

■ LETTORE DVD



KH 6515/6516

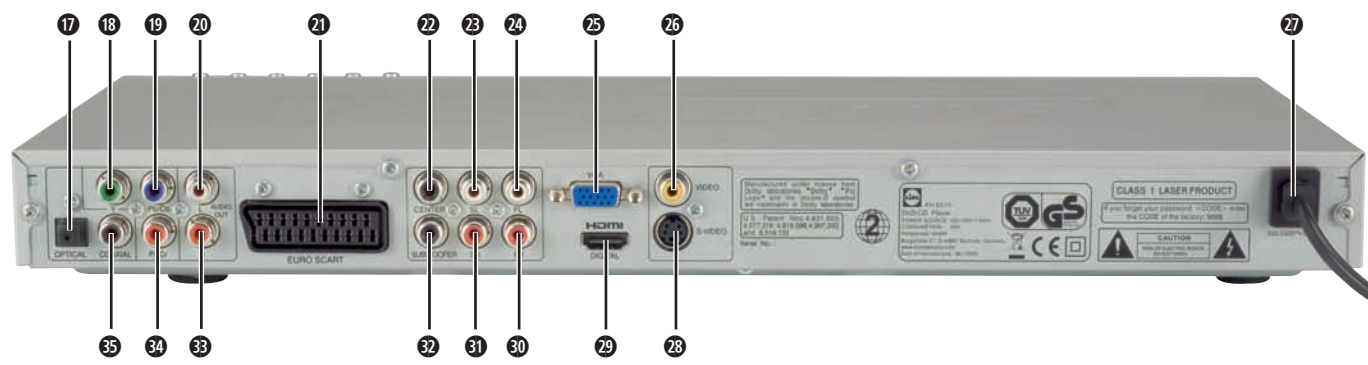
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DVD PLAYER
Operating instructions

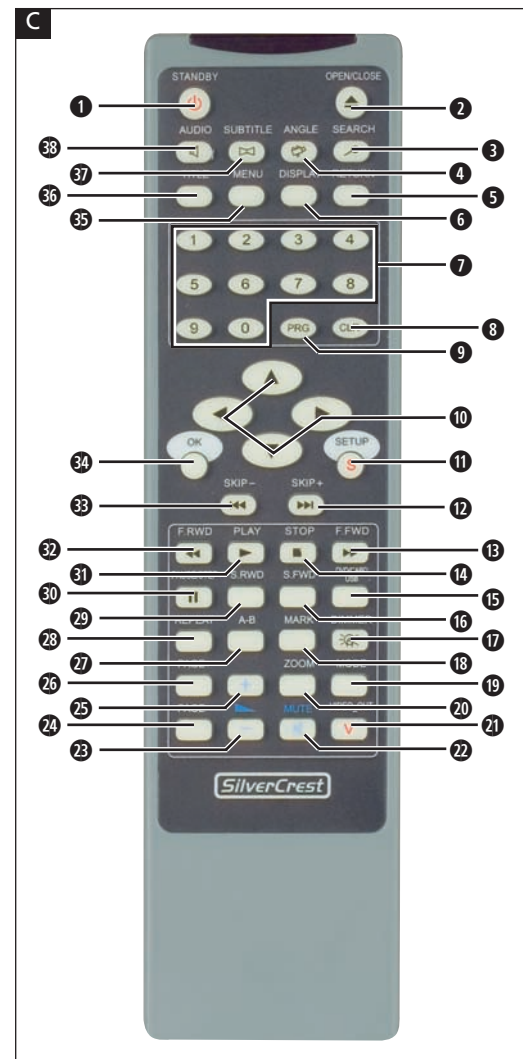
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Read these operating instructions carefully before using the appliance for the first time and preserve this manual for later reference.

Pass this manual on to whoever might acquire the appliance at a future date.

DVD PLAYER KH6515/6516

1. Technical Data

Power supply:	AC 220 V - 240 V ~50 Hz
Power consumption:	15 Watt
Power consumption:	
Standby:	0,7 W
TV standard:	PAL/NTSC
Operating temperature:	+5 ~ +35°C
Humidity:	5 ~ 90% (no condensation)
Dimensions	
(L x D x H):	241 x 430 x 50 mm
Weight :	2,1 kg approx.

Video Output

Output level:	1 + 0.2/-0.2 V _{p-p} (75 Ω)
Horizontal resolution:	> = 500 Lines
Signal-to-noise ratio:	60 dB

Audio Output

Impedance:	10 kΩ
Output level:	1.8 + 0.2/-0.8 V _{rms} (1 kHz, 0dB)
Harmonic distortion:	0.01 % (JIS-A 1 kHz, typical)
Dynamic range:	80 dB (JIS-A 1 kHz, typical)
Signal-to-noise ratio:	95 dB (JIS-A 1 kHz, typical)

Digital audio output

Coaxial output and optical output

USB slot

Readable	
USB memory sticks:	USB1.1 and 2.0 up to 512 MB





Memory card slot

Readable memory cards:	CFI/CFII (512 MB), SD (512 MB), MS/MSPro (128 MB), MMC (128 MB), SM (128 MB)
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2. Applications and functions

The SilverCrest KH 6515/ KH6516 DVD player is intended exclusively for stationary use in enclosed spaces. The device is intended exclusively for private, non-commercial use.

This device is intended for use as an electronic entertainment device for the playback ...

- ...of DVD videos in 12 cm and 8 cm (diameter) formats with Country/Regional code 2 or , designated by the Logo .
- ...of the video formats MPEG-4/MPEG-4 ASP and with DivX 3.11, DivX 4.x, DivX 5.x, DivX 6, multichannel DivX and DivX Pro as well as Nero Digital compressed videos.
- ... of video-CDs (VCDs) and Super video-CDs (S-VCDs) in 12 cm and 8 cm (diameter) formats, designated by the Logo .
- ... of audio-CDs in 12 cm and 8 cm (diameter) formats, designated by the Logo .
- ... generally of the data format CD Audio (.cda), MP3 (.mp3), Windows Media Audio (.wma), DivX (.avi), Nero Digital (.mp4) und JPEG (.jpg) on the storage media CD-R, CD-RW, USB memory sticks as well as Memory Cards of the type CF I, CF II, SD, MS, MSPro, MMC und SM.

You can connect to the Silvercrest KH 6515/ KH 6516 DVD player for image outputs during playback of DVDs, VCDs, S-VCDs, Audio CDs and the MP3 data formats, Windows Media Audio and JPEG

- Stereo and Mono televisions with the formats PAL or NTSC and the picture formats 4:3/16:9.
- LCD/Plasma picture screens or video-projectors, if for this the corresponding connection potential is available and the connection of a DVD player is provided for/allowed by the manufacturer of the playback device

You can connect to the Silvercrest KH 6515/KH 6516 DVD player for sound output, for example music...

