



set-up videoCD audioCD DVD

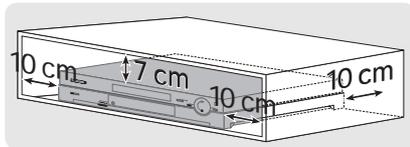
THOMSON



Precautions

Setting up

Ensure that the mains supply in your house complies with that indicated on the identification sticker located at the back of your set. Place the DVD player on a suitable base (furniture). Make sure the ventilation slots are not covered. Leave a 7 - 10 cm gap all around the unit, as shown below.



Condensation

If your set and / or a disc have been stored in a cold atmosphere, as for example during transportation in the winter, wait approximately 2 hours until they have reached room temperature, to prevent serious damage.

Use

This equipment is not intended for industrial use. It is designed specifically for domestic purpose.

This device is intended for continuous operation.

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, the unit has to be disconnected by unplugging the mains plug – especially when left unused for a long period of time.

Maintenance

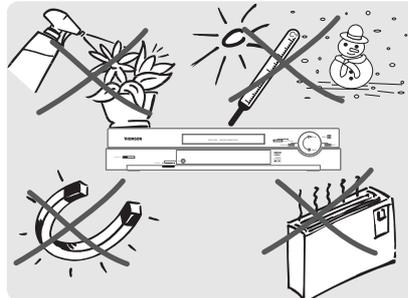
Use a dry and clean soft cloth. Do not use any scouring agents, solvents or abrasive products. If an object or liquid gets into the set, unplug it immediately and have it checked by an authorized technician.

Caution

Protect the unit from damp and excess heat. Disconnect the power cable from the mains electricity supply when the unit malfunctions.

In particular, you should ensure that the motor driven disc drawer is not prevented from moving properly. If the disc loading system is hindered, the loading mechanism may be damaged. Install the DVD player horizontally, away from a source of heat (fireplace) or equipment creating strong magnetic or electric fields.

- Do not place anything heavy on it.
- Do not stack components on it.



For your safety:

- Never open the unit or any of its components. It can be dangerous for you or for certain fragile components. You are risking electric shocks and are endangered by the laser beam.

**CLASS 1
LASER PRODUCT**

Rear panel

- Do not place your eyes close to the opening of the disc tray and other opening to look into the inside of the player.

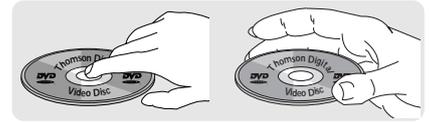
CAUTION	-LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.
ATTENTION	-RAYONNEMENT LASER EN CAS D'OUVERTURE. NE PAS REGARDER DANS LE FAISCEAU.
VORSICHT	-LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET. NICHT IN DEN STRAHL BLICKEN.
ADVARSEL	-LASERSTRÅLING VED ÅBNING. SE IKKE INN I STRÅLEN.
ADVARSEL	-LASERSTRÅLING NÄR DEKSEL ÄPNES. STIRRA EJ INN I STRÅLEN.
VARNING	-LASERSTRÅLING NÄR DENNA DEL ÄR ÖPPNAD. STIRRA EJ INN I STRÅLEN.
VARO!	-AVATTAESSA OLET ALTIINAN LASERSATELYLLE. ÄLÄ TUJOTA SÄTEESÄEN.

Inside the product

For your discs

Always ...

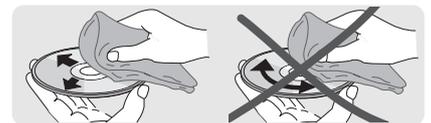
- handle your discs with care. Hold a disc with the fingers touching the border or the hole,



- place the disc with the label facing upside (in case of a single-sided disc),
- place the disc properly into the tray using the proper guide area,
- use a soft cloth to clean a disc if necessary wiping from the centre to the border,
- replace a disc into its case after playing and store it in a vertical position.

Never ...

- never close the tray with two discs inside or a disc slipping out of the guide area,
- never play cracked, chipped or deformed discs nor try to repair them with adhesive tape or glue,
- never write on the disc,
- never move the player during playback,
- never scratch discs or store them in places of direct sunlight, high humidity or high temperature,
- never try to play a Photo CD or CD-R in this player,
- never use record cleaning sprays, benzine, static electricity liquids or any other solvent, if the disc surface is soiled. Wipe gently with a soft, damp (water only) cloth,
- never wipe the disc in a circular motion, since circular scratches are likely to occur, which will cause noise.



Should you hear strange noise or vibration after starting playback, quickly press the STOP button on the remote control or the player.

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First connect and set-up your player:

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Basic set-up for the initial installation of the DVD player.

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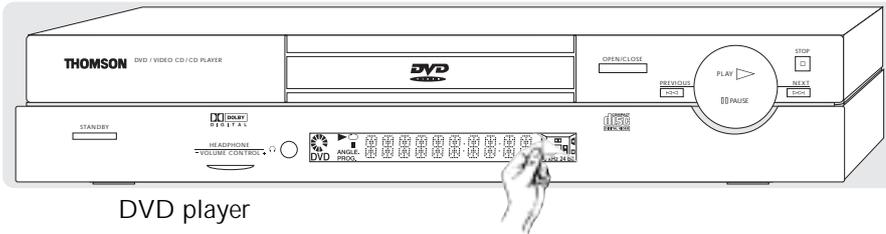


Before you start

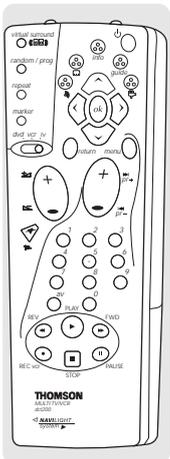
Package content

Please follow all steps of this chapter.

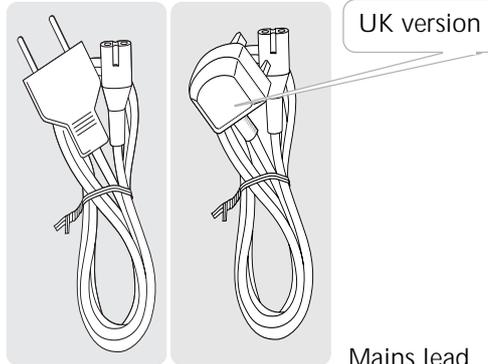
- Remove all packing and protective film from the DVD player and check for the items below.
- In the unlikely event that something is missing in the package, please contact your dealer.



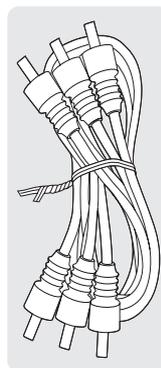
DVD player



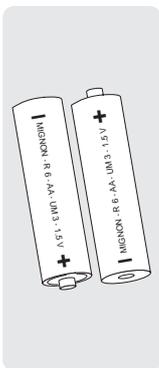
Remote control unit



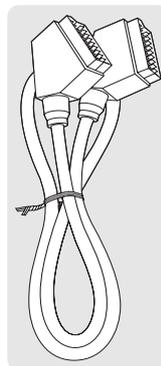
Mains lead



Audio/Video cable (phono)



Two "AA" size (R 6) batteries for remote control unit

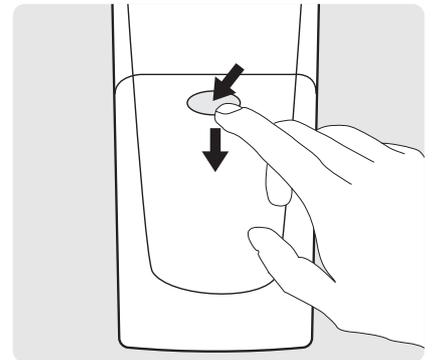


SCART cable

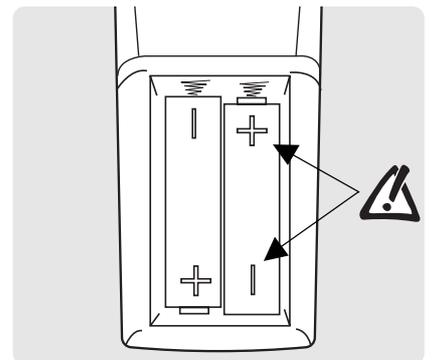
Fit the batteries



Protect your environment! Batteries contain toxic substances which pollute the environment. Batteries require special disposal. Your specialized dealer will accept used batteries.



1 Remove the battery cover.



2 Fit the batteries matching + to + and - to -.



3 Refit the battery cover.

Before you start



Basic connections

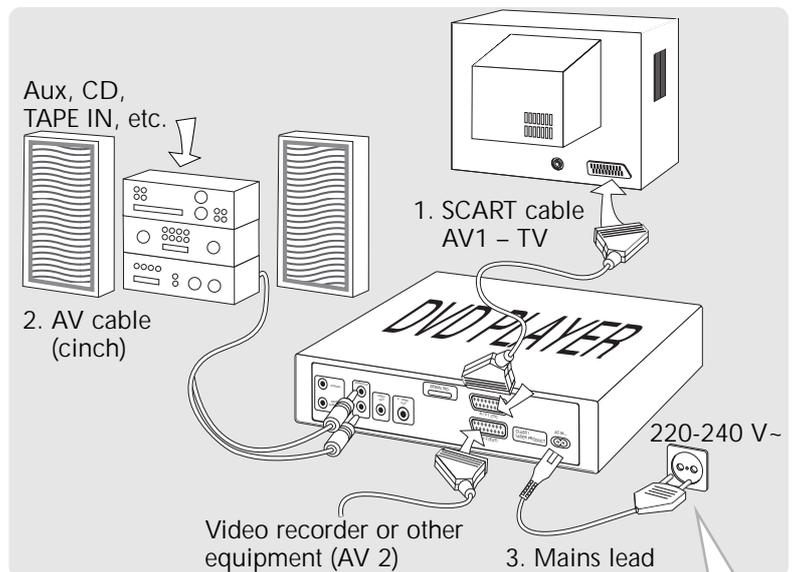
- Please install your DVD player horizontally with enough space around for ventilation.
- Protect the player against humidity, heat, cold and strong magnetic fields (i. e. speakers ...).
- Do not stack components on top of the DVD player.
- Connect all components before plugging any power cords in the wall outlet.
- Always turn off the DVD player, TV and other components before you connect or disconnect any cables.
- Insert all cables firmly into their jacks.
- Be sure that colors of connectors and plugs match for the audio connection.

1 Connect your television to your DVD player.

2 Connect your stereo system to your DVD player (optional).

- If you have also other pieces of equipment connected to your TV, or you want to use other cables, please see pages 34 - 39.

3 Connect your DVD player to the mains.



For users in Great Britain:
Be sure to read page 47 about the plug.

Initial set-up

1 Switch on your TV set and your DVD player.

2 Press **STOP** button.

3 Press **menu** button.

You see the menu on the right.

- If you do not see the menu, select the proper AV input of your TV set manually (see the manual of your TV set).

4 Press the appropriate **number button** for your language (example: **button 1** for English).

- Now English is the language for the menus of the player as well as the language of menus, dialogues, and subtitles of DVDs (if available). If you want to change languages, see page 22-23.
- This choice applies to all DVDs. For temporarily changes of dialogue and subtitle languages see page 19.

5 Now you can play discs.

But we recommend to proceed with the set-up on the pages 23-29:

- "4:3" or "16:9" TV set, - Displays and more,
- Picture / sound output optimization, - Rating.

Press 1 for English
Presser 2 pour Français
Drücken Sie 3 für Deutsch
Premere 4 per Italiano
Pulsar 5 para Español

basic set-up



DVD remote control

Comfort functions

virtual surround *

to enjoy virtual surround sound with Dolby Digital DVDs, if you only use 2 speakers (page 16).

random / prog *

for random play and to programme a play order (page 20).

repeat *

to repeat titles, chapters, tracks, programmes or the disc (page 17).

marker *

to memorize scenes to replay (page 14).

* Press the button again to remove the display.

dvd vcr tv

to use this remote control unit with your DVD player, video recorder and TV (page 30-33).



Power / Stand-by

to switch your player on and off.

Playback



to skip chapters or tracks (page 14).

PLAY

to start playback (page 12).

REV / FWD

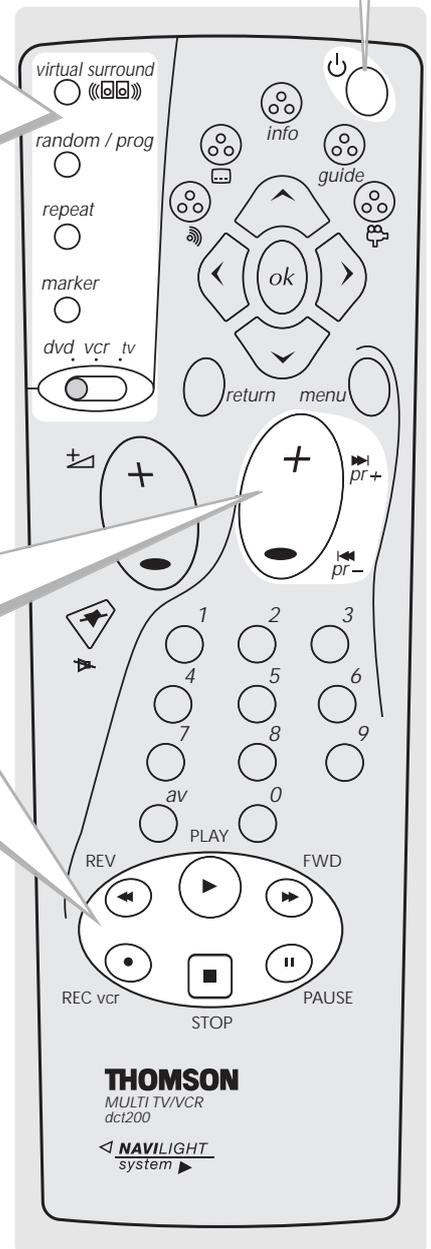
for fast reverse or advance (after disc stop) and visual search (while playing) in both directions (page 14).

