tuner scans and memorizes all the active channels in your area. After scanning, the tuner stops on the lowest memorized channel.
- 6 Press the P +/- buttons or numerical key pads button to scan through channels you have received.

Manual Channel Preset

- 1 Press the VCR button, then the MENU button.
 - 2 Press the PLAY ► or STOP ■ button to select INITIAL, then press the FF ►► button.
 - 3 Press the PLAY ► or STOP ■ button to select CH TUNING, then press the FF ►► button.
 - 4 Press the PLAY ► or STOP ■ button to select MANUAL, then press the FF ►► button.
 - 5 Press the PLAY ► or STOP ■ button to select POSITION, then press the FF ►► button.
- When a weak signal is received in Manual Tuning mode, you can change the background to solid blue or the static screen by pressing the CLEAR button.
- 6 Press the PLAY ►, STOP ■ button or numerical key pads button to select your desired position number, then press the FF ►► button.



- You can select position number 01-99.
 - If you want to remove scrambled signals, press the PLAY ► or STOP ■ button to select DECODER. Then, press the FF ►► button to select [ON].
- 7 Press the PLAY ► or STOP ■ button to select CHANNEL, then press the FF ►► button.
 - 8 Press the PLAY ► or STOP ■ button. The DVD/VCR tuner will begin to search up or down automatically. When a channel is found, the DVD/VCR will stop searching and the picture will appear on the TV Screen.
- You can select desired channel number by using the number buttons. You must refer to the channel plan and press three digits to select the channel number. (To select channel 24, first press "0" button then press "2" and "4").
 - If this is the channel you want, press the FF ►► button.
- 9 Press the MENU button to exit.

Note:

– To confirm that a channel has been added, press the PROG +/- buttons.

Adding/Deleting Channels

- 1 Press the VCR button, then the MENU button.
 - 2 Press the PLAY ► or STOP ■ button to select INITIAL, then press the FF ►► button.
 - 3 Press the PLAY ► or STOP ■ button to select CH TUNING, then press the FF ►► button.
 - 4 Press the PLAY ► or STOP ■ button to select MANUAL, then press the FF ►► button.
 - 5 Press the PLAY ► or STOP ■ button to select POSITION, then press the FF ►► button.
 - 6 Press the PLAY ►, STOP ■ button or numerical key pads button to select your desired position number, then press the FF ►► button.
 - 7 Press the PLAY ► or STOP ■ button to select SKIP, then press the FF ►► button to select [ON].
- To memorize the channel again, press the FF ►► button. ON will change to OFF.

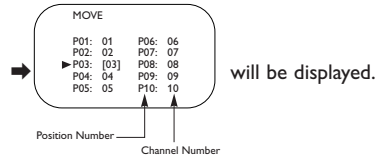


- 8 Press the MENU button to exit.

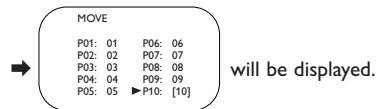
Channel Reprogramming

You can replace two channels.

- 1 Press the VCR button, then the MENU button.
 - 2 Press the PLAY ► or STOP ■ button to select INITIAL, then press the FF ►► button.
 - 3 Press the PLAY ► or STOP ■ button to select CH TUNING, then press the FF ►► button.
 - 4 Press the PLAY ► or STOP ■ button to select MOVE, then press the FF ►► button.
 - 5 Press the PLAY ► or STOP ■ button to select your desired position number, then press the FF ►► button.
- You cannot select a position number where “-” appears next to the number. This is because SKIP is set to [ON] for this position number.



- 6 Press the PLAY ► or STOP ■ button until the channel move to another position number, then press the FF ►► button.



- 7 Press the MENU button.

Setting Up your DVD/VCR

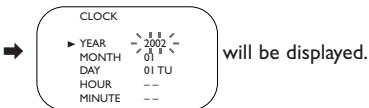
Setting the Clock

This DVD/VCR incorporates a 24-hour clock. The clock must be set for the Automatic Timer Recording function to operate correctly.

If your DVD/VCR is fitted out with PDC and the PDC signal is available in your area, your DVD/VCR can get the current time from your local PDC broadcast. It keeps track of the time constantly referring to the time broadcasted by your PDC broadcast. If you want to use this feature, refer to "AUTO CLOCK SETTING" in the next section.

Manual Clock Setting

- 1 Press the VCR button, then the MENU button.
- 2 Press the PLAY ► or STOP ■ button to select INITIAL, then press the FF ►► button.
- 3 Press the PLAY ► or STOP ■ button to select CLOCK, then press the FF ►► button.
- 4 Press the PLAY ► or STOP ■ button to select MANUAL.
- 5 Press the PLAY ► or STOP ■ button until the relevant year appears, then press the FF ►► button.



- 6 Likewise, set the relevant month, day, hour, and minute.
- 7 Press the MENU button to start the clock.

Notes:

- In the steps 5 and 6, you can go back to the item you want to correct by pressing the REW ◀◀ button.
- Although seconds are not displayed, they begin counting from 00 when you exit by pressing the MENU button. Use this feature to synchronise the clock with the correct time.
- When unplugging the power-cord or if there is a power failure for more than 30 minutes, you may have to reset the clock.

Auto Clock Setting

- 1 Follow the steps through 1 to 3 in "MANUAL CLOCK SETTING".
 - 2 Press the PLAY ► or STOP ■ button to select AUTO.
 - 3 Turn off the DVD/VCR once by pressing the STANDBY-ON button.
- The clock will appear on the TV screen when you turn on the DVD/VCR again.

Notes:

- Channel Presetting must be set before the Auto Clock is set.
- The DVD/VCR refers to the channel which was memorised into position 01. The PDC channel must therefore be set to position 01.
- The clock cannot be set automatically if you are not receiving a channel that carries a time signal in your area. In this case, set the clock manually.
- Once the auto clock setting is performed, the DVD/VCR will correct the current time by receiving PDC broadcasts whenever you turn off the DVD/VCR.
- The DVD/VCR will correct the current time automatically at 8:00.
- Between 23:00~1:00, the AUTO CLOCK function does not work even if the DVD/VCR power is turned off.

Setting Up your DVD/VCR, VCR Operation

Changing the Language

If you want to change the language used on the TV screen menus, follow the steps below.

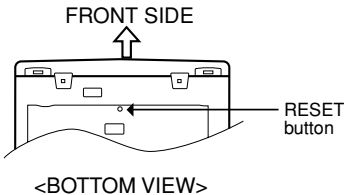
- 1 Press the VCR button, then the MENU button.
- 2 Press the PLAY ► or STOP ■ button to select INITIAL, then press the FF ►► button.
- 3 Press the PLAY ► or STOP ■ button to select LANGUAGE, then press the FF ►► button.
- 4 Press the PLAY ► or STOP ■ button to select your desired language.
- 5 Press the MENU button.