- from the speaker of one of the televisions connected to the DVD player
- from external audio components such as a HiFi system, receiver or surround sound system (analogue/digital)

⚠ Attention!

No liability/warranty will be assumed for damage resulting from improper use of the device!

3. Delivery Contents

- DVD-Player
- Infrared remote control
- 2 Batteries for remote control, type AAA/ (Micro cells)
- RGB Scart cable
- Audio/Video RCA cable
- Nero Digital CD
- Operating manual

4. Operating elements

A. DVD player front panel

- ▶ / || PLAY/PAUSE button
- STOP button
- ⏮ SKIP BACKWARDS button
- ⏭ SKIP FORWARDS button
- ⏪ F.RWD button
- ⏩ F.FWD button
- Memory card slot for SD/MMC/MS/MSPro and MS cards (behind the front cover)
- Memory card slot for compact flash memory cards (CF I/ CF II) (behind the front cover)
- Green indicator light for memory card slot and USB plug slot
- USB plug slot (behind the front cover)
- Display
- IR sensor for the remote control
- red LED **STANDBY**
- OPEN/CLOSE** button
- Disc tray
- POWER** button

B. DVD player rear panel

- OPTICAL:** optical digital audio output
- Y:** Component video output
- PB/CB:** Component video output
- AUDIO OUT L:** Left audio output
- EURO SCART:** Scart/RGB output
- CENTER:** Output for front and centre audio channels
- SL:** Output for rear left audio channel
- FL:** Output for front left audio channel
- VGA:** VGA video output

- 26 VIDEO: Composite video output
- 27 Power cord
- 28 S-VIDEO: S-Video output
- 29 HDMI: HDMI output
- 30 FR: Output for front right audio channel
- 31 SR: Output for rear right audio channel
- 32 SUBWOOFER: Output for bass audio channel
- 33 AUDIO OUT R: Right audio output
- 34 PR/CR: Component video output
- 35 COAXIAL: Coaxial audio output

C. Remote control

- 1 STANDBY: Switch the device to standby mode
- 2 OPEN/CLOSE: Open/Close the disc tray
- 3 SEARCH: Access the search function
- 4 ANGLE: Change the camera perspective
- 5 RETURN: End the menu level
- 6 DISPLAY: Superimpose disc information
- 7 Number buttons
- 8 CLR: Clear the entry
- 9 PRG: Access the programme function
- 10 Control buttons ◀▶ ▲▼
- 11 SETUP: Access the OSD menu
- 12 SKIP FORWARD: Advance a title/chapter
- 13 F.FWD: Fast forward search
- 14 STOP: Stop playback
- 15 DVD/CARD/USB: Change between disc playback and USB/card playback
- 16 S.FWD: Slow forward playback
- 17 DIMMER: Adjust the display brightness
- 18 MARK: Access the bookmark function
- 19 MODE: Set the playback mode
- 20 ZOOM: Set the image enlargement
- 21 VIDEO OUT: Set the video output
- 22 MUTE: Switch the sound on/off
- 23 VOL: Volume decrease
- 24 PAGE-: Move back a page in the DVD menu
- 25 VOL+: Volume increase
- 26 PAGE+: Advance a page in the DVD menu
- 27 A-B: Repeat sequence
- 28 REPEAT: Set the repeat function
- 29 S.RWD: Slow playback backwards
- 30 PAUSE/STEP: Stop playback/Frame by frame playback
- 31 PLAY: Start playback
- 32 F.RWD: Fast backward search
- 33 SKIP BACKWARD: Skip a title/chapter backwards
- 34 OK: Confirm input
- 35 MENU: Access the disc menu
- 36 TITLE: Access the title menu
- 37 SUBTITLE: Set the sub-title
- 38 AUDIO: Set the audio language/channel

5. Setting up of the DVD player

1. Carefully remove the DVD player and the supplied accessories from the packing.
2. Remove the protective foil from the front reflector.
3. Place the DVD player on a flat, even and firm base.

⚠ Attention!

Do not plug the DVD player into an electrical outlet at this time. Wait until you have connected the DVD player to a television set.

In the event that you wish to change the type of video or audio connection you must first pull the power plug from the power socket! Otherwise the DVD player and possibly equipment connected to it could become irreparably damaged through voltage peak strikes!

6. Safety instructions

- This appliance is not suitable for children or for those whose physical, sensorial or intellectual faculties prevent the safe usage of the appliance without support or supervision. Children should be supervised to ensure that they do not play with the appliance.
- To avoid unintentional switching on, disconnect the power cord after use and before cleaning.
- Check the appliance and all parts for visible damage. The safety concept can work only if the appliance is in a faultless condition.
- The power plug must always be easily accessible, so that the appliance can be quickly separated from the mains in the event of an emergency.

⚠ Risk of electrical shocks.

- Connect the appliance only to correctly installed and properly earthed power sockets. Ensure that the rating of the local power supply tallies completely with the details given on the rating plate of the appliance.
- Arrange for defective power plugs and/or cables to be replaced at once by qualified technicians or our Customer Service Department.
- Arrange for customer service to repair or replace connecting cables and/or appliances that are not functioning properly or have been damaged.



NEVER submerge the appliance in water. Wipe it only with a slightly damp cloth.

- Do not expose the appliance to rain and never use it in a humid or wet environment.
- Ensure that the power cable never becomes wet during operation.
- You may not open the housing or repair the appliance yourself. Should you do so, appliance safety can no longer be assured and the warranty will become void.
- Protect the appliance against drip and spray water. Do not place any water-filled vessels (e.g. flower vases) on the appliance.

⚠ Risk of fire!

- Do not use the appliance in the vicinity of hot surfaces.
- Do not locate the appliance in places exposed to direct sunlight. If you do, it may overheat and become irreparably damaged.
- Do not leave the appliance unattended when in use.
- Never cover the ventilation slots of the appliance while it is being used.
- Do not place any open sources of fire, like candles, on the device.

⚠ Injury hazard

- Keep children away from the connecting cable and the appliance. Children frequently underestimate the dangers of electrical appliances.
- Ensure that the appliance stands with a safe and secure positioning.
- Do not operate the appliance if it has sustained a fall or is damaged. Arrange for the appliance to be checked and/or repaired by qualified technicians.
- Keep batteries away from children. Children can put batteries into their mouths and swallow them.

⚠ Danger! Laser radiation!

The appliance is fitted with a „Class 1 Laser“.

- Never open the device.
- Never attempt to repair the device.
- There is invisible laser radiation inside the device.
Do not expose yourself to the laser beam.

ⓘ Note:

Some aggressive furniture finishes can have a destructive influence on the device's rubber feet. If necessary, place the device on a nonslip pad.

