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DVD copy protection

In accordance with the DVD standard, your DVD player is equipped with a Copy Protection system, which can be triggered on and off by the DVD disc itself, in order to make any recording of the concerned 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."

Connections and initial set up

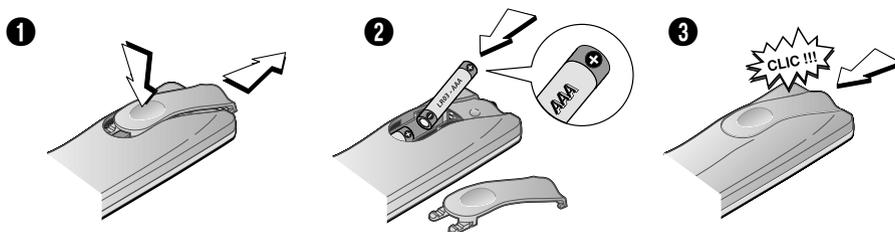
Precautions and information before connecting

- Ensure that the mains supply in your house complies with that indicated on the identification sticker located at the back of your player. Install your player horizontally, on a suitable base (furniture), with enough space around it for ventilation (7-10 cm)
- Ensure that the ventilation slots, and the player itself, are not covered by objects such as a mat, newspapers, curtain, etc.
- Do not stack any other equipment on top of your DVD player.
- Do not place the player on top of an amplifier or any other equipment that gives off heat
- The appliance should not be in contact with liquids or exposed to the risk of dripping or splashing. Therefore be careful not to place any object containing a liquid (vase, glass, bottle,...) on or near your appliance
- The player must not be near or exposed to a flame. For instance, do not place a candle on or near the player
- Protect the player from moisture and excess heat (e.g. fireplace) or equipment creating strong magnetic or electric fields (i. e. speakers ...). Before moving the player, make sure it does not contain a disc.

Switching off the DVD player to the stand-by mode does not disconnect the electricity supply. In order to separate the player completely from the mains, it has to be disconnected by unplugging the mains plug. When connecting, ensure that the plugs of the various cables are pushed securely into their corresponding sockets. Your player is not intended for industrial use but for domestic purposes only. Use of this product is for personal use only. Copying CDs or downloading music files for sale or other business purposes is or may be a violation of copyright law.

Important notice: Please read the recommendations given on page 38.

Setting up the remote control unit



Important information regarding the batteries

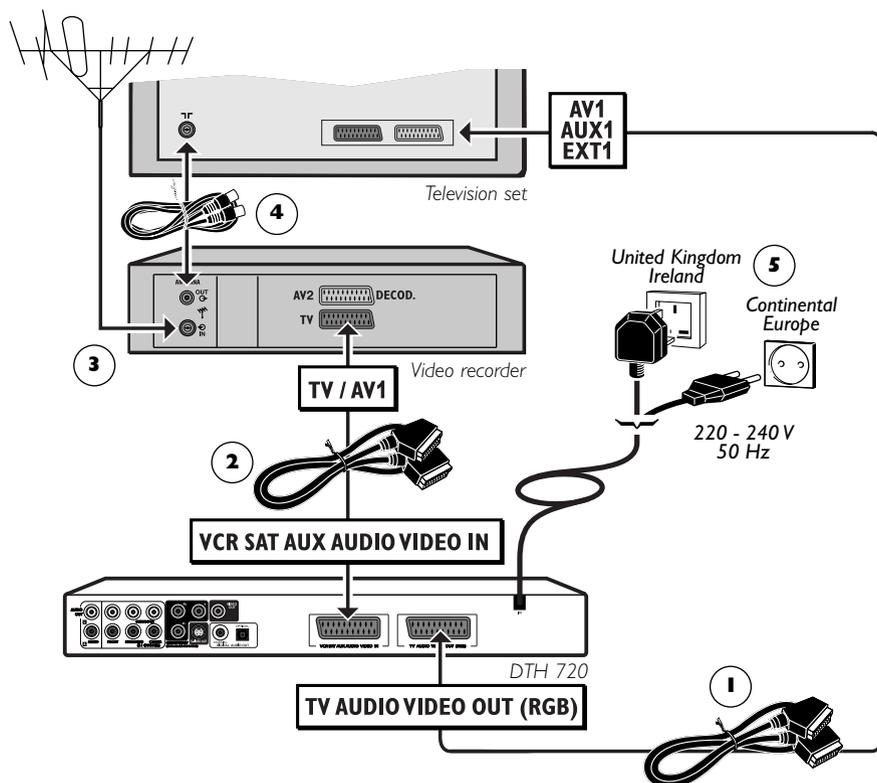
- Do not mix different types of batteries or new and old batteries. Do not use rechargeable batteries. In order to avoid any risk of explosion, observe polarities indicated inside the battery compartment. Replace only with the type of batteries specified above. Do not throw them into fire, do not recharge them. Remove the batteries from the remote control unit if you are not going to use it for several weeks. Immediately remove any leaking batteries. Take care in doing this, as leaking batteries may cause burns to the skin or other physical injury.



- Please respect the environment and prevailing regulations. Before you dispose of batteries ask your dealer whether they are subject to special recycling and if he accepts to take them back.

Connections and initial set up

The rear panel of your television set and your video player may be different from the ones illustrated here.



Connecting: DVD player + TV set + VCR

If you are only connecting your player to your television set, only carry out the connections shown in stages 1 and 5. If no Scart-Peritel socket is available on the TV set consult your retailer. If you already have a VCR the connections shown in stages 3 and 4 should, in most cases, already be in place.

Recommended Audio – Video connections

1. Connect a Scart-Peritel cable (not supplied) to the **TV AUDIO VIDEO OUT (RGB)** output socket at the rear of your DVD player and to the **AV1** input socket of your television set (sometimes called **AUX 1** or **EXT 1**).
2. Plug your VCR Scart-Peritel cable into the **VCR/SAT/AUX/AUDIO/VIDEO IN** socket on your DVD player and into the **TV** socket on your VCR.
3. Plug the outside aerial or the network into the aerial in socket (**IN** Ⓜ) on the VCR.
4. Use a coaxial cable to connect the aerial out socket on the VCR (**OUT** Ⓜ) and the aerial in socket (Ⓜ) on your TV set.
5. Plug the mains plug of your player into a mains socket.

Note: for UK, please see safety information regarding the mains plug at the end of this user manual, in the cover page.

