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VCR and DVD modes

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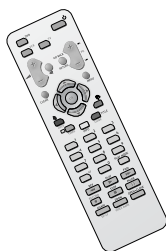
Connections and Setup

Some points to check before you connect your TV set

- Ensure that the mains supply in your house complies with that indicated on the identification sticker located on the back of your appliance.
- Install your appliance horizontally, away from any source of heat (fireplace) or appliances generating strong magnetic or electric fields. The components of this appliance are sensitive to heat. The maximum ambient temperature should not exceed 35° Celsius.
- Leave sufficient space around the appliance to allow adequate ventilation: 10 cm on either side and at the back, as well as 7 cm above it are ideal.
- The humidity of the room should not exceed 75%. If you have to use the appliance outdoors, do not expose it to rain or splashing water. The appliance should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on top of it.
- Moving it from a cold environment to a warm one is likely to cause condensation on some components inside the appliance. Let the condensation disappear of its own accord before turning the appliance on again.
- Before moving the player, make sure the disc tray is empty.

Other important information about using and cleaning your appliance is available at the end of the booklet.

Accessories provided



Remote control



Coaxial cable



2 non-rechargeable batteries, type AAA

Notes

DVD copy protection

In accordance with the DVD standard, your DVD player is equipped with a Copy Protection system, which can be switched on and off by the DVD disc itself, in order to make any recording of the relevant DVD disc onto a videotape of very poor picture quality, or even impossible. "This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home use only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited."

Caution!

Invisible laser radiation when open. Avoid exposure to beam. Class I laser product. This appliance must only be opened by a qualified engineer to prevent accidents caused by the laser beam.

 HELPLINE THOMSON

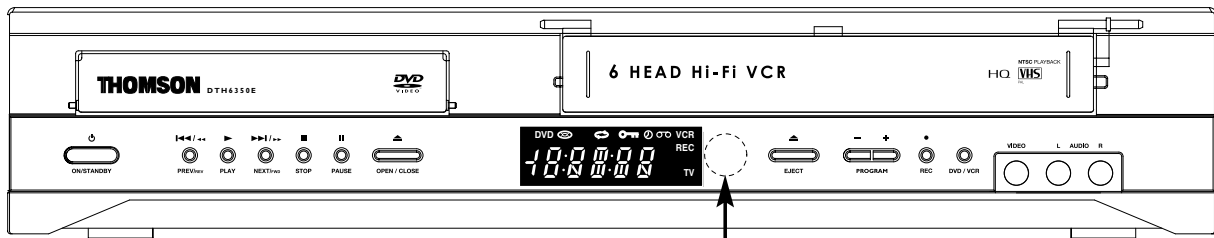
You can contact THOMSON by dialling: **0871 712 1312**
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In the interest of improving the quality of our products, we reserve the right to modify their features. The information in this manual is, therefore, subject to change and does not represent any kind of contract.

Connections and Setup

Front panel controls (buttons appearing left to right below)



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Remote sensor
Point the remote control here.

ON/STANDBY - To switch the appliance on and off.

PREV/REV - To skip to the previous chapter or track; to start fast reverse search; to rewind the tape.

PLAY - To start playing a disc or a cassette.

NEXT/FWD - To skip to the next chapter or track; to start fast forward search; to wind the tape.

STOP - To stop disc or cassette playback.

PAUSE - To pause playback; frame advance.

OPEN/CLOSE - To open and close the DVD player's disc tray.

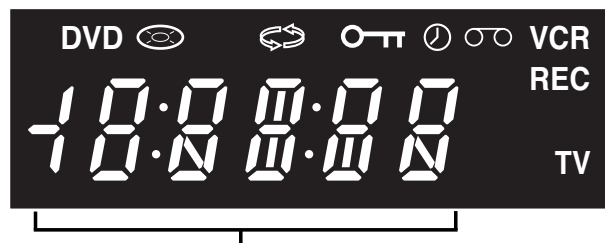
EJECT - To eject the cassette from the video recorder.

PROGRAM +/- - To change channel in VCR mode.

REC - To start recording in VCR mode.

DVD/VCR - To change from DVD mode to VCR mode and vice versa.

Front panel display



Indicates total playing time/elapsed time/current time.

DVD Appears when the appliance is in DVD mode.

Appears when a disc is loaded.

Appears when the appliance is in repeat mode.

Indicates that the child lock is On.

Indicates that a recording is programmed or a timer recording is in progress.

Appears when a tape is inserted in the video recorder.

VCR Appears when the appliance is in VCR mode.

REC Appears when a recording is in progress.

TV Appears in TV mode.

Connections and Setup

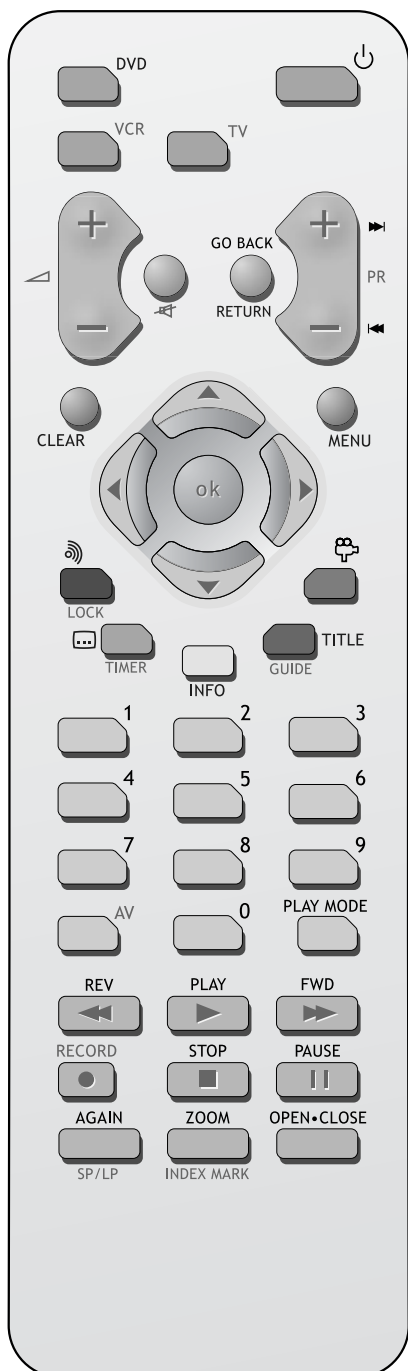
The remote control

Navigating through menus






Use the direction buttons to navigate through the menus. Press the **OK** button on the remote control to confirm any selection you make.





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General functions

-  To switch the appliance on and off.
- DVD** To select the DVD player.
- VCR** To select the video recorder.
-  To adjust the sound volume of the television set.
-  (mute) To mute and restore the sound of the television set.
- LOCK** (red) To lock the appliance. Press again **LOCK** to unlock the appliance.
- 0-9** Number input.
- PLAY** To start playing a disc or a tape.

Functions in DVD mode

- GO BACK** To return to the previous menu.
-  To skip to the next or previous chapter or track.
- CLEAR** To remove a track from a program list. To cancel the zoom function.
- MENU** To access and hide the disc menu during play. To display the player's main menu (see page 27).
-  (red) To access the audio function in the **Info** menu (see page 22).
-  (green) To access the subtitle function in the **Info** menu (see page 23).
- INFO** (yellow) To access the **Info** menu (see page 21).
- TITLE** (blue) To switch between music and photo menus (see page 25).
-  (purple) To access the camera angle function in the **Info** menu (see page 23).
- PLAY MODE** To access the play mode function (see pages 20 and 24).
- REV** To start fast reverse, reverse accelerated play or reverse slow motion (see page 19).
- FWD** To start fast forward, forward accelerated play or forward slow motion (see page 19).
- STOP** To stop play, accelerated search or slow motion.
- PAUSE** To activate freeze frame, frame advance or slow motion (see page 19).
- AGAIN** To move backwards approximately 10 seconds during disc playback (DVD) (see page 19).
- ZOOM** To access the Zoom function (see page 19).
- OPEN•CLOSE** To open and close the disc tray.




Functions in VCR mode

PR+ / PR-	To change channel.
CLEAR	To set the counter to zero.
i	To access the VCR main menu. To exit a menu.
0-9	To select a channel.
AV	To select the devices connected to the Audio/Video sockets (AV1, ...).
PLAY MODE	To watch one TV channel whilst recording another one.
REV	To start fast reverse, reverse accelerated play (see page 12).
FWD	To start fast forward, forward accelerated play (see page 12).
STOP	To stop play, accelerated search, slow motion or recording.
PAUSE	To activate freeze frame, frame advance (see page 12).
RECORD	To start recording (see page 13).
SP/LP	To double the recording time of a tape with the LP function (see page 13).
OPEN-CLOSE	To eject the tape.

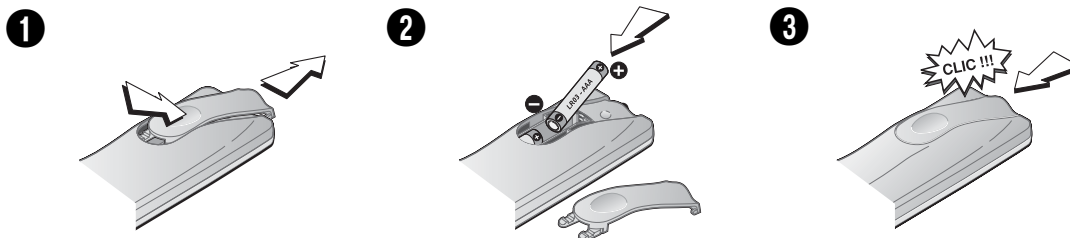
Functions in TV mode

This remote control can be used with some recent TV set models from the following brands: Thomson, Saba, Brandt, Ferguson, Telefunken and Nordmende.

Note: The buttons described below operate as specified, provided that the relevant function is available on the television.

TV	To select the television.
	To adjust the sound volume.
 (mute)	To mute and restore the sound.
PR+ / PR-	To change channel.
GO BACK	To return to the channel watched before last.
CLEAR	To exit a menu.
MENU	To access the television's main menu.
	To use the Zoom function (with a 16/9 television only).
INFO (yellow)	To obtain information about the channel.
GUIDE (blue)	To display the programme guide.
<i>Note: The coloured buttons can also be used to access the Teletext topics indicated in colour (if your television has the Teletext function available).</i>	
0-9	Select a channel. For 2-digit channels, first press 0 .