⚠ Thunderstorms!

Equipment connected to a power supply can be damaged during a thunderstorm. You should therefore always pull the power plug from the power socket when there is a storm.

⚠ Notice regarding surge voltages (FEO / fast electrical overloads):

In a case of malfunction due to an electrical fast transient (power surge) the product must be returned to default settings in order to re-establish normal operation. Possibly the power supply must be separated and then reconnected. The batteries (if present) must be removed and then reinserted.

⚠ Notice regarding separation from mains-power

The POWER switch does not completely disconnect the appliance from the power network. Additionally, the appliance consumes power when in standby-mode. To completely separate the appliance from mains-power, the power plug **MUST** be removed from the wall socket.

⚠ Information regarding the handling of batteries

The remote control is operated by batteries.
For the handling of batteries please observe the following:

⚠ Risk of explosion!

Do not throw batteries into a fire. Do not recharge the batteries.

- Never open batteries, never solder or weld batteries.
The risk of explosions and injuries exists!
- Regularly check the condition of the batteries. Leaking batteries can cause damage to the appliance.
- If you do not intend to use the appliance for an extended period, remove the batteries.
- In the event of the batteries leaking acids, wear protective gloves.
- Clean the battery compartment and the battery contacts with a dry cloth.

⚠ Attention!

No liability/warranty will be considered for damage to the DVD player caused by the effects of moisture, water penetration or overheating!

7. Remote control

7.1 Inserting the batteries

- 1.** Open the battery compartment on the rear of the remote control.
- 2.** Now insert the two batteries type AAA/R 03 (micro cells) included in the package into the battery compartment. Make sure that the batteries are inserted in accordance with the correct polarity.
- 3.** Replace the battery compartment cover.

7.2. Using the remote control

In order to guarantee faultless operation when using the remote control...

- Always point the remote control, during use, directly at the DVD player
- Make sure that there are no obstructions between the remote control and the DVD player that will hinder reception
- When using the remote control place yourself not more than 5 metres from the DVD player

Otherwise interferences can occur during operation of the DVD player functions with the remote control.

7.3. Replacing the batteries

If the operation of the DVD player via the remote control does not function properly or does not function at all the batteries must be replaced

- Always renew all batteries in order to return the remote control to its full performance ability.

8. Connecting the DVD Player to a television

After setting up the DVD player, you can now connect it to a television. The DVD player can be connected to a television that operates with the PAL, NTSC and SECAM standards.

If you want to use the DVD player on a television with the NTSC standard you must change the video setting in the DVD player's "OSD menu". There PAL is set as the television standard at the factory.

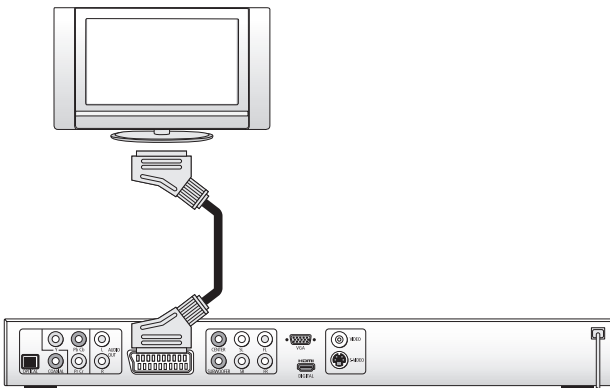
- i** On this topic see also chapter 10.3.
"Video settings: Setting the TV standard".

Depending on the features of the television, there are various options for connecting the DVD player to it:

8.1 Connecting to a television via ScartCable/RGB

i Note:

Connecting the DVD player to a television with a Scart cable via the RGB input offers a high quality connection. Select this connection variation in the case of televisions equipped with an RGB input. If you are not sure if the television is equipped with an RGB input then you can check this by consulting the television's instruction manual.



- Connect the jack inscribed with **EURO SCART** to a television Scart socket by using the supplied Scart cable.
- For playback select the matching channel on your television. Check with the television's instruction manual on how you can set the AV channel.
- In the OSD menu select the menu *Video/Video Out/RGB*.

- i** On this topic see also chapter 10.3
"Video settings: Video output".

8.2 Connecting to a television via S-Video

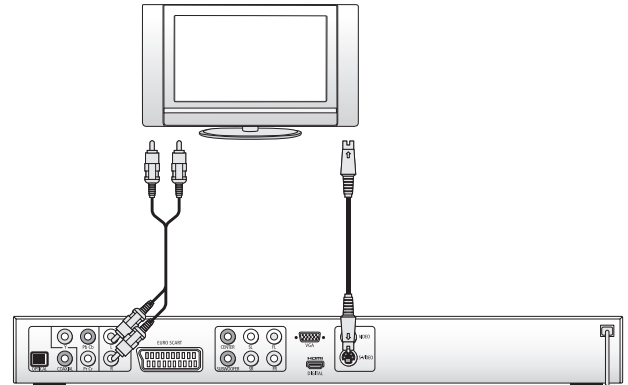
i Note:

For this type of connection the television must have available an S-Video input and two audio "IN" cinch sockets. If you are not sure if the television is equipped with S Video and/or cinch sockets you can check this by consulting the television's instruction manual.

For this connection variant you will need:

- an audio cinch cable (not supplied)
- an S-video cable (not supplied) These can be obtained from your dealer.

In order to connect the DVD player to a television via S-video



- Connect the jack inscribed with **S-VIDEO** to a television S-Video socket using an S-video cable.
- Insert the white audio cinch cable plug into the cinch socket inscribed **L** on the rear panel of the DVD player.
- Then insert the white plug at the other end of the audio cinch cable into the left channel audio socket on the television.
- Insert the red audio cinch cable plug into the cinch socket inscribed **"R"** on the rear panel of the DVD player.
- Then insert the red plug at the other end of the audio cinch cable into the right channel audio socket on the television.
- For playback select the matching channel on your television. Check with the television's instruction manual on how you can set the AV channel.
- In the OSD menu select from the menu *Video/Video Out/RGB*.

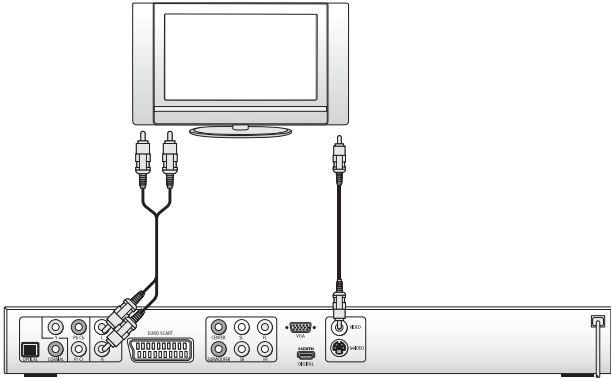
- i** On this topic see also chapter 10.3
"Video settings: Video output".

