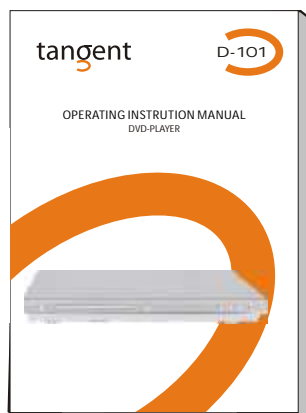


tangent

D-101

OPERATING INSTRUCTION MANUAL
DVD-PLAYER





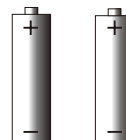
Operation manual



Remote control



Scart cable



Two batteries

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A triangle with a lightning symbol draws the user's attention to "dangerous voltage" without insulation in the housing which may be high enough to entail a risk of electric shock.



A triangle with an exclamation mark draws the user's attention to important instructions for use and maintenance in the accompanying manual which should be studied.



Symbol for Class II (double insulation).

WARNING: TO MINIMISE THE RISK OF FIRE AND ELECTRIC SHOCK, DO NOT EXPOSE DEVICE TO RAIN OR MOISTURE. DO NOT OPEN THE HOUSING AS IT CONTAINS DANGEROUS VOLTAGE. ONLY SKILLED TECHNICIANS ARE ALLOWED TO CARRY OUT REPAIR AND SERVICE.

CAUTION: If the power cord plug is to be replaced, it is important that the replacement is identical to the plug to be replaced, or that the new plug has been recommended by the manufacturer.

TO AVOID THE RISK OF ELECTRIC SHOCK, IT IS IMPORTANT TO INSERT THE PLUG CORRECTLY INTO THE SOCKET.

This DVD player includes a laser system.

There is a risk of dangerous radiation from the laser beam if buttons, controls and procedures are not used or carried out as described in this manual. To avoid contact with the laser beam, do not open the device.

DO NOT LOOK DIRECTLY INTO THE LASER BEAM.

WARNING: IT IS IMPORTANT THAT YOU STUDY AND OBSERVE BOTH THE INSTRUCTIONS IN THIS MANUAL AND THE INSTRUCTIONS ON THE DEVICE. KEEP THIS MANUAL FOR FUTURE USE.

This device was developed and made with a view to providing maximum safety for the user. Incorrect use of the device may cause electric shock or fire. The protection built into this device will protect the user if the procedure below is observed in connection with installation, use and repair. This device is fully electronic and contains no parts which can be repaired by the user.

THE HOUSING MUST NOT BE REMOVED. RISK OF DANGEROUS VOLTAGE. ONLY SKILLED TECHNICIANS ARE ALLOWED TO REPAIR THE DEVICE.

Read the manual

On unpacking the device, please read the manual carefully and observe all instructions given.



Heat

Do not place the device near sources of heating such as radiator, register, stove or other heat-producing devices (including amplifiers).



Power supply

Only the power supply indicated on the rating plate must be used for this device. If you are not sure which power supply you have, please contact the distributor or the local electricity supplier.



Water and moisture

The device must not be placed close to water, such as bath tub, wash basin, kitchen sink or wash tub, in a damp cellar or close to a swimming pool, etc.



Cleaning

Unplug the device before cleaning. Do not use liquid detergents and aerosol cleaning agents. Use a dry cloth.



Earthing or polarization

If the plug cannot be inserted properly into the socket, or if the plug does not fit, the device must not be used in your country.



Ventilation

The housing is provided with slots and openings to ensure ventilation and reliable operation and protect the device against overheating. Do not block or cover these openings. The openings must never be blocked, for example by placing the device on a bed, a sofa, a carpet or similar surface.

Power cords

Wiring must be organised to prevent people from stepping on the cables and to avoid pinching by objects placed on or beside them. Take special care around sockets and plug boxes and where the cable leaves the device.



Overloading

Make sure that sockets, extension flexes and plug boxes are not overloaded as this may lead to fire or electric shock.



Lightning

Unplug the device for additional protection during thunder or when the device is not used for prolonged periods. This will prevent damage to the device from lightning and surges.



Penetration of objects and liquid

Never push any objects through the openings into the device, as they may touch dangerous voltage points or short circuit parts and cause fire or electric shock. Do not spill liquid on the DVD player.



Accessories

The device must not be placed on unstable surfaces such as a trolley, stand, tripod, shelf or table. The device may fall and injure children or adults or be damaged. Use only trolley, stand, tripod, shelf or table which are very stable or provided with the device. The Device must be installed in accordance with the manufacturer's instructions and by means of installation equipment recommended by the manufacturer. If the device is placed on a trolley, the trolley must be moved carefully. Sudden stops, unnecessary force and uneven surfaces may cause the trolley to turn over.



Discs

Do not use scratched, deformed or repaired discs. Such discs will break easily and may cause serious injury and damage to the device.



Damage

Unplug the device and contact skilled technicians in the following cases:

- A) If power cord or plug is damaged.
- B) If liquid has been spilled on the device or objects have fallen into the device.
- C) If the device has been exposed to rain or water.
- D) If the device does not work properly after adhering to the instructions in the user manual. Make only the setups mentioned in the manual, as incorrect setup may cause damage and will often make it difficult for a skilled technician to make the device work properly again.
- E) If the device has been dropped or damaged in any other way.
- F) When the operation of the device changes drastically, the device requires service.

Service

Do not attempt to carry out any service work yourself. By opening or removing the housing, you will be exposed to dangerous voltage, etc. Any service work should be carried out by skilled technicians.