Inserting batteries in the remote control

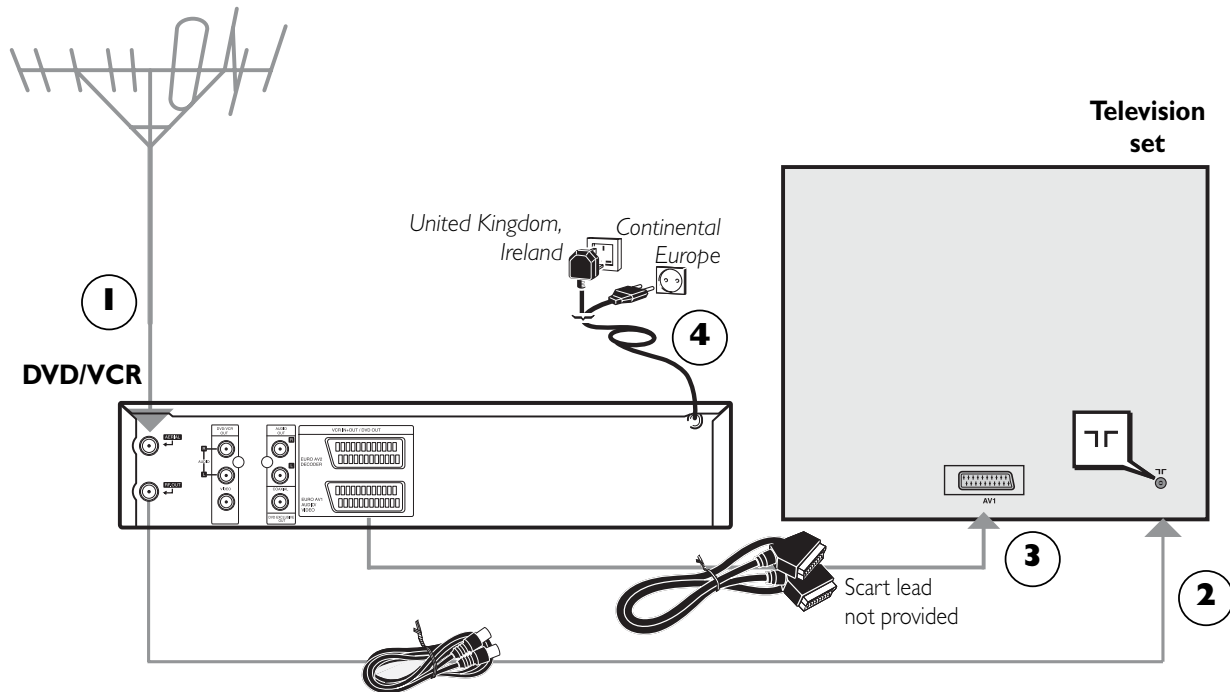


- Do not mix different types of batteries or new and old batteries. Do not use rechargeable batteries.
- In order to avoid any risk of explosion, observe the polarities indicated inside the battery compartment. Replace only with the type of batteries specified above. Do not dispose of them in a fire or recharge them.
- If you are not using the remote control for a long period of time, remove the batteries.



- Please respect the environment and prevailing regulations. Before you dispose of batteries or accumulators, ask your dealer whether they are subject to special recycling and if they will accept them for disposal.

Connections and Setup



Basic connections (DVD/VCR + TV)

1. Disconnect the aerial cable from your television set and reconnect it to the **AERIAL** socket of the DVD/VCR.
2. Using the coaxial cable supplied, connect the **RF OUT** socket of the DVD/VCR to the aerial socket of the television set.
3. A Scart lead connection between the appliance and your television set makes it easier to use and improves picture and sound quality. Connect the DVD/VCR's Scart socket (**EURO AVI AUDIO/VIDEO**) to the television set's Scart socket (**AVI, EXTI, AUXI**, according to the make) using the Scart lead (not provided).
4. Connect the DVD/VCR to the mains socket using the mains lead.

Basic connections (DVD/VCR + TV + satellite or cable receiver)

1. Connect the DVD/VCR to the television set as described above.
2. Connect the satellite or cable receiver scart socket to the DVD/VCR's second Scart socket (**EURO AV2 DECODER**) using a Scart lead (not provided).
3. Connect the DVD/VCR to the mains socket using the mains lead.

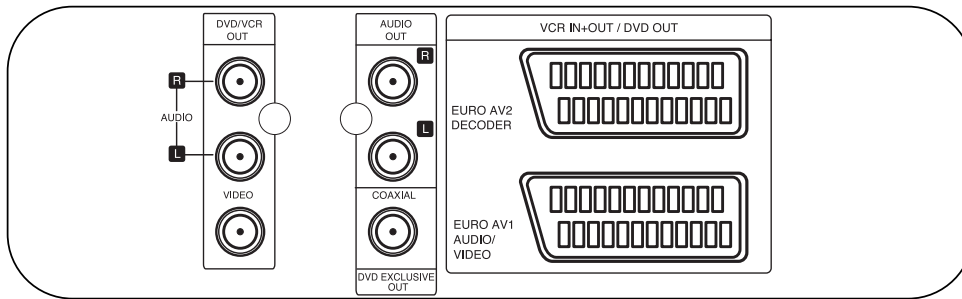
Note: If one of the devices is not working, check that all the cables have been inserted properly into the sockets which they should be connected to.

Other connection options

The basic connections (described above) are for standard-quality sound and high-quality picture reproduction. There are other connection options available, which can produce pictures and sound of better or poorer quality:

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Connections and Setup



Back of DVD/VCR

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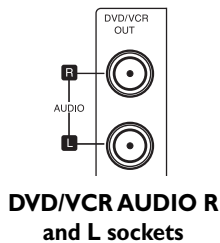
Back panel audio sockets

DVD/VCR AUDIO OUT L (left) and R (right) sockets - DVD EXCLUSIVE AUDIO OUT L (left) and R (right) sockets

These are analogue audio output sockets. The AUDIO L socket and cable are white, while the AUDIO R socket and cable are red. Connect the DVD/VCR AUDIO L and R sockets to the television set's AUDIO L and R sockets using audio cables (not supplied).

Note: If your television set only has one audio socket connect it to the DVD player's left socket (white).

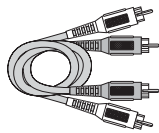
The DVD exclusive sockets are dedicated to the DVD player and offer a higher level of sound quality than the DVD/VCR ones.



DVD/VCR AUDIO R and L sockets



DVD EXCLUSIVE AUDIO R and L sockets



Audio cables (red and white)



Coaxial cable



Coaxial digital audio output

Coaxial digital audio output (COAXIAL)

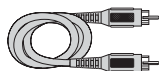
This socket offers a higher level of sound quality compared to that provided using an analogue audio connection. Use this socket to connect your DVD Player to an amplifier equipped with two-channel digital stereo (PCM) or to an Audio/Video receiver equipped with a multi-channel decoder (Dolby Digital, MPEG 2 or DTS) using a digital coaxial cable (not supplied).

Back panel video sockets

DVD/VCR VIDEO OUT socket

This socket (yellow) is also known as a composite video socket. The video cable (not supplied) usually comes with two audio cables (red and white). The picture quality obtained using a video connection is poorer compared to that obtained using a Scart connection.

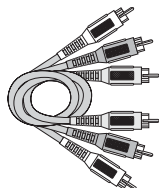
Note: Remember to connect the audio cables because the video cable carries only the picture signal, not the sound.



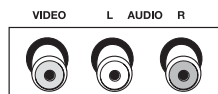
Video cable



DVD/VCR VIDEO OUT socket



Audio/video cable



VIDEO IN and AUDIO IN L and R sockets

Front panel audio and video sockets

Connect your camcorder to the AUDIO L (left), AUDIO R (right) and VIDEO sockets located at the front of the DVD/VCR using an audio/video cable (not supplied).

Connections and Setup



Tuning in a video channel on your TV

If your television is not fitted with a Scart socket, you were unable to connect it to the AV1 socket of the DVD/VCR using a Scart cable as shown on page 6, step 3. In this case, you must make below settings before you start the automatic channel set-up (page 9).

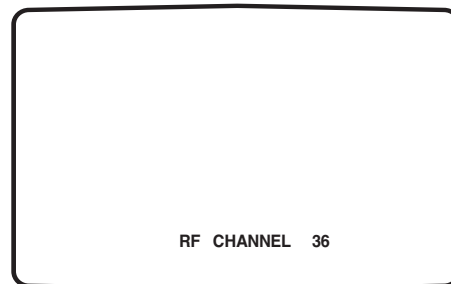
The output frequency of this appliance is set at UHF channel 36.


If channel 36 is already used by another TV channel, or if the picture is distorted, you can change the transmitter channel of your VCR. Stages 7 to 13 will show you how to change the output frequency of your DVD/VCR.

Make sure that you have correctly installed the appliance as described earlier in this book.

1. Turn on your TV.
2. Press  to turn on the appliance and then press the **VCR** button on the remote control.
3. Insert a pre-recorded video tape into the VCR and press **PLAY** on the remote control.
4. Select a TV channel number on which you wish to watch videos.
Don't worry if you don't have a video tape to play at this stage! If you switch the appliance on and continue stages 5 ~ 6, instead of seeing video playback tune your TV until you see a bright blue screen.
5. Tune this channel until the video picture is sharp and the sound is clear.
6. Store this channel on your TV.
You will need to look at the TV instruction book if you do not know how to do this.
Note: Only carry out stages 7 to 13 if you cannot obtain clear video playback as described in stages 1 to 6.
7. Select a TV channel number on which you wish to watch videos. Make sure that the DVD/VCR is in standby by pressing  on the remote control.
8. Press **PROGRAM -** or **PROGRAM +** on the front of the appliance for more than 4 seconds.

RF36 will appear on the front display. The picture below will be displayed on the TV screen.




9. Press **PROGRAM -** or **PROGRAM +** to select another video channel. You may select any channel number between 22 and 68.
10. Select a TV channel number on which you wish to watch videos.
11. Tune this channel so that a bright blue screen appears.
12. Store this channel on your TV.
13. Press  on the front of your appliance when you have finished.



Make sure that you have correctly installed the appliance and successfully tuned in a dedicated video channel on your TV. If you do not tune in a dedicated video channel on your TV you will be unable to view and record video tapes!

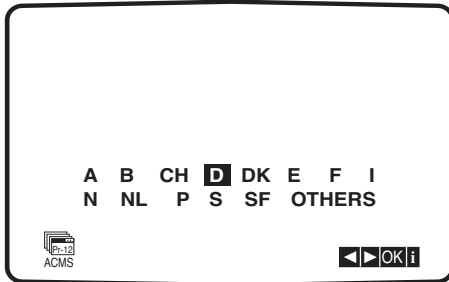
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Tuning in TV channels

The first time you use the DVD/VCR, you will see the ACMS (Automatic Channel Memory System) displayed on the screen. This system automatically tunes and stores TV channels. If you want to return to ACMS after your initial set-up, access it via the menu (**ACMS** ).

Automatic channel search

1. Switch the television set on.
2. Press the  button to turn the appliance on and then press the **VCR** button on the remote control.
3. Select the AV channel on the television set. The **ACMS** menu screen appears.
4. Press **OK** to start the automatic tuning process.
5. When the automatic channel search is completed a screen showing all the channels that have been found and the positions they have been placed in is displayed.
6. The automatic channel set-up assigns the numbers to the channels in a predefined order. These numbers may therefore not match the actual channel numbers. Should this be the case, change these numbers by carrying out the instructions below (see "Sorting the channels").
7. Press  to store the settings.

















Use the  and  buttons on the remote control to select a country code:








A: Austria, **B:** Belgium, **CH:** Switzerland,
D: Germany, **DK:** Denmark, **E:** Spain,
F: France, **I:** Italy, **N:** Norway,
NL: Netherlands, **P:** Portugal, **S:** Sweden,
SF: Finland, **OTHERS.**

Sorting the channels

For easy channel identification, we suggest that you have a TV magazine at hand.