8.3 Connection to a television via video input (Composite Video)

For this connection variant the television must be equipped with Audio/Video cinch sockets (Composite Video).

In order to connect the DVD player to a television via Composite Video you will need

- an audio/video RCA (cinch) cable (supplied)



- Connect the yellow plug of the Audio/Video cinch cable to the television's yellow VIDEO socket.
- Insert the white audio/video cinch cable plug into the cinch socket inscribed "L" on the rear panel of the DVD player.
- Then insert the white plug at the other end of the Audio/Video cinch cable into the left channel audio socket on the television.
- Insert the red audio/video cinch cable plug into the cinch socket inscribed "R" on the rear panel of the DVD player.
- Then insert the red plug at the other end of the Audio/Video cinch cable into the right channel audio socket on the television.
- For playback select the matching channel on your television Check with the television's instruction manual on how you can set the AV channel.
- In the OSD menu select from the menu *Video/Video Out/RGB*.

i On this topic see also chapter 10.3
"Video settings: Video output".

8.4 Connection via component signal (YPbPr/progressive scan and YUV)

This connection variant is only possible with very high grade televisions, LCD/Plasma screens or Video projectors

Check with the instruction manual of the corresponding playback device to see if this connections variant is available. It is possible that additional playback device settings may have to be implemented.

The so called "Component signal" is put out via the YPbPr socket of the DVD player. The Component signal is also available in the form of

- the so called "YUV" signals (Half images)
- so called "YPbPr" signal (Full image/Progressive Scan).

i On this topic, please refer to Section 17.
"Glossary / KeyWord Index".

i Note:

For both variants the television, to which you want to connect the DVD player, must be equipped with two audio "IN" cinch sockets.

The cable connections are the same in both cases;YPbPr-signal for Progressive Scan however can only be used if the television (or Video projector), to which you want to connect the DVD player, is capable of Progressive Scan.

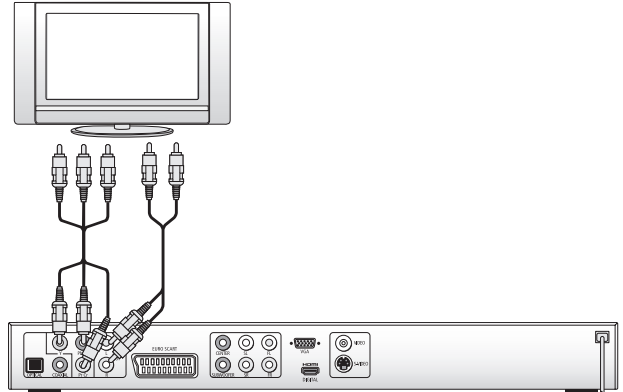
If you are not sure whether the television (or Video projector), to which you want to connect the DVD player is capable of Progressive Scan and has cinch sockets available then you can check this by consulting the television's (or Video projector's) instruction manual.

For both variations – "YPbPr" and "YUV" – you will need

- an audio cinch cable (not supplied)
- an YUV cable (not supplied) These can be obtained from your dealer.

On the rear panel of the DVD player you will find the three so called "Component Colour Out" sockets "Y", "Pb/Cb" and "Pr/Cr".

Connecting the DVD player via component signal:



- Connect the sockets Y (green), PB/CB (blue), and PR/CR (red) with the corresponding sockets on the television.
- Insert the white audio cinch cable plug into the cinch socket inscribed "L" on the rear panel of the DVD player.
- Then insert the white plug at the other end of the audio cinch cable into the left channel audio socket on the television.
- Insert the red audio cinch cable plug into the cinch socket inscribed R on the rear panel of the DVD player.
- Then insert the red plug at the other end of the audio cinch cable into the right channel audio socket on the television.
- For playback select the matching channel on your television Check with the television's instruction manual on how you can set the AV channel.
- In the OSD menu select the menu *Video/Video Out/Component* and/or *P-Scan*.

i On this topic see also chapter 10.3
"Video settings: Video output".

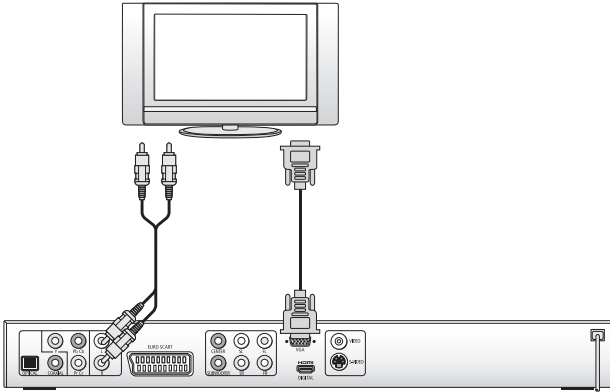
8.5 Connection via VGA

This connection variant is only possible with very high grade televisions, LCD/Plasma screens or Video projectors. For this type of connection the television must have available a VGA input and two audio "IN" cinch sockets. Check with the instruction manual of the corresponding playback device to see if this connections variant is available. It is possible that additional playback device settings may have to be implemented.

For this connection variant you will need:

- an audio cinch cable (not supplied)
- a VGA cable (not supplied) These can be obtained from your dealer.

Connecting the DVD player via VGA:



- Connect the jack inscribed with **VGA** using a VGA cable to the corresponding socket on the television.
- Secure both plugs of the VGA cable with the screws.
- Insert the white audio cinch cable plug into the cinch socket inscribed "L" on the rear panel of the DVD player.
- Then insert the white plug at the other end of the audio cinch cable into the left channel audio socket on the television.
- Insert the red audio cinch cable plug into the cinch socket inscribed "R" on the rear panel of the DVD player.
- Then insert the red plug at the other end of the audio cinch cable into the right channel audio socket on the television.
- For playback select the matching channel on your television Check with the television's instruction manual on how you can set the AV channel.
- In the OSD menu select from the menu *Video/Video Out/VGA*.

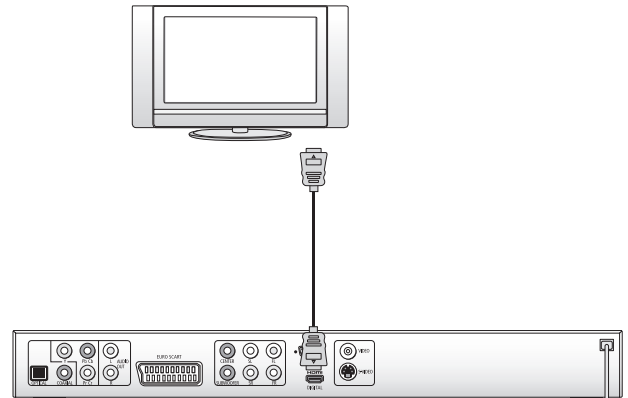
i On this topic see also chapter 10.3
„Video settings: Video output“.