Disc drive

Keep your hands off the drive when it closes to avoid trapping your fingers.



Loads

Do not place heavy loads on the DVD player, and do not step on it. The load may fall and cause serious injury or damage to the device.



Spare parts

If spare parts are required, make sure that the technician uses spare parts specified by the manufacturer or with the same characteristics as the original component. Unauthorised spare parts may cause fire, electric shock, etc.

Safety check

After service or repairs on the DVD player, ask the service technician to carry out a safety check to ensure that the device is ready for use.



Handling instructions

- The DVD player's top and back panel may become warm after prolonged use. This is not due to a defect.
- When the DVD player is not used, remove the disc and turn off the device.
- If the DVD player is not used for a long period, its function may deteriorate. Therefore, the DVD player should be turned on and used now and then.

Protect the power cord

Follow the instructions below to avoid irregular function, electric shock, fire, or injury:

- Hold the plug firmly when inserting it into the socket
- Avoid heat-producing devices
- Do not place objects on the power cord
- Do not carry out service work on or change the power cord

Positioning

Do not place the device in any of the following places:

- In sunlight, close to heat-producing devices and in a closed trolley
- At high temperatures (40°C or above) or high relative humidity (90% or more)
- In dirty places as some internal parts may be damaged

Do not put your fingers or any other objects into the device

- Touching the internal parts is dangerous and may cause injury or damage. Do not open the housing.
- Do not place foreign matter on the drive.

Interference

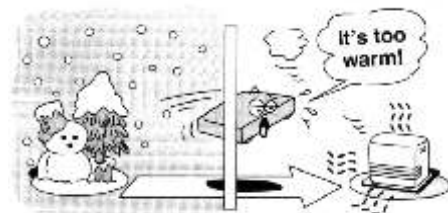
Placing the DVD player near a television set, radio or video player may cause poor picture and sound quality. In that case, move the DVD player further from television set, radio or video player.

Condensation

Condensation may occur in the following cases:

- When the DVD player is moved directly from a cold to a warm place.
- When the DVD player is used in a room where the radiator has just been switched on or where the cold air from the air condition plant is directed at the device.
- If the DVD player is used in the summer in a warm and humid room just after it has been removed from an air conditioned room.
- If there is steam or a high level of humidity in the room.













In case of condensation, the DVD player will not work properly. Remove the disc and turn off the device. Unplug the device and leave it for 2-3 hours. The DVD player will then have adapted to the environment and any condensation will have disappeared.



NOTE:

An Ø may appear on the screen when the device is turned on. This means that the required operation is not available.

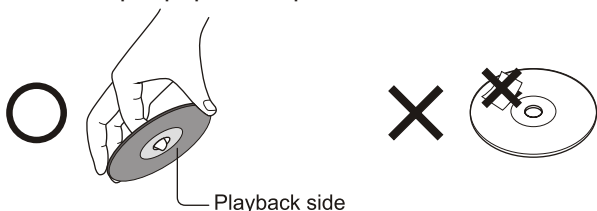
The following discs can be used:

DISC'S	MARKING	CONTENTS	DIMENSION
DVD AUDIO		Audio	12cm
			8cm
DVD VIDEO		Audio +Video (moving picture)	12cm
			8cm
Video-CD (VCD)		Audio +Video (moving picture)	12cm
			8cm
AUDIO CD		Audio	12cm
			8cm
HDCD		Audio	12cm
			8cm
MP3		Audio	12cm
			8cm
JPEG		Video(picture)	12cm
			8cm
KODAK CD		Video(picture)	12cm
			8cm
CD-R		Audio or Video (moving picture)	12cm
			8cm
CD-RW		Audio or Video (moving picture)	12cm
			8cm
WMA		Audio	12cm
			8cm
CD+G		Audio(picture)	12cm
			8cm

- No other discs than those mentioned above cannot be used.
- Non-standard discs cannot be used, not even when marked as above.
- The quality of a CD-R, CD-RW, DVD-R, DVD+R, DVD-RW, DVD+RW, or DVD-RAM depends on the way the CD was recorded. In some cases, the quality can be very poor.

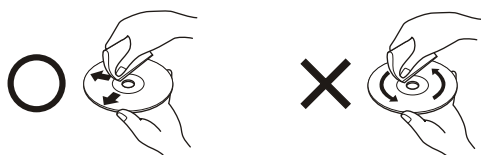
Disc handling

- Do not touch the playback side of the disc
- Do not put paper or tape on the disc



Cleaning the discs

- Finger prints and dust may cause poor sound and picture quality. Wipe the disc with a dry, soft cloth. Wipe from the centre out. The disc should always be clean.



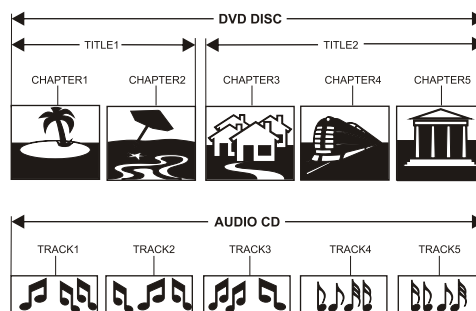
- If the dust cannot be removed with a soft cloth, wipe the disc carefully with a moist cloth and then with a dry cloth.
- Do not use any type of solvents such as thinner, petrol, commercial detergents and anti-static spray for vinyl records. These may damage the disc.