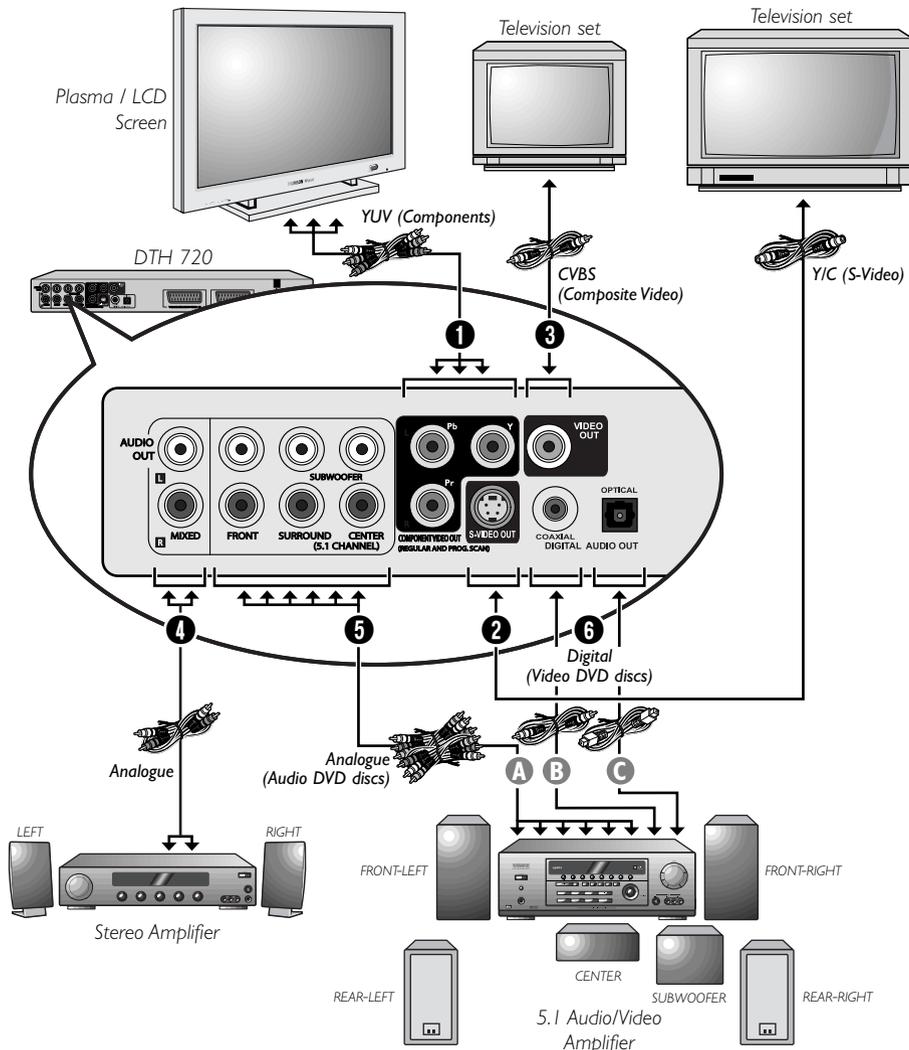
Continue on page 9

Connections and initial set up

Other Audio - Video connections

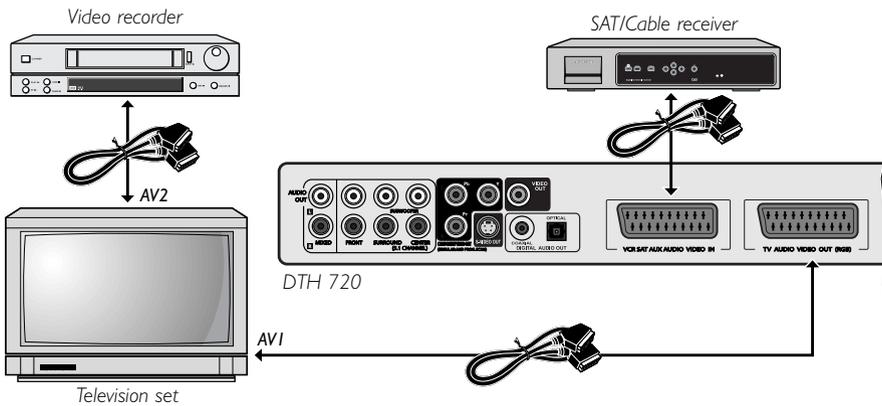
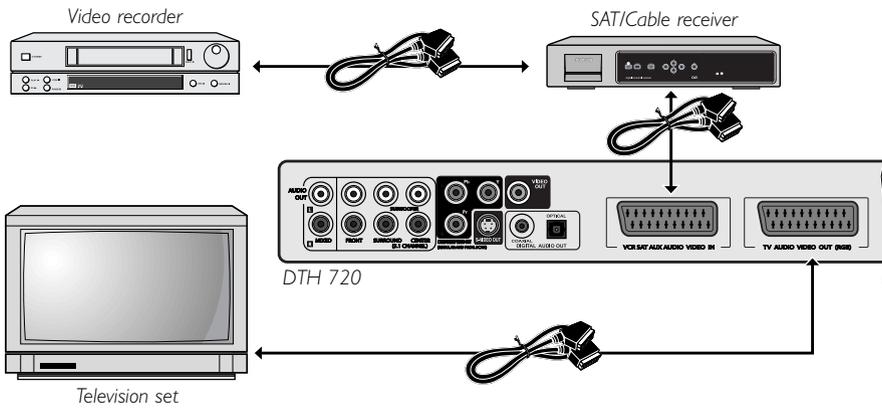
If there is no Scart-Peritel connector available on the television set, check if there is another Video connector (Components, S-Video or Composite) to connect your player to using the corresponding connectors (see below). In this case do not forget to also connect the Audio out socket (**AUDIO OUT**) to the Audio in socket (**AUDIO IN**) on your TV set.

*Note: if your television is equipped with Component sockets and if you choose these connections, you must adjust the output signal from your Scart-Peritel socket from **RGB** to **YUV** and select **Progressive Scan** (see page 29). For more information about signals, cables and Audio/Video sockets refer to pages 6 and 7.*

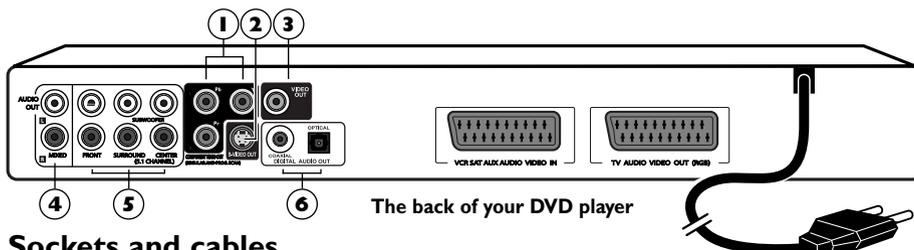


Connections and initial set up

Other connections



Connections and initial set up



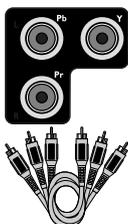
The back of your DVD player

Sockets and cables

There are several ways in which you can incorporate your DVD player into an Audio-Video system. The simplest of these is described on page 3. This uses Scart-Peritel cables that combine Audio analogue connections for sound, and Video for the RGB image. This connection ensures the optimum image quality (like Y, Pr, Pb). If you cannot use Scart-Peritel sockets, the explanations on this and the following page should enable you to choose the method of connection best suited to the sockets and appliances you have. Sound and image quality depend to a large extent on the types of connections used.

VIDEO sockets and cables (for image)

1 - Component output (Y, Pr, Pb)



RCA sockets and cables for Y, Pr, Pb Video signals, also called Component.

YPrPb sockets deliver an optimum image quality due to the separation of the video signal into three separate components (comparable with RGB separation in a Scart-Peritel cable).

*Note: the video signal available from these 3 sockets depends on the choice made in the **Display** menu (page 29) or that carried out using the **PREV/video** key on the front of your player (page 8). The available signal may be, YUV for an interlaced progressive signal, or Y, Pr, Pb for a truly progressive signal (no frame interlacing).*

In order to obtain the best possible image quality, always use very high quality cables for the connections. Your dealer can provide Y, Pr, Pb cables that are sold together and come in the standard colour codes (red, green and blue) used for these types of sockets and cables.

Note: do not forget to also connect the audio cables, because Component cables only transmit images, and not sound.

2 - S-Video out socket (Y/C)



Ushiden socket and cable for Y/C Video signal, also called S-Video.

The S-Video socket delivers a lower quality video signal than component sockets. An S-Video signal however provides a better quality image than a composite video socket, because colour (C) is separate from black and white (Y) in the video signal.

Note: do not forget to also connect the audio cables, because the S-Video cable transmits images and not sound.

3 - Composite Video Out socket (CVBS)



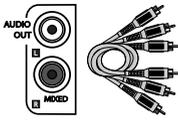
RCA socket and cable for CVBS Video signal, also called Composite.

The yellow video socket is also called composite video, or CVBS. The image quality delivered by the video socket is the least good of all video connections. Only use this socket if all other sockets are already in use.

Connections and initial set up

AUDIO sockets and cables (for sound)

4 - Audio Out L / R

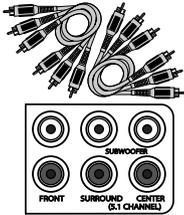


RCA sockets and cables for analogue L and R audio signal.

Analogue sound of a disc being played is permanently available on the two L and R sockets on your player. If you do not use the recommended Scart-Peritel connection to the TV set (paragraph 1 on page 3), you must, in addition to one of the video connections (CVBS ; S-VIDEO ; Y, Pr, Pb) described on page 4, connect the Audio Out L / R sockets on your DVD player of your TV set (or amplifier) to the Audio In L / R sockets.

Note: audio sockets and cables are usually identified by a colour code (white for the left channel and red for the right channel).

To play an Audio DVD on 2 loudspeakers in very high quality stereo, if the Audio DVD provides a 192 KHz/24 bits signal you should use the 2 stereo channels, L and R (marked (4) on page 6).



RCA sockets and cables for analogue audio signal.

5 - Audio Outputs FRONT, SURROUND, CENTER, SUBWOOFER

The analogue 5.1 Surround sound from an Audio DVD in playback is permanently available from these 6 sockets for connection to a 5.1 amplifier. If your amplifier does not have these 6 sockets, use one of the optical (OPTICAL) or coaxial (COAXIAL) digital audio out sockets according to the type of cable and plug available. In such case, you will not obtain multi-channel sound.

Note : for optimum results, use high quality cables and ensure the right and left channels are connected accordingly.



Coaxial socket and cable for digital audio signal.

6 - Optical and coaxial Out sockets

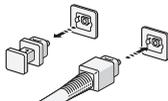
The digital sound from a Video DVD in playback is permanently available at the optical and coaxial sockets on your player. Use one of these sockets by connecting it to a decoder or a DTS or Dolby Digital amplifier. Some of these appliances are equipped with a coaxial In socket (COAXIAL) or an optical In socket (OPTICAL), while others are equipped with both sockets. Choose one of the two connections.

Note: In most cases these two types of connection give similar results; the only difference lies in the type of cable used and the cost of these cables, the coaxial cable being the least expensive one to buy. However it sometimes happens that some coaxial cables are parasitised by high frequency interference caused by household electrical appliances, high voltage electric cables or radio transmitters.



Optical socket and cable for digital audio signal.

Note : when connecting the optical audio digital cable:

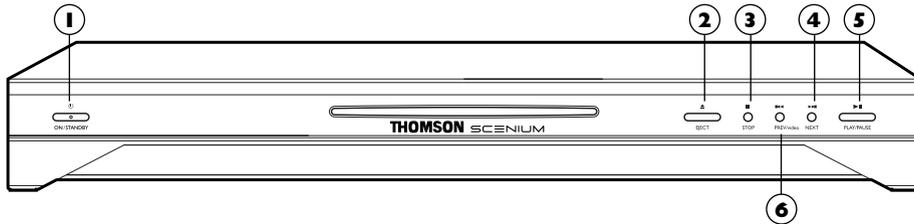


1. Remove the protection cap from the connector and connect it firmly as shown on the drawing.

2. Keep the protection cap and always reattach the cap when the connector is not in use, to keep it dustfree.

Connections and initial set up

Front panel of the player



- ① **ON/STANDBY** - Turns the player on or off. The indicator is green when the player is operating and red when the player is turned off (stand by mode).
- ② **EJECT** - To remove a disc.
- ③ **STOP** - Stops playing a disc.
- ④ **NEXT** - Plays the next chapter (DVD) or track (CD).
- ⑤ **PLAY/PAUSE** - Plays a disc.
- ⑥ **PREV/video** - Skips back to the beginning of the chapter (DVD) or of the track (CD) during playback, or to the beginning of the previous chapter or track.
Note: this key also allows the video output signal to be adjusted (RGB, YUV, YPrPb) depending on the television set or monitor that is connected to your player with 3 Component sockets or the Scart AV 1 socket. Hold down the key for 3 seconds and then select the signal by successively pressing the key to make a selection. The active signal is displayed in the menu of the player alongside the Display function. The S-video signals (Y/C) and composite video (CVBS) remain available on sockets 2 and 3 (see page 6) whatever selection is made

Player display panel



- DVD**
 - VCD**
 - CD**
 - DivX**
- Light up according to the type of disc in the player.
- ▶ : Playback in progress.
 - || : PAUSE mode activated.
 - 00:00:00 : Elapsed time (hours, minutes, seconds) and chapter (DVD).
 - EJECT, LOAD* : Information relating to loading a disc.
 - STOP* : Disc in the player but play halted.

DVD : the **INFO** key on the remote control allows the elapsed time to be displayed as well as the chapter number or current track number.

Connections and initial set up

Initial player set-up

Using the remote control unit correctly

When you use remote control, point the unit at the appliance you want to control (DVD player, TV set or satellite receiver). Ensure that there is no obstacle between the remote control unit and the appliance, otherwise the infrared signal carrying the remote control commands will be blocked. To control your DVD player, ensure that the remote control unit is in DVD mode by pressing once on the DVD key before using any other keys.