8.6 Connection via HDMI

This connection variant is only possible with very high grade televisions, LCD/Plasma screens or Video projectors

Check with the instruction manual of the corresponding playback device to see if this type of connection is available. It is possible that additional playback device settings may have to be implemented. For this type of connection you will need a HDMI cable (not supplied); this can be obtained from your dealer.

Connecting the DVD player via HDMI:



- Connect the jack inscribed with **HDMI** using a HDMI cable to the corresponding socket on the television.
- For playback select the matching channel on your television Check with the television's instruction manual on how you can set the AV channel.
- In the OSD menu select from the menu *Video/Video Out/HDMI*.

i On this topic see also chapter 10.3
"Video settings: Video output".

9. Connecting audio components to the DVD player

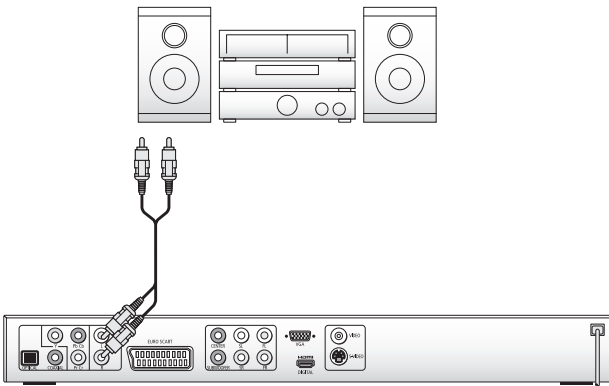
Besides sound playback of DVDs, VCDs/S-VCDs and audio and MP3 CDs via the speaker of the television, to which the DVD player is connected, sound can also be played back via external audio components such as a HiFi system, Dolby digital/DTS receiver or a surround sound system.

9.1 Requirements for the connection of a HiFi system

In order to enjoy a full sound experience when playing DVDs with the DVD player you can connect a HiFi system to the player. Before connecting check with the HiFi system's instruction manual to verify...

- if the HiFi system is suitable for connection to a DVD player. If yes...
- if the HiFi system is equipped with cinch sockets; if yes, you can connect the HiFi system to the DVD player via cinch cables.

Connecting a HiFi system:



- Insert the white plug of the cinch cable into the cinch socket inscribed **L** on the rear panel of the DVD player.
- Then insert the white plug at the other end of the cinch cable into the left channel cinch socket on the HiFi system.
- Insert the red cinch cable plug into the cinch socket inscribed **R** on the rear panel of the DVD player.
- Insert the red plug at the other end of the cinch cable into the right channel cinch socket of the HiFi system.
- Check with the instruction manual which settings on the HiFi system may be necessary in order to reproduce sound via the HiFi system during the playback of a DVD, VCD/S-VCD, Audio or MP3 CD from the DVD player.

Note:

For an optimal sound experience place your HiFi system's loud speakers to the left and to the right of the television, on which you connected the DVD player.

If you connected the DVD player to the television via a Scart cable the Audio signal will be transmitted via the cinch cable to your HiFi system as well as via the Scart cable to the television. In this case, set the volume of the television to the lowest value.

9.2 Connecting digital audio components via digital cables

In order to enjoy Surround Sound during playback of correspondingly equipped DVDs (recognisable by the Dolby Digital or DTS-Logo) you can connect the DVD player to digital Audio components, for example a Dolby Digital or DTS receiver or a suitable Surround system.

You can purchase the necessary cables for the hereafter described connection variants from your dealer.

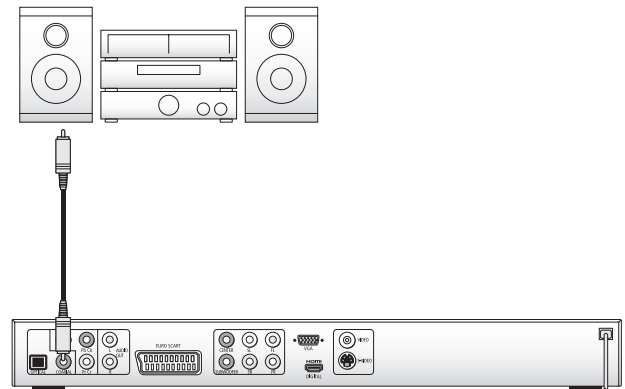
First check with the digital components instruction manual to see if it allows for connection to the DVD player...

- via a coaxial cable
- or via an optical cable.

Connection via coaxial cable

In order to connect the DVD player to a digital audio component with a digital coaxial cable...

- Connect the **COAXIAL** inscribed plug to the corresponding socket on the digital audio component.



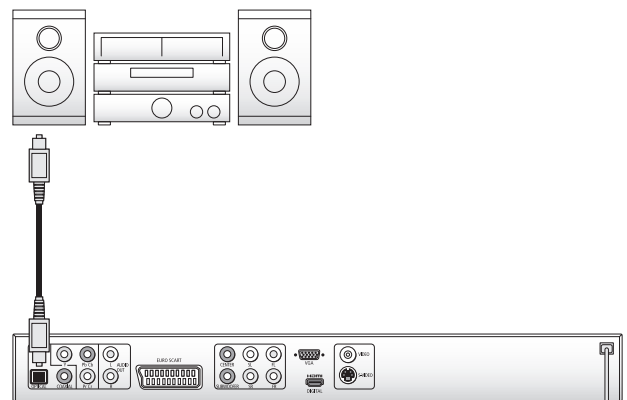
Connecting via optical cable

In order to connect the DVD player to a digital audio component with an optical cable...

- Remove the protective plug from the **OPTICAL** inscribed socket on the rear panel of the DVD player and insert the optical cable plug.
- Insert the plug at the other end of the optical cable in the corresponding socket of the digital audio component.

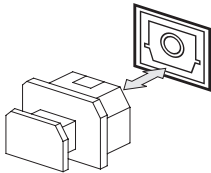
Note:

The optical cable is a glass fibre cable and must not be bent during installation. Otherwise the glass fibre contained in the cable could break and the cable would become unusable.