Storing the discs

- Do not store the discs where they may be exposed to direct sunlight or where they are close to sources of heat.
- Do not store the discs where they may be exposed to moist or dust, for example in a bathroom or close to a humidifier.
- Store the discs standing in a cassette. If the cassettes are stacked or an object is placed on the cassettes, the discs may become uneven.

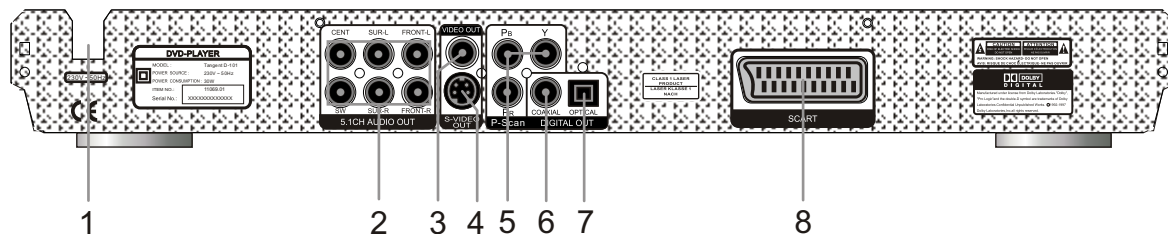
Organisation of discs

Normally, DVD discs are divided into titles, and the titles are then divided into chapters. Music CDs are divided into tracks.



Each title, chapter and track has been given a number, designated title number, chapter number and track number, respectively.

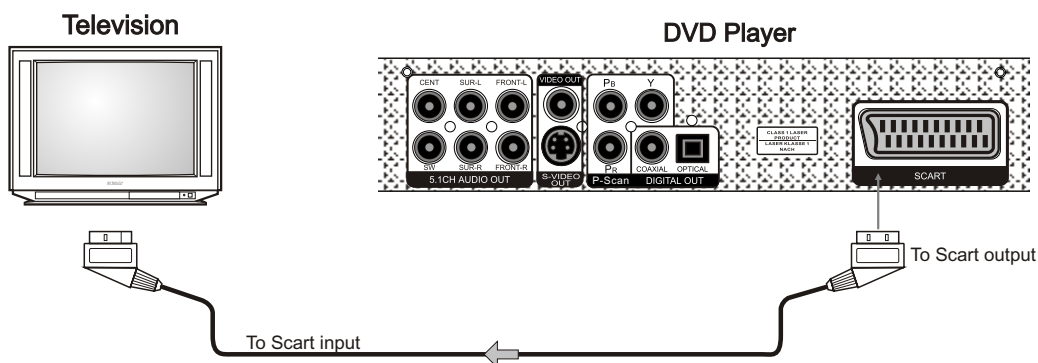
Back panel



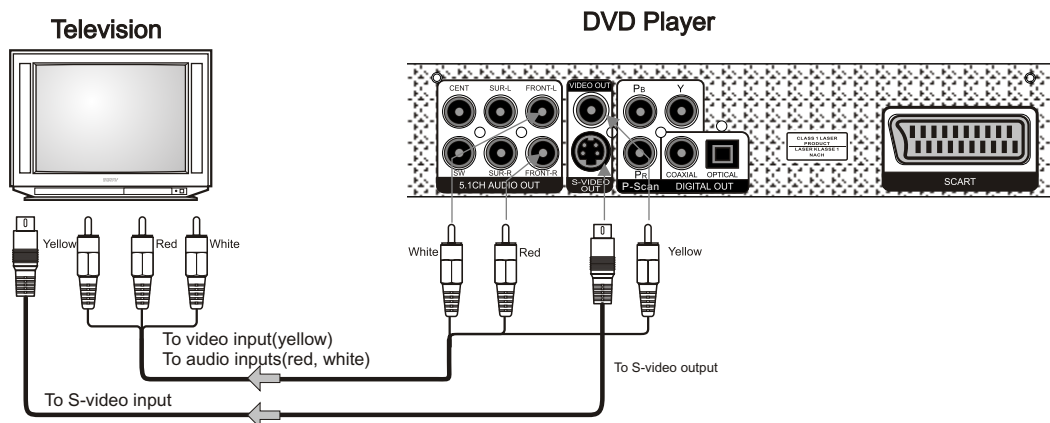
- 1. Main power input
- 2. 5.1-channel audio output
- 3. Composite video output
- 4. S-video output
- 5. Component video output
- 6. Coaxial output
- 7. Optical output
- 8. Scart output