A Status Display

To check the Counter, or Clock & Channel number, press the DISPLAY button.

If the display shows an abnormal reading;

When power is off, press the RESET button on the bottom of the DVD/VCR with the tip of a pen etc. The DVD/VCR will reset the all setting for VCR features including timer recordings, the clock and the language settings. In this case, you need to reset these settings.



Playing a Video Cassette Tape

- 1 Turn on the TV and set the correct channels per your DVD/VCR channel.
- 2 With the DVD/VCR power off, insert a tape in the cassette compartment.
 - ➔ Playback will start automatically, if the tape's record tab has been removed.
- If the DVD/VCR power was already on, press the SOURCE button to switch to VCR mode.

- 3 If playback does not start automatically, press the VCR button, then press the PLAY ► button.
- 4 Press the STOP ■ button to stop playback and press the STOP/EJECT ▲ button on the DVD/VCR to remove the tape.

Note:

– *When playing a S-VHS format, you can't get the high resolution picture and noise lines may appear on the picture.*

IF A TAPE IS ALREADY IN THE DVD/VCR

Using the buttons on the DVD/VCR

Just press the PLAY ► button on the DVD/VCR. Power will automatically turn on and playback will start. (Direct Button Operation)

Using the buttons on the remote control

Press the STANDBY-ON button to turn on, and then press the PLAY ► button.

Recording a Video Cassette Tape

- 1 In stop mode, insert a tape with its record tab intact into the cassette compartment.
 - ➔ CST. IN light appears on the front of DVD/VCR.
- 2 Press the SPEED button until the desired tape speed appears briefly.
- 3 Use the P +/- buttons or the numerical key pad button to select the TV channel to be recorded.
- 4 Press the REC button to start recording.
- If a tape without a record tab is in the DVD/VCR, the DVD/VCR will eject the tape.
- 5 Press the PAUSE ■■ button once to pause the recording temporarily.
- 6 Press the PAUSE ■■ button again or the REC button to resume recording.
- 7 To stop recording, press the STOP ■ button.

Note:

– *Changing tape speed during recording will cause distortion on the tape.*

VCR Operation

Recording One Channel/ Watching Another

- 1 Press the VCR button, then the REC button to record the current TV channel.
- 2 Use the TV remote control to select the channel you wish to watch.
- 3 To return to the being recorded channel, use the TV remote control to select similar channel set on the DVD/VCR (eg. 36).
- 4 Press the STOP button to stop the recording.

One-Touch Recording

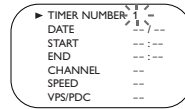
- This feature allows you to set an immediate time recording between 30 minutes to eight hours long.
- 1 Place the DVD/VCR in VCR mode and VCR position.
 - 2 Select a recording speed (SP, LP) with the SPEED button.
 - 3 Put a recordable tape in the cassette compartment.
 - 4 Press the VCR button, then the P +/- or numerical key pad buttons to select the channel to be recorded.
 - 5 Press the REC button repeatedly until the desired recording length appears on the screen.
➔ Recording starts immediately.
 - 6 To stop an OTR at any time, press STOP button.
 - To cancel the OTR but continue recording, press the REC button repeatedly until ● mark appears in the TV screen.
 - 7 When the OTR finishes, the DVD/VCR will switch to DVD mode automatically.

Timer Recording

- Timer Recording allows you to programme you DVD/VCR to record TV programs while you're away.
- 1 With the clock set to ON, press the VCR button, then the MENU button.
 - 2 Press the PLAY or STOP button to select TIMER, then press the FF button.



- 3 Press the PLAY or STOP button to select a slot to store the timer recording, then press the FF button.



- Numbers for open slots will flash on the screen.
- 4
 - For once-only recording : Press the PLAY or STOP button repeatedly until the relevant month appears.
 - For daily recording : To record a TV programme at the same time on the same channel from Monday through Friday. While the month digit is flashing, press the PLAY or STOP button to select MO-FR.
 - For everyday recording : To record a TV programme at the same time on the same channel every day. While the month digit is flashing, press the PLAY or STOP button repeatedly to select MO-SU.
 - For weekly recording : To record a TV programme at the same time on the same channel every week. While the month digit is flashing, press the PLAY or STOP button repeatedly to select W-MO (Example: every monday).
 - 5 For once-only recording only : Press the PLAY or STOP button repeatedly until your desired day appears.
 - 6 Press the PLAY or STOP button repeatedly until the relevant start hour appears. Next, enter the minute digit.
 - 7 Press the PLAY or STOP button repeatedly until the relevant end hour appears. Next, enter the minute digit.
 - 8 Press the PLAY or STOP button repeatedly until the relevant channel number appears.
 - 9 Press the PLAY or STOP button repeatedly until you the desired tape speed appears.
 - 10 Press the FF button Programme 1 is now completed.
 - 11 Press the MENU button to exit.
 - 12 Press the TIMER button to activate the timer.

Checking or Cancelling Timer Recording

- 1 Press the TIMER button.
- 2 Press the VCR button, then the MENU button.
- 3 Press the PLAY ► or STOP ■ button to select TIMER, then press the FF ►► button.
- 4 Press the PLAY ► or STOP ■ button to select programme number, then press the FF ►► button.
- The preset timer recording information will appear on the screen.
- 5 Press the PLAY ► or STOP ■ button repeatedly to review all the programmed timer recordings.
- 6 To cancel the timer recording displayed, press the REW ◀◀ button.

Note:

– If power fails for more than 30 minutes, programmed timer recordings will be lost.

TO STOP A TIMER PROGRAMME WHICH HAS ALREADY STARTED

Press the STOP/EJECT button on the DVD/VCR.

Hint for Timer Recording

- If there is a power failure or the DVD/VCR is unplugged for more than 30 minutes, the clock setting and all timer settings will be lost.
- If a tape ends during TIMER RECORDING, the DVD/VCR will stop, eject the tape, and switch to the DVD mode automatically as the TIMER light blinks. (If the DVD power is off, the DVD/VCR will become the STANDBY status).
- If a tape is not in the DVD/VCR or does not have a record tab, the TIMER light flashes and timer recording will not operate. Please insert a recordable tape.
- When timer recordings are set, the TIMER light will come on. To use the DVD/VCR as usual until the time for the recording, press the TIMER SET button so that the TIMER light disappears. Press the DVD/VCR Button to choose VCR or DVD modes, then continue with the other features as described in this manual.