1. Press the **VCR** button. Press  to access the main menu. Use the  and  buttons to select **PR SET**  then press **OK**.
2. Press  again.
3. To move a channel, use the  and  buttons to select the programme number that you wish to move. Then press . Press  and  until you reach the position you wish to store the channel in. Press **OK**. The channel will move to the new position.
4. To delete a channel, use the  and  buttons to select the channel number you wish to delete and press . After a short while the selected channel will be deleted. The remaining channels are resorted automatically.
5. Press  to leave the menu. To move or delete other channels, repeat the above process.

01	C02	00	PR-01
02	C03	00	PR-02
03	C04	00	PR-03
04	C05	00	PR-04
05	C06	00	PR-05
06	C07	00	PR-06
07	C08	00	PR-07
08	C09	00	PR-08

 MOVE: 
 DELETE: , , , , 

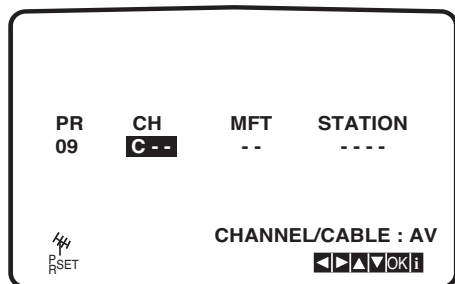
Connections and Setup

Manual installation

To complete the set-up of your video recorder when the automatic channel set-up has not stored all the channels or when you wish to store a new channel.

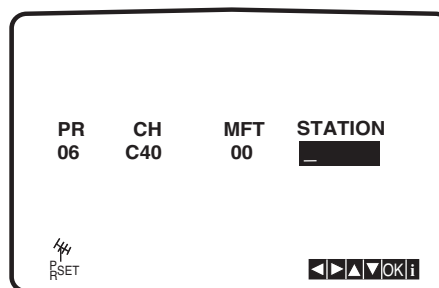
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1. Turn on your television and your DVD/VCR. Select the AV channel on your television, press the **VCR** button and then press **i** to access the main menu.
2. Press the **◀** and **▶** buttons to select **PR SET** then press **OK**.
3. Press **i** again and the television channel table appears.
4. Use the **▲** and **▼** buttons to select the programme number you want to tune, then press **OK**.
5. Press the **AV** key to select **C** (for channels received via your roof aerial) or **S** (for cable network channels).



6. Press **OK**, and then use the **▲** and **▼** buttons to search for the channel of a programme.
7. The station can be fine tuned to improve picture quality. Select **MFT** (Manual Fine Tuning) using the **◀** and **▶** buttons. Use the **▲** and **▼** buttons to adjust the picture.
8. Select **STATION** by pressing the **▶** button. You can then name your station.

9. Press **OK**. A flashing bar appears beneath the first letter.



10. Use the **▲** and **▼** buttons to select letters and numbers for the new channel name up to a maximum of 5. Press the **◀** and **▶** buttons to pass on to the previous or next character. Press **OK**.
11. Press **i** to confirm.
12. Press **i** again to remove the menu.
13. The new channel is now stored into your video recorder.

If you wish to install manually other channels you should repeat the above procedure.

To sort the new channel, see “Sorting the channels” on page 9.

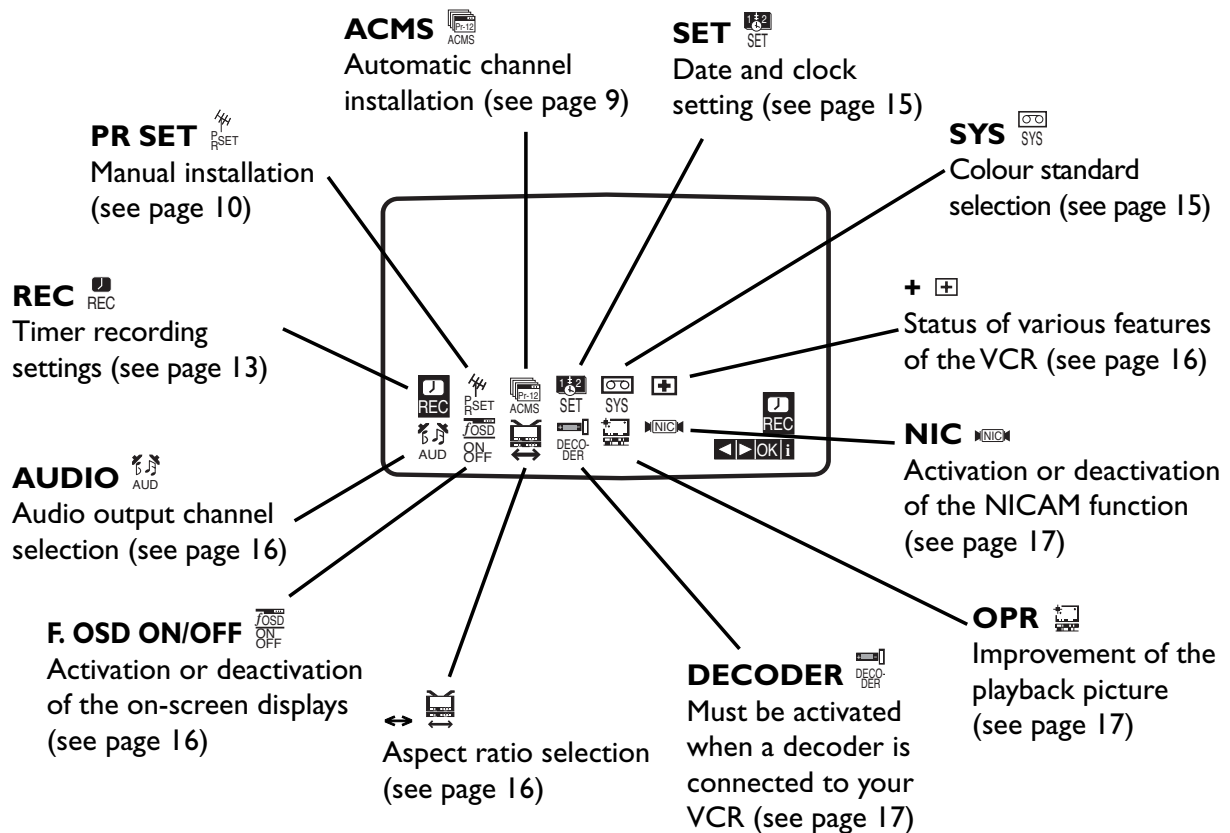
Note: If it is necessary for you to tune all the channels manually you may find it easier if you write the CH numbers down for each channel as you find them. You can then select each channel from the main menu and type the CH numbers in directly. Each channel will then be in the correct position so there is no need to sort them later.

Basic playback operations

Description of the VCR main menu

1. Turn on your television and your DVD/VCR. Select the AV channel on your television, press the **VCR** button and then press **⏏** to access the main menu.
2. The VCR main menu includes the options below.
3. Use the direction buttons **◀** and **▶** to select an option. Press **OK** to confirm your selection and use the **▲** and **▼** buttons to select an option within the menu.
4. Press **⏏** to leave the menu.

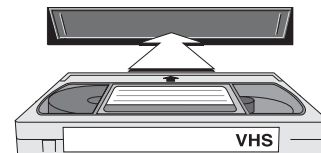
EN
VCR



Playback

Load a tape and press **PLAY**.

Note: Check that the window on one side of the tape is facing upwards. The label should be facing you with the arrow next to the window pointing towards the appliance.



Stopping playback

Press the **STOP** button on the remote control to stop playback.

Basic playback operations

Accelerated play

While a video tape is playing you can search the tape forward and backward to look for a specific position on the tape.

Press **REV** or **FWD** to make the tape play rapidly backwards or forwards. The picture will be shown at seven times normal play speed.

Fast Forward / Rewind

Press **STOP** then press either **REV** for rewind or **FWD** for fast forward.

Whilst you are rewinding or fast forwarding you can view the section you are passing. Press and hold (for a few seconds) either **REV** or **FWD**. Releasing the button will return the video recorder to normal rewind or fast forward operation.

Variable playback

Use the **<** and **>** buttons to adjust playback speed during playback or for freeze frame.

Below is a list of available speeds:

- <** x 1 = slow motion
- <** x 2 = freeze frame
- <** x 3 = reverse playback
- <** x 4 = reverse playback 5x speed
- <** x 5 = reverse playback 7x speed
- >** x 1 = playback 2x speed
- >** x 2 = playback 7x speed.

To resume normal playback, press **PLAY**.

Note: During slow motion, noise bars may appear on the picture according to the status of tape.

Still image

Press the **PAUSE** button for freeze frame. This picture may display some interference in the form of black and white horizontal lines. This is perfectly normal and does not mean that the video tape is damaged.

Note: Freeze frame cannot exceed five minutes. After five minutes, the video recorder automatically stops.

Frame Advance

1. Press **PAUSE** repeatedly to advance forward image by image.
2. Press **PLAY** to return to playback.

Ejecting the tape

Press **OPEN-CLOSE** on the remote control or **EJECT** on the front panel to eject the tape.

Note: If the end of the tape is reached, the video recorder automatically stops, rewinds, ejects the tape and goes into standby mode.

Recording options

Recording from an AV socket

If you wish to record from the AV2 socket located on the back panel of the DVD/VCR or from the AV3 sockets located on the front panel, press the **AV** button to select the appropriate audio/video mode (AV2 or AV3).

SP (Standard Play) / LP (Long Play)

The video recorder includes the Long Play (LP) feature. This means you can record twice the amount of information on each recordable video tape. For example on a three hour (E180) tape you can record six hours worth of programmes. Press the **SP/LP** button to switch from SP to LP. Depending on your selection, **SP** or **LP** is displayed on your television screen.

Instant Recording

1. Turn the DVD/VCR and television on. Insert a video tape into the video recorder. Select the AV channel on your television.
2. Press the **VCR** button and use the **PR+/-** button to select the programme you wish to record. The currently selected programme are displayed on screen. You can also select the programme number using the remote control number buttons.
3. Press the **SP/LP** button to select the recording speed (SP or LP).
4. Press the **RECORD** button to start recording. **REC SP** or **REC LP** appears on the television screen and **REC** is displayed on the front display.

The video recorder starts recording until the end of the tape is reached or it is manually stopped.

Instant Timer Recording

1. To set the length of time you want to record for, press the **RECORD** button twice. The television screen shows **0H30**.
2. Press the **RECORD** button again to increase the recording time by another thirty minutes to a maximum of nine hours.

If you press **PAUSE** during instant recording, the video recorder switches to record pause mode and the set period of time is cancelled.

1. Press **PAUSE** to interrupt recording.
2. Press **PAUSE** again to resume recording.

Notes:

Tapes can be paused for up to five minutes. **REC PAUSE** will be displayed on the television screen while a tape is paused. After five minutes the video recorder automatically goes into **STOP** mode.

To view one channel whilst recording another, press the **PLAY MODE** button. **TV** appears on the front display. Then switch to the channel you want to watch using the remote control.

Ending a recording


Press the **STOP** button.

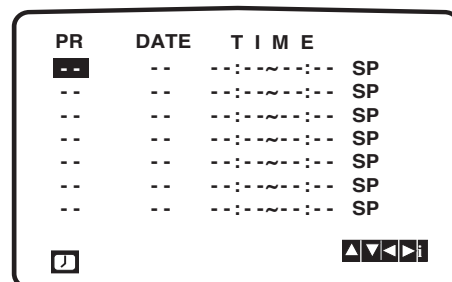
Note: When the end of the tape is reached the VCR automatically stops recording, rewinds, stops, ejects the tape and goes into standby mode.