Normal connection

● Connection to television set through scart cable

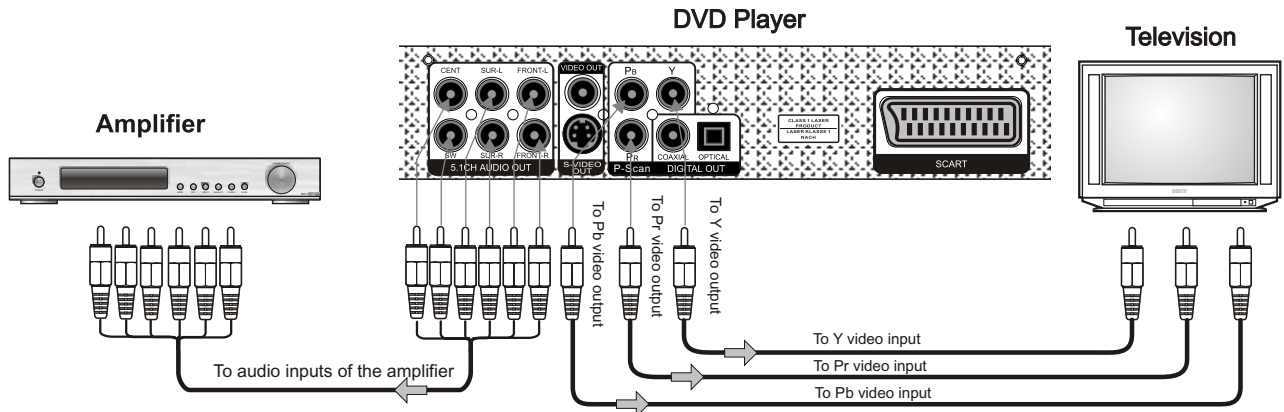


● Connection to television set through A/V cable

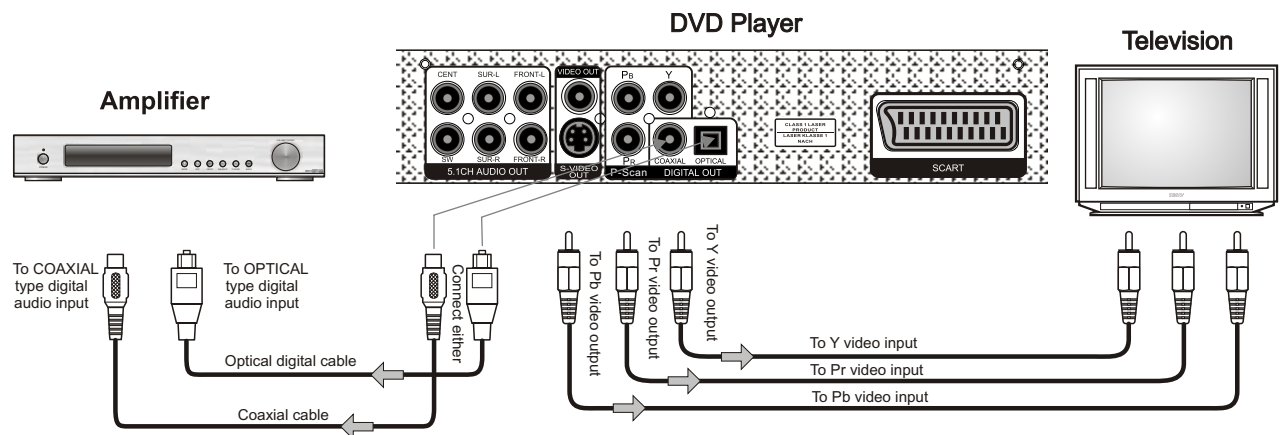


If the TV-set has S-video input, the DVD player can be connected with an S-video cable. When using an S-video cable, don't use the yellow video cable.

● Connection to surround system and TV-set with component outlet

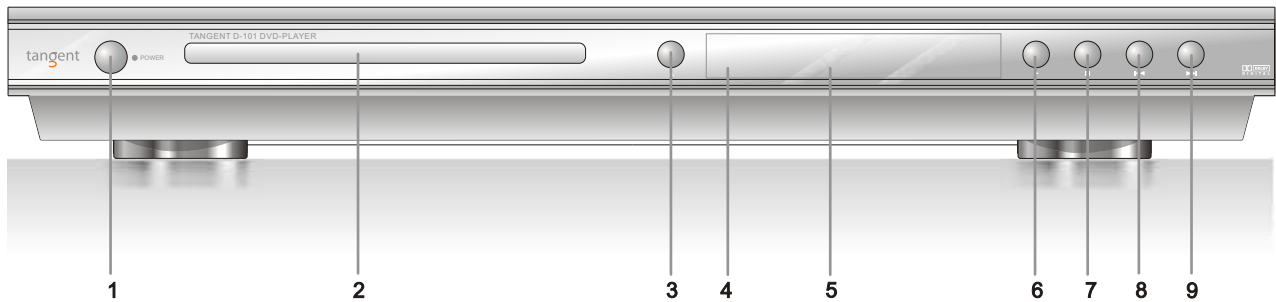


● Connection to amplifier with digital audio input and TV-set



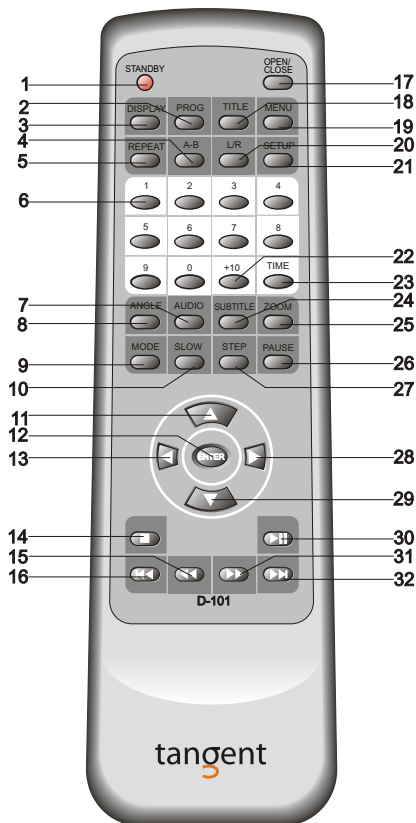
If the receiver is provided with coaxial input, the DVD player can be connected with a coaxial cable. When a coaxial cable is used, don't use the optic cable.