Switch on your DVD player and your TV set

1. Turn on your TV set.
2. Set your DVD player remote control unit in DVD mode by pressing once on the **DVD** key.
3. Switch on your player by pressing the **ON/STANDBY** button on the front panel of the player.



4. The first time you turn on your player, it will ask you to select a preferred language for the various displays via the menu which appears on your TV screen. If this menu is not displayed, on your TV screen select the AV socket to which you connected your player. The player menus as well as the dialogues and subtitles of the DVDs will always be presented in the language you've chosen if it is available on the discs played.



5. Choose a language using the **▲**, **▼** keys on the remote control unit, then confirm by pressing **OK**. The player menu is displayed, your player is ready to play your discs. See page 15 or read the 2 following pages before beginning to use your player.

Displays on your player (menus and banners)

- Disc menus – Each DVD disc offers a menu, the layout and order of which depend on the editor of the disc. The main menu of the disc is displayed on the screen when a DVD disc is loaded and play begins. You can also display or remove the main menu of the disc at any time by pressing the **MENU** key.
- Player banners – while a disc is playing back you can display or remove banners using the **INFO** key on the remote control unit. The banners appear in the form of a succession of icons at the top of the screen. The number of icons varies according to context.
- Player menus – your player has menus enabling you to use functions that are not accessible using the remote control unit keys. The player menu is displayed when the player is not playing a disc (in STOP mode).

Note: settings will only function if the corresponding function has been provided by the editor. For instance, if you select the subtitle icon in the banner, subtitles will only appear if they actually exist on the disc. Check the sleeve to see what subtitles are provided. If a menu or icon appears in "grey" it means that the function is not available.

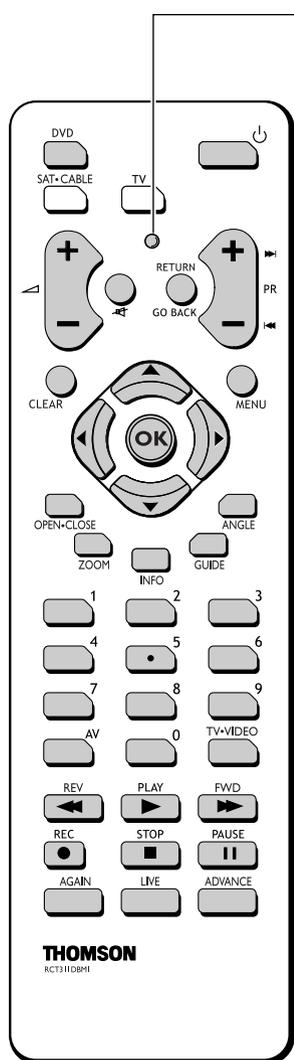
Remote control

The remote control handset supplied with your DTH 720 is a 3 in 1 type remote control. It allows 3 devices to be controlled: your DTH 720, a television set and a satellite or cable receiver. Thus you have remote control of all these devices by using the 3 modes: DVD, TV or SAT.CABLE that are accessed by 3 corresponding keys. This page describes the keys that control your DTH 720 (in DVD mode).

Note: the functions described below depend on the discs and/or the files read.

For description of the TV and SAT.CABLE functions, see the following page.

Description of keys in DVD mode



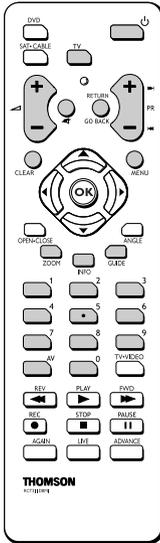
Signal lamp - this shows the status of the remote control when it is being used to program or to control another device. It also indicates that the batteries level is low by flashing several times when a key is pressed.

	Switches the DTH 720 on or off.
DVD	Sets the remote control unit in DVD mode (by pressing once), enabling you to control your DTH 720.
PR 	Skips forward or backward a chapter (DVD) or track (CD).
RETURN	Returns to the previous menu.
MENU	Displays the DVD disc menu while a disc is being played.
CLEAR	Removes the menu or banner showing on the TV screen.
OPEN-CLOSE	To remove a disc.
ZOOM	Enlarges the picture during playback, slow motion or pause mode.
INFO	Displays the DTH 720 information banner on the TV screen while a disc is being played.
GUIDE	Displays a sub-menu on the disc (where available on the disc).
ANGLE	To access a choice of angles of an image if available on the disc. (JPEG) To rotate an image through 90°.
0 to 9	Keys used to enter information such as a chapter or track number; or to make choices from menus.
REV	Fast backward while a disc is being played.
PLAY	Plays a disc.
FWD	Fast forward while a disc is being played.
STOP	Stops disc playing or recording and displays the DVD player menu.
PAUSE	Pause during playback (CD) or pause on an image (DVD).
AGAIN	Skips backward – each press replays the last seconds during DVD playback.
ADVANCE LIVE REC TV-VIDEO	Not used.

Remote control

Using the remote control handset to control your television and satellite or cable receiver

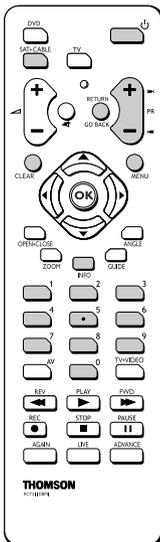
The DTH 720 remote control handset is a 3 in 1 device that allows you to control the operation of 3 devices: your DTH 720, a television set, or satellite receiver. This page describes the keys that control your television set and your satellite or cable receiver if they have the same functions.



Controlling a TV set

- TV** Sets the remote control unit in TV mode (by pressing once) and enables you then to control your TV set.
- Switches the TV set on or off.
- Volume control.
- Switches sound off or on again.
- PR** Switches channel or selects an AV socket.
- AV** Selects an AV socket.
- 0 to 9** Keys enter digital values or change channel.
- MENU** Displays main TV set menu.
- RETURN** Returns to the previous menu.
- CLEAR** Removes menu or other information displayed on the screen.

Note: colour keys enable one to use the teletext function on THOMSON TV sets. The colour keys provide the same functions as the colour keys on the remote control supplied with the unit (for THOMSON group televisions and Cable/SAT receivers).



Controlling a satellite or cable receiver

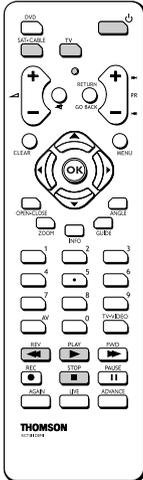
- SAT-CABLE** Places the remote control in the SAT-CABLE mode (press once) and then enables you to control your satellite or cable receiver.
- To turn on or off the satellite or cable receiver.
- PR** Switches channel.
- 0 to 9** Keys enter digital values or change channel.
- MENU** To display the main menu of the satellite or cable receiver.
- RETURN** Returns to the previous menu.
- CLEAR** Removes menu or other information displayed on the screen.

Note: the colour keys provide the same functions as the colour keys on the remote control supplied with the unit (for THOMSON group televisions and Cable/SAT receivers).

Remote control

Programming the remote control

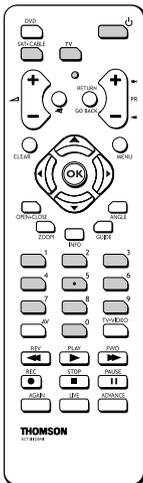
If your remote control does not control your satellite receiver (or cable) or your television set you will need to configure it using one of the two methods proposed: automatic code search or manual programming.



Automatic code search

This method can be used to automatically find the most appropriate code for your appliance.

1. Switch on the appliance you wish to use the remote control with.
2. Press the relevant button for this appliance on the remote control, and while holding this button down, press the \cup standby button until the remote control light comes on. Release the two buttons.
3. Point the remote control at the appliance and press **PLAY**. Wait until the light stops flashing. If the appliance has not gone into standby mode after five seconds, press the **PLAY** button again to continue the search for the next set of codes. Repeat this operation until the appliance goes into standby mode. There are 20 sets of codes.
4. When the appliance goes into standby mode, press the \cup button on the front to switch it on again. Then press the **REV** button to put it back in standby mode, and if necessary, keep pressing until the appliance goes into standby.
5. Press the **STOP** button and hold it down until the remote control light goes off.



Manual programming

This method involves carrying out a manual search for the codes to be used for controlling your other appliances.

1. Switch on the appliance you wish to use the remote control with.
2. Press the corresponding key on the remote control, while holding it pressed down, enter one of the codes corresponding to the make of the device (Thomson Group codes on the bottom left of this page. For other brands, there is a list of codes at the end of this manual).

If the remote control light flashes you have entered the wrong code or it is not possible to program the remote control.

3. Point the remote control at the appliance and press the relevant button. Press the \cup standby button.
If the appliance does not go into standby mode, try another code.

Depending on the year of manufacture and the type of appliance, some functions may not be available.

Certain codes may cover more functions than others. Test the functions you can control and, if appropriate, try other codes.

Note here the code(s) which work best.

TV				
SAT-CABLE				

*Note: when you **change** the remote control's **batteries**, remember to **reprogram** it.*

SAT Codes: 5000, 5001, 5031, 5037, 5043, 5064, 5065, 5066, 5058, 5084.

TV Codes: 1000, 1001, 1002, 1016, 1024, 1033, 1041, 1051, 1089, 1096, 1127, 1128, 1129, 1130, 1134, 1135, 1148, 1151.

Playing a disc

DVD discs you can play



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

Region code numbers of DVD discs

Discs that can be played on your player are ones marked with area code 2 (Europe, Middle East, Republic of South Africa and Japan).

Ensure that any DVD disc you want to load bears area code 2. The **ALL** logo printed on some discs means that the disc can be played on any DVD player.

Note: for your information: the other areas are: - 1: USA, Canada - 3: Southeast Asia, Taiwan - 4: Central America, South America, Australia, Mexico, New Zealand - 5: Russian federation, Africa (except Egypt and Rep. of South Africa), India, Pakistan - 6: China.



- **Audio DVD** - Audio DVD, the latest optical disc format for audio, is recorded on the same disc medium as video DVD. It consists in an optical DVD on which 5.1 multichannel digital sound (corresponding to 6 channels) is recorded, together with very high quality stereo sound.

Note: unlike Video DVDs, Audio DVDs do not have a Region code. You can therefore buy Audio DVDs anywhere in the world.

- **DVD Plus** - This is an audio DVD containing stereo tracks which are compatible with CD players.