STOP

to stop a disc (to stop completely press twice).

PAUSE

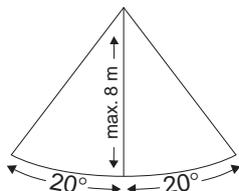
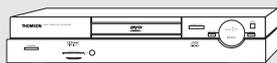
for pause / still picture, frame advance, and slow motion (page 12 / 13).



DVD remote control



Selections via menu



(dialogue language)
displays (on and off) the dialogue language number on-screen (page 19).*

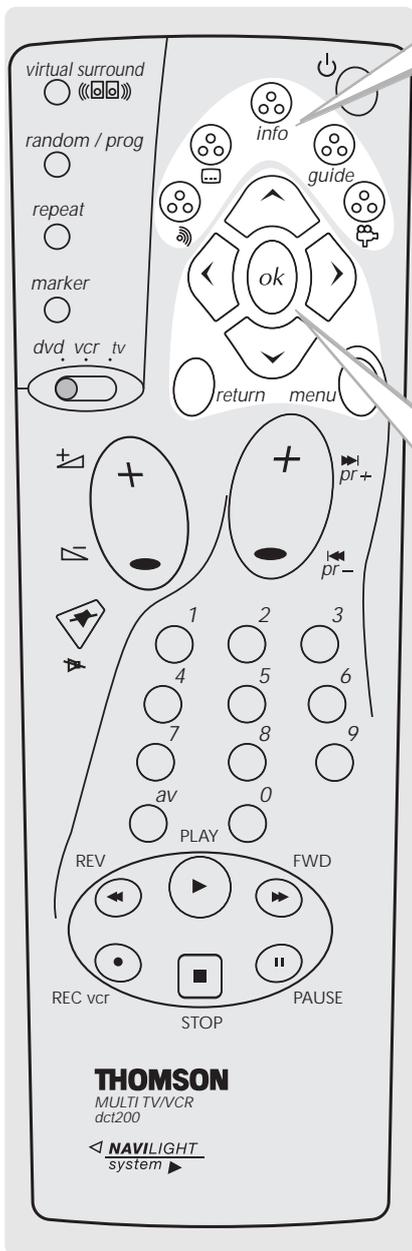
(subtitles)
displays (on and off) the subtitle language number on-screen (page 19).*

info
displays (on and off) the disc's technical infos on-screen (page 8-9).*

guide
displays (on and off) the disc's content on-screen (page 8).*

(camera angle)
displays (on and off) the camera point of view number on-screen (page 18).*

* if available



Menu operation

menu
displays (on and off):

- the disc's technical menu (if available) during playback (page 8),
- the player's set-up menu after having stopped a disc with the **STOP** button (page 8, page 22-29).

, , ,
arrows move to items.

ok
confirms a selection.

return
to go back in menu levels.



• Please read also the pages 30-33 about this UNIVERSAL remote control to operate your TV set and your video recorder too.

set-up videoCD audioCD DVD



Menus

"Installation" menus of the player

1 Disc Languages	ENG AUTO ENG
2 Rating Limit	L8
3 Menu Language	English
4 On-Screen Display	On
5 Display Dimming	Auto Dim
6 TV Aspect	4 : 3
7 Digital Audio Output	PCM
8 SCART Output	
9 Expert Settings	

To exit, press RETURN

- 1 Press **STOP** button.
- 2 Then press the button *menu* (see the pages 22-29).

The "info" menus



Level 1 and 2:

- 1 Play a Disc; press the button **PLAY**.
- 2 Press
 - 1x the yellow *info* button for Info level 1,
 - 2x the yellow *info* button for Info level 2.

The Info menu may differ since it depends on type and content of the Disc (DVD, Audio CD, and Video CD, see page 9).

How to use the menus



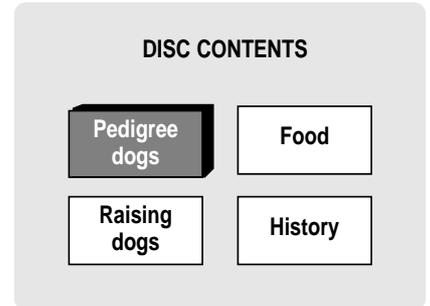
Move to the items using the arrow buttons < >, ^ v. Use *ok* button to confirm a selection (or use number buttons to select without confirmation).

Use *return* button to go back menu levels.

Press the buttons *info*, *guide* and *menu* once again to remove the menus.

The "contents" menu of the Disc

If available (example)



- 1 Play a Disc; press the button **PLAY**.
- 2 Press the blue *guide* button.

The "possibility" menu of the Disc

To select languages for dialogues, subtitles, and menus, to have access to camera angles, etc.

(Example)



- 1 Play a Disc; press the button **PLAY**.
- 2 Press *menu* button.

If available the appearance and content of the menus may differ a lot. Follow the on-screen help for the next steps.

Info displays



This page gives you an overview about the possible information you can get to see on a disc.

1 Play a Disc; press the button **PLAY**.

2 Press

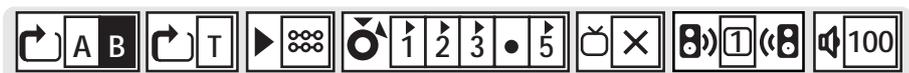
- 1x the yellow **info** button for Info level 1,
- 2x the yellow **info** button for Info level 2.

info button pressed once



	Page: 15/21	DVD: title number Video CD/Audio CD: track number		Page: 19	DVD: subtitle number (subtitles on)
	15	DVD: chapter number		19	DVD: subtitle number (subtitles off)
	15	elapsed time		18	DVD: camera angle
	19	DVD: dialogue language		21	Video CD: playback control on / off

info button pressed twice



	Page: 17	DVD, audio CD, video CD: A-B repeat		Page: 16	DVD, video CD: picture soft / normal / sharp
	17	DVD: repeat T (title), C (chapter), - (off)		16	Dolby Digital DVD: virtual surround sound off , natural , emphasized
	17	Audio CD, video CD: repeat T (track), A (disc), - (off)		17	Video CD: left and right → left → right
	20	Audio CD, video CD: programme / random play / normal play		13	DVD, audio CD, video CD: volume level of the AUDIO OUT output
	14	to store, play, and erase markers			



Front and display

HEADPHONE/VOLUME CONTROL
to plug a headphone (3.5 mm jack) and control its volume.



STANDBY (⏻), **PLAY**, **PAUSE**, **STOP**, **▶|**, **◀◀** buttons see page 6/7.

STANDBY
to switch your player on and off (stand-by), (lights up when power is off).

OPEN / CLOSE
the disc tray to load or unload a 8 cm or 12 cm disc in its special guide area.



Disc stop.



A disc turns (according to slow, play, or fast).



Disc playback (blinks when resume memory is on, page 12).



Still picture or audio pause.



The repeat function is on (page 17).

c 25 DVD: chapter number.

VCD 25 Video CD: track number.

CD 25 Audio CD: track number.

AB Repeating the part between A and B (page 17).

VCD PBC Video CD with Playback Control (page 21)

T 15 Karaoke DVD: title number

Some DVDs may not show chapter numbers and / or elapsed time. Some Video CDs may not show track numbers and / or elapsed time.

1:23:45 The elapsed time since you started the title or track.

PLAY Interactive disc.



DVD

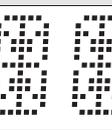
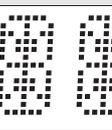
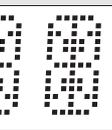
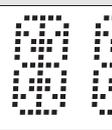
The disc loaded is a DVD.

ANGLE

You can now select different viewing points of the scene recorded by different cameras (page 18).

PROG.

Audio CD, Video CD: The player just performs a programmed succession of tracks (page 20).



OPEN The disc tray is open.

CLOSE The disc tray is just being retracted.

NO DISC There is no disc loaded.

NO PLAY Playback is not possible because the setting of the "RATING" prohibits playing (page 28) or the region code no. is other than #2 (page 40).

Indicates the current audio channel information of the disc:

2 channels (stereo, or Dolby Prologic) or 5.1 channels (Dolby Digital – AC-3 or MPEG 2 multi-channel).

96kHz 24bit Indicates that a disc in 96 kHz / 24 bit audio is being played (page 36-39).

This part also indicates various messages concerning operations such as **PLAY**, **STOP**, **SEARCH**, **STILL**, **REPEAT**, **RANDOM** ...



Discs you can play



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 picture and audio are recorded by means of digital signals.



Audio CDs

12 cm and 8 cm.



Video CDs

12 cm and 8 cm (with or without playback control).



NTSC playback on PAL TV set

In addition to the PAL system DVDs and video CDs, you may enjoy your favourite NTSC system movie titles as well (a PAL 60 Hz capable TV is required).

According to the disc



If available on the DVD you may choose via TV on-screen menu information such as titles, chapters, time info, sound track languages, subtitles, ratings (age limit), camera angles and more.

Disc menu operation and contents may differ from disc to disc. Please refer to the instructions accompanying the disc.

- Some discs may have been authored to prevent operation such as: Chapter skip, picture scan, and repeat play.
- When "⊗" appears on-screen, it indicates an invalid button press.

Why a disc cannot be played



Discs you cannot play with this unit: CD-I, CD-ROM, DVD-ROM, DVD-RAM, CDV, CD-G. DVD with regional code other than region No. #2. If played, the message "NO PLAY" appears in the unit's display.

Do not try to play Photo CD or CD-R.



Regional code number

Your DVD player is designed and manufactured to respond to the region management information that is recorded on a DVD disc.

If the DVD disc does not carry the region code corresponding to your player, it cannot be played. The region code for your player is region No. #2. (Europe, the Middle East, Republic of South Africa, Japan.)

Region 2



Basic play

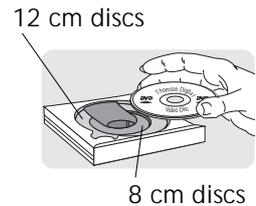
Playback

Switch on your DVD player and your TV set. Select the correct AV input on your TV, if necessary. You may also turn on your HiFi system (properly connected to the player).

⚠ Please see page 20-21 for audio CD / video CD specials.

1 Open the disc tray using **OPEN/CLOSE** button on the set.

2 Place a single sided disc the label facing upwards.



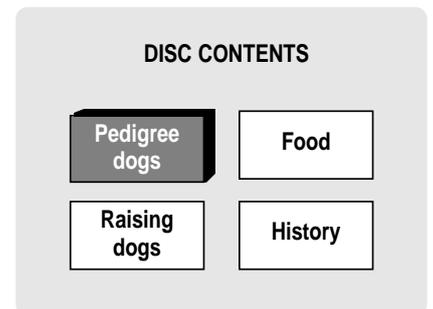
3 Start playback using **PLAY** button:
The disc is playing.

Some discs may show a menu to select:
Follow its on-screen help.

Choose a menu item using the **< >**, **^ v** arrows.
Start playing using **ok** button.

- According to the menu, exit the menu, if necessary, using *guide* or *menu* button.
- To stop play and return to the menu screen:
 - DVD: Press *guide*, *menu*, or *return* (depending on the disc used).
 - Video CD: Press *return*.

Example



4 Stop playback, press **STOP** button.

- This location on the disc is memorized by the player, see below 'Resume memory'.
- Press **STOP** twice, to stop a disc without resume memory.
- **When "⊗" appears on-screen, it indicates an invalid button press.**



Resume memory

If you press the button **STOP** or **⏻** (STANDBY), the player remembers this point on the disc. The symbol "▶" blinks slowly in the players display (page 10).

If you now press **PLAY** button, playback starts from this point.

To erase 'resume memory', press **STOP** button twice or unload the disc (but do not a press the "⏻" button).

Resume memory does not work with interactive discs (without play time info).

Auto power off

If not used, the player will switch off automatically after 30 minutes.



Master volume

For each: DVDs, audio CDs, video CDs



The different types of discs (DVD, Audio CD, Video CD) may differ a lot regarding its volume levels. This function allows to harmonize them.

- 1 Start playback using **PLAY** button.
- 2 Press the yellow **info** button twice; you see the info strip (level 2) on-screen.
- 3 Move to master volume "🔊" using the ▶ arrow.
- 4 Set the volume level using the ^ ▼ arrows.
- 5 Exit the display with **info** button.
 - Repeat these steps for each disc category: DVD, audio CD, and video CD.

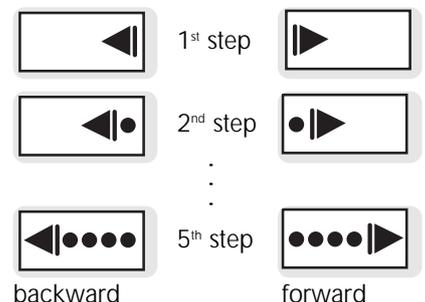


Stills and frame advance

- 1 Start playback using **PLAY** button.
- 2 Press **PAUSE** button for a still.
- 3 Press the button repeatedly, to see the pictures one after another.
 - **PLAY** button resumes playback.