Front panel



- | | |
|----------------|-------------|
| 1. Power | 6. Play |
| 2. DVD tray | 7. Stop |
| 3. Open/Close | 8. Previous |
| 4. Standby LED | 9. Next |
| 5. Display | |

Remote control



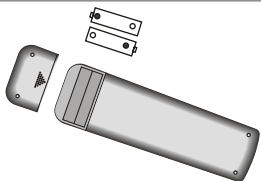
No.:	Function	Page
1.	STANDBY	13
2.	PROGRAM	14
3.	DISPLAY	14
4.	A-B	14
5.	REPEAT	14
6.	0-9 DIGITS	--
7.	AUDIO	15
8.	ANGLE	15
9.	MODE	19
10.	SLOW	14
11.	SCROLL UP	19
12.	ENTER	13/19
13.	SCROLL LEFT	19
14.	STOP	13
15.	FAST REVERSE	13
16.	PREVIOUS	13
17.	OPEN/CLOSE	13
18.	TITLE	15
19.	MENU	15
20.	L/R	--
21.	SETUP	19
22.	+10	--
23.	TIME	14
24.	SUBTITLE	15
25.	ZOOM	15
26.	PAUSE	13
27.	STEP	14
28.	SCROLL LEFT	19
29.	SCROLL DOWN	19
30.	PLAY	13
31.	FAST FORWARD	13
32.	NEXT	13

Installation of batteries

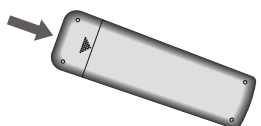
1. Remove the cover



2. Insert batteries. Make sure that the terminals correspond to the symbols shown.



3. Replace the cover

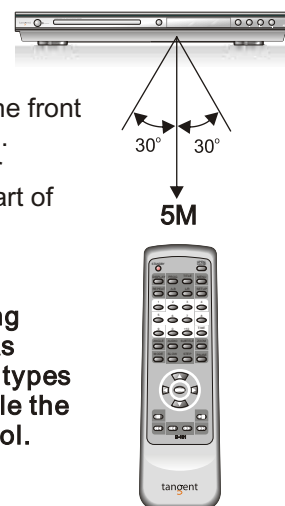


Note:

- The batteries must be placed correctly.
- Do not recharge, heat, open or short-circuit the batteries. Do not throw the batteries into open fire.
- Do not mix different types of batteries or old and new batteries.
- If the remote control does not work properly, or if the range is reduced, all batteries should be replaced.

Using the remote control

Range: about 5 m from the front part of the remote control.
 Angle: about 30° in either direction from the front part of the remote control.



Do not expose the DVD player's sensor to strong sources of light, such as direct sunlight or other types of light. This may disable the use of the remote control.

Note:

- Aim the remote control at the DVD player's sensor.
- Do not drop or expose the remote control to other types of impact.
- Do not store the remote control in a very warm or moist place.
- Do not expose the remote control to water or any other liquid.
- Do not disassemble the remote control.

Preparation

- When you wish to watch a DVD film, switch on the TV-set and choose the video input connected to the DVD player.
- When you wish to listen to the disc from the audio system, switch on the audio system and choose the input connected to the DVD player.

Normal playback

1. Press Standby at the front panel to switch on the DVD player. The start logo appears on the TV screen. If the disc drive already contains a disc, the playback will start as soon as the DVD player is switched on.
2. Press the OPEN/CLOSE button to open the disc drive and insert a disc.
 - Discs come in two different sizes. Place the disc correctly in the disc drive. If the disc does not fit into the opening, the disc may be damaged and the device may not work properly.
 - Do not insert discs which are not suitable for this type of DVD player.
3. Press the OPEN/CLOSE button to close the disc drive; the playback will now start.
 - Press the ENTER/PLAY button if the playback does not start automatically.
4. Some discs will start by presenting a menu. Use the cursor button on the remote control to choose among the different items, then press ENTER/PLAY. Alternatively, you can enter the number of the function in question.

Pause

1. Press PAUSE to stop playback (still picture). The sound will be deactivated in still mode.
2. Press PLAY to continue normal playback.

Stop playback

1. Press the STOP button to stop the playback. The start logo will reappear on the TV screen. Some discs offer the possibility of resuming playback from the same spot, for example DVDs and music CDs.
2. Press PLAY to continue playback where the playback was stopped, or from the start.
3. Press STOP twice to stop the playback completely.

Previous and next

During playback, press PREV I<< to go back to the start of the chapter. Press PREV again to go back to the chapter before that, etc. (please note: this function depends on the disc format and may vary from one disc to the other).

With each activation of NEXT >> during playback, the device will skip the current chapter and go on to the next.

Fast forward/reverse

1. Press F.FWD >> to go fast forward on the disc. The speed changes every time F.FWD >> is pressed.
2. Press PLAY to revert to normal playback.
3. Press F.REV << to go fast backward on the disc. The speed changes every time F.REV << is pressed.
4. Press PLAY to revert to normal playback.

IMPORTANT

All descriptions refer to DVDs. Function and display may vary if other types of discs are used.

VIDEO MODE

The video output can be set to "YCbCr", "YPbPr", "S-VIDEO", or "RGB".

OSD (On Screen Display)

Press DISP to switch between "title played", "title left", "chapter played", "chapter left", and "display off".

SUBTITLE

When SUBTITLE is pressed, the display shows "SUBTITLE 01/XX XXXXX". "01" designates the language number, "XX" the total number of languages, and "XXXXX" designates the country's language (the number of languages depends on the disc). A selection of up to 32 languages is available on the screen.

STEP

Press STEP to step a single frame/picture forward during playback. Press STEP several times to step several frames/pictures forward. Press PLAY to resume playback.