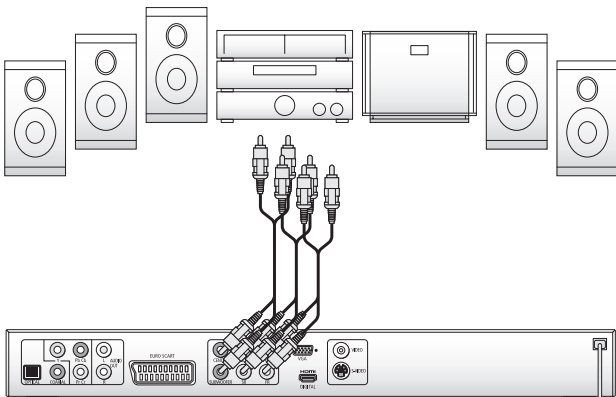
Note:

Make sure that no dirt can enter into the optical cable socket. This could cause signal interference. Always insert the protective plug into the socket if no optical cable is connected.



9.3 Connecting audio components via an analogue cable

If a digital input is not available on the audio component you can connect the DVD player to it via conventional analogue cinch cables.



In order to connect the DVD player with analogue cables...
Insert a cinch cable in each of...

- the sockets inscribed with **FL** (front left channel)
- the sockets inscribed with **FR** (front right channel)
- the sockets inscribed with **SL** (rear left channel)
- the sockets inscribed with **SR** (rear right channel)
- the socket inscribed with **CENTRE** (front centre channel) and
- the socket inscribed with **SUBWOOFER** (Bass) on the rear panel of the DVD player.
- insert the cinch cables into the corresponding analogue inputs of the audio component.

10. OSD menu settings

All possible settings on the DVD player can be administered with the remote control via the so called "OnScreen display" menu (in short "OSD Menu"). The OSD Menu will be superimposed on the television screen.



Before you use the DVD player for the first time for playback of DVDs, VCDs/S-VCDs or Audio-/MP3-CDs you must implement a few settings via the OSD Menu. These settings are dependent amongst others on...

- the language, in which you want the OSD Menu to be displayed
- which TV standard corresponds to the television, to which you want to connect the DVD player
- Which image format your television can display

Administering settings via the OSD menu

- First insert the connector plug of the DVD player's power cord into a power socket.
- To switch on the DVD player press the **POWER** button on the front panel of the DVD player. If the DVD player is already switched on but is in standby mode, press the button **STANDBY** on the remote control to switch the DVD player on. Standby mode is characterized by the red LED on the front panel of the appliance.

The device will check to see if a disc is inserted. The SilverCrest logo appears on the television screen:



If no disc is inserted the notification **NO DISC** appears on the television screen and in the display.

- Firstly please familiarize yourself with the OSD Menu's operation by means of the following brief introduction.

10.1. Using the OSD Menu

To access the DVD player's OSD Menu...

- Press the **SETUP** button on the remote control.
The OSD Menu with its menu options will appear on the television screen:



The following menu options can be set:

Language, Video, Audio, Rating and **Misc.**

- The control buttons ◀▶ ▲▼ will move you through the OSD Menu.
To confirm a selection or input press the "OK" button.
- To exit the selected OSD menu option, press the control button ◀ until the left menu tab (**Language, Video** etc.) is active. Select another Menu tab with the control buttons ▲▼ and activate the OSD Menu option with the control button ▶.
- To exit the OSD Menu press the button "Setup" again.

10.2 Language Settings

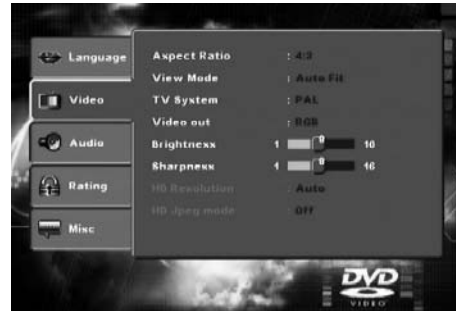
You can preset the language for the OSD-language, DVD menu, DVD subtitle, Audio, DivX subtitle and DivX Sub Position functions. These settings are valid for every DVD if the selected language is present on the DVD.



- OSD language:** Here you set the language, in which the OSD Menu will be displayed on the television screen.
- DVD menu:** Here you set the language, in which the DVD Menu will be displayed on the television screen. Not all films contain a menu on the DVD. If a menu is available then it can only be shown in the language that you set if this language is available on the DVD. If the selected language is not available then the DVD Menu will be displayed in another language.
- DVD subtitle:** Here you set the language of the subtitle when the playback of a DVD is displayed on the television screen (only if the language is present on the DVD).
- Audio:** Here you set the language, in which the DVD should be started. Films can then only be played back in the language that you selected if this language is available on the DVD. If the selected language is not available the DVD will start with another language.
- DivX subtitle:** Here you set the character encoding for the DivX Subtitle. The default setting is Western European.
- DivX Sub Position:** Here you set the position (**Bottom/Middle/High**) of the DivX subtitles.

10.3 Video settings

In this OSD menu you can administer the settings for **Aspect Ratio, View Mode, TV-System, Video-out, Brightness, Sharpness, HD Resolution** and **HD-JPEG-Mode**.



- Aspect Ratio:** Here you set the Image format, in which the film should be displayed on the television screen (**4:3** or **16:9**). The correct setting depends on the television to which you would like to connect the DVD player.
- View Mode:** Here you can align the height and width of the image presentation with the playback appliance being used, i.e. Pan & Scan (Alignment of the wide image format to the 4:3 presentation).
- TV-System:** Here you set the TV-Standard (PAL/NTSC/Multi) of your playback device. Only set Multi if you have connected the DVD player to a multi-standard television.
- Video-out:** Here you set the Video output, through which the DVD player is connected to the playback device.
- | | |
|-------------------|--|
| Component: | Output in YUV format via the component outlets |
| RGB: | Output in RGB format via the SCART outlet, the S-Video outlet and the Composite video outlet |
| P-Scan: | Output in Progressive scan format via the component outlets |
| VGA: | Output in VGA format via the VGA outlet |
| HDMI: | Output in HDMI format via the HDMI outlet |

- After selection of a video output press the **OK** button to confirm. An enquiry window appears.
- Select the input **Yes** to undertake changing of the video output. After the video output is changed another inquiry window appears.
- Select the input **Yes** when the image is correctly depicted. The video output is now changed.
- Select the input **No** if the image is not correctly depicted or wait 15 seconds to return to the previous video output setting.

Note:

When switching from the setting **HDMI** to the setting **RGB** the display will not return to the previous setting after 15 seconds. Select in this case the entry **No**.

Note:

Should image errors occur during output via a **VGA** device, change the setting in the TV standard menu to **Multi**.

⚠ Attention!

In the event that you set an incorrect Video output, for example "P-Scan", although your television is not capable of Progressive Scan, then the television screen will suddenly become black.

This is not a defect of the television or the DVD player!

In this case press the **■ STOP** button on the front panel of the DVD player or on the remote control.

Then keep pressing the button "Video Out" on the remote control until the Image reappears on the television screen.