Programming a recording

Programming a recording can be done up to one month in advance with up to seven recordings being pre-programmed. Ensure the television channels have been tuned and stored correctly and that the clock is set to the correct time.

Insert a video tape.

1. Press the **VCR** button and then **i** to access the main menu.
2. Use **<** and **>** to select **REC** .
3. Press **OK**. Press **OK** again to enter the timer recording menu.

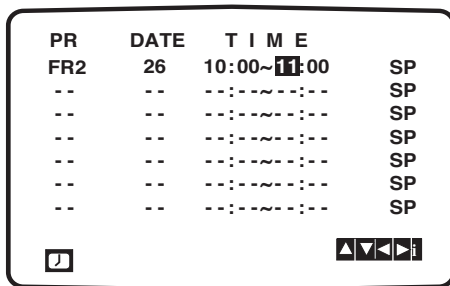


4. To enter the programme number that you wish to record, scroll through the available options using the **▲** and **▼** buttons.

Recording

Note: If you wish to record from one of the AV sockets, press the **▼** button until the appropriate AV input is selected.

5. Press **▶** and enter the date of the programme you want to record. If you want to record a programme on a regular basis, press **OK** before entering a date in order to choose one of the available options: **DLY** (daily recording from Monday to Friday), or weekly recording (e.g. **MO** for Monday) to record at the same time every week. Press **◀** and **▶** to select one option, then press **OK** to confirm.
6. Use the **▲** and **▼** buttons to enter the time of the start and end time of the programme you wish to record.



7. Press **▶** to select the recording speed. Use the **▲** and **▼** buttons to scroll options: Standard Play (**SP**), Intelligent Play (**IP**) and Long Play (**LP**).


Note: The IP feature adjusts the recording speed to the quantity of video tape left. It switches speed from SP to LP if there is not enough tape left to record the whole programme in SP mode.

8. Check that the timer recording details are correct, and press **▶** to save your settings. If **PLEASE CHECK** is displayed you have entered incorrect information. Check the details on the television screen and reenter it. If you want to enter more timer recordings, repeat the above process from step 3.
9. Press **▶** to remove the menu.
10. Put the DVD/VCR in standby mode by pressing the **⏻** button on the remote control.

⌚ appears on the front display. The video recorder is now ready to record at the time you have specified.

Note: To watch a DVD during timer recording standby mode, press **⏻** and then the **DVD** button to switch to DVD mode.

Changing or deleting timer events

1. Press **▶** to access the main menu.
2. Use **◀** and **▶** to select **REC** .
3. Press **OK**.
4. Press **▲** and **▼** to select the timer slot that you wish to change.
5. Press **◀** to delete an entry.
6. Press **OK** to edit that entry. Use the **◀** and **▶** buttons to select the section you wish to change and the **▲** and **▼** buttons to change those sections.
7. Press **▶** to save your settings.
8. Press again **▶** to remove the menu.
9. Put the DVD/VCR in standby mode by pressing the **⏻** button on the remote control.

⌚ appears on the front display. The video recorder is now ready to record at the time you have specified.

Note: If timer events overlap, the earlier programme will be given priority.

Copying from DVD to VCR

This unit allows you to copy the contents of a DVD to a video tape using the **REC** button.

Note: If the DVD you are attempting to copy is copy protected, you may not be able to copy the disc.

1. Insert the disc you wish to copy in the DVD player and close the disc tray.
2. Insert a blank videotape into the VCR.
3. Press the **RECORD** button on the remote control or the **REC** button on the front panel. The DVD player goes into Play mode and the VCR goes into Record mode.

Notes:

*If the DVD disc menu appears, you may need to press the **PLAY** button to begin copying.*

If you copy from DVD to VCR, make sure that the DVD/VCR is in DVD mode.

4. When playback is completed, press **STOP** to end the recording.

Note: You must stop the copying process manually when the disc playback is completed, or the unit may replay and record over and over again.

Language selection

To change the language of the VCR menus, please refer to the **Language** menu of the DVD player on page 27.


Auto tracking

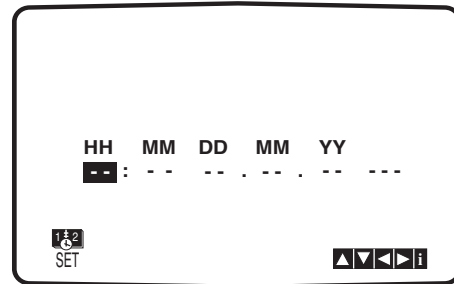
The video recorder automatically adjusts the tracking to provide the best picture quality. The message **ATR** is displayed when this function is in operation.

If the quality of the recording is poor, repeatedly press the **▲** and **▼** buttons on the remote control to manually adjust the tracking until all distortions have been removed. Press the **0** button on the remote control to restore the standard setting.

Setting the clock

The video recorder uses a 24-hour clock.

1. Press **⏸** to access the main menu. Use the **◀** and **▶** buttons to select **SET**  then press **OK**.




2. Use the **▲** and **▼** buttons on the remote control to enter the **HH** (hours), **MM** (minutes), **DD** (day), **MM** (month) and **YY** (year). The day of the week is automatically displayed once the date has been entered. If you make a mistake, use **◀** and **▶** to select the item and re-enter the details.
3. When you are finished, press **⏸** to store your settings. The new time is displayed on the front display.

Colour standards

The video recorder comes with an automatic colour standard detection system. When playing a tape causes problems (scrambled pictures or black and white), you must force the play mode by selecting one of the available options (AUTO, PAL, MESECAM).

If you wish to record a tape in a particular colour standard, choose one of the displayed options.

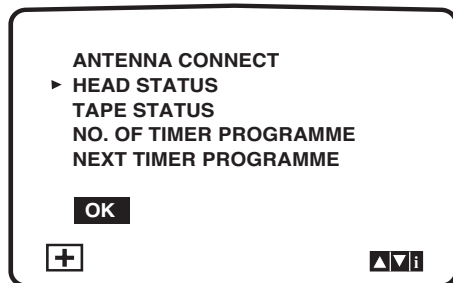
1. Press **⏸** to access the main menu.
2. Use **◀** and **▶** to select **SYS**  then press **OK**.
3. Use **▲** and **▼** to select a colour system.
4. Press **▶** to select **RF AUDIO**.
5. Use **▲** and **▼** to select **I/I**, **B/G** or **D/K**.
6. Press **⏸** to exit the menus.

Advanced functions

Video Doctor

The video doctor will show the status of various features of the video recorder.

1. Press **i** to access the main menu.
2. Select **+⊞** with the **◀** and **▶** buttons.
3. Press **OK**.
4. Use the **▲** and **▼** buttons to check the following features:



ANTENNA CONNECT: Checks the antenna connection.

HEAD STATUS

PLEASE CLEAN: The tape heads need cleaning.

TAPE STATUS

NOT RECORDABLE: The protection tab of the tape loaded in the video recorder is broken; insert a tape suitable for recording.


NO. OF TIMER PROGRAMME: Shows the number of timer recordings programmed.

NEXT TIMER PROGRAMME: Shows the date and time of the next recording.

5. Press **i** to remove the menu from the television screen.

Sound settings

The video recorder can record and play back stereo sound. You can select the way sound is played back.

1. Press **i** to access the main menu.
2. Select **AUD**  with the **◀** and **▶** buttons.
3. Press **OK**.
4. Use the **▲** and **▼** buttons to choose between: **STEREO/MAIN**, **STEREO/SUB** or **MONO/MAIN** in TV mode and **STEREO, LEFT, RIGHT** or **MONO** in

playback mode.

5. Press **i** to exit the menu.


On screen display (OSD)

This function is used to display the current time, tape counter, tape remaining, date, day of week, channel and operational mode of your video recorder on your television screen.

Note: If a recording is taking place, the on screen displays will not be recorded onto tape.


1. Press **INFO** to show the OSD.
2. Press **INFO** repeatedly to scroll the various display options. The tape counter and amount of tape left will appear only if a tape is loaded.
3. After 3 seconds most parameters are cleared leaving only the clock or the tape counter and the amount of tape left on the television screen.
4. Press **INFO** again to remove all OSD's from the television screen.

To turn off the on screen displays completely:


1. Press **i** to enter the main menu.
2. Select **fOSD ON OFF**  using the **◀** and **▶** buttons and then press **OK**.
3. Select **OFF** using the **▲** and **▼** buttons. Press **i** to save the setting.

Format

For 16:9 screen playback the video recorder must be connected to your television using a SCART cable.

1. Press **i** to enter the main menu.
2. Use the **◀** and **▶** buttons to select **↔**  and press **OK**.
3. Use the **▲** and **▼** buttons to select one of the available options:
 - AUTO:** automatically selects the format best suited to the content,
 - 4:3:** to play back and record in 4:3 format,
 - 16:9:** to play back and record in 16:9 format.
4. Press **i** to save your settings.


Decoder

1. Press **i** to access the main menu.
2. Select **DECODER**  with the **<** and **>** buttons and press **OK**.
3. Select **ON** using the **▲** and **▼** buttons if a decoder is connected to the AV2 socket.
4. Press **i** to exit the menus.

OPR (Optimum Picture Response)

This feature enhances the picture from the video tape by adjusting to the condition of the video tape. If you feel that the picture needs adjusting you can manually change the OPR setting.

You can only set OPR when a tape is playing in the video recorder.

1. Press **i** to enter the main menu.
2. Use **<** and **>** to select **OPR**  then press **OK**.
3. Use the **▲** and **▼** buttons to select one of the available options: **OFF**, **SOFT** or **SHARP**.
4. Press **i** to exit the menus.


NICAM

This VCR has a stereo NICAM digital sound decoder. It allows you to record and playback the sound in several different ways. Press the **INFO** button to display briefly on the TV screen the type of sound received:

STEREO NICAM: The sound is automatically recorded on the Hi-Fi stereo and mono tracks of the video tape;

BIL NICAM: Both audio channels are recorded on the Hi-Fi stereo tracks. The primary language channel (left) is recorded on the mono track of the video tape.

MONO: The sound is recorded on the Hi-Fi tracks and the mono track of the video tape without any separation.

1. Press **i** to access the main menu.
2. Select **NIC**  with the **<** and **>**

buttons to set the NICAM function and press **OK**.

3. Select **AUTO** to operate the NICAM function automatically or **OFF** to turn it off.
4. Press **i** to exit the menu.

Resetting the tape counter

You can display the tape counter on the front display by pressing the **INFO** button on the remote control. The tape counter displays the play or recording time elapsed in hours, minutes and seconds.

Press **CLEAR** to reset the counter. Then when you press **STOP** and then **REV**, the video recorder will stop rewinding at 0:00:00.

Child lock

To prevent the video recorder from being used, buttons on the front of the appliance can be locked.

1. Press the **LOCK** button on the remote control.
LOCK and **SAFE** appear on the front display. Buttons on the front panel are locked. If one of the front panel buttons is pressed, **SAFE** appears on the front display.
2. Store the remote control in a safe place.
3. Press again the **LOCK** button to unlock the appliance.
OFF appears on the front display.