TIME (search)

Press TIME once, to view the search menu, and press once more to cancel the function. In the search menu, use the UP/DOWN- and DIGIT-buttons to make the desired choice. Press the ENTER/PLAY button to confirm the choice.

REPEAT

Press REPEAT once to choose on-screen which chapter to repeat. Press once more to choose the title to be repeated, and press a third time to choose to repeat all, and four times to cancel the repetition.

A-B REPEAT

Press A-B RPT to set up the starting point and again to set the stop point and complete the set-up. The section between A and B will be repeated. Press the button a third time to cancel.

SLOW

Press SLOW to play a disc slowly forwards or backwards. The speed changes every time you press SLOW. Press ENTER/PLAY to return to normal playback.

Note: This function cannot be used for CD and MP3.

PROGRAMME

Press PROG to enter programme mode. Enter the number at the desired programme on track or title and chapter and move the cursor to START to start the programme. If you wish to cancel the function, press STOP and then ENTER/PLAY.

ZOOM

Press this button to enlarge the picture. The size of the picture changes every time the button is pressed.

NTSC/PAL

Choose between PAL, NTSC, and multi through the setup menu. In the multi function, the device will find the right system.

MENU

Press this button to see the main menu and make the desired choice. (This button can be used for DVDs with multi-layer menu. Make the desired choice).

TITLE

On some DVDs, the title menu will be shown when this button is pressed. Numbers can also be used to choose the desired tracks.

ANGLE

When watching sports, concerts or a play, press this button to see the same action from different angles. (Applies to discs with this function. Some discs were recorded from several angles, and the desired angle can be selected, for example from the front, from the side, the whole picture or from outside).

AUDIO
(selecting audio channel)

Press this button to choose between different types of sound reproduction, such as:

Audio: 1/2: AC3 2 CH English

Audio: 2/2: AC3 5.1 CH English

Playing JPEG files

JPEG files contain picture information which can be encoded by micro computer software and transmitted to the TV screen via a video output interface. This function is useful in many contexts. For example teachers can change pictures to be shown in the classroom to JPG files by means of a digital camera or a scanner which are often used within the IT world and transfer the pictures to CD-R discs. This will make things easier for the pupils when the teachers play the discs via a TV set or other types of equipment in the classroom. It reduces the repetitive work for the teachers, and the discs are easy to store (information on discs can be stored for more than 100 years). By means of a digital camera or scanner, families can transfer pictures to CD-R discs. If, for example, a picture requires 100K bytes, one disc will hold about 6000 pictures. Manufacturers can show their customers pictures of their products one by one.

Note: The actual contents vary from one type of disc to the other.

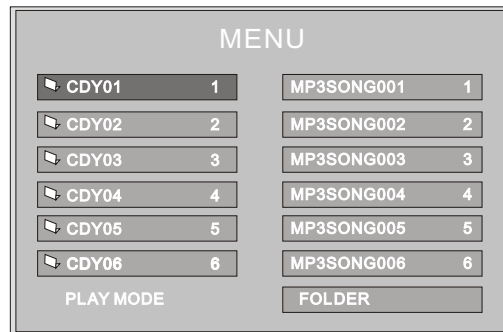
1. When a JPEG disc is loaded in the DVD-player, an automatic slide show will be launched.
Each picture will be displayed and scaled to fit the screen.
Press STOP to enter the file library.
Use the SCROLL key to navigate the pictures, and press PLAT or ENTER to display a picture.
When the a picture has been chosen, the slide show will resume with the next picture in the library.
2. Press ANGLE to rotate the picture. These operations are allowed only when a picture is being displayed normally and will be cancelled automatically when a new picture is displayed.
3. Press ZOOM to execute the zoom function and select the zoom enlarging scale.
In zoom mode, press the SCROLL buttons to move the picture on the screen. With zoom mode off, the next picture will be scaled to fit the screen.
Press PLAY to cancel the zoom mode and resume the slide show.

JPEG limitations

- JPEG files containing CMYK colors is not supported by this DVD-player.
- The range of pixels should not be exceeding 3840 X 3840 pixels, in order to achieve the best performance.

MP3-disc's

When playing MP3 discs, a navigation menu appears automatically. Choose the desired file folder from the menu by means of UP or DOWN and confirm your selection by pressing ENTER/PLAY. Select the desired file from the file folder by means of UP or DOWN and start playback by pressing ENTER/PLAY. On this page, press SCROLL LEFT to return to the previous menu and PREV or NEXT to scroll one page back or forward.



INTRODUCING DVD AUDIO

DVD Audio is a new sound format which will open new possibilities of reproducing sound in the form of "Advanced Resolution Stereo" and multi-channel sound. DVD Audio produces a sound of a much better quality than standard CDs by reproducing up to 24K bit music data compared with 16K bit for standard CDs. DVD Audio has a frequency of 0-96 KHz. DVD Audio discs are inserted and played just like ordinary music DVDs.

Because of the many functions in this DVD-player, it is not possible to access all functions via the remote control. So some functions must be accessed by operating systems setup menu. The keys used to navigate in the following explanation is the SETUP-, SCROLL UP-, SCROLL DOWN-, SCROLL LEFT- and SCROLL RIGHT-keys.

- Press "SETUP" key on the remote the enter the setup menu.

You can adjust the following items in the setup menu.