Slow motion

- 1 Start playback using **PLAY** button.
- 2 Press **PAUSE** button for a still.
- 3 Start slow backwards or forwards using **REV** or **FWD** button.
 - Press repeatedly for higher speeds (5 steps).
 - **PLAY** button resumes playback.
 - For DVDs, in comparison with forward slow motion, backward slow motion may lack smoothness due to MPEG2 video data structure.





Access to a scene

Chapter / track skip

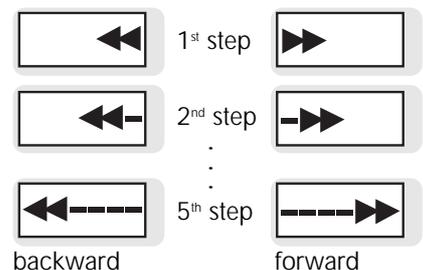
During playback skip to next or previous chapter / track using **▶▶|** or **|◀◀** button.

- Pressing **|◀◀** button once skips to the beginning of the current chapter / track (twice for the previous).
- Pressing **▶▶|** / **|◀◀** button repeatedly skips as many chapters / track forward/backward as number of presses.

Picture / track scan

During playback press **REV** or **FWD** button for search backward or forward.

- Press repeatedly for higher speeds (5 steps).
- **PLAY** button resumes playback.

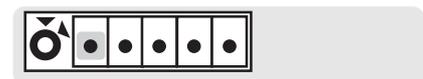


Markers

The player can remember up to 5 locations on the disc as long as the disc remains loaded. You can immediately return to any of these 5 marker positions.

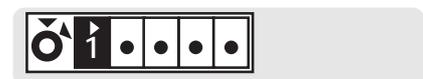
This function operates only with discs for which the elapsed time appears on the player's display during playback.

1 During play call the **marker** button on the top left part of the remote control. You see the marker display on-screen.



2a Placing markers

1 Select one of the 5 marker fields using **<** **>** arrows.



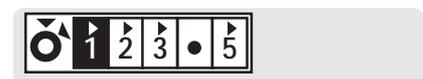
2 Place the marker using **ok** button as soon as you see the wanted scene. A number now appears in that marker field.



- "•" indicates: no marker stored, a stored marker will be replaced.

2b To play a marked scene

1 Select one of the numbered marker fields using **<** **>** arrows.



2 Do you now press **^** arrow, playback starts from the marked point.



- To erase a marker place a new one in its field.
- Some subtitles around the marker may fail to appear.

3 Exit the display with **marker** button.



Titles, chapters, tracks, or elapsed time



A DVD may contain several titles which could be different movies or video programmes. These titles may be divided into chapters each of which is numbered, to give you a quick access to specific parts of the DVD. Tracks give you a quick access to specific parts of the audio CD and video CD (page 21).

1 Start playback using **PLAY** button.

2 Press the yellow **info** button:
You see the info strip on-screen with the current title "T", chapter "C" (or the current track "T") and the elapsed time "⌚".



3 Choose "T" (title), "C" (chapter), track "T" or "⌚" (time) using **<** **>** arrows.

- Some discs cannot be searched by elapsed time, even if it appears on-screen.



4 Select titles / chapters / tracks using **^** **v** arrows.
For access with elapsed time use **number buttons**.

- You can also select using **number buttons**.
- To erase a wrong number press **<** arrow.
- If you select an amount of time not existing on the disc, "⌚" may then appear on-screen.

5 Start playback using **ok** button.



Sound and picture

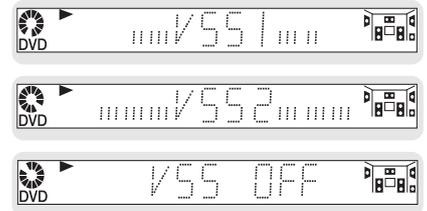
Virtual Surround Sound

For DVDs

Playing Dolby Digital (AC-3) 5.1 channel DVDs you can hear virtual surround sound as if coming from non-existent rear speakers (even if you use only a stereo TV or a two-channel stereo system).

- 1 Start playback using **PLAY** button.
- 2 Press **virtual surround** (⏮⏪) button on the top left part of the remote control:
 - a 1x for a natural effect (VSS1),
 - b 2x for a more emphasized effect (VSS2), and
 - c the 3rd time, to cancel virtual Surround effect again.

- Virtual Surround sound may not be so impressive with some discs.
- Turn off the TV set surround sound and other surround effects (HiFi system) when using this virtual surround system.
- For optimum effects it is recommended that the distance between the TV set and the listening position should be about 3 or 4 times the distance between the left and the right front speakers.
- You also can set surround sound via menu: Press the yellow **info** button twice, then > arrow. Set using ^ v arrows.



on the player's front display



- off
- 1 natural
- 2 emphasized

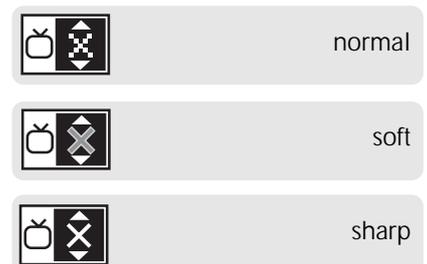
Picture soft / sharp

For DVDs and video CDs



To have an appropriate setting for different quality video recordings.

- 1 Start playback using **PLAY** button.
- 2 Press the yellow **info** button twice; you see the Info strip on-screen (level 2).
- 3 Move to "⏮ x" picture using the > arrow.
- 4 Switch the picture mode as you require in three steps from sharp to soft using ^ v arrows.
- 5 Exit the display with **info** button.



Repeat play / karaoke



Repeat play

Repeat the current title (or the track) "T", the chapter "C" or all the disc "A" (only audio / video CD).

- 1 Start playback using **PLAY** button.
- 2 Press the **repeat** button on the top left part of the remote control once, twice or three times.
 - DVD: "C" (chapter) → "T" (title) → "-" (normal play),
 - audio / video CDs: "T" (track) → "A" (all the disc) → "-" (normal play).

- Repeat play only works with discs that show the elapsed time in the player's display.
- It may not work correctly with some discs (PBC, interactive discs).
- You can also select repeat play by pressing **info** button twice and \blacktriangleright arrow to \square . Set using \wedge \vee arrows.

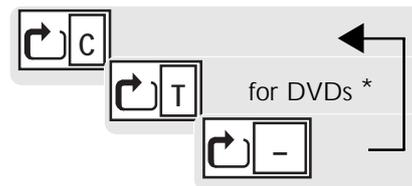
• Repeating programmes

for audio CDs and video CDs (no PBC, page 21).
For programmes see page 20.

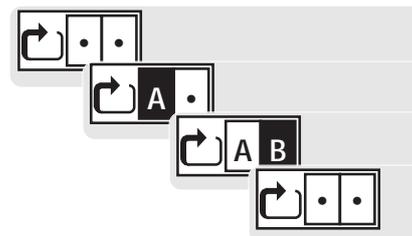
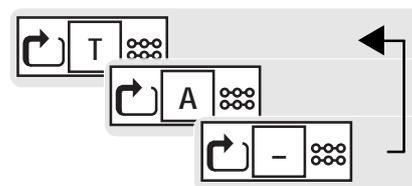
During playback repeat the current track, programme, or switch off repeat play: Press **repeat** button once, twice or three times.

• Repeating sections between point A and point B.

- 1 Start playback using **PLAY** button.
- 2 During playback press **info** button twice. You see the info strip (level 2) on-screen.
- 3 Press **ok** button at the point you want repeat play to start (point A).
- 4 Press **ok** button again at the point you want repeat play to stop (point B), repeat play starts.
- 5 To return to normal play press **repeat** button several times, till you see " \square ..".



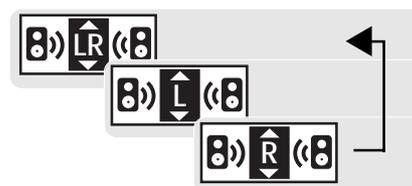
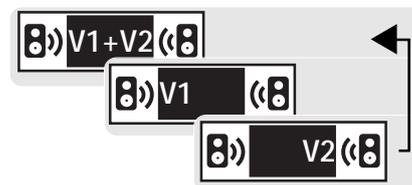
* for audio / video CDs:
T (track) → A (all) → - (off)



Karaoke discs and vocals

For DVDs / video CDs.

- 1 Start playback using **PLAY** button.
- 2 Press the red "🔊" button (Audio); you see the karaoke display on-screen.
- 3
 - 2-vocals karaoke DVD:
Select using \blacktriangleleft \blacktriangleright arrows → (V1+V2) → (V1) → (V2) → etc.
 - 1-vocal karaoke DVD:
Select using \blacktriangleleft \blacktriangleright arrows → on → off → etc.
 - Video CD:
Select using \wedge \vee arrows → Left and Right (LR) → Left (L) → Right (R) → etc.



videoCD audioCD DVD



Angle / rating

- Perhaps you want to change (if available) the dialogue language of a film (synchronisation), the subtitle language, the camera angle temporarily for one disc or override the rating (Set-up, page 23/28). Three dedicated buttons (📺, 🗨️, 📡) on your remote control offer easy direct access while viewing.
- Some DVDs provide a disc menu. Temporary change of languages (audio, subtitles) or camera angle may also be possible by pressing the **menu** button (sometimes **guide** button) during playback. Then follow the steps offered by the menu to make your selections.
- You can also select languages and angles pressing the **info** button (level 1) and > arrow. Set using the ^ v arrows.
- All the changes (audio, subtitles, rating, angle) return to the player's initial settings after the disc is removed or power is switched off.
- If the disc doesn't contain the set-up language of the player, it will select the default language of the disc.

Camera angle

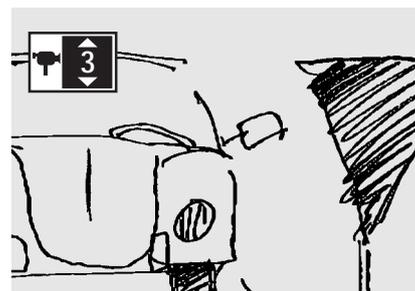
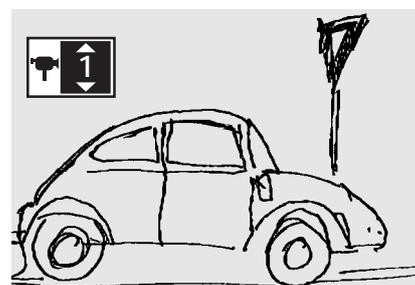


For DVDs

On a DVD, particular scenes of the movie may be recorded by the studio from various points of view (up to 9 camera angles), which you can select. For example, enjoying a film, you could switch while watching the same scene, from the side, from above or maybe from the front etc. But note that not all DVDs contain multiple camera angles.

- Each angle number corresponds to a different view angle.
- With some discs you can identify the sections that contain multi-camera angles by "ANGLE" appearing on the player's display.

- 1 Start playback using **PLAY** button.
- 2 Press the violet 📡 button; you see the angle "📡" display on-screen.
- 3 Select a camera angle number, using the ^ v arrows.
- 4 To exit angle "📡" display, press the violet 📡 button.



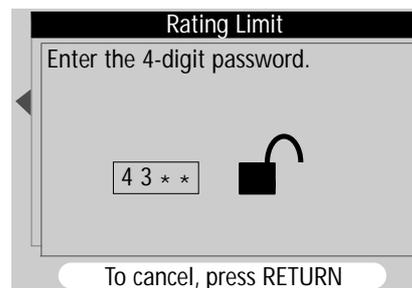
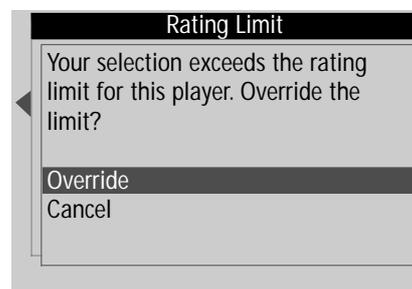
Overriding the rating



For DVDs

If you have previously set a rating limit (page 28), playing some disc may display this screen:

- 1 Choose "Override" using the ^ v arrows.
- 2 Confirm using **ok** button.
- 3 Type in your four digit code number using the **number buttons**.
- 4 Confirm using **ok** button.



Languages



Audio language



For DVDs

A movie or video programme may be recorded in more than one language (up to 8) onto the disc. So you can hear the dialogue in your own language (if available) or in the original language of the movie. Set-up, page 23.

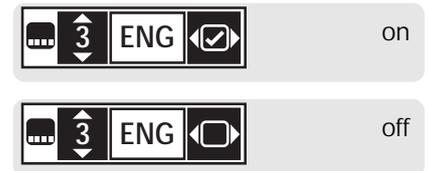
- 1 Start playback using **PLAY** button.
- 2 Press the red button; you see the "" audio display on-screen with the number and (possibly) abbreviation of the language.
- 3 Select a language using the arrows.
- 4 To exit dialogue display, press the red button.



Subtitles on / off

For DVDs

- 1 Start playback using **PLAY** button.
- 2 Press the green button; you see the subtitles display "" on-screen with the number and (possibly) abbreviation of the language.
- 3 Use the arrows to switch the subtitles on "" resp. off "".
- 4 To exit subtitle display press the green button.



Subtitle language



For DVDs

Subtitles in many languages (up to 32) may be recorded on a DVD. It may help to understand if the audio is not available in your language. It may even help to learn another language. Set-up, page 23.