Playing NTSC tapes

NTSC is the colour television standard used in the United States, in Japan and other countries. Your video recorder can play VHS-NTSC tapes, but you must have a television set compliant with the PAL standard. Most PAL television sets provide proper reproduction of the pictures from NTSC tapes.

Basic playback operations

Compatible discs

- DVD
- DVD-R, DVD+R, DVD-RW, DVD+RW
- CD
- CD-R, CD-RW

Note: Do not try to play irregularly-shaped CDs (e.g. heart-shaped or octagonal).

Compatible formats


- DVD, VCD (Video Compact Disc), SVCD (Super Video Compact Disc), JPEG
- CD, mp3, WMA, DivX.

More information about discs and compatible formats is available at the end of the booklet.

Regional coding

Your DVD player has been designed to process regional management information that is stored on DVD discs. DVD discs that have different regional codes to that of your player cannot be played. The regional code for your player is 2 (Europe, the Middle East, South Africa, Japan). ALL means all regions. When you buy a disc check that it bears the correct logo.

Operating the DVD player

1. Switch on your TV set.
2. Press the  button on the remote control or the **ON/STANDBY** button located on the appliance's front panel. Press the **DVD** button on the remote control.

Using the menus

- **Disc menu** – The appearance and contents of this menu vary according to the type of disc you have inserted and are independent of the player's menus. When the disc is playing, press the **MENU** button to display and hide this menu.
- **Info menu** – The player's **Info** menu appears as a bar on the left of the screen while the disc is playing. During this time, press the **INFO** button on the remote control to display and hide the **Info** menu.

Note: A function is only available if it features on the disc you have inserted. For instance, if you select the **Subtitles** function from the **Info** menu subtitles will only appear if subtitles have actually been provided on the disc. If a menu or icon is not followed by a small arrow (▶) this means that this menu or the associated function is not available.

- **Player's menu** – When the disc is playing, press the **STOP** button and then the **MENU** button to display this menu. In Stop mode or if no disc has been inserted, press the **MENU** button to access this menu.

Playback

Switch the DVD/VCR and the TV set on.

1. Press the **DVD** button and then press the **OPEN/CLOSE** button on the front of the appliance or the **OPEN·CLOSE** button on the remote control to open the disc tray.
2. Put the disc in with the printed side upwards (in the case of a single-sided disc).
3. Press **OPEN·CLOSE** again to close the disc tray.
 - Play starts automatically, or
 - The Disc menu appears. One of its options can be selected to start playing the disc. Select it and press **OK**, or else
 - Press the **PLAY** button.
4. Press **STOP** to stop playback.

Notes:

The player stores the point where playback was interrupted. If you press **PLAY** again, playback resumes from this point. To stop playback completely or to start again from the beginning, press **STOP** twice.

If the player is left in **STOP** mode for more than two minutes without any user interaction, a screen saver is activated.

Accelerated play

1. While the disc is playing, press the **REV** or **FWD** button one or more times to vary the speed and direction of the accelerated play.
2. Press **PLAY** to resume normal playback.

Still image

While the disc is playing, press **PAUSE** once for freeze frame.

Note: After 30 seconds in PAUSE with no user interaction, the player goes into screen saver mode.

Frame advance

1. Press the **PAUSE** button a number of times to advance forward image by image.
2. Press **PLAY** to resume normal playback.

Variable slow motion

1. While the disc is playing, press the **PAUSE** button once.
2. Press the **REV** or **FWD** button a number of times to vary the speed and direction of the slow motion.

Note: Reverse slow motion is not possible with a VCD.

3. Press **PLAY** to resume normal playback.

Changing chapter / track

While the disc is playing, press the **▶▶** or **◀◀** button to go immediately to the next chapter or track, or to the beginning of the current chapter or track. Press the **◀◀** button twice to go to the previous chapter or track.

Zoom

1. While a disc is playing, press several times the **ZOOM** button until you reach the zoom size you require.
2. Move from one area to another using the **<**, **>**, **▲** and **▼** buttons.

3. To resume normal playback press **ZOOM** repeatedly or press the **CLEAR** button.

Note: The Zoom function may not work on some discs.

Scene replay (DVD)

While the disc is playing, press the **AGAIN** button on the remote control to replay the last seconds of the film or sequence shown.

EN
DVD

Play modes

While the disc is playing, press the **PLAY MODE** button repeatedly to select a play mode:

DVD play modes: **Chapter, Title, Off,**

karaoke DVD play modes: **Title, Off, Random, Normal,**

VCD play modes: **Track, All, Random, Normal.**

*Note: On a VCD with PBC (Playback Control), set the **PBC** option to **Off** in the **Others** menu (see page 31).*

Program playback (VCD)

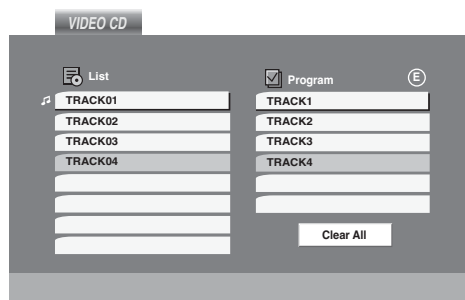
With this option, you choose and program the playback order. You can store up to 30 tracks.

1. Insert a disc.
2. In Stop mode, press and hold the **PLAY MODE** button for a few seconds to enter the Playback list mode. An **E** mark appears next to **Program** on top of the screen.

Notes:

*On a VCD with PBC (Playback Control), set the **PBC** option to **Off** in the **Others** menu (see page 31).*

*Press and hold **PLAY MODE** again to exit the Playback list mode.*



3. Select a track in the list using the **▲** and **▼** buttons and press **OK** to add the track to the playback list. Repeat this step to add other tracks to the playback list.
4. Then press **▶** and select the track you want to start playback from.

5. Press **PLAY** or **OK** to start playback. Tracks are played in the order of the playback list. Playback stops once all tracks have been played.
6. To remove a track from the playback list, select the track using the **▶**, **▲** and **▼** buttons and press the **CLEAR** button. To erase the complete playback list, press **▶** to move to the playback list, select **Clear All** and press **OK**.

Note: The playback list is erased when the disc is removed from the player.

Using the Info menu

You can display information about the disc during playback using the **Info** menu. It will also allow you to access certain functions.

To display the menu, press **PLAY** to start playback and then press the **INFO** button (yellow) on the remote control. Select the various options using the **▲** and **▼** buttons. Then follow the instructions which appear on the screen and use the **◀** and **▶** buttons on the remote control to scroll through the options, or the numeric buttons if appropriate, or the **OK** button to execute the setting.

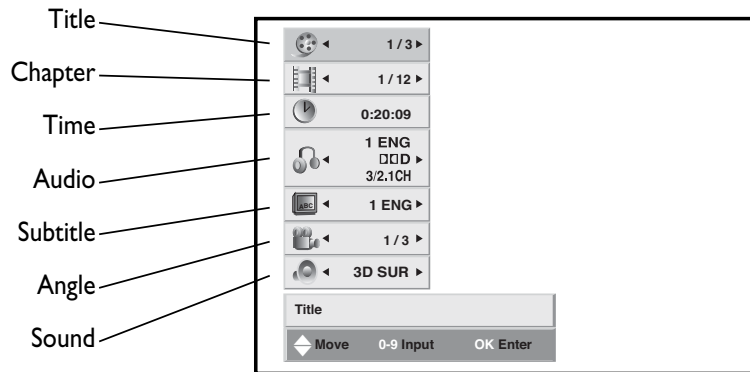
Press the **INFO** button again to exit the **Info** menu.

Note: When one of the icons is not followed by a small arrow (▶), this means that the relevant function is not available on the disc being played.

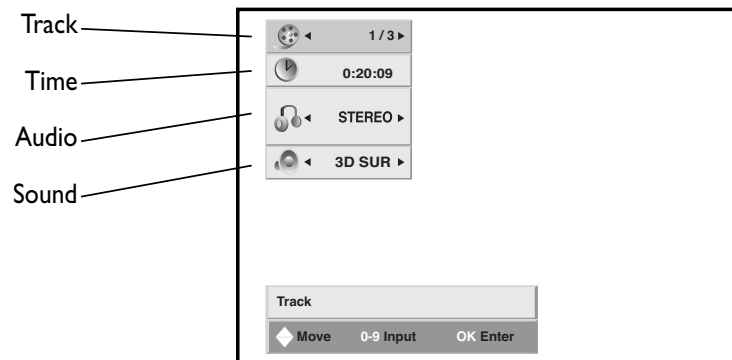


The invalid symbol indicates that the function selected or the button used is not available at this stage.

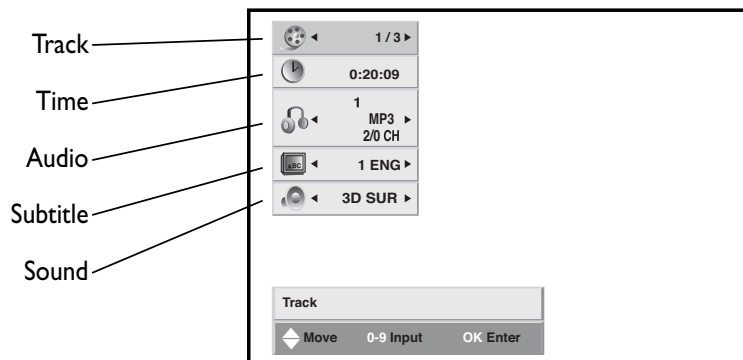
DVD Info menu



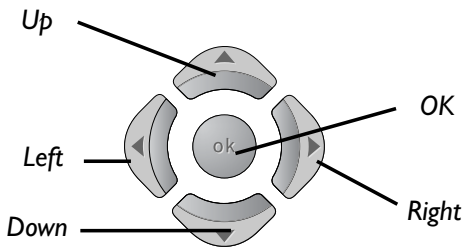
VCD Info menu



DivX Info menu



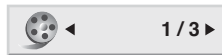
Info menu



Press the **INFO** button on the remote control while a disc is playing to display the **Info** menu.

Use the **▲** and **▼** buttons on the remote control to select the icon you want. Then use the **◀** and **▶** buttons to select an option, or the numeric buttons if appropriate, or the **OK** button to execute the setting.

EN
DVD

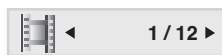


Title/Track

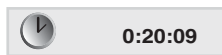
Title/Chapter (DVD) / Track (VCD and DivX)

To directly access a title or a chapter (DVD), or a track (VCD and DivX), press the **INFO** button, then select one of these icons with the **▲** and **▼** buttons, and choose a number using the **◀** and **▶** buttons or enter a number directly with the numeric buttons.

Note: Many discs only have one title.



Chapter



Time

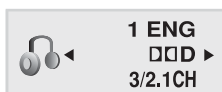
Direct access

To directly access a location on the disc which does not correspond to the start of a title, chapter or track:

1. Press the **INFO** button, then select the **Time** icon with the **▲** and **▼** buttons.
2. Enter a time with the numeric buttons (format h:mm:ss).

*Note: If you make a mistake, press **CLEAR** to remove numbers and then input the correct numbers.*

3. Press **OK** to confirm.



Audio (DVD)

Audio

Some discs have several audio tracks used for different languages or different audio formats.