VPS (Video Programme System)/ PDC (Programme Delivery Control)

The Video Programme System (VPS) or the Programme Delivery Control (PDC) is a very convenient system which assures that the TV programmes you have programmed for timer recording, will be recorded exactly from beginning to end, even if the actual broadcasting time differs from the scheduled time due to delayed start or extension of the programme duration. Also, if a programme is interrupted and, for example, some special news is broadcast, the recording will also be interrupted automatically and resumed when the programme continues.

When the VPS/PDC signal drop out because the broadcast signal is weak, or when a broadcasting station does not transmit a regular VPS/PDC signal, the timer recording will be performed in the normal mode (without VPS/PDC) even if it was programmed for VPS/PDC. When the starting time of the VPS/PDC timer recording is from 0:00 to 3:59 on a given day, the VPS/PDC function operates from 20:00 on the previous day to 4:00 on the following day. When the starting time of the VPS/PDC timer recording is from 4:00 to 23:59 on the given day, the VPS/PDC function operates from 0:00 on the day to 4:00 on the following day. This means that if the relevant programme is broadcasted within this period, it will be recorded correctly. If the timer is not programmed correctly, the incorrect timer setting stays in effect unless you cancel it. To cancel the incorrect timer setting, refer to "Checking or cancelling Timer Recording".

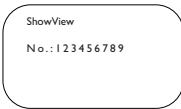
Timer Recording using the SHOWVIEW System

You can programme the timer using the SHOWVIEW numbers that are printed in TV guide magazine. You can set seven programmes to record.

- With the clock set to ON, press the VCR button, then the SHOWVIEW button.



- Press the numerical key pads button to set the SHOWVIEW number of the programme you want to record.



- Press the REW ◀◀ button to go back one digit from current digit while you set the SHOWVIEW number.

3

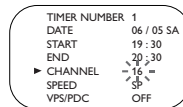
- For once-only recording : Press the SHOWVIEW button.
- For daily recording : To record a TV programme at the same time on the same channel from Monday through Friday. Press DAILY/WEEKLY button repeatedly to select DAILY (MO-FR), then, press the SHOWVIEW button.
- For everyday recording : To record a TV programme at the same time on the same channel every day. Press the DAILY/WEEKLY button repeatedly to select DAILY (MO-SU), then, press the SHOWVIEW button.
- For weekly recording : To record a TV programme at the same time on the same channel every week. Press the DAILY/WEEKLY button repeatedly to select WEEKLY, then, press the SHOWVIEW button.

Notes:

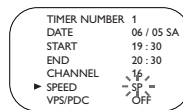
– If the SHOWVIEW number is not available, it will be cleared automatically when you press the SHOWVIEW button. Enter the correct SHOWVIEW number and press the SHOWVIEW button again.

– If the SHOWVIEW number flashes when you press the SHOWVIEW button, this means that the SHOWVIEW number you entered was incorrect or the timer recording you just programmed and another timer recording overlap.

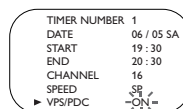
- Confirm the channel number, then, press the FF ▶▶ button.
 - If your local channel information is programmed in DVD/VCR memory, your local channel number appears automatically. (Refer to “SHOWVIEW Guide Channel Set”)
 - If your local channel information is not programmed in DVD/VCR memory, “— —” or an incorrect channel number may appear. In this case, press the PLAY ▶ or STOP ■ button repeatedly until your desired channel number appears. Then, press the FF ▶▶ button.
 - If you select the channel number using the PLAY ▶ or STOP ■ button, it memorises in DVD/VCR memory.



- Press the PLAY ▶ or STOP ■ button repeatedly until your the desired tape speed appears.



- Press the PLAY ▶ or STOP ■ button repeatedly to select “ON” or “OFF”.

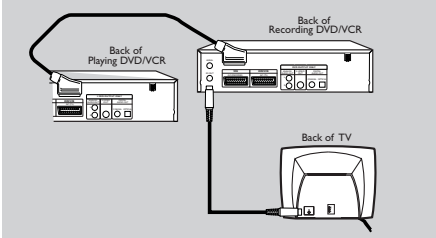


- Press the MENU button to exit.
- Press the TIMER button to activate the timer. The TIMER light on the display comes on.

VCR Operation

Rerecording (Tape Duplication)

- Connect the recording DVD/VCR (this unit), playing DVD/VCR (another VCR) and your TV as outline in the following diagram.



- 1 Insert a pre-recorded videocassette into the playing DVD/VCR.
- 2 Insert a blank videocassette into the cassette compartment of the recording DVD/VCR.
- 3 Press the SPEED button to select the desired recording speed (SP/LP).
- 4 Select "AV2" position on the recording DVD/VCR.
- 5 Press the RECORD button on the recording DVD/VCR.
- 6 Begin playback of the tape in the playback DVD/VCR.

Notes:

- For best results during dubbing, use the DVD/VCR front panel controls whenever possible. The remote control might affect the playback DVD/VCR operation.
- If video or colour fades in and out, you may be copying a copy guarded video tape.
- Different VCRs may operate differently and you can't record DVD material onto a video cassette tape using a single unit.
- Unauthorised recording of copyrighted materials may infringe on the rights of copyright owners, violate copyright laws and may not record clearly.

VCR features

- Ensure that all VCR setting begins in VCR mode by pressing the SOURCE button.
 - ➔ The VCR OUTPUT lights up on the DVD/VCR's front player.

Auto Return

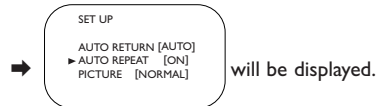
- 1 Press the VCR button, then the MENU button.
- 2 Press the PLAY ► or STOP ■ button to select SET UP then press the FF ►► button.
- 3 Press the PLAY ► or STOP ■ button to select to AUTO RETURN, then press the FF ►► button to select AUTO.
- 4 Press the MENU button.

Note:

- If there are any remaining programmes including Daily, Everyday, & Weekly, AUTO RETURN will not operate.

Repeat Play

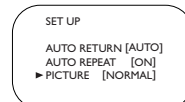
- 1 Press the VCR button, then the MENU button.
- 2 Press the PLAY ► or STOP ■ button to select SET UP then press the FF ►► button.
- 3 Press the PLAY ► or STOP ■ button to select AUTO REPEAT, then press the FF ►► button to switch between ON or OFF.



- 4 Press the DISPLAY/STATUS/EXIT button to exit.
 - ➔ When playback is completed, the DVD/VCR will rewind and start playback again.

Picture Select

- 1 Press the VCR button, then the MENU button.
- 2 Press the PLAY ► or STOP ■ button to select SET UP, then press the FF ►► button.
- 3 Press the PLAY ► or STOP ■ button to select PICTURE.
- 4 Press the FF ►► button to select the desired mode (NORMAL, SOFT, or SHARP).