- 1 Start playback using **PLAY** button.
- 2 Press the green button; you see the subtitles display "" on-screen with the number and (possibly) abbreviation of the language.
 - When no subtitles are recorded, " •" will be displayed instead of the language number.
- 3 Select another language number using the arrows.
- 4 To exit subtitle display press the green button.



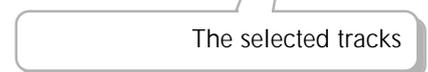
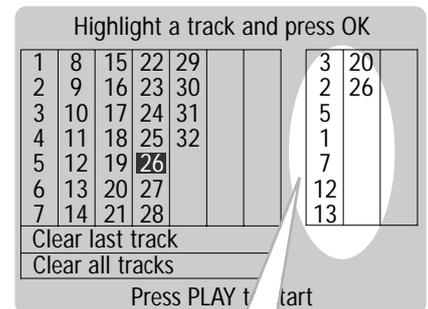
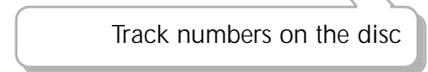
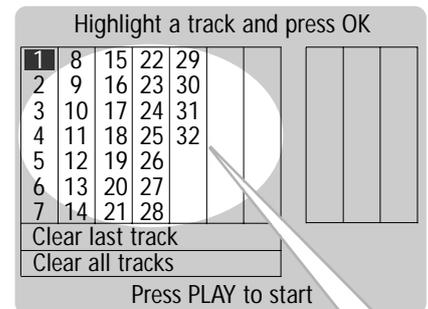


Programme play

Playing up to 18 tracks in an order you specify. (Example: Playing track 3, 2, 5, 1, 7, 12, 13, 20, and 26 in this order.)

- 1 If a disc is playing press **STOP** button.
- 2 Call the programme menu using *random/prog* button on the top left part of the remote control.
- 3 Select a track number using the $\langle \rangle$, \wedge \vee arrows. Confirm with **ok** button. The selected number appears in the right table.
(To cancel the last item move to "Clear last track" using the \vee arrow and press **ok**.)
- 4 Repeat from step 3 to select up to 18 tracks.
- 5 Start the programme, pressing the **PLAY** button.

- **After playback**
The player stops and shows the programme screen again.
- **Returning to normal playback**
 - 1 Press **STOP** to interrupt the programme.
 - 2 Press *random/prog* twice to switch off programme play.
 - 3 Press **PLAY** for normal playback (the programme is still stored).
- **To clear the entire programme**
Move to "Clear all tracks" and press **ok** button or switch the player off (stand-by) using ⏻ button or unload the disc using **OPEN/CLOSE** button.
- When video CD is played back with menu in playback control, "PBC" in the players display, the programme play is not available (see page 21).



Random play

Your player can perform the tracks on the disc in random order.

- If you play a video CD with "PBC", programme play is not available.

- 1 If a disc is playing press **STOP** button.
- 2 Call the "Random Playback" menu pressing *random/prog* button twice.
- 3 Start pressing the **PLAY** button.
 - After playback of all tracks the player continues with another random order.
 - **Returning to normal playback**
 - 1 Press **STOP** to interrupt the programme.
 - 2 Press *random/prog* once to switch to "off".
 - 3 Press **PLAY** for normal playback.



Access to a track without TV screen

- 1 Type in the track number you want to enjoy using the **number buttons**.
- 2 Start playback using **PLAY** button.

Using playback control menu (PBC)

Some video CDs (version 2.0, with playback control, "PBC" is written on the disc or its jacket) offer scenes or information to be selected interactively via menu screen. This menu appears after the disc is loaded (or after **PLAY** or *menu* button is pressed).
Some video CD (vers. 2.0) with PBC may not have a menu on-screen and may behave like a video CD vers. 1.1.

- 1 Start playback using the **PLAY** button.
- 2 Choose a menu item using the **number buttons**.
 - Depending on the disc, the menu may extend over more than one screen. To see the other screens, use the skip buttons |◀◀ / ▶▶|.
 - Some discs showing a menu at start up, will automatically go in to play mode if nothing is changed on the menu after a period of time.
- 3 Start playback using **PLAY** button.
 - To return from playback to the menu again press the *return* button.
- 4 Stop playback and remove the menu press **STOP** button.
 - Complete stop is obtained by pressing **STOP** button twice.
 - Even after the player has finished playing a program, the disc may continue to rotate while the menu is displayed. When no further selections are to be played, press **STOP** to exit the menu.
 - During playback press the yellow *info* button: you see the info strip on-screen (level 1).

(Example)

Pedigree dogs	
1	Collie
2	Terrier
3	Bobtail
4	Shepdog
5	Husky

PBC	<input checked="" type="checkbox"/>	yes
PBC	<input type="checkbox"/>	no



Preferred languages

The language of the player's set-up menus

Do this setting if you want to change the language of the player's own menus (not necessary after initial set-up, page 5).

- 1 If a disc is playing press **STOP** button.
- 2 Call the set-up menu using **menu** button.
- 3 If you want another menu language, select "Menu Language"; press **number button 3**.
- 4 Make your selection using **number buttons**.
- 5 To exit set-up menu press **return** button.

1 Disc Languages	ENG AUTO ENG
2 Rating Limit	L8
3 Menu Language	English
4 On-Screen Display	On
5 Display Dimming	Auto Dim
6 TV Aspect	4 : 3
7 Digital Audio Output	PCM
8 SCART Output	
9 Expert Settings	

To exit, press RETURN

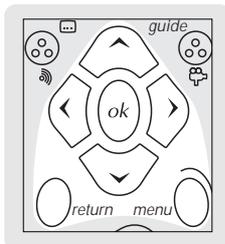
Choose the menu language for this player.

1 English
2 Français
3 Deutsch
4 Italiano
5 Español

To cancel, press RETURN

step 3

Set-up menus



Move to items with the < > , ^ v arrows.
 Use **ok** to confirm a selection (or use number buttons to select and confirm at once).
 Use **return** button to go back menu levels.

1 Disc Languages	ENG AUTO ENG
2 Rating Limit	L8
3 Menu Language	English
4 On-Screen Display	On
5 Display Dimming	Auto Dim
6 TV Aspect	4 : 3
7 Digital Audio Output	PCM
8 SCART Output	
9 Expert Settings	

To exit, press RETURN

ok button

return button

Choose the menu language for this player.

1 English
2 Français
3 Deutsch
4 Italiano
5 Español

To cancel, press RETURN

- | | |
|------------------------|--|
| 1 Disc Languages | Sets preferred dialogue, subtitle and disc menu language. |
| 2 Rating Limit | Sets parental lock level to skip over scenes that may be unsuitable. |
| 3 Menu Language | Sets language of the player menus. |
| 4 On-Screen Display | Can be turned off if on-screen messages are not desired when keys are operated. |
| 5 Display Dimming | Sets the player's display: BRIGHT, DIM, or AUTO DIM (while the unit is playing a DVD or video CD). |
| 6 TV Aspect | Switches between 16:9 wide screen TV and conventional 4:3 screen TV. |
| 7 Digital Audio Output | Settings for the digital audio output. |
| 8 SCART Output | Select here what kind of signal the player shall supply for the SCART input of your TV set. |
| 9 Expert Settings | Sets still mode, audio on/off during scan, letterbox or pan/scan on 4:3 TV. |

1 Disc Languages	ENG AUTO ENG
2 Rating Limit	L8
3 Menu Language	English
4 On-Screen Display	On
5 Display Dimming	Auto Dim
6 TV Aspect	4 : 3
7 Digital Audio Output	PCM
8 SCART Output	
9 Expert Settings	

To exit, press RETURN

Stop playing a disc, press **STOP** button. If not on-screen call the set-up menu using the **menu** button.

If you want to exit set-up press **return** button (repeatedly).

Preferred languages



Your preferred languages on discs

Your preferred languages for dialogues, subtitles and menus are those, the player selects for you automatically for all discs (if available). Of course you can change them for each disc (page 19).

A There is no need to make the following settings, for the choice of the language during basic set-up (page 5) has caused these settings:

Did you choose "English" you now have

- the set-up menu in english (page 22),
- the menus of the disc in english (if available),
- the language of the dialogues in english (if available),
- automatically subtitles in english (if available), if there are no dialogues in english.

If there is no english on the disc for menus, dialogues, and / or subtitles, the player selects the default language of the disc. Of course you can change it, if you want (page 19).

- 1 If a disc is playing press **STOP** button.
- 2 Call the set-up menu using **menu** button.
- 3 Select "Disc languages"; press **number button 1**.
- 4 Select what you want to change the language for.
 - a For the dialogue language press **number button 1**.
 - Selecting "Original" the player will choose the priority audio language of the disc.
 - b For the subtitle language press **number button 2**.
 - Selecting "Automatic" the player will choose for subtitles the same language as under "Audio Preference". That means, if your preferred dialogue language (Audio) is being performed, subtitles are not shown and if your preferred dialogue language is not available on the disc, subtitles are shown (if available).
 - c For the menu language press **number button 3**.
- 5 Make your selection using the **number buttons**. The player shows then the previous menu (step 3).
 - If your language is not listed in the menu, select "Other" and enter the appropriate 4-digit-number from the «Language code list» (page 41).
- 6 To exit set-up menu press **return** button.



step 3



step 4a



step 4b



step 4c

basic set-up



Picture/sound output

"4 : 3" / "16 : 9" TV screen



According to your TV screen, Wide-screen (16 : 9) or conventional size (4 : 3), choose the picture aspect.

- 1 If a disc is playing press **STOP** button.
- 2 Call the set-up menu using *menu* button.
- 3 Select "TV Aspect", press **number button 6**.



4a You have a classical (4 : 3) TV screen

Press **number button 1**.

- In case of 16 : 9 movie, you will see black bands appear (letterbox style):
- In case of 4 : 3 movie, you will see the full size:
- See also page 27: "4 : 3 preference".



4b You have a wide-screen (16 : 9) TV set

Press **number button 2**.

- In case of 16 : 9 movie you will see the full size:
- In case of 4 : 3 movie you will see black bands appear:



- 5 To exit set-up menu press *return* button.



Do not use the zoom function on your TV for this set-up, as parts of the picture and menu will be hidden.

- When using the S-video or video connection, unlike when using the SCART connection, the TV screen aspect has to be selected manually on your TV set.
- When using \wedge \vee arrows for selection press *ok* button to confirm.

Picture/sound output



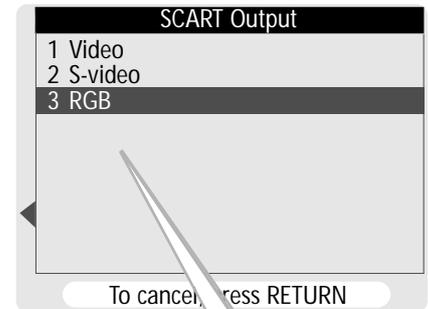
SCART output

Select here what kind of signal the player shall supply for the SCART input of your TV set. Take your TV's manual to see what is the high quality picture format your TV can receive via SCART socket.

- See also the connection pages 34-39.
- Be sure to have the appropriate settings with your TV too.
- When using ^ v arrows for selection press **ok** button to confirm.
- If your TV can receive s-video (Y/C) and RGB via SCART socket, select RGB (player and TV).



- 1 If a disc is playing press **STOP** button.
- 2 Call the set-up menu using **menu** button.
- 3 Select "SCART Output"; press **number button 8**.
- 4a If your TV can only receive normal (composit) video via SCART socket, select "Video"; press **number button 1**.
- 4b If your TV can receive s-video (Y/C) via SCART socket, select "S-video"; press **number button 2**.



4c If your TV can receive RGB, select "RGB"; press **number button 3**.

- 5 To exit set-up menu press **return** button.

recommended choice

Digital audio output

According to your audio equipment connected to the digital output of this player (coaxial or optical) select one of these options.

- See also the connection pages 34-39.

- 1 If a disc is playing press **STOP** button.
- 2 Call the set-up menu using **menu** button.
- 3 Select "Digital Audio Output"; press **number button 7**.
- 4 Set the menu items using the according **number buttons 1, 2, and 3**.

Connection: ↓	menu items →	1	2	3
dubbing*: DVDs to DAT or MD		Yes	PCM	PCM
Dolby Digital decoder		No	Bitstream	PCM
MPEG2 decoder		No	PCM	Bitstream
Dolby Digital + MPEG2 decoder		No	Bitstream	Bitstream
(older) D/A-converter**		Yes	PCM	PCM
nothing connected		No	without importance	

- 5 To exit set-up menu press **return** button.



* Does the DVD contain an audio format of higher quality than 48kHz/16bit (maybe 96kHz/24bit), the player has to convert into a format compatible to DAT or MD. Switch back to "No", to hear via your sound system the better sound quality possibly recorded to a DVD.

** In this case you do not hear the better sound quality possibly recorded to a DVD via your sound system.

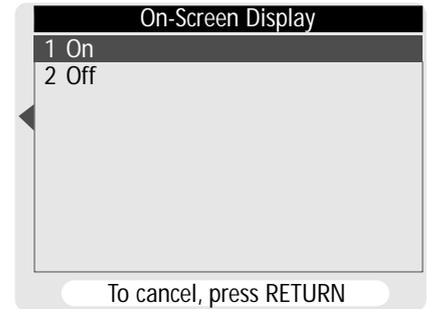


Special settings

On-screen messages

- When using ^ v arrows for selection press *ok* button to confirm.