To change the language or audio format during playback:

- press the **INFO** button, then select the **Audio** icon with the **▲** and **▼** buttons and choose a language or an audio format with the **◀** and **▶** buttons, or
- press the **🔊** button repeatedly to select a language or an audio channel.

Notes:

This option is only available if the disc offers a number of dialogue languages or audio formats.

*When you change the dialogue language using the **Info** menu, your choice of language is only applicable to the disc being played. When you eject the disc or switch off the player, the dialogue language will revert to the one you selected in the **Language** menu (see page 27).*



Audio (VCD)



Audio (DivX)




Subtitle

Subtitles (DVD and DivX)

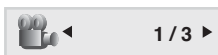
Subtitles are disabled by default.

To enable the subtitle function while the disc is playing:

- press the **INFO** button, then select the **Subtitle** icon using the ▲ and ▼ buttons. Select a language using the ◀ and ▶ buttons, or
- press the  button repeatedly to select the subtitle language.

*Note: When you change the language of the subtitles using the **Info** menu your choice of language only applies for the disc currently being played. When you eject the disc and switch off the player, the subtitles will be displayed again in the subtitle language you selected in the **Language** menu (see page 27).*

EN
DVD




Angle

Camera angle (DVD)

Some discs offer different camera angles for specific scenes.

To change the camera angle during playback:

- press the **INFO** button, then select the **Angle** icon with the ▲ and ▼ buttons, and choose the angle with the ◀ and ▶ buttons, or
- press the  button several times to view the different camera angles available.

Notes:

If the disc was recorded using a single camera angle, this function is not available.

There are very few discs offering more than one angle.



Sound

Sound

To create a 3D surround effect that simulates multi-channel audio from two stereo speakers:

1. Press the **INFO** button during playback, then select the **Sound** option using the ▲ and ▼ buttons.
2. Use the ◀ and ▶ to select **3D SUR**.
3. To turn off the 3D Surround effect, select **Normal**.

Audio CDs, mp3, WMA, JPEG and DivX discs

Playing an audio, mp3 or WMA CD

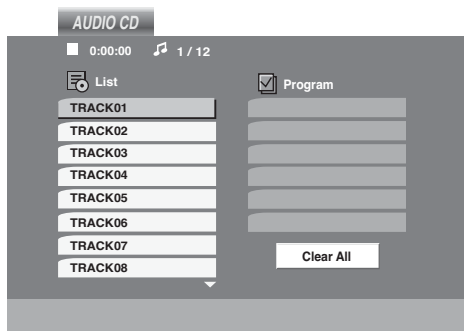
mp3 is an audio file format which compresses recorded music. It was developed in collaboration with **THOMSON**. The main advantage of the mp3 format is that it means CD-quality music tracks can be stored on a personal computer in user-friendly compressed files.

WMA (Windows Media Audio) is another audio file format developed by Microsoft.

Before inserting a disc, check that it is compatible with the player.

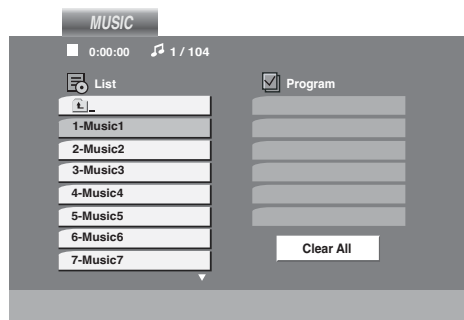
1. Open the tray by pressing the **OPEN•CLOSE** button.
2. Place the disc with the printed side facing up and close the tray.

Audio CD



3. A menu appears on the TV screen. Select a track using the **▲** and **▼** buttons on the remote control, then press **PLAY** or **OK** to start playback.

mp3 / WMA CD



3. Select a folder using the **▲** and **▼** buttons on the remote control, then press **OK** to see the folder's contents.

4. Select a track using the **▲** and **▼** buttons on the remote control, then press **PLAY** or **OK** to start playback.

Notes:

In the file list, select **⏪** and press **OK** to go back to the folder list.

Press and hold the **MENU** key for a few seconds to display the previous page of the list.

During playback press the **INFO** button (yellow) to display information about the track.

Accelerated play

1. While the disc is playing, press the **REV** or **FWD** button one or more times to vary the speed and direction of the accelerated play.
2. Press **PLAY** to resume normal playback.

Pause

1. Press the **PAUSE** button during playback.
2. Press **PLAY**, **OK** or **PAUSE** again to resume playback.

Changing track

While the disc is playing, press the **▶|** or **◀|** button to go immediately to the next track, or to the beginning of the current track. Press the **◀|** button twice to go to the previous track.

Note: For audio CDs, enter the track number using the numeric buttons to directly access any track.

Play modes

Press the **PLAY MODE** button repeatedly to select a play mode: **Track**, **All**, **Random**, **Normal**.

Note: If you press the **▶|** button during random playback, the player selects another track and resumes random playback.

Program playback

With this option, you choose and program the playback order. You can store up to 30 tracks.

1. Insert a disc.
2. Press and hold the **PLAY MODE** button for a few seconds to enter the Playback list mode. An **E** mark appears next to **Program** on top of the screen.

Audio CDs, mp3, WMA, JPEG and DivX discs

Note: Press and hold **PLAY MODE** again to exit the Playback list mode.

3. Select a track in the list using the **▲** and **▼** buttons and press **OK** to add the track to the playback list. Repeat this step to add other tracks to the playback list.
4. Then press **▶** and select the track you want to start playback from.
5. Press **PLAY** or **OK** to start playback. Tracks are played in the order of the playback list. Playback stops once all tracks have been played.
6. To remove a track from the playback list, select the track using the **▶**, **▲** and **▼** buttons and press the **CLEAR** button. To erase the complete playback list, press **▶** to move to the playback list, select **Clear All** and press **OK**.

Notes:

The playback list is erased when the CD is removed from the player.

Press the **PLAY MODE** button to access the available play modes during program play.

Displaying JPEG files

JPEG files are image files.

Note: The time taken for the contents of the disc to be displayed varies according to the size and number of JPEG files actually on the disc. If nothing is displayed after a few minutes, it is likely that certain files are too large. In this case, reduce the files' resolution to less than 2,760 x 2,048 pixels and write another disc.

1. Open the tray by pressing the **OPEN•CLOSE** button.
2. Place the disc with the printed side facing up and close the tray.
3. A menu appears on the TV screen.



Select a folder using the **▲** and **▼** buttons on the remote control, then press **OK** to see the folder's contents.

4. Select a file using the **▲** and **▼** buttons on the remote control.

Note: In the file list, select **⏪** and press **OK** to go back to the folder list.

5. To choose a projection speed, select the **⏸** icon using the **▲**, **▼**, **◀** and **▶** buttons and then select one of the available options using the **◀** and **▶** buttons: Fast (**>>>**), Normal (**>>**) and Slow (**>**). Press **▲** and then **▶** to move back to the list.
6. Press **PLAY** or **OK** to display the selected file or select the **⏮** icon to start the slide show. The slide show starts from the selected file.

Notes:

During the slide show, you can use the **PAUSE** button to pause the slide show, the **ZOOM** button to magnify the picture, the **▲** and **▼** buttons to rotate the picture clockwise or counter clockwise, the **◀** or **▶** buttons to go back to the previous picture or go on to the next one.

During the slide show hide the file information using the **RETURN** button.

Playing JPEG and mp3 or WMA files at the same time

You can display JPEG files while listening to mp3 or WMA music files recorded on the same disc.

1. Insert the disc containing the two types of file in the player.
2. Press the **TITLE** button (blue) to display the Photo menu.

Note: Use the **TITLE** button to display the Music and Photo menu in turn.

3. Select a JPEG file using the **▲** and **▼** buttons.
4. Select the **⏮** icon using the **▶** button, and then press **OK**. The simultaneous playback of music and pictures starts.

EN
DVD

Audio CDs, mp3, WMA, JPEG and DivX discs

Playing DivX files

This DVD player is an Official **DivX Certified™** product that plays DivX®5, DivX®4, DivX®3, XviD, MP43 and 3ivX video content in compliance with DivX Certified™ technical requirements. Apart from mp3, the audio formats recognised by the player are AC3, DTS, PCM and WMA.

Note: The audio must be sampled at sampling frequencies between 8 and 48kHz for mp3 and between 32 and 48kHz for WMA, with an average bit rate of 8 to 320kbps for mp3 and 32 to 192kbps for WMA.

1. Open the tray by pressing the **OPEN•CLOSE** button.
2. Place the disc with the printed side facing up and close the tray.
3. A menu appears on the TV screen. Select a folder using the **▲** and **▼** buttons on the remote control, then press **OK** to see the folder's contents.
4. Select a file using the **▲** and **▼** buttons on the remote control.

*Note: In the file list, select **◀** and press **OK** to go back to the folder list.*


5. Press **OK** or **PLAY** to start playback.
6. Press **STOP** to stop playback.

*Note: On a CD including mp3, WMA or JPEG and DivX files, use the **TITLE** button to display the Music, Photo and Movie menus in turn.*

Renting (purchasing) DivX®VOD files

DivX VOD files are similar to DVD video rental discs. DivX VOD files are downloaded after paying a rental from certain commercial websites. Prior to downloading a VOD you need to input the registration number of your DVD player on the purchase form on the site.

Follow the instructions below to find the registration number of your player:

1. Select the **Others**  option in the main menu using the **▲** and **▼** buttons and press the **▶** button to access the submenu.
2. Select **DivX(R) VOD** using the **▲** and **▼** buttons, and press the **▶** button. The registration number is displayed on the screen of the TV set's screen.
3. Write down this VOD 8-character registration number so that you can fill in the form on the website you purchase your DivX VOD files from.

Note: If you cannot play a DivX VOD file recorded on a CD-R disc after downloading it, the rental period allocated during purchasing from the website may have expired. It is also possible that the recorded file is not compatible with your player because of different versions or incorrect download parameters. The parameters used when copying to CD-R may be another reason for this. Since it is not possible here to supply all the information, parameters and advice relating to the use of DivX VOD files, we recommend that you visit specialist websites such as www.divx.com/vod.

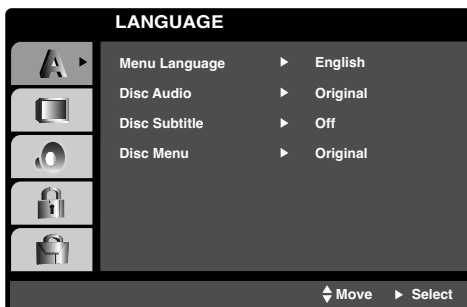
Note on DivX files: Before playing DivX or mpeg4 files, please be sure of their origin and that you have legally purchased or rented the contents. Pirate copying is illegal and may result in sanctions. Private copies of your own material for your own use may be legal in some countries. Make sure you are aware of any applicable laws.

EN
DVD


Using the player's menus

1. Press the **MENU** button to display the player's main menu. When a disc is playing, press the **STOP** button first.
2. Select a menu option using the **▲** and **▼** buttons, then press the **▶** button to access the submenu. The submenu shows the current setting and the alternate setting(s).
3. Select a submenu option using the **▲** and **▼** buttons, then press the **▶** button to access the submenu.
4. Select an option using the **▲** and **▼** buttons and press **OK** to confirm your selection.
5. Press **MENU** again to exit the main menu.