- 5 Press the MENU button to exit.

Time Search

- 1 Press the VCR button, then the TIME SEARCH button.
- 2 Within 30 seconds, use the PLAY ►, STOP ■ button or the TIME SEARCH button to enter the desired length of time to skip forward or backward.
- 3 Press the FF ►► button or the REW ◀◀ button within 30 seconds.
 - The DVD/VCR will skip over the specified length of time, then begin playback.
- 4 Press the STOP ■ button to cancel the Time Search.

Note:

– Time Search does not function during recording.

Index Search

- 1 Press the VCR button, then the INDEX SEARCH button.
- 2 Within 30 seconds, use the PLAY ►, STOP ■ button or the INDEX SEARCH button to enter the desired number of programmes to skip forward or backward.
- 3 Press the FF ►► button or the REW ◀◀ button within 30 seconds.
 - The DVD/VCR will begin rewinding or fast forwarding to the beginning of desired programme, then begin playback.
- 4 Press the STOP ■ button to cancel the Index Search.

Notes:

– Index Search does not function during recording.

– The index mark will be made automatically when RECORD is pressed.

Quick Find

- 1 Press the VCR button, then the QUICK-FIND button to skip to the beginning of next programme.
- 2 Press the STOP ■ button to cancel the Quick Find.

Note:

– Quick Find does not function during recording.

VCR Operation

Special Effect Playback

Forward and Reverse Searching

- 1 During playback, press and release the FF ►► or REW ◀◀ button.
➔ A fast forward or reverse picture search will begin.
- 2 To return to normal playback, press the PLAY ► button.

Super High Speed Searching

- 1 During playback, press twice the FF ►► or REW ◀◀ button.
➔ The DVD/VCR will now search in super high speed.
- 2 To return to normal playback, press the PLAY ► button.

Viewing a Still Picture

- 1 During playback, press the PAUSE ■■ button.
➔ A still picture will appear on the screen.
- 2 To release the still picture and return to normal playback, press the PLAY ► button.
➔ You can advance the picture by one frame at a time by pressing the PAUSE ■■ button during the still mode.

Viewing a Slow Motion Picture

- 1 During playback, press the SLOW button.
➔ The tape will play in slow motion.
➔ You can control the speed by pressing the FF ►► or REW ◀◀ button.
- 2 To release the slow mode and return to normal playback, press the PLAY ► button.

Note:

– *Slow and Still modes will automatically switch to Stop mode after five minutes to protect the DVD/VCR and the tape from damage.*

Automatic Operation Features

Automatic Playback

- When a tape is inserted in the DVD/VCR, the power will turn on automatically.
- If the tape's record tab is missing, playback will start automatically.
- If a timer recording is set and the tape's record tab is intact, the power will not on automatically.

Automatic Rewind, Eject

- When a tape is played, fast forward or record to its end, the DVD/VCR will rewind the tape, stop, then eject the tape.
- If REPEAT PLAY is ON, the DVD/VCR will not eject the tape automatically and playback will begin.

Tape Eject

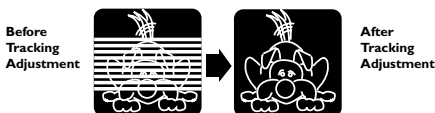
- A tape can be ejected with the DVD/VCR power on or off with the power connected.
- If a timer recording is set, the tape cannot be ejected unless the timer recording is cancelled.

Automatic Tracking Adjustment

- The DVD/VCR adjusts tracking automatically to obtain best picture quality.
- Manual tracking is also possible to enhance the picture quality.

Manual Tracking

- Press the PROG +/- buttons on the DVD/VCR to manually adjust the tracking during playback and slow motion playback.
- Tracking will switch to Automatic Tracking Adjustment when the STOP ■ button is pressed.
- During a still picture, manual tracking is not available but you can use the PROG +/- buttons on the DVD/VCR to remove vertical jitter in a still picture.



Hi-Fi Stereo Sound System

- Your DVD/VCR can only receive and record in Hi-Fi stereo or second audio programs that are broadcast in stereo or second audio.
- You can only play in stereo or second audio tapes that were recorded in stereo or second audio.

Note:

– Although a programme may be broadcast in both stereo and second audio, you cannot record in both at the same time.

SELECTING THE SOUND MODE

You can select each mode by pressing the AUDIO button on the remote control. Each mode is indicated on the TV screen as following.

- During playback of the recorded tape in Hi-Fi mode:

Mode	AUDIO OUTPUT		Display on the TV screen
Stereo	L	Hi Fi L Audio	STEREO
	R	Hi Fi R Audio	
L	L	Hi Fi L Audio	LEFT
	R	Hi Fi L Audio	
R	L	Hi Fi R Audio	RIGHT
	R	Hi Fi R Audio	
Normal	L	Normal Audio	- None -
	R	Normal Audio	

- Reception of stereo broadcasts:

Mode	AUDIO OUTPUT		Display on the TV screen
Stereo	L	L Audio	STEREO
	R	R Audio	
L	L	L Audio	LEFT
	R	L Audio	
R	L	R Audio	RIGHT
	R	R Audio	
Monaural	L	L+R Audio	- None -
	R	L+R Audio	

- During reception of bilingual broadcasts:

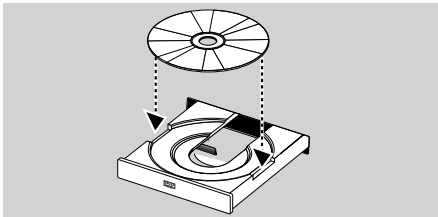
Mode	AUDIO OUTPUT		Display on the TV screen
MAIN	L	Main Audio	MAIN
	R	Main Audio	
SUB	L	Sub Audio	SUB
	R	Sub Audio	
MAIN SUB	L	Main Audio	MAIN SUB
	R	Sub Audio	

Notes:

- If you play non-Hi-Fi tapes, the DVD/VCR will play automatically in monaural even if you select any mode.
- If the stereo signal becomes weak, the broadcast is automatically recorded in monaural.

Basic Playback

- Before begin, turn on the power of the TV, audio receiver and any other equipment connected to the DVD/VCR.
 - Make sure the TV and audio received (optional) are set to the correct channel.
- 1 Press the STANDBY-ON button on the front panel.
➔ "P-ON" will appear briefly on the display panel.
 - 2 Press the SOURCE button, then the DVD button to select DVD mode.
 - 3 Press the OPEN/CLOSE \blacktriangle button on the front panel to open disc loading tray.
 - 4 Place the chosen disc in the tray, with the label facing up.
 - 5 Press the PLAY \blacktriangleright button.
➔ Playback starts automatically.
 - 6 Press the STOP \blacksquare button to stop playback.