- 1 If a disc is playing press **STOP** button.
- 2 Call the set-up menu using *menu* button.
- 3 Select "On-Screen-Display"; press **number button 4**.
- 4 Make your selection using **number buttons**.
- 5 To exit set-up menu press *return* button.



Player's display dimming

- When using ^ v arrows for selection press *ok* button to confirm.

- 1 If a disc is playing press **STOP** button.
- 2 Call the set-up menu using *menu* button.
- 3 Select "Display Dimming"; press **number button 5**.
- 4a If you want the player's display always be illuminated brightly select "Always Bright" using **number button 1**.
- 4b If you want the player's display always be illuminated not so brightly select "Always Dim" using **number button 2**.
- 4c If you want the player's display be illuminated not so brightly during DVD or video CD playback select "Auto Dim" using **number button 3**.
The display resumes brightness when a button for slow, search, still, etc. is being pressed.
- 5 To exit set-up menu press *return* button.



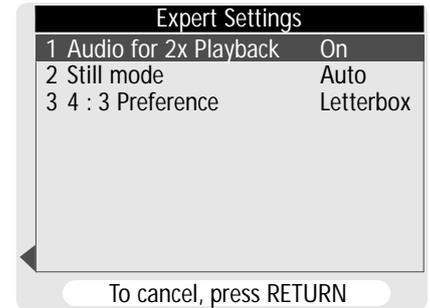
Special settings



Expert settings

- When using \wedge \vee arrows for selection press **ok** button to confirm.

- 1 If a disc is playing press **STOP** button.
- 2 Call the set-up menu using **menu** button.
- 3 Select "Expert Settings"; press **number button 9**.

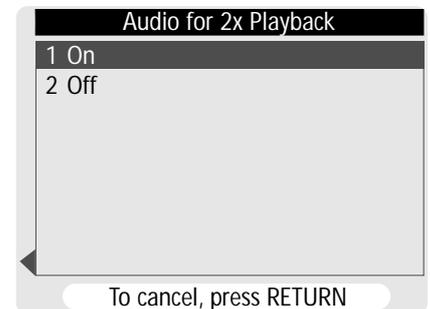


step 3

4a Audio for 2x playback

If you want to hear the sound during visual search / scan select "Audio for 2x Playback" using **number button 1**.

Select the preferred value using **number button 1** or **2**.



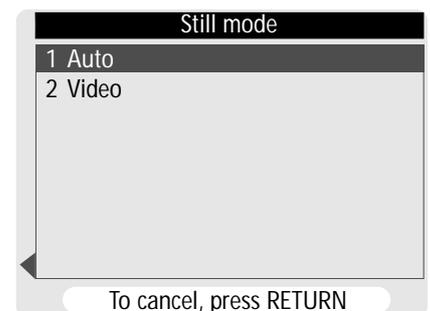
step 4a

4b Still mode

Usually the player selects automatically "Auto" the best still format for film (frame) or video (field).

However sometimes it may be necessary to select manually to obtain the best still quality. To select "Still mode" press **number button 2**.

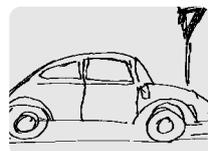
Select the preferred value using **number button 1** or **2**.



step 4b

4c "4 : 3" preference

If you have a normal "4 : 3" size TV set, you can choose the way you want to see the new "16 : 9" format films.

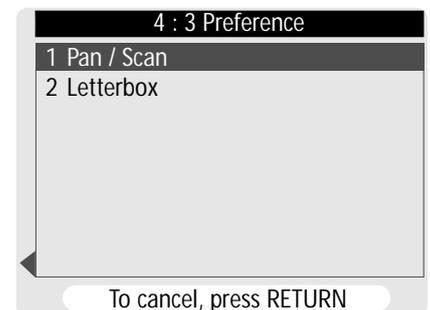


pan / scan style
(if available)



letterbox

Select "4 : 3 Preference" press **number button 3**.
Select the preferred value using **number button 1** or **2**.



step 4c

- 5 To exit set-up menu press **return** button.



Rating limit

Select a rating limit

This feature helps you control the type of discs or programme your family can watch. In case some discs, or scenes exceed the rating limit you have set, they will not be played.

- When using ^ v arrows for selection press **ok** button to confirm.

It works only with DVDs that have been assigned a rating limit and is therefore disc-dependent.

1 If a disc is playing press **STOP** button.

2 Call the set-up menu using **menu** button.

3 Select "Rating Limit"; press **number button 2**.

4 Set the rating system to the limit you want, to permit or prohibit playback of unsuitable scenes or (adult) programmes, using the **number buttons**.

- The high number allows all titles, whereas the "0" will forbid playing of all titles.

5 If you have selected limit 7 or lower choose a personal 4-digit code number and type it in using the **number buttons**, to lock the limit and keep it from being changed (optional).

- The rating is locked. Any disc whose rating is higher than your setting cannot be played unless the correct code number is entered.

6 Confirm with **ok** button.

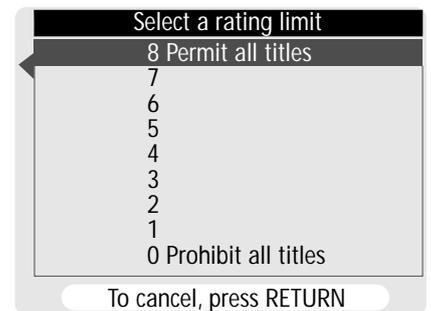
- The closed lock symbol shows the setting is locked now.

7 Confirm with **ok** button again.

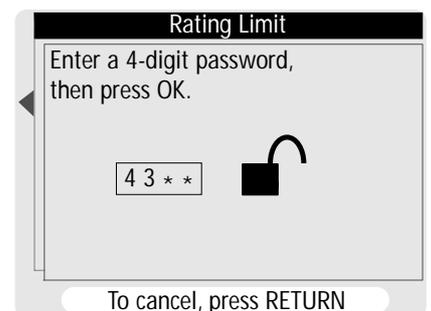
8 To exit set-up menu press **return** button.

- Not all DVD discs include rating information that makes the rating system work, though their disc jacket may say that they are "for adults only". Consequently, discs without rating information will be played, even if the player is locked by a code.
- No message will appear when an incorrect code number is entered.

Do not forget your secret password!



step 3



step 5



step 6

Rating limit



Changing rating items

- 1 If a disc is playing press **STOP** button.
- 2 Call the set-up menu using **menu** button.
- 3 Select "Rating Limit"; press **number button 2**.

- 4 Type in your personal 4-digit code number to unlock the limit.



- 5 Confirm with **ok** button.

6a To cancel the rating limit

1. Press **number button 1**.
2. Confirm with **ok** button.

The player releases the lock and sets the limit to "8" (no limit).

6b To change the code number

1. Press **number button 2**.
2. Type in your new 4-digit code number.
3. Confirm with **ok** button.

6c To set another limit

1. Press **number button 3**.
2. See page 28.

6d To temporarily override the limit (a disc long)

1. Press **number button 4**.
2. Confirm with **ok** button.

- 7 To exit set-up menu press **return** button.



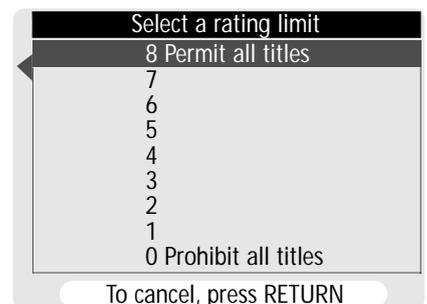
step 3



step 6a



step 6b



step 6c



step 6d

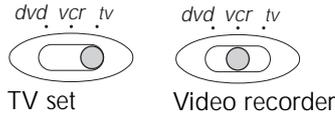


Universal remote control

Universal remote control set-up

To prepare your remote control to work together with your TV and / or your video recorder too. This way you are able to control your video equipment using a single remote control.

- 1 Position the switch **dvd•vcr•tv** to the device you want to control.



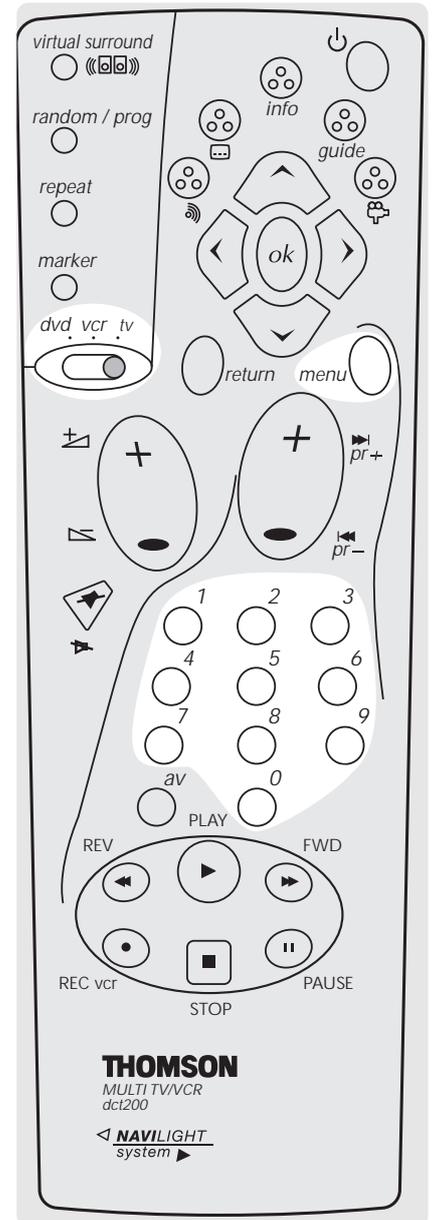
- 2 Look for the 3-digit code number(s) of your device's brand in the table of brands on the next page. (Maybe you mark it with a pencil.)

- 3 Press and hold the **menu** button.

- 4 Holding the **menu** button, type in the 3-digit code using the **number buttons**.

- 5 Release the **menu** button.

- Try to operate the device by switching it on / off using the button.
- If it doesn't work, repeat from step 2 with another 3-digit code number.



- Not all TV or VCR models can be operated with the universal remote control supplied.
- Try out which functions you can control using this remote control.
- Maybe you cannot control all the functions of your tv set or video recorder. Try to find the most efficient code number of your brand (for brands with several codes).
- If you have replaced the batteries of the remote control, perform the remote control set-up again.



Universal remote control set-up

Table of TV set brands

Multi TV brand	Code
Akai	008, 020
Akari	028
Bang & Olufsen	009, 019
Blaupunkt	023
Bluesky	020
Brandt	000, 001, 010, 020
Brionvega	019
CGE	016
Continental Edison	004
Daewoo	020, 025
Elbe	005, 015, 023
Ferguson	000, 001, 003, 004, 010
Finlux	019, 020, 024
Fisher	008
Formenti	019
Goldstar	020
Grundig	016, 023, 024
Hitachi	007
Imperial	016
JVC	013
Kneissel	020, 025
Loewe	020
Loewe opta	019, 020
Luxor	005
Metz	013, 019, 023
Mitsubishi	017, 018, 020
Mivar	016
Nokia	005
Nordmende	000, 001, 010, 020
Orion	005, 020
Panasonic/National	005, 012, 026
Philips	019-021
Phonola	019-021
Pioneer	001, 005
Polytron	020, 027, 029
Radiola	019-021
Radiomarelli	019
Rex	005
Saba	000, 001, 005, 010, 019, 020
Salora	005
Samsung	020, 030
Sanyo	008, 018
Schaub-Lorenz	005, 016, 020
Schneider	019-021
Seleco	005
Sharp	018, 022
Siemens	023
Singer	001, 002, 019
Sinudyne	019
Sonitron	008
Sony	014, 018
Teleavia	001, 010, 020
Telefunken	000, 001, 002, 010, 020
Thomson	000, 001, 002, 010, 020
Toshiba	006, 016, 018, 024
Wega	019
Yokan	020, 025
Yoko	020

Table of video recorder brands

Multi VCR brand	Code
Aiwa	067, 068
Akai	003-008
Blaupunkt	008, 009, 062
Brandt	001, 002, 010, 012, 059
Daewoo	040-047
Ferguson	001, 002, 010, 012, 051, 053, 055, 057, 059
Fisher	035-037
Funai	030
Goldstar	023, 034
Grundig	061, 069, 070
Hitachi	010, 012, 022, 023
JVC	006, 010-013
Mitsubishi	048, 049
NEC	039
Nokia	003, 010, 035, 038
Nordmende	001, 002, 010, 012, 054-057, 059
Orion	024-029
Panasonic	008, 009, 062
Philips	061-066
Radiola	061-066
Saba	001, 002, 010, 012, 053, 055-057, 059
Samsung	033
Sanyo	019-021
Schneider	061-066
Sharp	031, 032
Sony	015-018
Teleavia	001, 010, 012, 059
Telefunken	001, 002, 010, 012, 055, 059
Thomson	001, 002, 010, 012, 054, 057-059
Toshiba	010, 011, 014

If you do not find the brand of your video recorder or TV, you may succeed with codes from other brands.

Lists of codes are still subject to changes.