The Language menu



With this menu, you can set the language for player menus, dialogue, subtitles and the disc menus.


1. Select the **Language**  option from the main menu using the **▲** and **▼** buttons and press the **▶** button to access the submenu.
2. Select one of the options using the **▲** and **▼** buttons, and press the **▶** button to access the various options.

Menu language

To change the language of the player menus, choose the language using the **▲** and **▼** buttons and press **OK** to confirm.


Disc Audio (DVD)

To change the dialogue language, choose the language using the **▲** and **▼** buttons and press **OK** to confirm.

Note: To change the language during play, display the audio icon by pressing the  button on the remote control (see page 22).

Disc Subtitle (DVD)

To change the subtitle language, choose the language using the **▲** and **▼** buttons and press **OK** to confirm.

Note: To change the language of the subtitles during playback, display the subtitle icon by pressing the  button on the remote control (see page 23).

Disc Menu (DVD)

To change the language of the disc menus, choose the language using the **▲** and **▼** buttons and press **OK** to confirm.

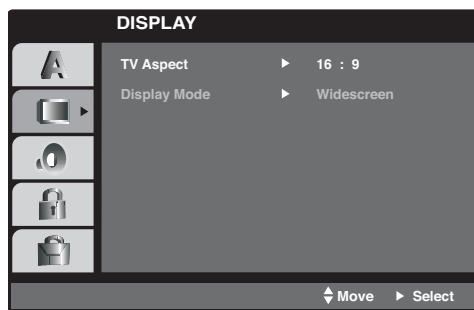
Notes:


The **Original** option refers to the original language in which the disc was recorded.

The **Other** option allows you to select a language which is not in the list; refer to the language code list at the end of the booklet, enter the 4-digit code corresponding to the chosen language and press **OK**.

Player Menus

The Display menu



1. Select the **Display**  option from the main menu using the **▲** and **▼** buttons and press the **▶** button to access the submenu.
2. Select one of the options using the **▲** and **▼** buttons, and press the **▶** button to access the various options.

TV Aspect (DVD)

1. Select a format using the **▲** and **▼** buttons: **4:3** or **16:9** depending on the type of TV connected to the player.
2. Press **OK** to confirm.

Display mode (DVD)

*Note: This option is available only when the **TV Aspect** mode is set to **4:3**.*

1. Select a display mode using the **▲** and **▼** buttons:

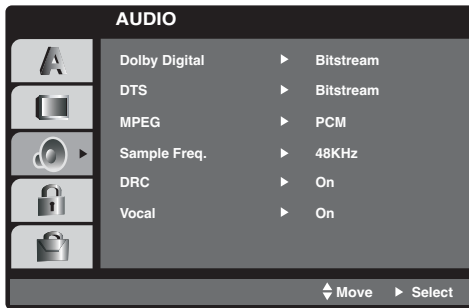
Letterbox: displays a wide picture with horizontal bands on the upper and lower portions of the screen,

Panscan: automatically displays wide pictures on the entire screen and cuts off portions which do not fit.


2. Press **OK** to confirm.

EN
DVD

The Audio menu



You can adapt your player to other equipment and access specific functions with the **Audio** menu.

1. Select the **Audio**  option from the main menu using the **▲** and **▼** buttons and press the **▶** button to access the submenu.
2. Select one of the options using the **▲** and **▼** buttons, and press the **▶** button to access the various options.

EN
DVD

Dolby Digital / DTS / MPEG (DVD and DivX)


Select an option using the **▲** and **▼** buttons and press **OK** to confirm:



Bitstream: Select this option if you connect the DVD Player's DIGITAL OUT socket to an amplifier or other equipment with a Dolby Digital, DTS or MPEG decoder.

PCM (for Dolby Digital / MPEG): Select this option when connected to a two-channel digital stereo amplifier. DVDs encoded in Dolby Digital or MPEG will be automatically downmixed to two-channel PCM audio.

Off (for DTS): If you select **Off**, the DTS signal is not output through the DIGITAL OUT jack.

Notes:

 DTS is a digital sound compression technique developed by Digital Theater Sound Systems for digital multichannel audio signals. "DTS" and "DTS Digital Out" are trademarks registered by Digital Theater Systems Inc.

 Dolby and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation. Dolby Digital is a sound compression technique developed by Dolby Laboratories for digital audio multichannel signals. The Dolby Digital system supports any audio channel configuration, from stereo sound (2 channels) up to the digital "surround" sound 5.1.

Sample Frequency (DVD)

Select an option using the **▲** and **▼** buttons and press **OK** to confirm:

48kHz: Select this option if your receiver or amplifier is not capable of handling 96 kHz signals. In that case, the player automatically converts any 96 kHz signals to 48 kHz so your system can decode them.

96kHz: Select this option if your receiver or amplifier is capable of handling 96 kHz signals.

Note: Check the documentation of your amplifier to verify its capabilities.

DRC (Dynamic Range Control) (DVD and DivX)

Compressing the dynamic range of the audio output (the difference between the loudest sounds and the quietest ones) allows you to listen to a movie at a lower volume without losing clarity of sound.

Select **On** using the **▲** and **▼** buttons to enable the DRC option and press **OK** to confirm.

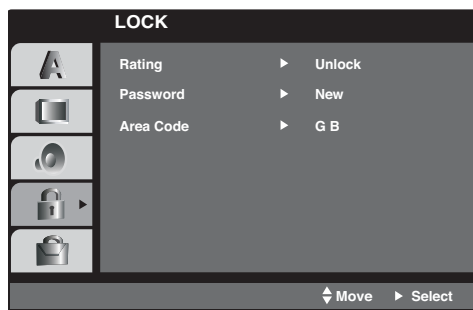
Vocal (DVD)

Set this option to **On** only when a multi-channel karaoke DVD is playing. That way, the karaoke channels on the disc mix into normal stereo sound.


Select **On** using the **▲** and **▼** buttons and press **OK** to confirm.

Player Menus

The Lock menu



You can control access to the player and the type of discs your family can watch with the lock function. There are eight levels of parental control.

1. Select the **Lock**  option from the main menu using the **▲** and **▼** buttons and press the **▶** button to access the submenu.
2. Select one of the options using the **▲** and **▼** buttons, and press the **▶** button to access the various options.

Note: To access the Rating, Password and Area code submenus, you must input a four-digit password. If you have not chosen one yet, you are prompted to do so when you try to access these submenus.

Rating (DVD)

The disc publisher is responsible for coding scenes according to the rating limits. In Europe, very few discs have coded scenes.

1. Enter the four-digit password and press **OK**. If you have not chosen one yet, you are prompted to enter it again and press **OK**.
2. For the rating limit, select the level using the **▲** and **▼** buttons, then press **OK** to confirm.

Note: Select **Unlock** to unlock the player.

Password

This option allows you to set or change the password.

To set a password:

Select the **New** option and press **OK**. Enter the four-digit password and press **OK**. Then you are prompted to enter it again to confirm and press **OK**.

To change the password:

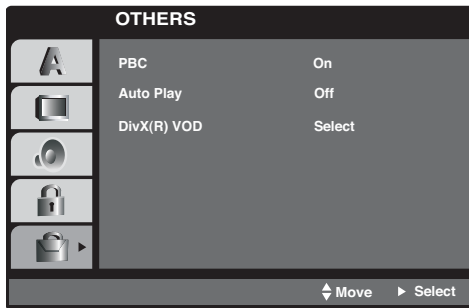
Select the **Change** option and press **OK**. Enter the current four-digit password and press **OK**. Then enter the new password and press **OK**. You are prompted to enter it again to confirm and press **OK**.


Area code (DVD)

This option allows you to enter the code of the country whose standards were used to rate the DVD (see country code list at the end of the manual).

1. Enter the four-digit password and press **OK**. If you have not chosen one yet, you are prompted to enter it again and press **OK**.
2. Scroll through the alphabet using the **▲** and **▼** buttons to display the first character of the country code. Then press **▶** button to move to the second character.
3. Scroll through the alphabet using the **▲** and **▼** buttons to display the second character of the country code.
4. Press **OK** to confirm.

The Others menu



1. Select the **Others**  option from the main menu using the **▲** and **▼** buttons and press the **▶** button to access the submenu.
2. Select one of the options using the **▲** and **▼** buttons, and press the **▶** button to access the various options.

EN
DVD

PBC (PlayBack Control) (VCD)

The PlayBack Control function offers scenes and information which can be selected interactively via a menu. It can also be used to display high-resolution pictures, if the disc contains any.

Press the **▲** and **▼** buttons to enable or disable this function and press **OK** to confirm.

Note: This option may not be available on all VCDs.

Auto Play (DVD)

This option automatically starts playback a DVD disc as soon as it is loaded. If the Auto Play mode is set to On, the DVD player automatically searches for the longest title on the DVD disc and starts playing back that title.

Press the **▲** and **▼** buttons to enable or disable this function and press **OK** to confirm.

Note: This option may not be available on all DVDs.


DivX(R) VOD

DivX VOD files are similar to DVD video rental discs. DivX VOD files are downloaded after paying a rental from certain commercial web sites. Prior to downloading a VOD you need to input the registration number of your DVD player on the purchase form of the site.

1. Select **Select** using the **▶** button and press **OK**. The registration number is displayed on the screen of the television set.
2. Write down this VOD 8-character registration number in order to fill in the form on the web site you purchase your DivX VOD files from (see page 26).

Troubleshooting

The appliance does not switch on.

- Make sure it is plugged into a mains socket.
- Press the  button on the remote control or the **ON/STANDBY** button on the front of the appliance.

The remote control does not work or works only intermittently.

- Check that batteries are inserted or change them.
- Aim the remote control at the appliance. The infrared beam must not be blocked or interrupted.
- Check that the remote control is configured to control the device you are trying to operate with it. Press the **DVD** button if you want to operate the DVD player, the **TV** button to operate a television set and the **VCR** button to operate the video recorder (see pages 4 and 5).

There is no picture.

- Check you have switched on the TV set.
- Check the connections (see pages 6 and 7).
- Select the AV input assigned to the player on the TV.
- **VCR** - Try a different video tape. If the problem is solved, the problem may be caused by the tape itself.

DVD

It is impossible to read the disc.

- Insert the disc with the printed side facing up.
- Check that the disc can actually be played by this device (see page 34).
- If you are trying to play a disc containing JPEG files, check that the files have a resolution of less than 2,760 x 2,048 pixels.
- Check that the disc's regional code matches the player's regional code. This player's regional code is 2.
- Clean the disc (see page 33).
- The DVD player is locked. Unlock the player or change the rating level (see page 30).

The picture is of poor quality (with snow or lines).

- Check the connections (see pages 6 and 7).

There is no sound or the sound is of poor quality.

- Check the connections (see pages 6 and 7).
- It may be necessary to modify the setting selected for the Digital Output option (**Audio** menu, page 29).
- Turn on the audio equipment connected to the player, if any.

The subtitles do not appear.

- Check that the DVD disc provides subtitles.
- Refer to the section on how to display subtitles (see page 23).

The disc menu language is not the correct one.



- The disc menu language has not been set up (see page 27).
- The language of your choice is not available on the disc (see page 27).

You have forgotten your password (Parental control).