- **DVD+/-R, DVD+/-RW** - Most DVD-R and DVD+R (one recording only), and DVD-RW and DVD+RW discs (rewritable). Recordings on DVD-R and DVD-RW discs must be made in Video DVD mode. Recordings on DVD+RW discs must be made in accordance with the specifications for the 4.7 Gb capacity DVD+RW disc format. Compatibility is dependent on which DVD writer, writer software and discs are used.

Playing a disc

Other readable discs



- **Audio CDs** - 12 cm audio CDs.



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



- **Super Video CD (SVCD)** - Most S-VCD discs conform to the IEC 62107 standard. They can be used to record up to 70 minutes of digital sound and video, with MPEG-2 standard video and MPEG-1 standard audio. S-VCD disc compatibility is dependent on which MPEG coding software, disc design software and disc writer software are used, and the discs themselves.

Note: Despite considerable progress made in providing compatibility with as many different discs as possible, reading of discs not conforming to Audio CD, Video CD and Super Video CD (S-VCD) disc standards cannot be guaranteed).



- **CD-R, CD-RW** - Most CD-R (one recording only) and CD-RW discs (rewritable). Compatibility is dependent on which DVD writer, writer software and discs are used.

The files which your player can read



- **JPEG files** - Discs containing images in JPEG format. Compatibility is dependent on the disc creation software used and file sizes, stated in millions of pixels. Certain JPEG files such as Progressive JPEG files cannot be read by this equipment.



- **MP3 files** - Discs containing sound files in MP3 format.



- **WMA files** - Discs containing sound files in WMA format.



- **DivX files** - Discs containing audio and image files in the certified DivX format.



Note: Before loading a disc in the player, check that it is compatible. Also, refer to pages 36 and 37 for our recommendations concerning discs and formats.

Playing a disc

Loading and playing a disc (12 cm)

Switch on your TV set and DVD player.

Note: if other devices are connected to your television set and/or DVD player, it is generally preferable to turn off the devices that are not in use.

1. If the player menu is not displayed on TV screen, select the TV set Scart Peritel socket to which you connected your player (see page 3).

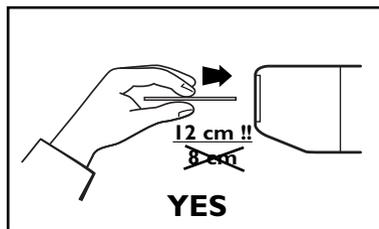
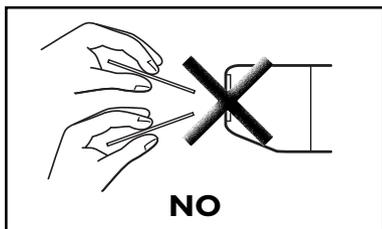


Note: this menu is the main menu of your player. It is displayed on your television screen as soon as the player is turned on if the player is connected to the television set via the AV1 connector. After several minutes this menu is replaced by a moving DVD logo (screen saver). To redisplay the main menu of your player press a key ◀. The functions of this menu are detailed on page 24.



2. Gently insert a disc in your player's slot, ensuring that it is completely horizontal. It is normal for you to feel slight resistance. When approximately half of the disc is inserted, the disc is drawn automatically inside the player. The disc label must face upwards (double sided discs have a small label on both sides around the centre).

Note : if you experience any problems when inserting a disc, switch off your player and then switch it on again; then reinsert the disc.



3. According to the type of disc one of three things may now happen:

- disc playback starts,
- the disc menu appears, asking you, for instance, to choose the language of dialogues, subtitles, etc., or to start playing the disc. Make your choice using the four navigation keys ▲, ▼, ◀, ▶, and validate by pressing **OK**.
- The main player menu appears. Using the navigation keys ▲, ▼, select **Play** and press **OK**. Playback then starts.

*Note: if you have selected a restriction level and/or if you have selected **Password Required** for the **Unrated Titles** function, your player will then ask you to enter your password. To de-activate these functions see page 26.*

Playing a disc

Search Options

Note: the functions described below depend on the discs and/or the files read.

Quick search of an image or a track

In Play mode, start the Forward or Reverse fast motion playback using the **FWD** (forward) or **REV** (reverse) keys. Press once or several times for higher speeds. To resume normal playback press **PLAY**.

Still picture and frame advance

During playback press **PAUSE** once to freeze the image. Press **PAUSE** again to go into “frame” mode (the **PAUSE** icon is then replaced by the **FRAME** icon on the TV screen). Press **FWD** or **REV** to view images one after the other forward or backward. To resume normal playback press **PLAY**.

Note: If the player is left in pause mode for a long period with a DVD or a VCD, the home screen comes on. Press any key on the remote control unit to resume display of the image transmitted from the disc.

Slow motion (in Pause mode on an image)

During playback press **PAUSE** once to freeze the image. Press **FWD** or **REV** to view images in slow motion forward or backward. Press once or several times for higher speeds. To resume normal playback press **PLAY**.

Skipping a chapter or a track

During playback you can access the following or previous chapter (or track) by pressing **PR** ► and/or **PR** ◀ on the remote control unit.

*Note: Forward or backward skips can also be made by using the **PREV** and **NEXT** keys on the player.*

Playback options

Enlarging an image (zoom)

During playback press the **ZOOM** key once or repeatedly. Move the zoomed image around using **▲**, **▼**, **◀**, **▶** to view a particular spot. If this does not work, try again after pressing **PAUSE**. To resume normal playback press the key several times to return to the original format.

Scene Again™

During playback press **AGAIN** on the remote control unit. Each touch of the key steps back few seconds of play.

Note: the play functions depend on the type of disc being played. With certain discs some functions are not available.

Playing a disc

Using the information banner

The information banner appears at the top of the screen when you press **INFO** on the remote control unit while a disc is being played. Use the **◀** and **▶** keys to select the various icons. When an icon is activated (highlighted), follow the instructions on the screen and use the **▲** or **▼** keys to browse for options.

You can only access information banners when a disc is being played. The options on an information banner are only available if the disc has been designed to incorporate those options. If an icon is inactive (does not light up) it means that the function is not available for the disc being played.



This symbol appears on the screen when a command is incorrect (prohibited, function not available). To remove the information banner, press the **INFO** key on the remote control unit.



Information banner with a video or audio DVD

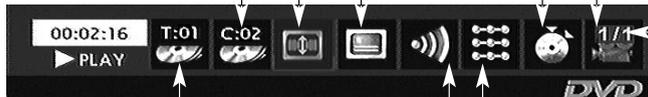
To reframe the DVD image according to the screen format of your TV (page 18).

Chapter (Video DVD) or Track (Audio DVD) currently being played (page 18).

To choose the subtitle language (whether available on the disc) (page 20).

To memorise and use the markers (page 20).

To change the viewing angle (Video DVD) (page 20).



To browse the images associated with an Audio DVD.

Title (Video DVD) or Group (Audio DVD) currently being played (page 18).

To choose the dialogue language and audio format (whether available on the disc) (Video DVD) (page 20).

Play modes: to select a play mode (Standard, Program) (page 19), and to repeat play of a title, a chapter, a scene (page 19).

To choose between stereo or 5.1 multichannel sound for an Audio DVD

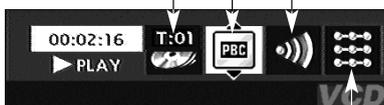
Information banner with a VCD, SVCD, DivX discs

To select the PBC function (whether available on the disc) (page 20).

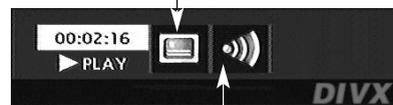
Title currently being played (page 18).

To select the audio channel Stereo, Left, Right.

To choose the subtitle language (whether available on the disc) (page 20).



Play modes: to select a play mode (Standard) (page 19), to repeat the playback of a disc or a track (page 19).



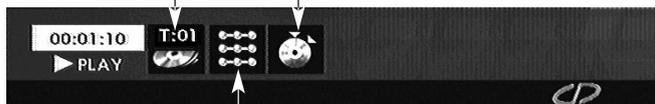
To choose the dialogue language and audio format (whether available on the disc) (page 20).

DivX: depending on the disc

Information banner with an Audio CD disc

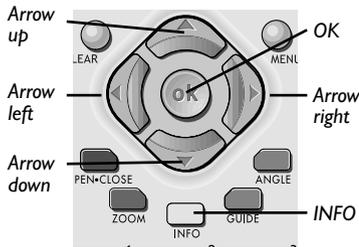
Track 1 currently being played (page 18).

To memorise and use the markers (page 20).

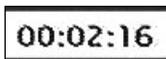


Play modes: to select a play mode (Standard, Random) (page 19), to operate repeat play of a disc or a music track (page 19) and Intros can to play the first 10 seconds of each track (page 19).

Playing a disc



To access the information banner (only with DVD, VCD, SVCD or CD Audio discs), press **INFO** on your remote control unit during playback. Use arrow keys **◀** and **▶** on the remote control unit to select the various icons. When an icon is selected it is highlighted. The line under the banner is an information and instruction line. When small arrows appear above and below the selected icon these point to other possible options. Now use the **▲** and **▼** keys to scroll through the various options.



Timer

This icon shows the time elapsed since the start of playback. The time displayed is that of the title of a DVD disc (or of the track on a CD disc) during playback. The timer provides direct access to a scene or a musical passage by keying in the starting time.

Select the time elapsed icon and use the numbered keys on the remote control unit to access the place from which you want to play back. Use two digits for each field. For instance, if you enter 01:35:12, you will access the sequence beginning 1 hour, 35 minutes and 12 seconds after the start of the title.

Note: For audio CDs and VCDs, the timer refers to the track currently being played.



Title (Video DVD), Group (Audio DVD) or Track (CD, VCD)

Most DVD discs only contain one title. However some discs may contain several titles each of which is itself divided into several chapters.

To choose a title, select icon **T**, then use the **▲** or **▼** keys to scroll the titles or tracks. Use the numbered keys on the remote control unit to access a particular title or track.



Chapter (DVDs)

Most DVD discs contain several chapters (similar to the tracks of audio CDs).

To choose a chapter, select icon **C**, then use the **▲** or **▼** keys to scroll chapters. Use the numbered keys on the remote control unit to access a particular chapter.

Note: follow your progress below the banner.