- Brightness:** Here, with the control buttons ◀▶, you set the brightness value (1-16) of the DVD player.
- Sharpness:** Here, with the control buttons ◀▶ you set the sharpness value (1-16) of the DVD player.
- HD Resolution:** Here you can select from several resolutions for the HDMI output. Check, using the playback device's instruction manual, which resolutions (480p/576p/720p/1080i/Auto) are supported. In the Auto setting the resolution 720p is used.
- HD-JPEG-Mode:** Here you can select from several resolutions for the image display via the HDMI Output.

10.4 Audio settings

In this OSD menu you can administer the settings for the **Bass management**, the **Box dimensions** individual speakers, **Test tones**, **Delays**, **digital Output**, **Night Mode** and **ProLogic**.



Bass

management: Here you can Activate/Deactivate the Bass-Management. Activation (On) is necessary if you are not using a 5.1 amplifier with its own speaker management but rather want the sound output transmitted via a particular amplifier. In this case the DVD player must be informed which kind of speaker (Small/Large) is to be run from the respective sound output. In this way the sound and the separation of Highs, Middles and Basses can be optimally conformed.

Front speakers, Center speaker, Surround

speakers: Here you can Activate/Deactivate the particular speaker type and set the size.

Large: Activate sound output for large speakers.

Small: Activate sound output for small speakers. (selectable only when Bass-Management is activated)

None: Deactivate sound output for these types of speakers

i Note:

The entry **Front speakers** can not be deactivated since sound output for the front speakers is always switched on.

Subwoofer: Set this entry to **Present** when a subwoofer is connected and is to be activated.

In order to deactivate this sound output set the entry to **None**.

Test tones: Here you can switch on a test sound for each particular audio output in order to check your 5.1 Surround settings.

**Center delay,
Surr. delay:** Here you set the delay for the centre and rear surround loudspeakers. Each increase of the distance setting corresponds to a delay of one millisecond. With optimal settings the sound reaches your ears simultaneously from all directions.

Center: No Delay, 0.3, 0.6, 1, 1.4, 1.7 m

Surround: No Delay, 1, 2, 3, 4 or 5.1 m

Digital Output: Here you set the DVD player's digital output signal.

OFF: no digital audio component connected

PCM: two channel digital audio component connected via co-axial cable or optical cable.

RAW: multi channel digital audio component, i.e. DTS receiver, connected via co-axial cable or optical cable.

Night Mode: Here you can activate/deactivate the night mode. This setting facilitates an optimal sound playback with reduced volume. The loud passages are suppressed and the quieter passages are played back a little louder. This function is only possible when using a digital audio component.

ProLogic: Here you set the Dolby ProLogic compatibility.

OFF: No Dolby ProLogic compatible audio component is connected to the analogue stereo output (L/R).

ON: A Dolby ProLogic compatible audio component is connected to the analogue stereo output (L/R) of the DVD player.

10.5 Menu Rating

In this menu you can implement the settings for child security and change the password.

Note:

Only a few DVDs have a technical age restriction available. If there is no technical age restriction on the DVD your DVD player's child lock feature can not be activated. The child lock can only function if it is activated on the DVD player and a corresponding code is available on the inserted DVD. When you insert a DVD which, according to the child lock, may not be played a window appears on the screen, in which you must enter your password and confirm with OK.



Parental Control: Here you set the child security in three stages.

- G:** Only DVDs without age restrictions can be played back.
- PG-13:** No DVD with an age release from 13 years can be played back.
- Adult:** All DVDs, including those with age restrictions over 18 can be played.

In order to activate the age release you must select from the OSD menu **Rating** the item **Parental Control** and enter the password (**8888**). Confirm your entry by pressing the **OK** button. Select the item **Parental Control** again and now set the desired child lock level. Confirm your entry by pressing the **OK** button.

Set Password: Here you can change the preset password (**8888**) and enter your own password.. Only the numbers 0-9 can be used.

To change the password select from the OSD menu the item **Set Password**. Enter the valid password. Confirm your entry by pressing the **OK** button. Select the item **Set Password** again and enter the new password. Confirm your entry by pressing the **OK** button.

Note:

In the event that you forget your new password you can use the factory preset password (**8888**).

10.6 Diverse settings (Misc)

In this Menu you can return the DVD player to its factory defaults and set the DVD playback priority.



Use Default

Settings: Here you reset the DVD player's factory default settings.

DVD Priority: Here you make the setting to decide whether in audio DVDs with additional film material priority for display is given to the music or the film material.

DVD-AUDIO: The music has display priority.

DVD-VIDEO: Film material in Dolby 5.1 has display priority.

11. Initial operation of the DVD player

After you have ...

- placed the DVD player in a suitable location
- connected the DVD player to a television by one of the designated connection options
- connected the DVD player, if desired, to a HiFi or Surround system (analogue/digital) for example a Dolby Digital or DTS receiver
- made the remote control ready for operation by inserting the batteries
- and know how to activate and operate the OSD menu with the remote control

... the DVD player is ready for operation.

11.1 Inserting the DVD

To play a disc with the DVD player:

- Switch on your television.
- Make sure that the DVD player is ready for operation.

If the television, the DVD player and possibly other connected devices (i.e. an audio component) are ready for operation and are switched on and the DVD player is connected correctly to the television you will now see the Silvercrest logo on the TV screen

If no disc is inserted into the DVD player's disc tray:

The message **No Disc** is displayed on the television screen.

- Open the disc tray by pressing the button **▲ OPEN/CLOSE** on the remote control or on the front panel of the DVD player. **Open** is displayed on the television screen.
- Insert the disc in the disc tray with the inscribed/labeled side up. For twin-sided discs: The side you would like to play must face down.
- After you have inserted the disc press the button **▲ OPEN/CLOSE** on the remote control or on the front panel of the DVD player again to close the disc tray.
- The contents of the disc will now be loaded; this may take a few seconds. In the meantime **Loading...** is displayed on the television screen.

11.2 Inserting memory cards/USB memory sticks with MP3/WMA/ DivX/JPEG data

Note:

The DVD-Player always starts in DVD mode. To read memory cards you press the button "DVD/Card/USB" on the remote control. The DVD player recognizes the data formats JPEG, MP3, WMA und MPEG4 (DivX).

Always only insert one memory card in the DVD-Player. The DVD-Player always reads the data from the bottom compartment for the CF I/CF II-Card. If a memory card is inserted here, the data in the upper slot is not read.

In order to insert memory cards of types CF I/CF II, SD, MS/MSPPro, MMC and SM into the DVD-Player:

- Switch on your television.
- Make sure that the DVD player is ready for operation.