- When the main menu of the DVD player is displayed, enter the 6-digit number 210499. The password is cancelled.

VCR

The picture is of poor quality (with snow or lines).

- Try to correct tracking using the  and  buttons to reduce the amount of visible interference.

It is impossible to record a TV programme.

- Check the reception on your television set. If you cannot receive a picture through the aerial, the video recorder will be unable to record television broadcasts.
- Check the connections (see pages 6 and 7).
- Check that channels are tuned on the video recorder.
- Check the protection tab of the tape is

not broken.

- Check the quality of the signal received by the television.

It is impossible to insert a tape.

- Check a cassette is not already inserted in the video recorder.
- Is the video cassette the right way round? The window should be at the top and the arrow should be pointing towards the video recorder.

NICAM sound is not being recorded.

- Check that **AUTO** has been selected in the **NICAM** menu.
- Consult a TV guide to check that the broadcast is in stereo.
- Check in your television's user manual that your television has the NICAM stereo feature.

No Hi-Fi sound.

- Check in the **Audio** menu that the **STEREO** option has been selected.
- Check in your television's user manual that your television has the stereo feature.

Autoplay does not work.

- If the protection tab of the tape has not been broken this function will not work.

Precautions

Use

- If your appliance has been stored in a cool place for any length of time, during a journey for example, wait for about 2 hours before using it.
- The openings located on the top and bottom are for ventilation and must not be obstructed.
- During thunderstorms, we recommend that you isolate the appliance from the electrical supply so that it is not damaged by electrical or electromagnetic surges.
- This appliance is designed for continuous use. Putting the appliance into standby mode does not disconnect it from the mains supply. To completely isolate the equipment, remove the plug from the mains socket as some components remain

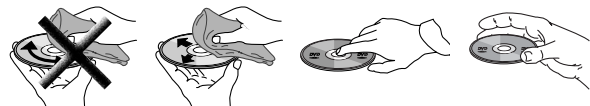
connected to the electrical supply.

- If you notice any burning or smoke, disconnect the appliance immediately to avoid any risk of electrocution.
- Do not attempt to look inside the appliance through the disk tray opening or any other opening. You may be electrocuted or exposed to laser radiation.
- This appliance is for domestic use only and must not be used for industrial purposes.
- Total or partial copying of recordings protected by copyright legislation, without the explicit permission of the holder of the rights, contravenes current legislation. Copying or downloading music files for sale or any other business purpose constitutes or could constitute a violation of copyright law.

Cleaning

- Use a soft, dry, clean cloth. Regularly dust the vents at the back or sides.
- Using solvents, abrasive or alcohol-based products risks damaging the appliance.
- If an object or liquid enters inside the appliance, unplug it immediately and have it checked by an authorised engineer.

Handling and caring for discs



- Handle your discs with care. Hold the disc with your fingers at the edges or through the hole.
- Insert the disc with the label facing up (for a single-sided disc).
- Place the disc properly into the tray in the allotted holder.
- Use a soft cloth to clean discs if necessary, always wiping from the centre to the edge.
- Always put discs back in their cases after use and store in a vertical position.
- Do not close the tray with two discs in it or with a disc not sitting correctly in the holder.
- Do not play cracked, chipped or warped discs nor try to repair them with adhesive tape or glue.
- Do not write on a disc.

Additional Information

- Do not move the player when a disc is being played.
- Do not scratch discs or store them in places exposed to direct sunlight, high humidity or high temperatures.
- Do not use aerosol cleaners, benzene, anti-static liquids or any other solvent for cleaning discs. When cleaning, wipe gently with a soft damp (water only) cloth from the centre to the edge, avoiding circular motions, which could cause scratches and interference during playback.

Guarantee

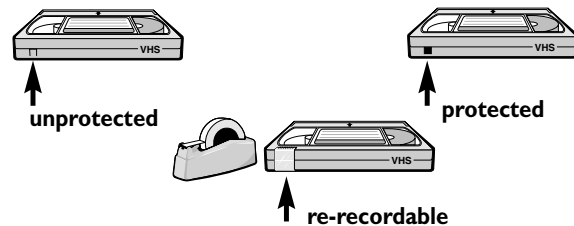
- The type and production number of your appliance are printed on the guarantee certificate supplied with your appliance. Keep this certificate as well as the invoice. These documents are required in the event of claiming your guarantee rights.
- All repairs during the guarantee period must be carried out by an authorised engineer for our brand. If this condition is not met, your rights will no longer be valid.
- Never open the appliance yourself, since this may put you at risk or damage the equipment. THOMSON does not accept any liability if the appliance is used in any way other than in accordance with this manual.

DISCLAIMER OF WARRANTIES: TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, DECLARATIONS AND WARRANTIES OF NON-INFRINGEMENT OF COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHTS RESULTING FROM THE USE OF THE PRODUCT IN CONDITIONS OTHER THAN THOSE SPECIFIED ABOVE ARE HEREBY DISCLAIMED.

Concerning video tapes

- Tapes are sensitive to environmental storage conditions. Keep them away from dust, humidity or excessive heat. Do not place them next to appliances producing strong magnetic or electrical fields (electro-magnet, motor, etc.). Tapes may

vary in quality, the difference in quality not only concerns the tape itself but also the different mechanical elements of the video cassette. A poor quality tape can damage your video recorder. You should therefore only use quality brand tapes.



- To avoid erasing one of your tapes by accident, we recommend you protect them by breaking the security tab. To reuse a protected tape, just stick a piece of adhesive tape on this place.

Technical data

General

Power requirements: AC 200-240V, 50 Hz -
Power consumption: 17W - Operating temperature: 5°C to 35°C (41°F to 95°F) -
Operating humidity: 5 % to 90 %

System

Laser: Semiconductor laser, wavelength 650 nm
- Video Head system: Double azimuth 4 heads, helical scanning - Signal-to-noise ratio: More than 100dB (ANALOG OUT connectors only)
- Harmonic distortion: Less than 0.008% -
Dynamic range: More than 100 dB (DVD), More than 95 dB (CD)

Discs and formats you can play

In spite of the progress made to ensure playability of all disc types, it is not possible to guarantee playback of discs which do not comply with DVD, CD, VCD or SVCD standards. This unit may not play some recordings or files on CD-R, CD-RW, DVD-R, DVD-RW, DVD+R, DVD+RW due to differences in recording formats, software used and disc types.



DVD-Video

Digital video discs - 12 cm and 8 cm, single- or double-sided, single or dual layer. DVDs are high-density optical discs on which high-quality images and audio are recorded by means of digital signals.



DVD-R, DVD-RW, DVD+R, DVD+RW

Most DVD-R and DVD+R (one recording only), DVD-RW and DVD+RW discs (rewritable). Depending on the DVD writer and discs used. Recordings using DVD-R and DVD-RW discs must be made in Video DVD mode. Recordings using DVD+RW discs must be made in accordance with the specifications for DVD+RW discs with a 4.7 GB capacity.



VCD - Video Compact Disc

CD on which you can record up to 74 min. of VHS-quality video associated with still images, audio tracks and interactive menus.



SVCD - Super Video Compact Disc

Most SVCDs comply with the IEC62107 standard. SVCDs can be used to record up to 70 minutes of digital sound and images in accordance with MPEG-2 standards for video and MPEG-1 standards for audio.



Audio CDs

Audio CDs (8 and 12 cm).



CD-R, CD-RW

Most CD-R (one recording only) and CD-RW discs (rewritable).

This player can play most CD-R discs. CD-Rs written during a multisession recording can also be played, provided that the session has ended before the disc is played (depending on the write software). However, depending on the condition of the CD-writer, computer and the disc used, you may find that not all discs will play successfully. When playing a CD-R disc, it is completely normal for the unit to take up to 20 seconds to recognise the disc before starting to play. If the disc is not recognised after a period of 20 seconds, remove the disc, and then insert it again.

- Irrespective of the actual recording capacity of the CD-R, do not use its full capacity.
- CD-Rs should be preferably used instead of CD-RWs (rewritable CDs) as, in certain cases, CD-RW playback may be faulty.
- Use reliable, good-quality CD write software.
- Close all other applications on the computer to ensure reliable CD-R disc recording.



DivX files

DivX is the name of a revolutionary new video codec which is based on the new MPEG-4 compression standard for video. Whether DivX files play correctly on your player or not depends on the preparation and production of the audio and video files, the codecs and the type of recording equipment used, as well as on your computer's parameters. It may therefore happen that you cannot play a DivX file or that part or all of it is defective. DivX disc compatibility with this player is limited as follows:

- The maximum resolution of the DivX file is below 720x576 (W x H) pixels.
- DivX filenames should not exceed 56 characters.
- If the video and audio structure of the recorded file is not interleaved, either video or audio is outputted.
- If the file is recorded with GMC, the unit supports only 1-point GMC. GMC is the acronym for Global Motion Compensation. It is an encoding tool specified in the MPEG4 standard. Some MPEG4 encoders, like DivX or XviD, have this option. There are different levels of GMC encoding, usually called 1-point, 2-point, or 3-point GMC.



mp3 files

CD-R and CD-RW discs containing audio files in mp3 format. With regard to CD-R mp3 discs, please follow all the recommendations for CD-R above, along with the comments below:

- Your mp3 files should be ISO 9660 or JOLIET format. ISO 9660 format and Joliet mp3 files are compatible with Microsoft DOS and Windows, as well as with Apple Mac. These two formats are the most widely used.
- mp3 filenames should not exceed 8 characters and should end with the ".mp3" extension. General name format: Title.mp3. When composing your title ensure that you use 8 characters or less, have no spaces in the name, and avoid the use of special characters including (., /, \, =, +).
- The total number of files on a disc should be less than 650.
- Use a decompression transfer rate of at least 128 kB/sec (kilobytes/second) when recording mp3 files. Sound quality with mp3 files basically depends on the rate of compression/decompression you choose. Obtaining audio CD quality sound requires an analogue/digital sampling rate, that is conversion to mp3 format, of at least 128 kB/sec and up to 160 kB/sec. Choosing higher rates, such as 192 kB/sec or more, only rarely produces even better sound quality. Conversely, files with sampling rates below 128 kB/sec will not play properly.
- Do not try recording copyright-protected mp3 files. "Securized" files are encrypted and code-protected to prevent illegal copying. You must not copy such files.



WMA (Windows Media Audio) files

CD-R with WMA files.

- WMA filenames should not exceed 8 characters, and should end with the ".wma" extension. General name format: Title.wma. When composing your title ensure that you use 8 characters or less, have no spaces in the name, and avoid the use of special characters including (., /, \, =, +).
- The total number of files on a disc should be less than 650.

Important: The above recommendations cannot be taken as a guarantee that the DVD player will play mp3 and WMA recordings, or as an assurance of sound quality. You should note that certain technologies and methods for mp3 and WMA file recording on CD-Rs prevent optimal playback of these files on your DVD player (i.e. degraded sound quality and even, in some cases, inability of the player to read the file).



JPEG files

CD-R and CD-RW with JPEG files. Certain JPEG files, including progressive JPEG files, cannot be read by this player. The total number of files and folders on the disc should be less than 650. Make sure that files have the ".jpg" extension. Files without the ".jpg" extension cannot be read by the player, even though the files are shown as JPEG images on your computer.

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