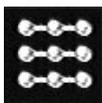


Screen fit (DVDs)

You can change the size of the image on the TV screen during playback of certain DVD discs.

To change the size, select the Image Format icon, then use the **▲** or **▼** keys.

Playing a disc



Standard play



Random play



IntroScan

Play modes

Your player has several play modes according to the type of disc played: Standard play which follows the order of the tracks, titles and chapters on the discs; Random play which plays the sequences or music tracks in a random order; Programmed play which allows you to choose the sequences or music tracks and the order in which they are to be played; Automatic play enables a disc to begin playing as soon as it is inserted in the player. The play mode icon can be accessed from the information banner when a CD or VCD disc is in play.

The IntroScan function enables you to listen to the first few seconds of each track of an audio CD.

*Note: when the first few seconds of all tracks have been played the player goes into Stop. To stop IntroScan press **PLAY** to continue play and listen to the whole track, or press **STOP**.*

While a disc is being played, press **INFO** (the information banner is displayed). Press the **<** or **>** buttons to select the playback mode icon. The icon changes according to the mode selected, as does the text area in the information banner:

DVD discs: Standard – A-B Repeat - Chapter Repeat – Title repeat (if available on disc being played) - Program.

Audio CD discs: Standard - IntroScan - Track Repeat - Disc Repeat - Random - Program.

VCD discs: Standard - Track Repeat - Disc Repeat.

Discs containing mp3/WMA music files: Standard – Disc Repeat - Folder Repeat – Track Repeat – Random - Program. See page 21.

JPEG discs: See page 22.

mp3 – JPEG discs: See page 21.

Note: the standard mode is reactivated for any new disc loaded in the player. The programme mode only works if you have keyed in a programme (see page 25).

Repeat playback of a scene between two points A and B (DVD - VCD - SVCD)

A-B Repeat mode allows you to select exactly the sequence you wish to repeat.

1. Select the repeat playback function using the **▲** or **▼** keys. **A-B Repeat** appears under the banner.
2. Press **OK** to memorise the beginning of the scene you want to repeat (point A).
3. Wait a few seconds before pressing **OK** again to mark the end of the scene to be repeated (point B). **A-B Repeat** appears to tell you that the repeat playback of the sequence is starting. To stop repeating, select a different mode using the **▲** or **▼** keys or press **STOP**.

Note: Repeat functions remain active until you turn them off, open the disc tray or turn off the power. Repeat play only works with discs that show the elapsed time on the display. This may not work correctly with certain discs (Video CDs in PBC mode).



Repeat playback functions



Playing a disc



Selecting the language of subtitles



Selecting the language of dialogues



Sequence marking



Reading or deleting a marker



Inserting a marker



Selecting a play mode



Changing camera angles



Browse

Languages of sub-titles and dialogues (DVD)

1. While a disc is being played, press **INFO** to display the information banner.
2. Press **➤** until the icon is highlighted.
3. If they are available on the disc, choose the language of the sub-titles or the dialogue using the **▲** or **▼** keys. The name of the selected language appears under the banner.

Note: selecting the language of subtitles only involves the disc being played. If you remove the disc or if you switch off the player your selection will be cancelled. In this case the default language, chosen when your player was first installed, will be reactivated. If the preferred language is not available on the DVD disc the preferred language of the disc (default language) will be selected automatically. With some discs you can only access the dialogue or sub-title languages through the menu provided on the disc.

Sequence marking (DVDs)

This function enables you to mark sequences on a disc so that you can access them easily even if you switch you player off and on again (without having ejected the disc).

You can mark up to 6 scenes per disc.

1. While a disc is being played, press **INFO** to display the information banner.
2. Press **➤** until the **marking** icon is highlighted.
3. Press **OK** to display the marking banner.
 - To find a sequence, select the half disc and press **OK**. The half disc symbol is replaced by an arrow and a dustbin. The timer shows the place marked.
 - To play a scene with a marker, select the arrow and press **OK**.
 - To delete a marker, select the dustbin and press **OK**.

PBC - Playback control menu (Video CDs)

This function enables you to make interactive selections of some scenes or information through an on-screen menu. Moreover high resolution scenes can be viewed if they are included on the disc. During playback press **INFO** (the information banner appears). Press **◀** or **➤** to select the PBC icon. Uses the **▲** or **▼** key to see other screens or deactivate the functions on offer.

Camera angles (Video DVDs) or Browse (Audio DVDs)

A few DVD discs contain scenes shot from various different angles. If a disc being played back offers different camera angles the icon in the banner will show the number of the angle on the screen. With the disc in playback, press **ANGLE** on the remote control unit and choose the angle using the same key or the **▲** or **▼** keys .

Note: if the scene is only recorded in one angle the invalid command symbol  appears for a moment.

What is contained on Audio DVDs depends on their publishers. The icons displayed in the functions banner may therefore vary. More information about Audio DVD discs is provided on page 37.

Playing a disc

Playing images (JPEG), and sounds (mp3,WMA) files

Your player can play JPEG files with a resolution of up to five million pixels. However beyond 400,000 pixels there is no perceptible improvement in the quality of pictures displayed on your TV screen.

mp3 and WMA are compressed audio file formats that make it possible to store a large quantity of sound tracks on a disc. Files can be grouped in folders (albums) in the same way as files and folders in your computer. A folder can thus contain other folders. WMA (Windows Media Audio) was developed by Microsoft™.



Playing sound files (mp3 or WMA)

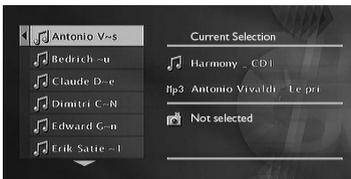
1. Load a disc and begin play. The list of files is displayed. The reader reads the contents of the disc, then displays a contents menu.
2. Select a folder using the ▲ or ▼ keys on the remote control unit and press **OK**. The list of files contained in the folder is displayed.
3. Select a file using the ◀, ▶, ▲ and ▼ keys on the remote control unit and press **PLAY**.

Playback of files begins with the file selected and continues with the following files. Where there are sub-folders in the folder, these are also played. Playback then moves to the next folder located at the same level in the tree diagram as the folder containing the first file you selected.

4. Stop playback using the **STOP** key.

Simultaneous JPEG and mp3 or WMA play (images and sound)

Your player enables you to play images and sounds on a same disc simultaneously.



1. When a disc is loaded and the disc menu is displayed on the screen, use the ◀, ▶, ▲, ▼ keys and **OK** to select (and / or open a folder), and then to select an mp3 sound file. The name of the selected piece appears in the “**Current Selection**” area of the screen (🎵).

2. Press ◀ (once or twice) to return to the disc menu.
3. Use the ◀, ▶, ▲, ▼ keys and **OK** to select (and / or open a folder), and then to select a JPEG image file. The name of the selected photograph appears “**Current Selection**” area of the screen (🖼️).

4. To start play press **PLAY**.

*Note: cancel a selection by pressing **CLEAR**. If playback of an audio file ends before the end of the sequence of pictures, it will resume at the start of the folder containing the chosen audio file until the end of the sequence of pictures.*

*During simultaneous play, only the picture can be changed by using the **PR▶** or **PR◀** keys.*

You can adjust the speed of the slide show using the ▲ or ▼ keys.



Playing a disc

Playing image files (JPEG)

1. Load a disc and begin play. The list of folders (and / or photographs) is displayed.
2. Select a folder using the **▲** or **▼** keys on the remote control unit and press **OK**. The list of files contained in the folder is displayed.
3. Select a file using the **◀**, **▶**, **▲** and **▼** keys on the remote control unit and press **PLAY**. The picture sequence begins. The information banner showing both Sound (mp3) and image (JPEG) files appears. After a few seconds the first image selected is displayed and the banner disappears. To recall the banner press **INFO**.

Adjusting the speed of the image sequence



Display the banner using the **INFO** key, then use **▲** or **▼** to select one of three speeds. This adjustment does not alter the display time between images but only the length of time each image is displayed.

Changing images

During the picture sequence change images using the **PR ▶▶** or **PR ◀◀** keys on the remote control unit. According to the type of image (Ko or Mo) the change may take several seconds.

Rotating an image

If an image is displayed sideways, you can rotate it through 90° using the **ANGLE** key on the remote control unit.

Enlarging an image (zoom) and Pan and Scan function

To view a detail press **ZOOM** once or several times and use the **◀**, **▶**, **▲** and **▼** keys. Return to normal size picture by pressing **ZOOM** several times or by pressing **PLAY** to resume the picture sequence.

To stop the picture sequence and return to player menu

Press **STOP** or press **MENU** several times

Playing a disc

To play DivX files

Your player is an Official DivX Certified™ product that Plays DivX®5, DivX®4, DivX®3, and DivX®VOD video content, in compliance with DivX Certified™ technical requirements.

The correct playing of DivX in your player, depends on the preparation and production of the audio and video files, the codecs used, the type of recording equipment employed and the parameters of your computer. It is therefore possible that you cannot play a DivX file or that part or all of it is defective. It can also sometimes happen that you can play the images (video) but not the sound (audio). To guarantee playback of DivX files the audio must be mp3 format. DivX Certified devices can play back any interleaved mp3 audio at any bitrate, both CBR and VBR. The audio must be sampled at standard frequencies, such as 32 khz, 44.1 khz, and 48khz, and must conform to the AVI file specification. Apart from mp3, the audio formats recognised by your player are MPEG layer 1/2, AC3, DTS, PCM. Formats such as AAC and Ogg Vorbis are not supported by this player.



To play DivX files



1. Put in a disc and start the player. The player analyses the contents of the disk and then displays a context menu.
2. Select the DivX file that you wish to play with the **▲** or **▼** keys on the remote control and press **OK** to select it.

*Note: to de-select the choice press the **CLEAR** key on the remote control or select another title and confirm it using the **OK** key.*

3. Press **PLAY** to begin playing it.

To rent (purchase) DivX® VOD files

DivX VOD files are comparable to DVD video rental discs and permit a video film to be viewed. The difference lies in the access to the media. DivX VOD files are downloaded after paying a rental from certain commercial Internet sites. In order to permit the downloading of VOD you need to input on the purchase form of the site, the registration number of your DVD player.

To find the registration number of your player, follow the instructions below.