Note:

– DVDs may have a region code. Your player will not play discs that have a region code different from the region code of your player.


General Features

DVDs may contain menus to navigate the disc and access special features. Press the appropriate numerical key or use the \blacktriangledown , \blacktriangle , \blacktriangleright , \blacktriangleleft keys to highlight your selection in the DVD menu and press the OK button to confirm.


Note:

– Unless stated, all operations described are based on remote control use. Some operations can be carried out using the menu bar on the TV screen.

Disc menus

- 1 Press the DVD button, then MENU button.
➔ The DVD's main menu will appear.
- 2 If a menu is no available,  symbol may appear on the TV screen.
- 3 If disc menu is available on the disc, audio language, subtitle options, chapters for the title and other options will appear for selection.
- 4 Press the $\blacktriangle\blacktriangledown\blacktriangleleft\blacktriangleright$ buttons to select an item, and the OK button to confirm selection.

Title Menu

- 1 Press the DVD button, then the TITLE button.
➔ The title menu will appear.
- 2 If a title menu is no available,  symbol may appear on the TV screen.
- 3 Press the $\blacktriangle\blacktriangledown\blacktriangleleft\blacktriangleright$ button to select an item, and the OK button to confirm selection.
➔ Playback will begin at the selected Title.

Pause

- 1 During playback, press the DVD button, then the PAUSE $\blacksquare\blacksquare$ button.
➔ Playback will pause and sound will muted.
- 2 To continue playback, press the PLAY \blacktriangleright button.

Step by Step Playback

- 1 During playback, press the DVD button, then the PAUSE **||** button.
 - ➔ Playback will pause and sound will be muted.
- 2 The disc goes forward by one frame each time the PAUSE **||** button is pressed.
- 3 To exit step by step playback, press the PLAY **▶** button.

Resume

- 1 During playback, press the DVD button, then the STOP **■** button.
 - ➔ Resume message will appear on the TV screen.
- 2 Press the PLAY **▶** button, playback will resume from the point at which playback was stopped.
- To cancel resume, press the STOP **■** button twice.
 - ➔ Playback will start from the beginning.

Fast Forward / Reverse Search

- 1 During playback, press the DVD button.
- 2 Press the FF **▶▶** or REW **◀◀** button repeatedly to select the required forward or reverse speed: x2, x8, x30, x60.
- 3 To return to normal playback, press the PLAY **▶** button.



- Use the FF **▶▶** or REW **◀◀** button to select the required forward or reverse at x16 the normal playback speed.

Slow Motion

- 1 During playback, press the DVD button, then the PAUSE **||** button.
- 2 Press the FF **▶▶** button.
 - ➔ Slow motion playback will begin and sound will be muted.
- 3 Press the FF **▶▶** button repeatedly to select the required speed: 1/16, 1/8, 1/2 of the normal playback.
- 4 To return to normal playback, press the PLAY **▶** button.

Zoom

The Zoom function allows you to enlarge the video image and to pan through the enlarged image.

- 1 Press the ZOOM button during playback.
 - ➔ Playback will continue.
- 2 Press the ZOOM button repeatedly to select the required zoom factor: x2, x4 or OFF.
- 3 Use the **▲▼◀▶** keys to move the zoomed picture across the screen.
- 4 To exit zoom mode, press the ZOOM button to "OFF" in the menu bar.

Track

There are three ways to begin playback on an Audio CD at a specific Track.

Using the Numerical key pads button

- 1 Press the DVD button, then select the numerical key pad button to enter the desired Track number.
 - ➔ Playback will start at the selected track.
- 2 For single digit tracks (1-9), press a single number (eg. track 3, press 3).
- 3 To play track 26, press +10, 2, 6 on the numerical key pad button.

Using the SEARCH MODE/TIME SEARCH button

- 1 Press the DVD button, then select the SEARCH MODE/TIME SEARCH button.
 - ➔ The track search display appears.
- 2 Within 30 seconds, select a desired track number using the numerical key pad button.
 - ➔ Playback will start at the selected track.

Using the SKIP **|◀◀▶▶|** button

- 1 Press the DVD button, then select the SKIP **▶▶|** button to move to the next track.
- 2 Press the SKIP **▶▶|** or **|◀◀** button. repeatedly to skip subsequent or to return of the current tracks.
 - ➔ Track number will appear briefly on the DVD/VCR display panel.
- When playback is paused, pressing the SKIP button will start the track playing automatically.

Note:

– The SKIP button are not available when playback is stopped.

DVD Operation

Title/chapter

- 1 Press the DVD button, then press the SEARCH MODE/TIME SEARCH button to display the Title/ Chapter Search on the TV screen.
- 2 To select Title/Chapter, press 3 to move to the desired title/chapter, then enter the title/chapter number using numerical key pad button.

Time Search

- 1 During playback, press the DVD button, then press the SEARCH MODE/TIME SEARCH button repeatedly to display the Time Search on the TV screen.
- 2 Within 30 seconds, enter a desired disc time using the numerical key pad button.
➔ Playback will start at the specified time.
- 3 Press the CLEAR button to erase the incorrect input.

Repeat

- The REPEAT button are available only during playback.

Repeat title/chapter

- To repeat the current chapter, press the REPEAT button.
➔ **REPEAT CHAPTER** appears on the front display.
- To repeat the current title, press the REPEAT button a second time.
➔ **REPEAT TITLE** appears on the front display.
- To exit Repeat mode, press the REPEAT button a third time.
➔ **REPEAT OFF** appears on the front display.

Repeat track

- To repeat the current track, press the REPEAT button.
➔ **REPEAT TRACK** appears on the front display.
- To repeat the entire disc, press the REPEAT button a second time.
➔ **REPEAT ALL** appears on the front display.
- To exit Repeat mode, press the REPEAT button a third time.
➔ **REPEAT OFF** appears on the front display.

Repeat A-B

- 1 Press the REPEAT A-B button at your chosen starting point.
➔ **REPEAT A-** appears briefly on the front display, and the TV screen.
- 2 Press the REPEAT A-B button again at your chosen end point.
➔ **REPEAT A-B** appears briefly on the front display, and the repeat sequence begins.
- 3 To exit the sequence, press the REPEAT A-B button.

Programme

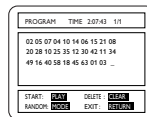
You may determine the order in which tracks will play.

- 1 In stop mode, press the DVD button, then press the MODE button.



➔ will be displayed.

- 2 Enter the desired track numbers using the numerical key pad button.



- 3 Press the PLAY button to play the programmed tracks.

Random Playback

This shuffles the playing order of tracks instead of playback in the sequence.