Language	Video	Audio	Rating

- If the player is playing a disc, you need to press "STOP" key twice to make all menu point accessible..
- After entering the setup menu, the blue highlight bar shows the present position. Use the the four "SCROLL" keys (UP, DOWN, LEFT and RIGHT) to navigate in the setup menu.
- Confirm the selections by pressing the "ENTER" key.
- If you want to return to the previous setup point, press the "UP" key until this happens.
- Press the "SETUP" key to exit the setup menu.

1 LANGUAGE SETUP

1.1 OSD MENU

OSD MENU SETUP:

The user may choose language for the entire setup menu and the on screen display.

There are six available languages: English, French, German, Dutch, Danish and Spanish.

Language	Video	Audio	Rating
OSD Menu	English	English	English
Subtitle	English	English	French
Audio	English	English	German
DVD Menu	English	English	Dutch
			Danish
			Spanish

1.2 SUBTITLE

Choose the language to be used as a standard for subtitles for DVDs (if the DVD supports the language in question).

You also can choose "Auto" or "off".

Language	Video	Audio	Rating
OSD Menu	English	English	English
Subtitle	English	English	French
Audio	English	English	German
DVD Menu	English	English	Dutch
			Danish
			Spanish

1.3 AUDIO

Dubbing language: Choose the dubbing language to be used as a standard for DVDs (if the DVD supports the language).

Language	Video	Audio	Rating
OSD Menu	English	English	English
Subtitle	English	English	French
Audio	English	English	German
DVD Menu	English	English	Dutch
			Danish
			Spanish

1.4 DVD MENU

DISC MENU: Choose the language to be used as a standard for menus for DVDs (if the DVD supports the language in question).

Language	Video	Audio	Rating
OSD Menu	English	English	
Subtitle	English	French	
Audio	English	German	
DVD Menu	English	Dutch	
		Danish	
		Spanish	

2 VIDEO SETUP

2.1 TV SHAPE

Under TV SHAPE choose among different TV screen formats. There are various types corresponding to the different discs and TV-sets. (See also page 23).

Language	Video	Audio	Rating
TV Shape	4:3 PS	4:3 PS	
TV System	NTSC	4:3 LB	
Video Output	S-VIDEO	16:9	

2.2 TV SYSTEM

This DVD-player supports various systems, including MULTI (auto), NTSC and PAL.

If the TV set includes only an NTSC or a PAL system and the wrong type of TV set has been selected, the screen will flicker and be black/white. If this happens, press SETUP to make the correct setups.

Language	Video	Audio	Rating
TV Shape	4:3 PS		
TV System	NTSC	NTSC	
Video Output	S-VIDEO	PAL	
		Auto	

2.3 VIDEO OUTPUT

VIDEO OUTPUT:

In this item, you can choose the video output.

Language	Video	Audio	Rating
TV Shape	4:3 PS		
TV System	NTSC		
Video Output	S-VIDEO	S-VIDEO	
		RGB	
		YCbCr	
		YPbPr	

- S-VIDEO: Opens S-VIDEO out
- RGB: Opens RGB out
- YCbCr: Opens component Interlace scan out
- YPbPr: Opens component Progressive scan out

Note:

If you make a wrong selection under this menu item, the picture may disappear. If the picture disappears, press SETUP to exit the SETUP menu. Then depress MODE until the picture appears on the screen again.

3 AUDIO SETUP

3.1 Digital Output

Digital out: In this setup item, you can choose the digital output (SPDIF output).

Language	Video	Audio	Rating
Digital Out	RAW	PCM	
LPCM Out	96K	Raw	
Analog Out	5.1 Channel		

This DVD player offers two different types of sound reproduction.

SPDIF/RAW and SPDIF/PCM: This surround sound format is transmitted to a Dolby Digital decoder via the optical and coaxial socket on the back panel of the device. This is used when the device is connected only via an optical or coaxial cable.

3.2 LPCM Out

Linear PCM setup: This option sets the audio output format sent using the units coaxial or optical digital audio output.

LPCM 48K

In the linear PCM setting, "48K" means "the digital audio output maximum sampling rate is 48KHz" Therefore, when the title's encoding sampling rate is 96KHz, the output will be forced converted to 48KHz.

LPCM 96K

If "96K" is selected, then the maximum output sampling rate is 96KHz and no conversion will take place.

Language	Video	Audio	Rating
Digital Out	RAW		
LPCM Out		96k	96k
Analog Out	5.1 Channel		48k

3.3 Analog output

Language	Video	Audio	Rating
Digital Out	RAW		
LPCM Out		96k	
Analog Out		5.1 Channel	5.1 Channel 2 Channel

5.1 Channel: Surround
2 Channel: Stereo

4 RATING SETUP

4.1 Password

Password setup: In this setup item you can change your password, and activate the parental rating.

Locking and unlocking: The padlock symbol in the right side of the screen, shows if the DVD-player is locked or unlocked. Simply type in the existing password to change the status.

Changing the password: Unlock the DVD-player by typing the existing password. (The DVD-player is unlocked when the padlock symbol to the right is opened) Then type your new desired password. When that is done, the padlock symbol on the right of the screen will change to be locked again, and the password is changed.

Language	Video	Audio	Rating
Password		----	🔒
Parental		8.Adult	
Load Factory		Reset	

Note:

The default code is 8888

4.2 Parental setup

Parental setup: This function limits the playback of some disc's that contains mature scenes. The limitation varies from disc to disc. When it is activated, playback is completely prohibited. There are eight levels of parental settings on the DVD-player.