1. With a disc in the tray but not playing, select **Play Mode** from the player menu.
2. In the **Play Mode** menu, select **DivX**. The registration number is displayed on the screen of the television set.
3. Write down this VOD 8 character recording number, in order to complete the form on the web site where you purchase your DivX® VOD files.

Note: If you cannot play a DivX VOD file, recorded on a CD-R disc after downloading, it is possible that the rental period allocated during purchasing from the web site has expired. It may also be that the recorded file is incompatible with your player because of different versions or incorrect download parameters. The parameters used during the copying to CD-R may also be a cause. 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 a specialised web site such as www.divx.com/vod.

Concerning DivX files

You can find DivX files for download as well as generating them your self from your own content. In the same way as mp3 files are used for audio, DivX and mpeg4 can be used for video. Files can be recorded from your computer on to a CD-R or RW disc, which, owing to the much higher compression than that used for DVDs can contain a complete movie.

The DivX, XviD and RV9 formats are all file formats using the same type of compression known as MPEG-4. Though these formats all utilize a different codec.

A note on copying: before making use of DivX or mpeg4 files, please be sure of their origin and that you have legally purchased or rented the content. 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 applicable laws.

Menus

Menus on your DVD player (basic principles for use)

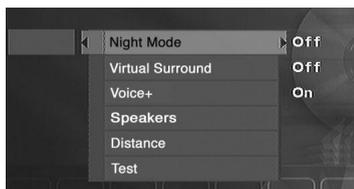
The functions of your DVD player are not all accessible directly through the remote control or front panel keys. A certain number of functions are accessible through menus that you can display or remove as you wish. These menus are used as follows.



The player menu appears when the player is in **STOP** mode.

Player menu

The player menu appears when no disc is being played. When a disc is being played, press **STOP** to stop play. The player menu then appears. Use navigation keys **<**, **>**, **▲**, **▼** on the remote control unit to highlight the desired function. Then press **OK** to validate your selection and start the function or access the next menu.



The **Sound** menu is an example of a sub-menu. The arrows point to other available functions

Sub-menus

Sub-menus are indicated by an arrow on the right, telling you that the line shown is not the name of a function but that of another menu. To access it, highlight the name of the sub-menu and press **OK** on the remote control unit. The sub-menu appears to the right of the previous menu.

The **Sound** menu is an example of a sub-menu. When the **Sound** line is highlighted, press **OK** (the functions of the sound menu appear in another menu).



Functions within menus

Lines without arrows are functions that can be accessed directly by validating with the **OK** key. These functions can be used in two ways:

- The function starts working after validation with the **OK** key.

The **Resume Play** function is an example. When **Resume play** is highlighted, press **OK** (replay begins and the menu disappears).

- After validation with **OK** the function offers two choices, usually **On** and **Off**.

The **Virtual Surround** function is an example. When **Virtual Surround** is highlighted press **OK** to change the setting from **Off** to **On** and vice-versa.

Play menu



Your player has several Play modes: Standard play which follows the order of the tracks, titles and chapters on the discs; Random play which plays the sequences or music tracks in a random order; Programmed play which allows you to choose the sequences or music tracks and the order in which they are to be played; Automatic play enables a disk to begin playing as soon as it is inserted in the player. The available function differ according to the disc loaded in the player.



Start

The default play mode of your DVD player is the standard play, which follows the order of tracks, titles and chapters on the disc, as they were installed at the time of manufacture, beginning with track or chapter no. 1.

Random play (CDs - mp3 - WMA)

Random play mode plays the sequences or music tracks in a random order.

1. If a disc is playing, press **STOP** to stop play.
2. Press **▼** to highlight **Play Mode**, and press **OK**. Press **▼** to highlight **Random play**, then press **OK**.
3. To stop random play, press **STOP** twice. To **Resume Play** press **PLAY**.

Programming playback (Program Play) (DVDs - CDs - mp3 - WMA)

To program the playing of a disc, you must create your playback list. The player menu must be displayed. If it is not displayed press **STOP**. Select **Play Mode** and validate by pressing **OK**. Select **Program Play** and validate with **OK**. Choose the tracks you want to play using the **▲** and **▼** keys, then validate with **OK**. To cancel a programme press **CLEAR**. Start the programmed play by pressing the **PLAY** key on the remote control.

Automatic playback (AutoPlay)

You can adjust your player so that it plays a disc as soon as it is inserted. The player menu must be displayed. If it is not displayed press **STOP**. Select **Play Mode** and validate with **OK**. Highlight **AutoPlay** using the **▼** key and validate with **OK** (**On** appears beside the **AutoPlay** menu). To go from automatic play to stop, press **OK** again when **AutoPlay** is highlighted.

Note: Automatic play cannot be used with mp3 discs.

IntrosCan (CDs)

Select **IntrosCan** and press **OK** to listen to the first seconds of each music track on an Audio CD.

Menus

Lock menu

Your player makes it possible to set ratings limits to playing discs and to lock playback for discs that contain information or scenes that exceed the ratings limit you have set. This function allows you, for instance, to control the type of matter a child can watch. A padlock in the **Parental Control** menu shows whether the player is locked or unlocked.



Locked: You must enter a password (code) in order to play discs that exceed the ratings limit you have set. When the player is locked nobody can access the lock menu without entering the code.



Unlocked: No code is needed to play discs. Even if you have set a ratings limit discs will not be blocked while the player is unlocked.

Locking your player



1. If a disc is being played, press **STOP** (the player menu appears).
2. Press **▼** to highlight **Parental Control** and press **OK**.
*Note: the first time you access the **Parental Control** menu your player will ask you to enter a code.*
3. **Lock** is highlighted, press **OK** on the remote control unit.

4. Press the **▲** key to select **On** and confirm it with the **OK** key (the password entry screen is displayed).
5. Using the numbered keys on the remote control unit enter the code (4 digit number) and press **OK**. Another screen appears asking you to confirm the code. Key in the same code number and press **OK** (if necessary, press **◀** to return to the previous menu).

*Note: Once the player is locked you will have to key in the code each time you want to access the **Parental Control** menu.*

The player is supplied without any ratings limit setting. If you want to prohibit playback of certain discs you will have to set a ratings limit (see following page for instructions).

Unlocking you player

1. If a disc is being played, press **STOP** (the player menu appears).
2. Press **▼** to highlight **Parental Control** and press **OK**.
3. Using the numbered keys on the remote control unit, key in the 4 digit number of your code and press **OK**.
4. **Lock** is highlighted, press **OK** on the remote control unit.
5. Press the **▼** key to select **Off** and confirm it with the **OK** key (the password entry screen is displayed).

Menus

Changing a code

1. If a disc is being played, press **STOP** (the player menu appears).
2. Press **▼** to highlight **Parental Control** and press **OK** (if requested to do so key in your code; the **Parental Control** menu appears).



3. Press the **▼** key to highlight **Password** and press **OK** (a screen for entering the new code appears).
4. Using the numbered keys on the remote control unit, key in the 4 digit number you have chosen as your new code and press **OK**. You will then be asked to confirm the new code. Key in the same password number and press **OK** (if necessary, press **◀** to return to the previous menu).



Ratings limits

Your player provides ratings limits on a scale of 1 to 8. The **Ratings limit** function does not work if the disc being played does not have a rating limit. In Europe ratings limits are as yet uncommon on DVD discs on sale.

Setting a rating limits

1. If a disc is being played, press **STOP** (the player menu appears).
2. Press **▼** to highlight **Parental Control** and press **OK** (if requested to do so key in your code; the **Parental Control** menu appears).



3. Press **▼** to highlight **Rating limits** and press **OK**.
4. Use **▲** or **▼** to move the setting bar to the desired level.
5. Press **OK**.
6. To return to the player menu, press **◀** until the menu is displayed on the screen.

Discs without rating limits

We often feel that some DVD discs ought to have a ratings limit. Unfortunately few discs in Europe have one. You can however restrict viewing of such discs by means of the **Unrated Titles** function by ticking the **Password Required**, option and then locking the player as described on page 20. When this is done the password will be requested before playing any DVD disc, including those that would not normally need a restriction.

Menus

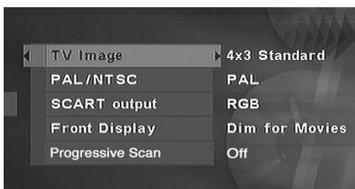
Display menu

The **Display** menu provides you with settings to adapt the picture format and TV standard (PAL/NTSC) to that of your TV set. You can also adjust the brightness of the player's display panel and activate the Progressive Scan function.

TV Image menu

The **TV Image** menu allows you to set the image format (4x3, 16x9, etc.) of films according to the format of your TV screen.

1. If a disc is being played, press **STOP** (the player menu appears).
2. Press **▼** to highlight **Display** and press **OK** (The **Display** menu appears giving a choice of options).



3. **TV Image** is already highlighted; press **OK** (the settings of the image format are shown).

4. Use the **▲** or **▼** key to highlight one of the three formats described below, then press **OK**.



4 x 3 Standard

- **4 x 3 Standard** – Select this setting if you want the film to fill the whole of the screen. In this case the left and right edges of the image will not be visible.



4 x 3 Letterbox

- **4 x 3 Letterbox** – Select this setting if you want to watch films in their original format (height/width ratio). You will then view the whole image, but it may fill a smaller area of your screen. The film might appear between black bars at the top and bottom of the screen.



16 x 9 widescreen

- **16 x 9 widescreen** – Select this setting if your DVD player is connected to a 16x9 TV set. If you select this setting for a TV set with a different screen size, the images may appear deformed due to vertical compression of the image. When a DVD disc with a 4x3 image format is played vertical black bands appear to the left and right of the image.

Menus

PAL or NTSC TV sets

If the picture on the DVD being played appear in black and white on your TV screen, the standard of the video signals transmitted to your TV is incorrect. Change the video signal from PAL to NTSC or vice versa.

Select **PAL/NTSC** then with the **OK** key choose **PAL** or **NTSC**.

PAL is the name of the colour coding system used in most European countries.

NTSC is the name of the colour coding system used in the United States and some other countries.



Scart output

See the paragraph below on **Progressive Scan**.

Front Display menu

Depending on the brightness of the room where you've installed your player, select one of the 4 settings to adapt the brightness of the display panel to suit its environment.