- 1 In stop mode, press the DVD button, then press the MODE button twice.
➔ **RANDOM** screen appears.
- 2 Press the PLAY button to start random playback.

MP3 Playback

When a CD with MP3 files in the DVD/VCR, the MP3 menu will appear on the TV screen.

- 1 In stop mode, press the ▲ or ▼ button to select the desired Album or Track.
 - To play a choosen track, press the PLAY ► or the OK button.
 - To play a choosen album, press the ▲ or ▼ button to select the desired track, then press the PLAY ► or the OK button.
 - Choose FIRST PLAY to start playback from the beginning of the listed tracks.
 - Press the TITLE button to return to the first item.
- 2 Press the STOP ■ button to stop playback.

Note:

- Folders are known as Albums; files are known as Tracks.
- Up to the eighth hierarchy can be played.
- Total of 255 Albums and Tracks can be recognised.
- You can play MP3 files as follows.
- Sampling frequency: 44.1 khz or 48 khz
- Fixed bit rate: 112kbps to 320kbps
- (Variable bit rate is not playable.)

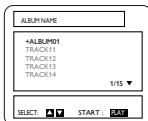
Display Information

You can check the MP3 files during playback.

- 1 Press the DISPLAY button.
 - ➔ The playing track will be highlighted.
- 2 Press the DISPLAY button again to show the elapsed playing time appear at the top of the display.
 - T - indicates Track repeat
 - A - indicates Album (folder) repeat
 - D - indicates Disc repeat
- 3 Press the DISPLAY button again to exit.

Track Selection

- 1 Press the SEARCH MODE/TIME SEARCH button during playback.
 - ➔ The SEARCH menu will appear.
 - ➔ The current track will be highlighted.



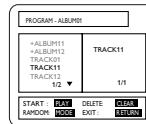
- 2 Press the ▲ or ▼ button to select a desired track.
- 3 Press the PLAY ► button to start playing
- 4 Press the RETURN or SEARCH MODE/TIME SEARCH button to exit.

Random Playback

- 1 Press the MODE button twice during playback is stopped.
- 2 Press the PLAY ► button to play the tracks in random order.

Programmed

- 1 Press the MODE button during playback is stopped.
- 2 Press the PLAY ► button to play the tracks in random order.
- 3 Press the ▲ or ▼ button to select a track, then press the OK button.
- Press the CLEAR button to erase the incorrect input.



- 4 Press the PLAY ► button to start programmed playback.

Audio Language

The DVD/VCR allows you to select a language during DVD disc (if multi language available) playback.

- 1 Press the DVD button, then press the AUDIO button during playback.
- 2 Press the AUDIO button repeatedly to select your desired language.

Stereo Sound Mode

- Press the AUDIO button repeatedly during playback to select between AUDIO STEREO, AUDIO L-CH or AUDIO R-CH.
 - AUDIO STEREO** - both right and left channels are active (stereo)
 - AUDIO L-CH** - only left channel is active
 - AUDIO R-CH** - only right channel is active

Subtitle Language

The DVD/VCR allows you to select a language for subtitle during DVD disc (if available) playback.

- 1 Press the DVD button, then press the SUBTITLE button during playback.
- 2 Press the SUBTITLE button repeatedly to select your desired subtitle language.
➔ The available languages appears on the right of the subtitle display.
- 3 To turn off subtitles, press the ◀ / ▶ or SUBTITLE button repeated until OFF appears.

Camera Angle

Some DVD discs contain scenes which have been shot simultaneously from various angles.

- 1 Press the DVD button, then press the ANGLE button during playback.
- 2 Press the ANGLE button repeatedly to select your desired different angle appears on the right of the angle display.

Changing the On-Screen Display

You can check information about the current disc by pressing the DISPLAY button on the remote control.

- 1 Press the DISPLAY button during playback to show current Chapter.
➔ The elapsed and remaining playing time of the current chapter will be displayed.
- 2 Press the DISPLAY button again to show current Title.
➔ The elapsed and remaining playing time of the current title will be displayed.
- 3 Press the DISPLAY button the third time.
➔ The BIT RATE, layer number (if available) and the current repeat setting will be displayed.
- 4 Press the DISPLAY button the fourth time to remove the display.

- 1 Press the DISPLAY button during playback, the current Track will be displayed on the TV screen.
➔ The elapsed and remaining playing time of the current total track will be displayed.
- 2 Press the DISPLAY button again to show current Total Track.
➔ The elapsed and remaining playing time of the current total track will be displayed.
- 3 Press the DISPLAY button the third time to remove the display.

Parental Control

Password

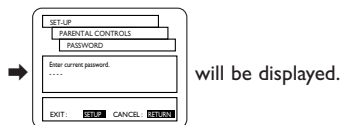
Parental Control limits the disc viewing that exceed your settings with a password or playback will stop.

The "Parental Control" feature allows you to prevent discs from being played by you children or to have certain discs played that alternative scenes.

- 1 Press the DVD button, then press the SETUP button during playback is stopped.



- 2 Press the ▲ or ▼ button to select PARENTAL, then press the OK button.



- 3 Enter your four-digit password.
 - If for the first time, enter any four digits, then press the OK button.
 - To change the password, press the ▲ or ▼ button to select CHANGE. Enter the four-digit password, then press the OK button.
- 4 Press the SETUP button to exit.

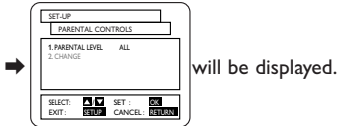
Note:

– If you forget the password, enter 4737 at step 3. Password will be cleared and parental level will be set to ALL.

Parental Level

Parental Level allows you to set the rating level of your DVD discs. Playback will stop if the disc's ratings exceed the level you set.

- 1 Press the DVD button, then press the SETUP button during playback is stopped.
- 2 Press the ▲ or ▼ button to select PARENTAL, then press the OK button.
- 3 Enter your four-digit password.
- 4 Press number 1 button to select PARENTAL LEVEL.



- 5 Press the ▲ or ▼ button to select the desired level.
- 6 Press the SETUP button to exit.

Marker Setup Screen

Use markers to memorise your favourite places on a disc.

- 1 Press the DVD button, then press the SEARCH MODE button three times during playback.
 - ➔ The display screen and Markers will appear on the TV screen.
- 2 Press the ◀ or ▶ button to select 1, 2, 3, 4 or 5 and ensure that "NOT SET" appears in the display.
- 3 When reaches the desired point, press the OK button.
 - ➔ The Title or Track and elapsed playing time will appear in the TV screen.
- 4 To return to the Marker later, press the SEARCH MODE button three times during playback and the ◀ or ▶ button to choose the desired marker, then press the OK button.