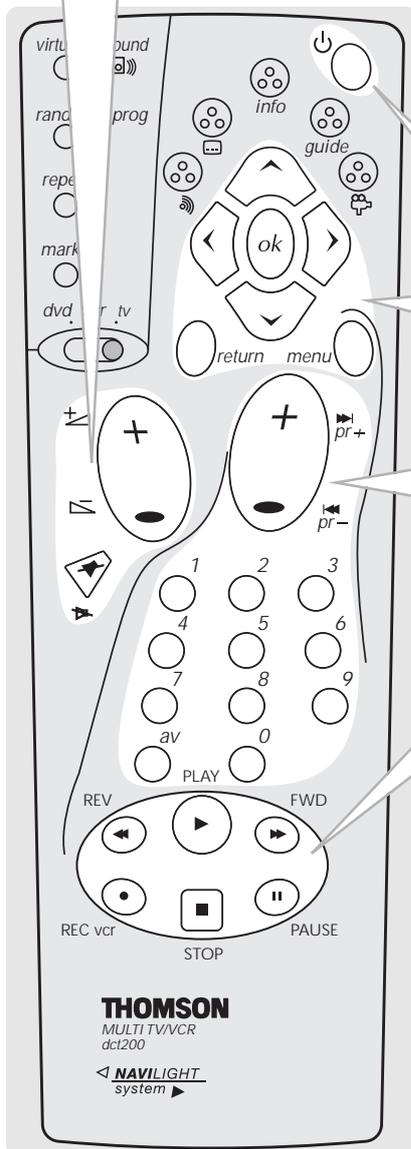
Universal remote control

TV and video controls

This remote control lets you comfortably control your TV set and video (**to prepare the remote control** see the pages 30-31).

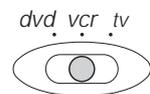
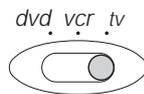
- ⚠ Please refer to the manuals of your TV set or video recorder.
- ⚠ Be sure to set the remote for the appliance you want to control.
- ⚠ While in "tv" position the transmission mode of PLAY, STOP, REV, FWD, REC, and PAUSE depends on the previous selected mode "dvd" or "vcr". I. e. if switched over from "vcr" to "tv", the buttons will control the video.


 the volume buttons and volume on / off button are always available for the TV set.



TV control

Video control



The  button to switch your set on and off (stand-by).

Menu controls or special functions (THOMSON sets only, page 33).

Number buttons and **pr+ / pr-** buttons to select stations.
av button to select the AV input.

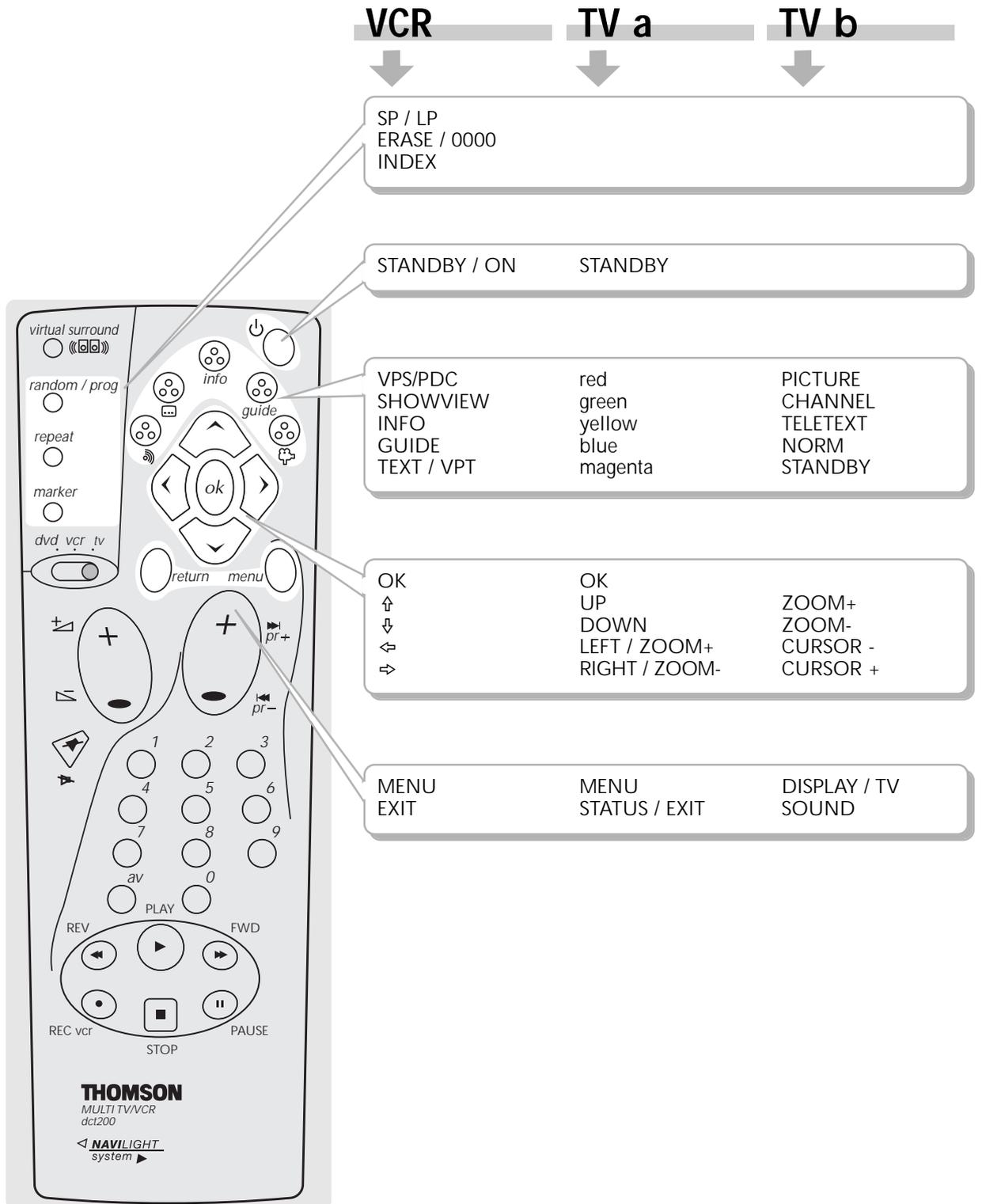
REC vcr button for record stand-by.
PLAY button to start playback or recording.
REV or **FWD** buttons for winding (after STOP) and visual search (while playing) in both directions.
STOP button to stop a tape.
PAUSE button for a still. To see slow motion press **REV** or **FWD** button (repeatedly).

⚠ Other buttons offer other functions according to your equipment (page 33).

Universal remote control

Special Thomson TV and video controls

Some special functions using a tv set or video recorder from Thomson, Telefunken, Nordmende, Saba, Ferguson, etc.



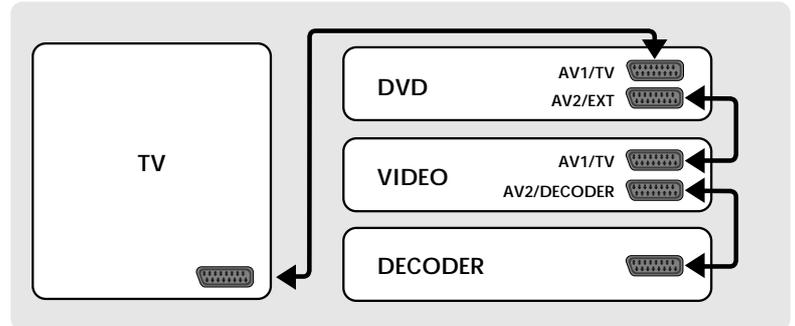
set-up

Basically

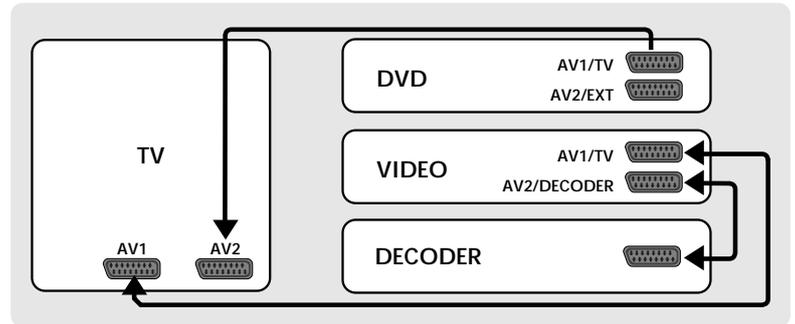
In order to ensure the best picture quality, you should first connect your DVD player directly to your TV set, and then arrange the connections to your other audio / video equipment.

- ⚠ Do not stack electronic components or other objects on top of the DVD player.
- ⚠ Do not block ventilation holes of any of the components.
- ⚠ Arrange components so that air can circulate freely.
- ⚠ Also consult the user's manual of additional components for further information.
- ⚠ See page 25, the **SCART Output** selection for AV1: Video / S-Video / RGB.

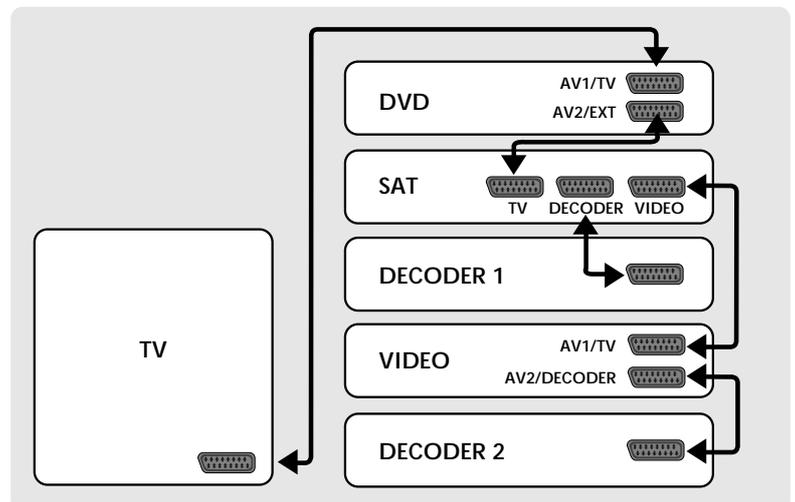
Connecting a video recorder and a decoder (for pay TV)



Connecting to a TV with two SCART sockets



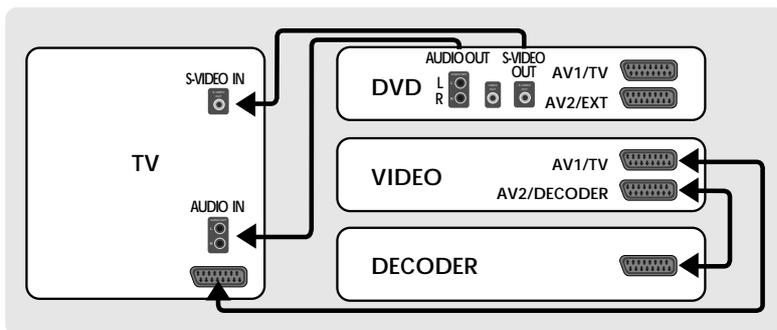
Connecting a satellite receiver, video recorder and decoders



Video connections



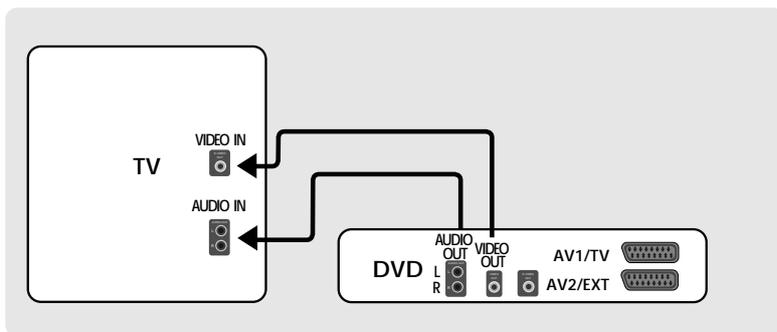
Connecting an S-Video (Y-C) capable TV to the player *



If the S-Video / RGB SCART socket is not free.

You need a special S-Video cable (not provided) for the video connection and Cinch cables for audio left and right (provided). Connect your DVD player to your TV set with one video cable only - either SCART, or S-Video, or Video Phono (Cinch).

Connecting the player to a TV with no SCART socket but only phono inputs. *



For a monaural TV set, use a Y-shaped audio cord (not provided).

* When using the S-video or video phono (cinch) connection,

unlike when using the SCART connection, select on your TV set manually the correct AV input and the TV screen aspect: 4 : 3 or 16 : 9 (see your TV user's manual).

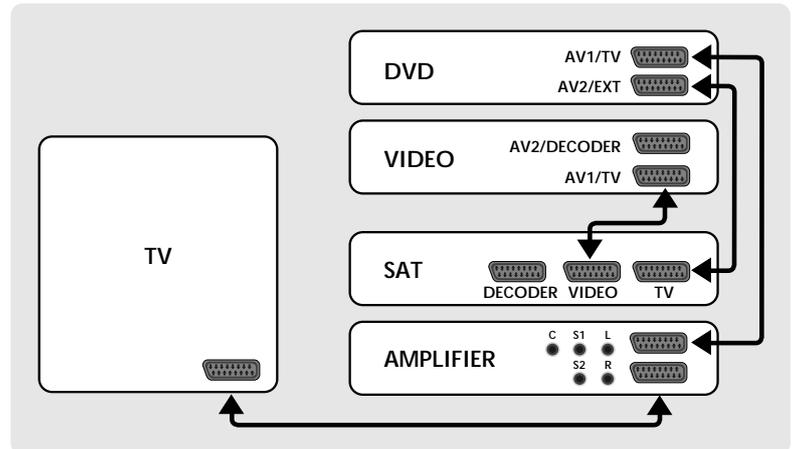
In this case, do not connect any device to the AV2 socket of the DVD player, because the picture of this other device will not appear on your TV screen.