1. If a disc is being played, press **STOP** (the player menu appears).
2. Press **▼** to highlight **Display** and press **OK** (The **Display** menu appears giving a choice of options).
3. Press **▼** to highlight **Front Display** and press **OK** (The **Front Display** menu appears giving a choice of options).
4. Use keys **▲** or **▼** to highlight one of the four available options and press **OK** to validate your choice.
 - **Always Bright**,
 - **Always Dim**.
 - **Dim for Movies** (dimmed lighting during replay of a disc),
 - **Off for Movies** (no display during replay of a disc),
5. To return to the player menu, press **◀** until the menu is displayed on the screen.

Progressive Scan

To display images on a TV, or monitor (plasma, LCD...) equipped with a **Progressive Scan** function, you must start this function on your player after having connected your TV to the 3 COMPONENT connectors (Y, Pr, Pb) of your player.

1. If a disc is being played, press **STOP** (the player menu appears).
2. Press **▼** to highlight **Display** and press **OK** (The **Display** menu appears giving a choice of options).
3. Press the **▼** key to highlight **Scart output** and press the **OK** key.
4. Use the **▲** or **▼** keys to highlight **YUV** and press the **OK** key to confirm your selection.

*Note: the terms **YUV**, **COMPONENTE (COMPONENT)**, and **Y, Pr, Pb** all designate the same function. The designation is different according to the context (video signal, type of video output, connector names).*
5. Return to the **Display** menu by pressing the **◀** key once.
6. Use the **▲** or **▼** keys to highlight **Progressive Scan** and press the **OK** key to confirm your selection.
7. To return to the player menu, press the **◀** key until the menu is displayed on the screen.

Menus

Sound menu

The **Sound** menu provides you with settings so you can adapt your player to the devices connected. It also enables you to access specific functions.

Night Mode

This function is designed for night-time listening to avoid disturbing your neighbours. The player then adjusts the differences in sound levels through dynamic compression. It then becomes easier to hear the soft sounds while the louder sounds are dampened.

1. In the player menu (with the player running, but no disc in play), highlight the **Sound** function and press **OK** on the remote control unit (the **Sound** menu appears).
2. **Night Mode** is already highlighted, press the **OK** button on the remote control or use the **►** button to display the parameters screen.
3. Select **Moderate**, **Quiet** or **Off** with the **▲** or **▼** button and confirm with **OK**.

Note: the performance of this function depends on the appliances connected to your player and on the sound format of the disc being played.

Virtual Surround

This function enables you to simulate, on the L and R audio channels of your TV set (or stereo amplifier), the multi-channel sound effects of a Dolby or DTS film.

1. In the player menu (with the player running, but no disc in play), highlight the **Sound** function and press **OK** on the remote control unit (the **Sound** menu appears).
2. Press **▼** to highlight **Virtual Surround** and press **OK** on the remote control unit.
3. Select **On** with the **▲** or **▼** key and confirm with **OK**.

Voice +

This function enables you to increase the sound volume of the central audio channel.

1. In the player menu (with the player running, but no disc in play), highlight the **Sound** function and press **OK** on the remote control unit (the **Sound** menu appears).
2. Press **▼** to highlight **Voice +** and press **OK** on the remote control unit.
3. Select **On** with the **▲** or **▼** key and confirm with **OK**.

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

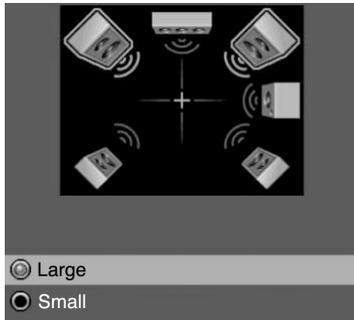
Dolby Digital is a sound compression technique developed by Dolby for multi-channel digital audio signals. The Dolby Digital system enables any audio channel configuration, from a stereo sound (2 channels) up to the digital "surround" sound 5.1.

«Dolby Digital» and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Copyright 1992 Dolby Laboratories Inc. All rights reserved.

Menus

Speakers

This function is provided for adjusting the bandwidth of the six 5.1 outputs according to the loudspeakers actually connected to the amplifier.



1. From the player menu, highlight **Speakers** and validate by pressing **OK**.
2. Select **Front, Center, Subwoofer, Surround** using the **▲** or **▼** key and validate by pressing **OK**.
3. Select the size of your loudspeakers (or select **None** if you do not have the loudspeaker(s) concerned) using the **▲** or **▼** key and validate by pressing **OK**.

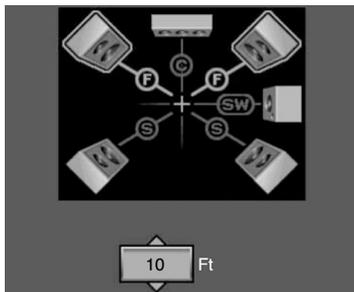
*Note : selection of **Small** is intended for small loudspeakers which cannot correctly reproduce low frequencies. In such case the low frequencies are fed into the subwoofer.*

Note : certain unsuitable choices are "rejected" by your player which interprets your intention and suggests an optimised configuration.



Distance

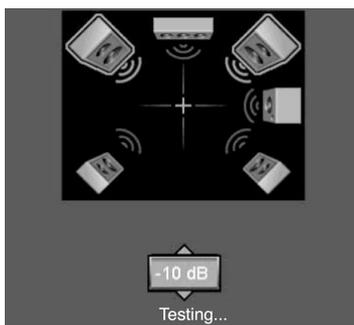
This function is used to specify the distance between the various loudspeakers and the listener.



1. From the player's menu, highlight **Distance** and validate by pressing **OK**.
2. Select **Front, Center, Surround** using the **▲** or **▼** key and validate by pressing **OK**.
3. Adjust the distance using the **▲** or **▼** key and validate by pressing **OK**.

Test

This function is used to adjust the volume level of the various loudspeakers in order to compensate for their differences in acoustic efficiency. Switch on your amplifier and adjust the volume to a sufficient level to be able to hear the test signal generated by your DVD player. Then sit in the position from which you will be viewing your DVDs (armchair, sofa,... symbolised by the cross on the screen).



1. From the player's menu, highlight **Test** and validate by pressing **OK**.
2. In the screen which is displayed, the loudspeaker to be adjusted is identified for a few seconds by a colour contour. Use this automatic selection to adjust the volume of that loudspeaker by increasing or decreasing the volume of the test signal (background hiss).

3. Adjust the volume level using the **▲** or **▼** key.

Note : - 10 dB corresponds to the lowest volume level, and 0 dB is the highest volume level. First of all, adjust the volume in order to hear the sound at the same strength from all the loudspeakers. You may need to readjust these settings after having watched a few films, to suit to your own personal preferences.

Menus

Language menus

Your player gives you a selection of languages to choose from. You can change the language of the player menus, the language of the disc menus, the language of the dialogues and that of the subtitles. In the menu, choose your preferred language for dialogues and subtitles. If it is available on the DVD you will be playing, it will be selected automatically. The default language is the one which is selected in the main menu. During playback, you can display or remove the subtitles and change the language of the subtitles using the banners.

The **Languages** menu enables you to set preferred language options for:

- player Menus,
- disc Menus,
- Audio dialogues,
- Subtitles.

The method of selecting a language is the same for all **Language** sub-menus.



1. In the player menu (with the player running, but no disc in play), highlight the **Languages** function and press **OK** on the remote control unit (the **Languages** menu appears).

2. Press **▲** or **▼** to highlight the desired setting, and press **OK** on the remote control unit (a screen giving the list of available languages appears).



3. Press **▲** or **▼** to select a language, and press **OK** on the remote control unit to validate.

Further information

Troubleshooting guide

You will be able to solve most problems involving your player by referring to the troubleshooting guide below.

Note: if you encounter difficulties, you can contact our Help-line by dialling the following number:



THOMSON HELPLINE

You can contact THOMSON by dialling: 0871 712 1312
(For Great-Britain, all calls will be charged 0,10£ / mn)
www.thomson-europe.com



The player does not work at all

- Switch the player off and remove the plug from the mains socket. Wait for two minutes, then plug it in again.

The player does not switch on

- Check the connections to the mains supply. Is the mains socket live? Check this by plugging in a table lamp. If necessary, check the plug fuse and the fuse-box.

The player switches itself off automatically

- The DVD player switches off automatically after 30 minutes if it is not running. To switch it on again, press the **ON/STANDBY** button on the front panel of the player.

The disc does not run

- In the case of single-sided discs, the disc label must face upwards.
- Check the type of disc you want to play. Check that it is one in the list given on page 13, or that the format is one that is accepted by the player.
- The DVD player and discs are area coded. If the area code is different, the disc will not be recognised by the player. The code number for your area is 2.

Play starts, then stops immediately

- Is the disc clean or damaged (is it scratched or marked)?
- If the disc (or the player) has been stored in a cold atmosphere before being installed in a warmer room, condensation may have formed on the colder parts and interfered with the running. Immediately unplug the player and wait for the condensation to evaporate naturally.

The disc does not begin to play

- The level of the ratings limit on the disc may be in excess of the limit you set in the **Rating Limits** menu. Unlock the player and / or change the ratings limit setting in the menus.

Further information

There is no picture

- Select the correct In socket on your TV set.
- The **TV** mode is not in the correct position. It must be set to **SCART (RGB)** if the player is connected to the TV through the Scart-Peritel connector, or to **Yuv** if the player is connected to the TV by the 3 **Y, Pr, Pb (COMPONENT)** connectors.
- **Important** - If you don't have a Progressive Scan TV or you don't have the DVD player connected to the correct Input Jacks, and you activate **Progressive Scan** in the DVD player you won't see a picture!
Don't panic—try the following: first, press the **PREV/video** button on the front of the DVD player (it will go to the next video output option, which is an interlace output so a picture should appear on the TV screen). If that doesn't work, press and hold **PREV/video** button on the front of the DVD player for 3 seconds. Now, press the **PREV/video** button again (it will go to the next video output option, which is an interlace output so a picture should appear on the TV screen). As a last resort, you can reset the DVD player to the factory default settings.

There is no sound, or it can hardly be heard

- Ensure that the plugs of the various cables are securely fitted into the sockets.
- If you connect an appliance (such as an amplifier) that includes a DTS or Dolby Digital decoder, check that the input parameters of the appliance are correctly defined.
- According to the type of connection, select the appropriate setting in the sound menu of your player and tick the DTS or Dolby Digital options.