Note:

– **Opening the disc tray or turning off the power or select AC at step 2 and press the OK button will erase all Markers.**

Audio Setting

Choose the appropriate Audio settings for your equipment as it only affect during the playback of DVD discs of the DVD/VCR.

- 1 Press the DVD button, then press the SETUP button during playback is stopped.
- 2 Press the ▲ or ▼ button to select AUDIO, then press the OK button.
- 3 Press the ▲ or ▼ button to choose the below items and press the OK button repeatedly to turn the setting ON or OFF.

Dynamic Range Control (DRC):

– To compress the range of sound volume.

Dolby Digital:

– If you connected the DVD/VCR to a stereo with Dolby Digital compatible.

MPEG:

– If you connected the DVD/VCR to an MPEG-compatible stereo.

DOWN SAMPLING:

– Press OK, then ▲ or ▼ to select AUTO, 48kHz or 96kHz. Press OK again to confirm selection.

– Select 96kHz if the disc was recorded in PCM 96kHz, otherwise select 48kHz.

- 4 Press the SETUP button to exit.

Display Setting

You can change certain aspects of the DVD/VCR player's display screens, on-screen messages and the display panel on the front of the DVD/VCR.

- 1 Press the DVD button, then press the SETUP button during playback is stopped.
- 2 Press the ▲ or ▼ button to select DISPLAY, then press the OK button.
- 3 Press the ▲ or ▼ button to select the below items.

TV Aspect:

- Press the ▲ or ▼ button for an item selection, then press the OK button.
- Select 4:3 LETTER BOX for a black bars appears on the top and bottom of the screen.
- Select 4:3 PAN & SCAN for a full height picture with both sides trimmed.
- Select 16:9 WIDE if a wide-screen TV is connected to the DVD/VCR.

Panel Display:

– Press the ▲ or ▼ button to select BRIGHT, DIMMER and AUTO, then press the OK button.

– This adjust the brightness of the display panel with the factory default BRIGHT.

– When AUTO is selected, the display dims only during playback.

Angle Icon:

– Press the OK button repeatedly to turn Angle icon ON or OFF.

– The default setting is ON.

Auto Power Off:

– Press the OK button repeatedly to turn Auto Power ON or OFF.

– The default setting is ON and it will turn the DVD/VCR to off automatically after 35 minutes of no use.

Background:

– Press the OK button repeatedly to select BLUE or GRAY as the background colour for the on-screen menus.

- 4 Press the SETUP button to exit.

TruSurround Setting

You can enjoy improved stereo sound when you play disc in Dolby Digital, PCM 48 kHz or MPEG Audio.

- 1 Press the MODE button during playback.
- 2 Press the OK button repeatedly to select ON or OFF.
- 3 The factory default setting is OFF. Select ON only is you connected the DVD/VCR to a stereo with Dolby Digital or MPEG decoder.

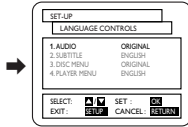
Note:

– *If connection using COAXIAL out, turn off SRS TruSurround, otherwise there will be no sound.*

Language Setting

Language options are not available is all discs.

- 1 Press the DVD button, then press the SETUP button during playback is stopped.
- 2 Press the ▲ or ▼ button to select LAN-
GUAGE, then the OK button to confirm.



will be displayed.

- 3 Press the ▲ or ▼ button to select AUDIO, SUBTITLE, DISC MENU or PLAYER MENU, then the OK button to confirm.
- 4 Press the ▲ or ▼ button to select a setting, then press the OK button.
- If OTHER is selected in the AUDIO, SUBTITLE or DISC MENU screen, press four-digit number to enter the code for the desired language.
- You can only select other languages if its available on the disc.
- 5 Press the SETUP button to exit.

Language	Code	Language	Code	Language	Code	Language	Code	Language	Code
A-B		English[ENG]	5160	Javanese	5669	Oriya	6164	Somali	6561
Abkhazian	4748	Esperanto	5161	Kannada	5760	Oromo (Afan)	6159	Spanish[SPA]	5165
Afar	4747	Estonian	5166	Kashmiri	5765	Panjabi	6247	Sundanese	6567
Afrikaans	4752	F-H		Kazakh	5757	Pashto	6265	Swahili	6569
Albanian	6563	Faroese	5261	Kinyarwanda	6469	Persian	5247	Swedish[SWE]	6568
Amharic	4759	Fiji	5256	Kirghiz	5771	Polish	6258	T	
Arabic	4764	Finnish[FIN]	5255	Kirundi	6460	Portugese[POR]		Tagalog	6658
Armenian	5471	French[FRE]	5264	Korean[KOR]	5761		6266	Tajik	6653
Assamese	4765	Frisian	5271	Kurdish	5767	Pushto	6265	Tamil	6647
Aymara	4771	Gaelic (Scots)	5350	L-N		Quechua	6367	Tatar	6666
Azerbaijani	4772	Galician	5358	Laothian	5861	Rhaeto-Romance		Telugu	6651
Bangla	4860	Georgian	5747	Latin	5847		6459	Thai	6654
Bashkir	4847	German[GER]	5051	Latvian	5868	Romanian[RUM]		Tibetan	4861
Basque	5167	Greek[GRE]	5158	Lettish	5868		6461	Tigrinya	6655
Bengali	4860	Greenlandic	5758	Lingala	5860	Russian[RUS]	6467	Tonga	6661
Bhutani	5072	Guarani	5360	Lithuanian	5866	S		Tsonga	6665
Bihari	4854	Gujarati	5367	Macedonian	5957	Samoan	6559	Turkish[TUR]	6664
Bislama	4855	Hausa	5447	Malagasy	5953	Sangho	6553	Turkmen	6657
Breton	4864	Hebrew	5569	Malay	5965	Sanskrit	6547	Twi	6669
Bulgarian	4853	Hindi	5455	Malayalam	5958	Serbian	6564	U-Z	
Burmese	5971	Hungarian[HUN]		Maltese	5966	Serbo-Croatian		Ukrainian	6757
Byelorussian	4851		5467	Maori	5955		6554	Urdu	6764
C-E		I-K		Marathi	5964	Sesotho	6554	Uzbek	6772
Cambodian	5759	Icelandic[ICE]	5565	Moldavian	5961	Setswana	6660	Vietnamese	6855
Catalan	4947	Indonesian	5560	Mongolian	5960	Shona	6560	Volapuk	6861
Chinese[CHI]	7254	Interlingua	5547	Nauru	6047	Sindhi	6550	Welsh	4971
Corsican	4961	Interlingue	5551	Nepali	6051	Singhalese	6555	Wolof	6961
Croatian	5464	Inupiak	5557	Norwegian[NOR]		Siswat	6565	Xhosa	7054
Czech	4965	Irish[IRI]	5347		6061	Slovak	6557	Yiddish	5655
Danish[DAN]	5047	Italian[ITA]	5566	O-R		Slovenian	6558	Yoruba	7161
Dutch[DUT]	6058	Japanese[JPN]	5647	Occitan	6149			Zulu	7267