Audio connections

Connecting an audio / video amplifier (receiver) with two SCART sockets (sold separately)

- If you have a Dolby Pro Logic surround decoder, you will obtain the full benefit of Dolby Pro Logic sound from DVD movies, either from DVD titles with the Dolby Digital mark, as well as from DVD titles with the Dolby Surround mark.
- The Dolby Pro Logic Surround System encodes 4 sound channels in the two stereo soundtracks of a disc.

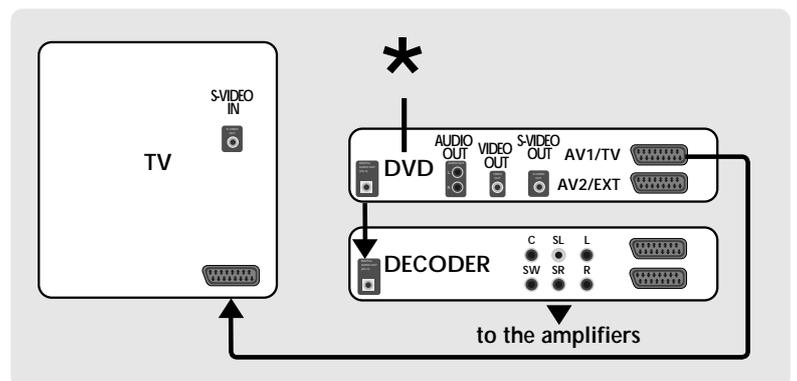


MPEG (Multichannel)



Connecting a Dolby Digital (AC-3) or MPEG 2 audio multichannel (5.1) decoder using an optical or a coaxial digital audio cable (not supplied)

- "Dolby", "Pro Logic", "Dolby Digital" and the double-D logo are trademarks of Dolby Licensing Laboratories.
- The Dolby Digital (AC-3) and MPEG 2 audio system provides 5 separate digital channels plus a subwoofer output.
- Refer to the documentation of your Dolby / MPEG 2 audio equipment.



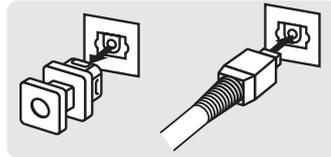
* According to your equipment you can use the optical or coaxial output to connect the player to your decoder.

- Audio from devices connected to the SCART terminals will not be output by the AUDIO OUT terminal.

Audio connections



When connecting the optical audio digital cable:



1. Remove the dust protection cap from the connector and connect it firmly as shown on the drawing.
2. Keep the dust protection cap and always reattach the cap when not using the connector, to protect against dust.

The audio output from the unit's optical / coaxial digital audio output connector



* The type of audio output from the connector you can select during the set-up procedure (see page 25).

** The player converts sound having 96 kHz sampling, into 48 kHz sampling before it is output from the unit's optical / coaxial digital audio output connector.

- Linear PCM is a signal recording format used in CDs. While CDs are recorded in 44.1 kHz / 16 bit, DVDs are recorded in 48 kHz / 16 bit up to 96 kHz / 24 bit.

	Sound recording on the disc	Digital audio output from optical / coaxial connector
DVD	Dolby Digital (AC-3)	Dolby Digital bitstream (2 – 5.1 channels) or linear PCM (2 channels, 48 kHz / 16 bit) *
	Linear PCM (48 / 96 kHz / 16 / 20 / 24 bit)	Linear PCM (2 channels, 48 kHz sampling / 16 bit only), or no output **
	MPEG2	MPEG audio bitstream or linear PCM (2 channels, 16 bit) *
Video CD	MPEG1	Linear PCM (44.1 kHz sampling)
CD	Linear PCM	Linear PCM (44.1 kHz sampling)

This player's digital audio (optical and coaxial) output jacks:

fully comply with the international standard governing this type of jack (IEC 958). They are designed exclusively for connection to a Dolby Digital (AC-3) or MPEG2 audio receiver or a suitable decoder.

Do not use ...

the Digital Audio Output jacks to connect to an equipment other than a Dolby Digital (AC-3) or MPEG 2 receiver or a suitable decoder.

Such a connection can create a high level of noise that may be harmful to your ears, and could damage headphones or speakers. Older digital equipment, some of which is not fully compliant with IEC 958, is likely to cause this problem.

The same should be applied with the so-called "optical or coaxial REC.OUT jack" of Dolby Digital (AC-3) decoders, when they are connected to this DVD player. Since REC.OUT is a 1:1 copy of the decoder's input, no other equipment should be connected there.



Audio connections

Surround sound

Your DVD player

will always deliver a high-quality 2-channel (stereo) signal to the audio output, regardless of whether the soundtracks on DVD movies are in 2-channel stereo, in Dolby Surround, in Dolby Digital (AC-3) or in MPEG2 audio multichannel. In some cases the soundtracks may be single channel (mono) only, then the output will also be mono only.

In order to benefit from the full digital 5-channel surround sound (Dolby Digital or MPEG2 audio) you need an external appropriate decoder, which has to be hooked up to the special optical or coaxial audio digital output (page 36/37).



Dolby Digital (AC-3) *

Dolby Digital are digital sound compression techniques developed by the Dolby Laboratories for digital multi-channel audio signals. The Dolby Digital system supports any configuration of audio channels, from stereo (2-channel) sound, up to 5.1 digital surround.



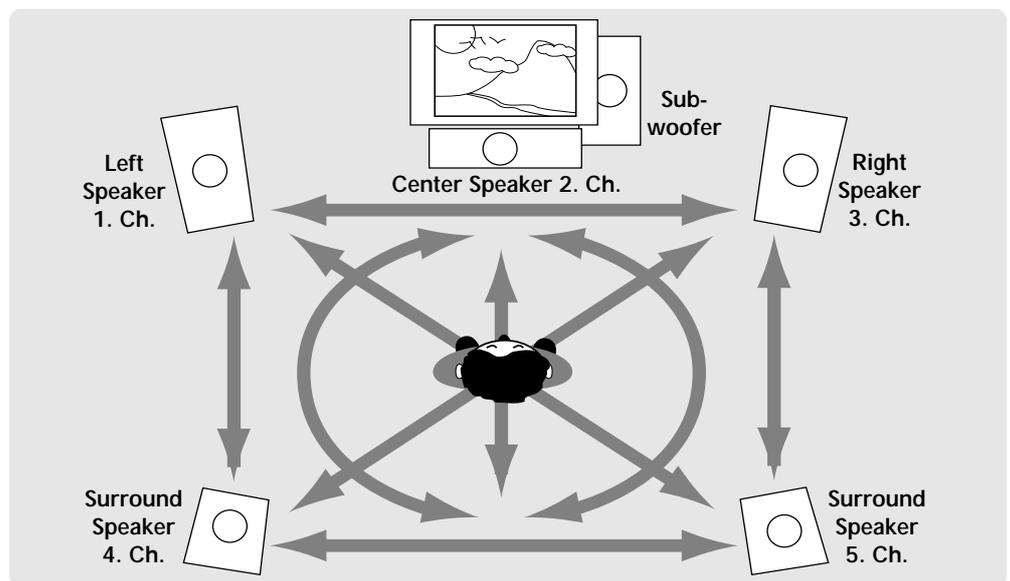
MPEG2 audio multichannel

The newly-developed MPEG2 audio multichannel technology is implemented for digital sound compression.

The MPEG2 audio multichannel system supports any configuration of audio channels, from stereo (2-channel) sound, up to 7.1 digital channels including 5.1 surround sound.



Example of a Dolby Digital (AC-3) / MPEG2 audio multichannel ** surround configuration with 5 channels + subwoofer. (sold separately)



** MPEG Multichannel

This logo for MPEG Multichannel is a trademark registered by PHILIPS Corporation.

Audio connections



Surround sound



If you have a Dolby* Pro Logic Surround decoder,

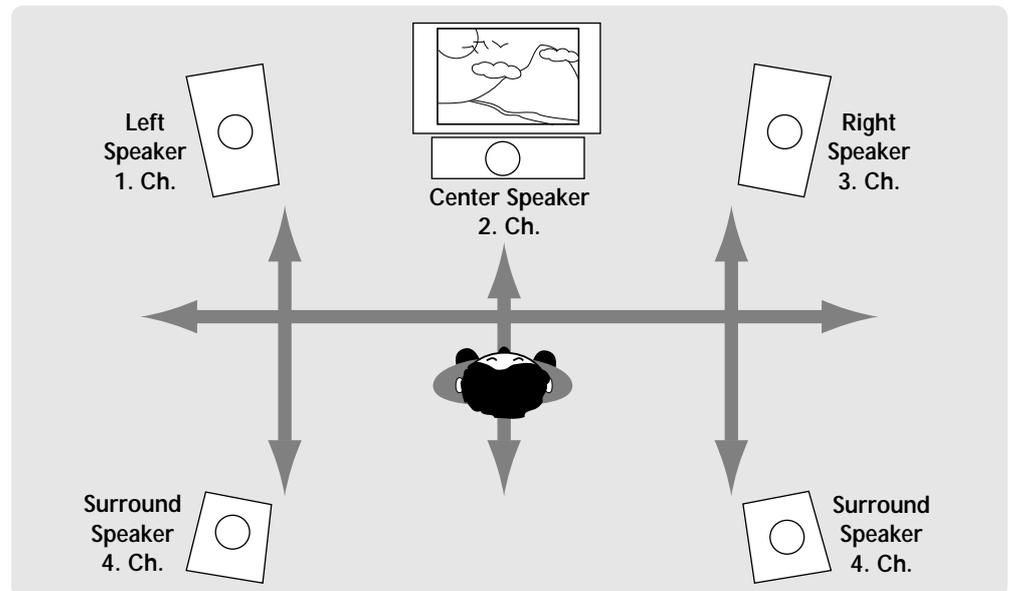
you will get the full benefit of Pro Logic either

- from titles with the Dolby Surround Mark, or
- from DVD movies that provide full 5.1 channel Dolby Digital soundtracks.

In both cases your Pro Logic decoder has to be hooked up to the 2-channel analog output of the DVD player.



Example of a Dolby* Pro Logic surround configuration (sold separately)



set-up

* Manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby", "Dolby Pro Logic", "Dolby Digital (AC-3)", and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Copyright 1992 Dolby Laboratories Inc. All rights reserved.



Appendix: regional codes

Regional codes information

This DVD player is designed and manufactured to respond to the region management information that is recorded on a DVD disc. If the region number described on the DVD disc does not correspond to the region number of this DVD player, this DVD player cannot play the disc.
The region number for this DVD player is region No. 2.

Region No. 1: USA, Canada

Region No. 2: Europe, the Middle East, Rep. of South Africa, Japan

Region No. 3: Southeast Asia, Taiwan

Region No. 4: Central America, South America, Australia, Mexico, New Zealand

Region No. 5: Russian federation, Africa (except Egypt and Rep. of South Africa), India, Pakistan

Region No. 6: China

List of countries (for region No. 2)

Albania
Andorra
Austria
Bahrain
Belgium
Bosnia and Herzegovina
Bulgaria
Croatia
Cyprus
Czech
Denmark
Egypt
Finland
France, Metropolitan
Germany
Gibraltar
Greece
Greenland
Hungary

Iceland
Iran
Iraq
Ireland
Israel
Italy
Japan
Jordan
Kuwait
Lebanon
Liechtenstein
Luxembourg
Macedonia
Malta
Monaco
Netherlands
Norway
Oman
Poland

Portugal
Quatar
Romania
San Marino
Saudi Arabia
Serbia
Slovakia
South Africa
Spain
Sweden
Switzerland
Syrian Arab Republic
Turkey
United Arab Emirates
United Kingdom
Vatican City State
Yemen
Yugoslavia

Lists still subject to change

These DVD discs you can play with your player (examples):



So, if you're going to buy a DVD disc, pay attention to "region No. 2"

Appendix: language codes



Language code list

For the initial settings "Your preferred languages on discs (dialogue, subtitles, menus)" (see page 23), if the language you want is not listed in the menu, select "Other" and enter the appropriate 4-digit-number from this list. Press the < arrow to delete a mistake. Do not forget to press the **ok** button to confirm.

- You can temporarily change the audio language "🔊" and the subtitle language "📄" for one disc, using the respective button on the remote control (see page 19).
- For some DVDs which offer a DVD menu, you may also press the **menu** button and follow the steps offered by the disc-specific menu to make your dialogue, subtitles, menus language selection according to what is available on that particular disc.