The remote control unit does not work

- Did you press the key corresponding to the appliance to be controlled (DVD, VCR, TV)? Is the appliance to be controlled manufactured by a brand other than one in the Thomson group (Thomson, Brandt, Ferguson, Saba, Telefunken)?
- Point the remote control unit toward the front of the player. The maximum distance from which it can be used is 8 metres. Ensure that there is no obstacle (object, animal) between the remote control unit and the player.
- Remove batteries and hold down one or more keys for several minutes to drain the microprocessor inside the remote to reset it. Reinstall batteries and try remote again.
- The batteries are fully discharged and must be replaced. When you insert the replacement batteries, ensure you align their positive and negative polarities correctly (page 2).

The invalid icon appears on the screen

- Some functions are not accessible because they depend on the disc playing.

The language of subtitles or dialogues is not the one you selected at the time of the initial setup

- When the language of subtitles or dialogues is not available on the disc, a default language is selected automatically. You can select the subtitles or dialogue language through the information banner (**INFO** key) or the language selection menu on the player.

The menu language is not the one you wanted

- In **STOP** mode select the **Languages** menu on the DVD player, then the **Player Menu** function. Select a language from among those available, **OK**.

Further information

If you forget your code (unlocking of the player)

- Ensure that there is no disc in the player. Display the player menu on the television screen. Now press the **STOP** button on your player and hold the **CLEAR** key on the remote control unit down for two seconds. The code that you selected is cancelled. To recreate a code, see page 26.

Note : the padlock changes from the closed position to the open position to confirm the unlocking function and deletion of the code.

Reconfiguring your player's initial set-up

- Make sure there is no disc in the player. Display the player menu on the television screen. Now press on the **NEXT** and **STOP** keys of your player for more than 2 seconds (the menu reverts to English if it was in another language). All settings you made since the initial set up will be cancelled. The player is reconfigured to the state it was in upon delivery (manufacturer's settings).

If you switch your player off and then on again, the original choice of languages appears. Refer to page 9 of this booklet to set up the player again.



Your DivX files won't play

- Check that the file is actually DivX

When you encounter problems make sure that:

- the file that you are trying to play actually contains DivX video. The files often use the term "DivX" in their filename even though they have in fact been coded in another format.

Problems playing DivX version 5.1 and the version 2.5 player

- With some recent DivX versions coding problems may arise that are directly linked to the ability of your computer to provide the total capacity of its microprocessor during the coding procedure and during play, this leads to malfunctions with the image or a lack of synchronisation between sound and image.

There is no sound with the image

- Is the volume turned down? The audio codec of your player cannot play DivX files with the most recent codecs.
- The majority of applications on your computer require the video and audio to be coded separately. The two flows are mixed after coding. More information on this can be found using the various Internet search engines.

Further information

Recommendations and information concerning discs (12 cm)

CD-R and CD-RW discs

This player can play most CD-R and CD-RW discs. However, depending on the recorder of your personal computer, the type of disc and recording method used, it may be that some discs cannot be played, or that the performance does not meet the expected standard of quality. When playing a CD-R disc, it is completely normal for the unit to take up to 20 seconds to recognize the disc before starting to play. If the disc is not recognized after a period of 20 seconds, remove the disc, and then insert it again. If after several trials, this disc cannot be recognized, make sure you have followed the recommendations below or try another type of disc.

- Whatever the actual recording capacity of a disc, do not fill it to maximum capacity.
- Use CD-R discs rather than CD-RW (re-recordable CDs), as replay of CD-RWs may sometimes not work properly.
- Use a reliable and good quality recording software.
- Before recording on a disc, close all applications on your personal computer in order to optimise the quality and reliability of recordings on the disc.

CD-R and CD-RW discs with mp3 format “Sound” files

In the case of discs that include mp3 files, follow not only the general recommendations for CD-R and CD-RW discs, but also the following specific recommendations:

- The format of your mp3 files should be ISO 9660 or JOLIET. These files are compatible with DOS and Windows applications as well as with Mac OS.
- Your mp3 files must have a name no longer than 12 characters as well as the suffix “.mp3”. They must be recorded in the form: title.mp3. Ensure that you do not leave spaces or use special characters such as (., /, \, =, +) in the name.
- 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. Getting 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. However, choosing higher rates, like 192 kb/sec or more, only rarely give even better sound quality. Conversely, files with sampling rates below 128 kb/sec will not be played properly.
- Do not attempt to record protected mp3 files. Such files are coded and protected.

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

CD-R and CD-RW discs with JPEG format “image” files

To view your JPEG images on a TV set you do not need to record your photographs with a resolution above 400,000 pixels (which corresponds to an image format of about 720 x 576 dots), for television screens do not allow a higher quality given their limited characteristics. In this case ensure that you reduce the quality of your photographs before recording on a disc in order not to impede the proper running of your player. This is because excessively loaded pictures would slow down or might prevent the proper functioning of the slide show during playback on your player. Compatibility of JPEG files depends on the software on which they were created and on the size of files expressed in pixels. Some JPEG files, including Progressive JPEG files (display in stages) cannot be played on this appliance.

Video CD (VCD) discs

VCD (Video Compact Disc) discs enable up to 74 minutes of VHS quality video associated with still pictures, audio tracks and interactive menus to be recorded on a CD.

Further information

Super Video CD (SVCD) discs

SVCD (Super Video Compact Disc) discs comply with standard IEC62107, making it possible to record up to 70 minutes of digital images and sound at standard MPEG-2 for video and MPEG-1 for audio. Compatibility of SVCD discs depends on the MPEG coding software, the disc design software, as well as the recording software used and the discs themselves.

Important: Despite considerable progress made in providing compatibility with as many different discs as possible, reading of discs not conforming to Audio CD, Video CD and Super Video CD (S-VCD) disc standards cannot be guaranteed.

DVD-R and DVD-RW discs

Your player can play DVD-R and DVD+R (single recording) and DVD-RW and DVD+RW (re-recordable) discs. Recordings on DVD-RW discs must be made in DVD Video mode. Recordings on DVD+RW discs must be made in accordance with the specifications for the 4.7 Gb capacity DVD+RW disc format. Compatibility is dependent on which DVD writer, writer software and disks are used.

DivX discs

DivX is a compression format answering the MPEG-4 standard and that allows an entire film to be contained on a single CD.

The compatibility of DivX formats depends on MPEG-4 coding software, disc design software and the recording software employed, as well as the discs themselves.

What codecs can your player read?

- Playback of DivX 3.11 content.
- Playback of DivX 4 Content (Based on MPEG-4 Simple Profile)
- Playback of DivX 5 Content (MPEG-4 simple profile plus additional features such as bi-directional frames. Qpel and GMC are not supported).
- Resolutions up to 720 x 480 at 30fps and 720 x 576 at 25fps are supported.
- Macroblocks per second 40500.
- Maximum average bitrate 4000 kbps
- Maximum peak bitrate during any 3 seconds of video 10000 kbps
- Minimum VBV buffer size (kbytes) 384k bytes

Note: for DivX 3.11 content at Home Theater Profile, the required average bitrate is 1000 kbps, and the required maximum peak bitrate is 4000 kbps. Mpeg4 and Xvid content may or may not play back depending on the exact recording method and codec used.

Audio DVD discs

Audio DVD is a new digital recording format for audio discs. This format is based on the success of Video DVDs containing 5.1 multichannel sound.

Audio DVD therefore gives you new sound sensations by spreading the sound over 6 loudspeakers (6 x 96 KHz/24 bits analogue channels). If possible, therefore, you should connect the player to a 5.1 amplifier using the 6 channels (marked (5) on page 6) as this gives the best 5.1 sound quality. Connecting the player in this way is also recommended for Video DVDs.

Many Audio DVDs contain video, in the form of information (bibliographies, titles list, etc.), video clips, photos, etc.

Audio DVDs contain large amounts of varied information. The way in which this information is presented varies from one disc to another. With some Audio DVDs, you can display the images contained on the disc, one at a time, using the info banner's Browser (Browse) icon.

Note: in accordance with the DVD standard and the protection of copyright, the quality of the Audio signals available through the digital output connections (marked (6) on page 6) is limited, to match that of Audio CDs (48 KHz/16 bits).

Hidden information is sometimes contained on a disc. To see this information, you must first enter a password, which is generally shown on the disc's cover or on the disc itself. This password is only linked to the disc; it is unrelated to your player. The disc's password can sometimes be found on the publisher's Web site.



Further information

Caution

- Protect the player from moisture and excess heat (e.g. fireplace) or equipment creating strong magnetic or electric fields (i. e. speakers ...). Disconnect the power cable from the mains electricity supply if the player malfunctions. Your player is not intended for industrial use but for domestic purposes only. Use of this product is for personal use only. Copying CDs or downloading music files for sale or other business purposes is or may be a violation of copyright law.
- Disclaimer of warranty: to the extent allowed by applicable law. Representations and warranties of non-infringement of copyrights or other intellectual property rights resulting from the use of the product under conditions other than as hereabove specified are hereby excluded.

Condensation

- If your player or a disc have been stored in a cold atmosphere, as for example during transportation in the winter, wait for approximately 2 hours until they have reached room temperature.

Discs

- Always handle your discs with care. Hold a disc with fingers on the border or hole. Always place disc with the label facing upward (in case of a single-sided disc). Always place the disc properly into the tray using the proper guide area. Always use a soft cloth to clean discs if necessary, wipe from the centre to the border. Always put discs back into their cases after playing and store in a vertical position. Never use record cleaning sprays, benzine, static electricity liquids or any other solvent, if the disc surface is dirty. Wipe gently with a soft damp (water only) cloth, never wipe the disc in a circular motion, since circular scratches are likely to occur and could cause noise during playback.

For your safety

- Never open the player or any of its components. It can be dangerous for you or for certain fragile components. You could receive an electric shock or touch the laser beam. Do not try to gain access to the device through the tray or any other openings.

Technical data

Power requirements 230 V - 50 hertz

Power consumption 15 W (approx. 1,5 W when power is OFF)

Operating temperature range + 5 to + 35° C

Operating humidity range 10 to 75% (no condensation)

Nominal Specification - THOMSON reserves the right to change the specifications without notice.

THOMSON shall not be responsible if the player is not used according to this manual.

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