1. Kid
2. G
3. PG
4. PG-13
5. PGR
6. R
7. NC-17
8. Adult

Language	Video	Audio	Rating
Password		----	🔒
Parental		8.Adult	
Load Factory		Reset	

NOTE:

In order to change the parental setting, the DVD-player must be unlocked. See point 4.1

4.3 Reset

Load factory settings: When you select "RESET", all the initial settings will be restored to the default setting.

Language	Video	Audio	Rating
Password		----	🔒
Parental		8.Adult	
Load Factory		Reset	

This troubleshooting guide may help you find a possible cause of and solution to a problem. If there are still problems, please contact the local service centre or distributor.

PROBLEMS AND POSSIBLE SOLUTIONS

PROBLEM	POSSIBLE SOLUTION
No power supply	Check that the plug has been inserted properly into the socket.
No picture	Check the connection between DVD player and TV set.
	Check that the TV set is working properly.
No sound	Check the connection between DVD player and any other connected units.
	Check that TV set and amplifier are working properly and adjusted correctly.
The disc is not played	Check that the disc has been inserted correctly.
	Clean the disc.
Does not react to signals from the remote control	Remove any objects blocking the signal between remote control and DVD player.
	Check that the remote control is aimed at the front panel sensor.
	Check batteries and replace as required.
Picture interference	Check the disc for dust and scratches.
	Clean or replace the disc.
	Turn off the device, wait for ten seconds and turn it on again.
No reaction when buttons are pressed	Power drop-out, power cuts, etc. Turn off the device, wait for ten seconds and turn it on again.

The DVD player is your ticket to a home cinema. Every single technical detail in this technology is better than in any other previous AV equipment. This brand new digital technology compresses the A/V effect from the cinema down on a disc with a diameter of 12 cm, i.e. the size of a CD. Particularly by means of Dolby Digital and DTS, it is possible to achieve excellent digital surround sound. The DVD player can also be used with the existing CDs, CD-Rs and CD-RWs (however, it cannot be used with all CD-RW discs).

Comparison between DVDs and other discs:

	DVD				LD	SVCD	VCD	CD
Encode method	Digital/MPEG II				Analog	Digital	Digital/MPEG I	Digital
Capacity	Single-side single-layer 4.7G	Double-side single-layer 8.5G	Single-side double-layer 9.4G	Double-side double-layer 17G	/	650MB	650MB	650MB
Playing Time	133 minutes	242 minutes	266 minutes	484 minutes	Single-side 60 minutes double-side 120 minutes	45 minutes	74 minutes	74 minutes
Disc diameter	12cm/8cm				30cm/20cm	12cm	12cm	12cm/8cm
Horizontal resolution	More than 500 line				No more than 430 line	No more than 350 line	No more than 250 line	/
Picture proportion	Multiple kinds				One kind	One kind	One kind	/
Subtitle	32 kinds				16 kinds at most	4 kinds	/	/
Language	8 kinds				4 kinds at most	4 kinds at most	2 kinds	2 kinds
Sound quality	48KHz, 96KHz/ 6, 20, 24bit				44.1KHz/ 16bit	44.1KHz/ 16bit	44.1KHz/ 16bit	44.1KHz/ 16bit

Parental control

This device allows parental control if the DVD has a specific certification. This function allows you to prevent your children from watching things which you consider inappropriate for them. Refer to the DVD certification and the accompanying information to find out if it carries a certification.

Support of many different languages









The DVD player allows you to choose among up to 8 different languages and 32 different subtitles for one DVD.

Support of many different camera angles

You can choose yourself, from which camera angle you wish to watch the DVD.

Adjusting the size on the TV screen

It is possible to adjust the TV screen in different ways (see the table).

Picture format on Disc	TV Screen Size		
	4:3		16:9
	Pan Scan	Letter-box	Wide Screen
4:3 			
16:9 			

Functions supported by DVDs

DVDs support many different functions and can be used independent on type of DVD player and manufacturer. Below is a list of the functions are supported by this DVD player.

 Regional code and signal system

 Picture formats

 Dolby digital surround sound

 Parental control

 Number of languages

 Camera angles

 Number of subtitle languages

 Closed Caption

System and output

VF Signal system	NTSC/PAL
Frequency response	CD: 20Hz-20KHz(EIAJ) DVD: 20Hz-22KHz(48KHz)(Sample result) 20Hz-44KHz(96KHz)(Sample result)
Audio S/N ratio	> 90 dB
Video/Picture	MPEG1; MPEG2
Audio	MPEG1, MPEG2, PCM, DOLBY DIGITAL, ANALOG STEREO
Audio output	Electric level output: 1.85Vp-p
Video output	Electric level output: 1Vp-p

General data

Power	220V-240V~ 50Hz
Power consumption	30W
Dimensions (HxWxD)	50 x 430 x 280mm
Weight	3.5 kg
Operating temperature	5°C to 35°C (41°F to 95°F)
Operating humidity	5% to 90%

Note: We reserve the right to make changes without notice.

MACROVISION

This device includes copyright protected technology covered by various American patents and other intellectual property rights owned by Macrovision Corporation and others. Use of this copyright protected technology is only allowed after prior approval from Macrovision Corporation, and the device is only to be used for the showing of films in private homes and other limited areas, unless otherwise approved by Macrovision Corporation. Reverse construction or demounting is not allowed.

The consumer's attention is attracted to the fact that not all high-definition TV sets are fully compatible with this device and this may cause picture interference.

In case of problems of the type 525 and 625 progressive scan, the consumer is recommended to switch to "standard definition". If you have any questions regarding the compatibility of your TV set with this 525p and 625p DVD player, please contact our customer service.



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