Region No. 2 languages	code	Other languages	code	Language abbreviations used in the player's menus.
Afrikaans	6570	Abkhazian	6566	See page 19.
Albanian	8381	Afar	6565	CHI _____ Chinese
Arabic	6582	Ameharic	6577	DAN _____ Danish
Armenian	7289	Assamese	6583	DEU _____ German
Basque	6985	Aymara	6588	ENG _____ English
Breton	6682	Azerbaijani	6590	ESP _____ Spanish
Bulgarian	6671	Bashkir	6665	FRA _____ French
Catalan	6765	Bengali, Bangla	6678	ITA _____ Italian
Corsican	6779	Bhutani	6890	JPN _____ Japanese
Croatian	7282	Bihari	6672	KOR _____ Korean
Czech	6783	Burmese	7789	MAL _____ Malay
Danish	6865	Byelorussian	6669	NLD _____ Dutch
Dutch	7876	Cambodian	7577	NOR _____ Norwegian
Esperanto	6979	Chinese	9072	POR _____ Portuguese
Finnish	7073	Estonian	6984	RUS _____ Russian
Frisian	7089	Faroese	7079	SVE _____ Swedish
Galician	7176	Fiji	7074	THA _____ Thai
Greek	6976	Georgian	7565	VIE _____ Vietnamese
Greenlandic	7576	Guarani	7178	• _____ Other
Hebrew	7387	Gujarati	7185	AUTO _____ Automatic
Hindi	7273	Hausa	7265	ORIG _____ Original
Hungarian	7285	Indonesian	7378	
Icelandic	7383	Javanese	7487	
Interlingua	7365	Kannada	7578	
Irish	7165	Kashmiri	7583	
Japanese	7465	Kazakh	7575	
Latin	7665	Kirghiz	7589	
Macedonian	7775	Korean	7579	
Maltese	7784	Kurdish	7585	
Norwegian	7879	Laothian	7679	
Persian	7065	Latvian, Lettish	7686	
Polish	8076	Lingala	7678	
Portuguese	8084	Lithuanian	7684	
Romanian	8279	Malagsy	7771	
Sanskrit	8365	Malay	7783	
Scots Gaelic	7168	Malayalam	7776	
Serbian	8382	Maori	7773	
Serbo-Croatian	8372	Marathi	7782	
Slovak	8375	Moldavian	7779	
Slovenian	8376	Mongolian	7778	
Swedish	8386	Nauru	7865	
Turkish	8482	Nepali	7869	
Turkmen	8475	Oriya	7982	
Welsh	6789	Panjabi	8065	
Yiddish	7473	Pashto, Pushto	8083	
		Quechua	8185	
		Rhaeto-Romance	8277	
		Russian	8285	
		Samoan	8377	
		Shona	8378	
		Sindhi	8368	
		Sinhalese	8373	
		Somali	8379	
		Sundanese	8385	
		Swahili	8387	
		Tagalog	8476	
		Tajik	8471	
		Tamil	8465	
		Tartar	8484	
		Telugu	8469	
		Thai	8472	
		Tibetan	6679	
		Tigrinya	8473	
		Tonga	8479	
		Twi	8487	
		Ukrainian	8575	
		Urdu	8582	
		Uzbek	8590	
		Vietnamese	8673	
		Volapük	8679	
		Wolof	8779	
		Xhosa	8872	
		Yoruba	8979	
		Zulu	9085	



Appendix: what to do if ...

Before requesting service (troubleshooting)

Symptom	Remedy
No power?	<p>Power</p> <ul style="list-style-type: none"> • Correctly connect the AC Power Cord to an AC Outlet. • The player left without any operation, without pressing any button for about 30 minutes, will switch off automatically (Auto Power Off). Press the ⏻ or STANDBY button to switch the player on again.
Power is switched off automatically?	
U11	<p>Self Diagnosis Display</p> <ul style="list-style-type: none"> • Wipe the disc clean (page 2). • Set the STANDBY button to OFF (light on) and then back to ON. Alternatively, turn off the power, disconnect the power plug and then re-connect it. (The player may not be operating properly due to lightning, static or some other external factor.) • If the service number fails to be cleared even when the remedial action is taken, contact your dealer or your service center.
Codes beginning with a "H" H □ □. No button operation is effective (by the unit and / or the remote control).	
There is no picture?	<p>Video and Audio</p> <ul style="list-style-type: none"> • Turn on the TV. • Make connections correctly. • Make the correct input selection on the TV. • Search, forward or reverse playback generates a slight distortion, but this is not a malfunction. • Select "Video" in still mode selection (page 27). • Make connection correctly. • Make the correct audio input selection and volume adjustment on the TV or stereo components (amplifier or AV selector). • No sound is reproduced during pause (still picture), still picture advance, or slow playback. • Turn off the DVD player. • Adjust the master volume "🔊" using the info display screen. (Press the yellow info button <u>twice</u>, page 13).
The picture is distorted or unstable during search, forward or reverse?	
Jitter occurs in picture still.	
No sound is reproduced? The sound can hardly be heard?	
Noise interference appears on the TV, while watching a TV broadcast and the DVD player is left on?	
Volume level differences playing different disc types (DVDs, audio / video CDs).	



Symptom	Remedy
Operation is not possible?	<p>Remote Control</p> <ul style="list-style-type: none"> • Load the batteries with their polarities (+ and -) aligned correctly (page 4). • Batteries are low. Replace with new ones (page 4). • Point the remote control to the front of the player (page 7). • Operate the remote control within 8m distance of the player. • Remove any obstacles between the remote control and the remote sensor of the player.
Single "⊗" appears on-screen?	<ul style="list-style-type: none"> • When "⊗" appears on-screen, it indicates an invalid button press.
TV or video recorder cannot be operated by the remote control.	<ul style="list-style-type: none"> • Not all models can be operated with the universal remote control supplied.
Playback does not start when the PLAY button is pressed?	<p>Playback</p> <ul style="list-style-type: none"> • Make sure that the disc (single sided) is loaded correctly with the title label facing up.
Playback stops immediately after the PLAY button is pressed?	<ul style="list-style-type: none"> • This player can play a DVD, Video CD and Audio CD only, check that your disc belongs to one of these formats (see page 11). • The disc is dirty. Wipe it with a soft and clean cloth (page 2). • Condensation occurred inside this player. Leave this player at room temperature for 1 or 2 hours.
A screen informs you that the disc cannot be played.	<ul style="list-style-type: none"> • The disc's region No. differs from your player's region No. (page 40).
A screen asks you if you want to override the player's rating level or to make another programme selection.	<ul style="list-style-type: none"> • Your initialised rating setting in the set-up menu prohibits the playing of this DVD. This DVD has been set with an age restriction (page 18 / 28).
Search forward & reverse playback cannot be performed.	<ul style="list-style-type: none"> • Some DVDs have segments where search forward & reverse playback functions will not work.
The Video CD cannot display a menu?	<ul style="list-style-type: none"> • Only a Video CD with playback control (PBC) can display a menu.
No picture or the picture shown is not the DVD picture.	<ul style="list-style-type: none"> • Switch off the other video device connected to the AV2 jack of the DVD player. • Ensure that the input setting for the TV is an audio / video (AV) position, e. g. AV 1, AV 2. • Check the SCART output selection for AV 1 (video / s-video / RGB), page 25.



Appendix: what to do if ...

Before requesting service (troubleshooting)

Symptom	Remedy
	<p>Subtitle (☐), Audio (🔊), angle (📷), etc. Disc menu operation and contents may differ from disc to disc. Please refer to the instructions accompanying the disc.</p>
The subtitle is not displayed?	<ul style="list-style-type: none"> • Check if the subtitle is recorded on the disc. • Subtitles are cleared from TV screen. See page 19 to display the subtitles.
Subtitle (or Audio) setting cannot be changed?	<ul style="list-style-type: none"> • The disc being played has been recorded in only one language. • Depending on the type of DVD, some segments limit the language selection.
You have forgotten your code number (password) to change the rating level?	<ul style="list-style-type: none"> • While in stop mode hold down PREVIOUS, PAUSE and STANDBY buttons of the unit simultaneously for more than 3 seconds. The password lock will be released and all initial settings will return to the default values. Please note, that in this case you should switch the unit OFF and then back ON again. You will see a choice of menu language to be re-made. After pressing the corresponding numeric key on the remote control, you will need to proceed with the other initial settings, as you did when you first installed the unit. (set-up menu: page 23-29).
Picture is not displayed correctly on the TV at 4 : 3 or 16 : 9 aspect ratio?	<ul style="list-style-type: none"> • According to your TV make the correct "TV Screen" settings in the set-up menu (page 24). • Do not use zoom function on your TV, as parts of the picture and menu may be lost.
On-screen display messages are not shown on the TV screen?	<ul style="list-style-type: none"> • The setting of "On-Screen Display" is set to "Off". Set it to "On" in the set-up menu (page 26).
The camera angle cannot be changed with the angle "📷" button?	<ul style="list-style-type: none"> • This function does not work when a DVD has not been recorded with a multi-camera angle system. Some DVDs use a multi-camera angle system only in certain portions of the DVD.
The menu language is not the one you want?	<ul style="list-style-type: none"> • The menu language for your <u>player</u> has not been set during set-up (page 22). • Your preferred menu language on a DVD <u>disc</u> (if available) has not been set during set up (page 23). • The menu is not available on the DVD <u>disc</u> in your language.
Audio (spoken) and / or subtitle language is not the one selected during the initial player set-up?	<ul style="list-style-type: none"> • If the audio or subtitle language is not available on the DVD <u>disc</u>, the language selected during initial player set-up will not be heard or seen. The <u>disc's</u> priority language (default language) is selected automatically. If you want another language, press audio "🔊" button and subtitle "☐" button in order to select it temporarily for this disc. (Or press menu button during playback, if the disc has its own language selection menu.)



DVD copy protection

In accordance with the DVD standard, your DVD player is equipped with a Copy Protection Device, 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.»

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Dear customer,

please remember, that when this product has reached the end of its life, you have to take care for a proper disposal of this product.



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Appendix: guarantee/technical data

Guarantee

For users in Great Britain see page 47

The guarantee certificate delivered with your DVD player includes the production type and number of your set. Keep this certificate as well as the invoice. They are indispensable documents to claim your rights to the guarantee if your set should prove to have a defect.

- All repairs during the guarantee period should be undertaken by an authorised technician representing our brand.
- Any departures from this rule shall lead to the cancellation of your guarantee rights.

Technical data

Power requirements:	AC 220 - 240 V \pm 10 %, 50 Hz
Power consumption:	21 W (approx. 3.5 W when power is OFF)
Weight:	3.5 kg
Dimensions:	400 x 72 x 290 mm (excluding protrusions)
Operating temperature range:	+ 5 to + 35° C
Operating humidity range:	5 to 90% (no condensation)
Disc played:	(1) DVD-Video disc: PAL and NTSC 12/8 cm single-sided, single-layer 12/8 cm single-sided, double-layer 12/8 cm double-sided, single-layer (2) Compact disc Audio 12/8 cm disc (3) Video CD: PAL and NTSC 12/8 cm disc
Signal system:	PAL 50 - 60 Hz (PAL 625/50, PAL 525/60), a PAL 60 Hz capable TV set is required to play back NTSC discs.
Audio signal output characteristics:	1) Frequency response: DVD linear audio 48 kHz sampling: 2 Hz to 22 kHz (EIAJ) DVD linear audio 96 kHz sampling: 2 Hz to 44 kHz (EIAJ) CD Audio: 2 Hz to 20 kHz (EIAJ) (2) S/N ratio: 116 dB (EIAJ) (3) Dynamic range: DVD linear audio: 102 dB (EIAJ) CD audio: 99 dB (EIAJ) (4) Wow and flutter: below measurable limits (5) Total harmonic distortion: less than 0.0025%
Pickup:	Wave length: 655 nm, Laser power: CLASS 2
Phones jack:	32 Ω (30 mW), min. 8 Ω matching impedance

- Specifications are subject to change without notice.
- Weight and dimensions are approximate.



Guarantee

For users in Great

This guarantee is automatically effective from the date of purchase of the equipment. The appropriate sections should be completed by the dealer and purchaser at the time of purchase.

This guarantee should then be retained by the purchaser and kept safely so that it may be referred to and produced if required should a claim be made during the guarantee period.

Terms of Guarantee

1. The component parts used in this equipment are guaranteed against failure due to faulty material or workmanship for a period of one year from the date of purchase.
2. Should the equipment fail to operate satisfactorily it should be reported to the dealer from whom it was purchased who will normally be able to provide service and make any claim under the guarantee on your behalf.
3. If it proves impossible to contact the dealer you should contact the Thomson Multimedia Sales U.K. Ltd. Service Depot for advice stating the model and serial numbers, date of purchase, and the name and address of the dealer from whom it was bought.
4. The guarantee is effective in the United Kingdom only.
5. Thomson Multimedia Sales U.K. Ltd., reserves the right to vary the specification of the equipment without notice.

This Guarantee in no way affects any statutory right of a consumer.

FOR COMPLETION BY THE PURCHASER

Purchaser's Name

Address

.....

.....

PLEASE NOTE: It will not be necessary for the dealer or purchaser to return this guarantee to Thomson Multimedia Sales U.K. Ltd. when making a claim under guarantee, unless requested to do so, provided that the model and serial numbers, date of sale, and the purchaser's name and address are quoted on the order or advice note.

FOR COMPLETION BY THE DEALER

MODEL No

SERIAL No.....

DATE OF PURCHASE

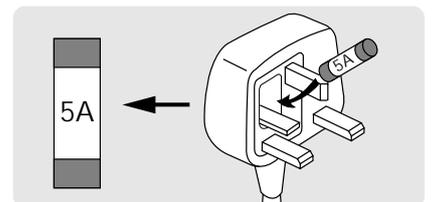
Dealer's Stamp or Name and Address

The fused plug

A fused plug must be fitted with a 5A fuse approved by ASTA or BSI to BS 1362 and fuse covers must always be securely replaced.

If your set does not work, the fuse may be blown.

The  button (power stand-by) on the remote control does not completely disconnect the unit from the mains supply but switches operating power on and off.





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