Specifications

PLAYBACK SYSTEM

DVD Video
Audio CD
DVD+RW
CD-R/RW

TV STANDARD (PAL/50Hz) (NTSC/60Hz)

Number of lines	625	525
Playback	Multistandard	(PAL/NTSC)

VIDEO PERFORMANCE

Video output	1 Vpp into 75 ohm
RGB (SCART) output	0.7 Vpp into 75 ohm
Video Shift	Left/Right

VIDEO CASSETTE RECORDER

Video heads	Four heads - Hi-Fi
Antenna	VHF/UHF - 75 ohm
VHF output	75 ohm unbalanced

AUDIO FORMAT

Digital	MPEG	Compressed
		Digital
	Dolby Digital	16, 20, 24 bits
	PCM	fs, 44.1, 48, 96 kHz

Analogue Stereo Sound

Dolby Surround-compatible downmix from Dolby Digital multi-channel sound

3D Sound for virtual 5.1 channel sound on 2 speakers

AUDIO PERFORMANCE

DA Converter	24 bits
DVD	fs 96 kHz 4 Hz - 44 kHz
	fs 48 kHz 4 Hz - 22 kHz
CD	fs 44.1 kHz 20 Hz - 20 kHz
Signal-Noise (1kHz)	110 dB
Dynamic Range (1kHz)	94 dB
Distortion and Noise (1kHz)	0.007 %

CONNECTIONS

SCART	2x Euroconnector
S-Video Output	Mini DIN, 4 pins
Audio L+R output	2x Cinch (white/red)
Digital Output	1 coaxial, 1 optical
	IEC958 for CDDA / LPCM
	IEC1937 for MPEG1/2, Dolby Digital

CABINET

Dimensions (w x h x d)	435 x 99 x 266 mm
Weight	Approximately 4.0 Kg

POWER SUPPLY (UNIVERSAL)

Power inlet	230 V ~, 50 Hz
Power usage	Approx. 30 W (standby : 7.8 W)
Power usage standby	< 8.5 W

Specifications subject to change without prior notice

Maintenance

Cleaning the Cabinet

- Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasives.

Cleaning Discs

- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the centre out. Do not wipe in a circular motion.
- Do not use solvents such as benzene, thinner, commercially available cleaners, or antistatic spray intended for analogue records.

Cleaning the disc lens

- After prolonged use, dirt or dust may accumulate at the disc lens. To ensure good playback quality, clean the disc lens with Philips CD Lens Cleaner or any commercially available cleaner. Follow the instructions supplied with the cleaner.

WARNING

Under no circumstances should you try to repair the system yourself, as this will invalidate the warranty. Do not open the system as there is a risk of electric shock.

If a fault occurs, first check the points listed below before taking the system for repair.

Problem	Solution
No power	<ul style="list-style-type: none"> – Check if the AC power cord is properly connected.
No picture	<ul style="list-style-type: none"> – Check if the TV is switched on. – Check the video connection.
Distorted picture	<ul style="list-style-type: none"> – Sometimes a small amount of picture distortion may appear. This is not a malfunction.
Completely distorted picture or black/white picture with DVD	<ul style="list-style-type: none"> – Connect DVD/VCR directly to the TV. – Make sure the disc is compatible with the DVD/VCR.
No sound or distorted sound	<ul style="list-style-type: none"> – Adjust the volume. – Check that the speakers are connected correctly.
No audio at digital output	<ul style="list-style-type: none"> – Check the digital connections. – Check if the audio format of the selected audio language matches your receiver capabilities.
No DTS audio at analog output	<ul style="list-style-type: none"> – Use a DIGITAL AUDIO OUT jack when outputting the DTS audio.
No sound and picture	<ul style="list-style-type: none"> – Check that the SCART cable is connected to the correct device (See Connecting to a TV)
Picture freezes momentarily during playback	<ul style="list-style-type: none"> – Check the disc for fingerprints/scratches and clean with a soft cloth wiping from centre edge. – This may happen when you use the disc recorded in the non-seamless manner. This is not a malfunction.
Disc can't be played	<ul style="list-style-type: none"> – Ensure the disc label is facing up. – Check if the disc is defective by trying another disc.
No return to start-up screen when disc is removed	<ul style="list-style-type: none"> – Reset the unit by switching the player off, then on again.
The player does not respond to the remote control	<ul style="list-style-type: none"> – Aim the remote control directly at the sensor on the front of the player. – Reduce the distance to the player. – Replace the batteries in the remote control. – Re-insert the batteries with their polarities (+/- signs) as indicated.
Buttons do not work or player stops responding	<ul style="list-style-type: none"> – To completely reset the player, unplug the AC cord from the AC outlet for 5-10 seconds.
Player does not respond to some operating commands during playback.	<ul style="list-style-type: none"> – Operations may not be permitted by the disc. Refer to the instructions of the disc.
DVD/VCR cannot read CDs/DVDs	<ul style="list-style-type: none"> – Use a commonly available cleaning CD/DVD to clean the lens before sending the DVD/VCR for repair.

Troubleshooting

Problem	Solution
The DVD/VCR switches from DVD mode to VCR mode after 35 minutes	<ul style="list-style-type: none">– Playback will stop for more than 35 minutes and no button is pressed.
The VCR do not record a TV program	<ul style="list-style-type: none">– Make sure the tape has a record tab.– Make sure the DVD/VCR is in VCR position.– Check the TV and the DVD/VCR channel are similar.
The DVD/VCR do not perform a timer	<ul style="list-style-type: none">– Make sure the recording start and stop times are set correctly.– Make sure the tape has a record tab.– Make sure the clock is set.– The DVD/VCR may not perform or continue a timer recording if the power fails for more than 30 minutes.
The motor (cylinder) rotates even when tape playback is stopped	<ul style="list-style-type: none">– To enable quick play mechanism, the cylinder will rotate for about five minutes. This is normal.
You cannot insert a tape	<ul style="list-style-type: none">– Insert a tape, window side up with the record tab facing you.– Gently push on the center of the tape when putting into the DVD/VCR.
You cannot remove a tape	<ul style="list-style-type: none">– Make sure the power plug is completely connected to a power outlet.
DVD/VCR ejects the tape when you press the REC or TIMER button for a timer recording.	<ul style="list-style-type: none">– Make sure the tape has a record tab.

If you are unable to remedy a problem by following these hints, consult your dealer or service centre (HOTLINE).

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