If the television, the DVD player and possibly other connected devices (i.e. an audio component) are ready for operation and are switched on and the DVD player is connected correctly to the television you will now see the Silvercrest logo on the TV screen

If no disc is inserted into the DVD player's disc tray: The message **No Disc** is displayed on the television screen.

- Open the memory card slot front cover on the front panel of the DVD player. To do this press your finger on the mottled triangle on the flap. The flap opens.
- Now slide the memory card into one of the memory card slots. Then proceed with the following steps depending on the type of memory card that you want the device to read.

Warning!

Always be sure to insert the memory cards into the memory card slots as described below! Never bend the memory cards while inserting them into the memory cards slots! With gentle pressure slide the memory card into the memory card slot as far as it will go.

If memory cards cannot be inserted without applying force:

- Check to make sure that the memory card is one that the DVD player is capable of reading.
Do not attempt to insert memory cards of a different type into one of the memory card slots!
- Make sure that you have inserted the memory card into the memory card slot in the correct manner.
- Under no circumstances attempt to force the memory card into the memory card slot!

Otherwise the DVD player, memory card and the data on the memory card could be damaged!

Supported memory card types and capacities

Memory cards of the types CF I/CF II (512 MB), SD (512 MB), MS/MSPPro (128 MB), MMC (128 MB) and SM (128 MB) can be read.

Supported file structure and file formats

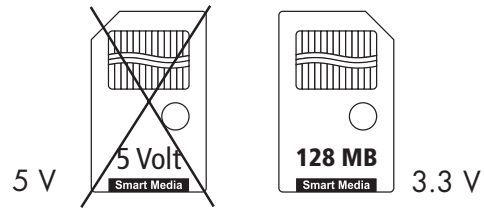
- 2 file levels are supported
- The total file count should be not more than 10 (max. 5 files on each of the 2 file levels)
- A max. of 100 files are supported on the memory media
- Files with mixed file formats are not supported
- A JPEG file larger than 1 MB can lead to faulty images on the television screen

SmartMedia memory cards (SM)

Note:

Only SmartMedia memory cards of type 3.3 V can be used!
SmartMedia memory cards of type 5 V cannot be used!

You can easily distinguish SmartMedia memory cards by means of the following diagram:



You must insert the SmartMedia memory cards (3,3V) into the upper memory card slot. Insert the SM memory card into the upper memory card slot straight and with the contacts forward.

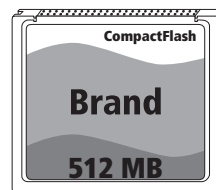
For this purpose...

- the side of the memory card that the contacts are on must be facing upwards and
- the slanted corner of the memory card must be on the right side.

CompactFlash memory cards (CF I/CF II)

CompactFlash memory cards types 1 and 2 must be inserted into the lower memory card slot. Insert CF memory cards into the upper memory card compartment contacts first and straight.

The side of the memory card with the manufacturer's logo label must face up.

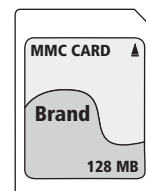


MultiMediaCard- /SecureDigital memory cards (MMC/SD)

MultiMediaCard/SecureDigital memory cards must be inserted into the upper memory card compartment. Insert the MMC-/SD memory cards into the upper memory card slot straight and with the contacts forward.

For this purpose...

- the side of the memory card that the contacts are on must be facing downwards and
- the slanted corner of the memory card must be on the right side

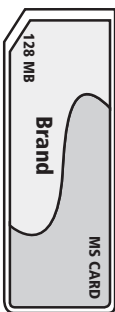


MemoryStick memory cards (MS/MSPro)

MemoryStick memory cards must be inserted into the upper memory card compartment. Insert MF memory cards into the upper memory card compartment contacts first and straight.

For this purpose...

- the side of the memory card that the contacts are on must be facing downwards and
- the slanted corner of the memory card must be on the left side.



USB memory sticks (USB)

The DVD player supports USB memory sticks 1.1 and 2.0 up to a capacity of 512MB.

USB memory sticks must be inserted into the USB port.



- Press the DVD/CARD/USB button on the remote control and with the control buttons ▲▼ select the entry USB. subsequently press the OK button to display the contents of the memory card.

This procedure also applies to particular memory cards.

- If the USB memory stick is inserted correctly into the port the green control light next to the lower loading slot will light up.

11.3 Removing memory cards/USB memory sticks

Memory cards/USB Memory sticks should only be removed after the memory card slot is deactivated. Thus avoiding the possibility of damage or data loss.

- Press the button DVD/CARD/USB on the remote control to return to the DVD mode. For this a disc must be inserted into the DVD player. The green control light next to the memory card slot will go out.
- You can now remove the memory card/USB memory stick from the memory card slot.

12. Playing back DVDs, VCDs or S-VCDs

To play back a DVD/VCD/S-VCD with the DVD player...

- Switch on your television.
- Make sure that the DVD player is ready for operation.

If the television, the DVD player and possibly other connected devices (i.e. an audio component) are ready for operation and are switched on and the DVD player is connected correctly to the television you will now see the "SilverCrest" logo on the TV screen



- Open the disc tray on the front panel of the DVD player by pressing the button ▲ OPEN/CLOSE on the front panel of the DVD player or on the remote control.

OPEN will now appear in the display on the front panel of the DVD player and on the television screen.

- Insert a DVD/VCD/S-VCD disc in the disc tray with the inscribed/labeled side up.
- Press the button ▲OPEN/CLOSE on the front panel of the DVD player or on the remote control again to close the disc tray.

CLOSE will appear in the display on the front panel of the DVD player and on the television screen while the disc tray is closing.


- The contents of the inserted DVD/VCD/S-VCD will now be loaded; this may take a few seconds. In the meantime LOAD flashes in the display on the front panel of the DVD player and Loading... is displayed on the television screen.
- Playback of the inserted DVD/VCD/S-VCD starts automatically.

ⓘ Note:

DVDs, VCDs and S-VCDs, that you want to playback with the DVD player possibly have a country code, which is printed on the DVD cover.

The DVD player can only playback DVDs/VCDs/S-VCDs with the country code 2.

If no country code is printed on the cover of a DVD/VCD/S-VCD...

- but instead the symbol , then the DVD/VCD/S-VCD can be played back with the DVD player
- then the DVD/VCD/S-VCD can possibly not be played back with the DVD player. You can check this by attempting to play back the DVD.

Depending on the inserted DVD/VCD/S-VCD it is possible that the contents of the DVD/VCD/S-VCD will not playback immediately, rather first a selection menu appears on the television screen.

In this event select the menu option which will start the playback of the film with the control button ◀▶ ▲▼ on the remote control.

- To start the playback of the film...
- Press the **OK** button on the remote control.

or

- Press the ▶ **PLAY** button on the front panel of the DVD player or on the remote control.

Play will briefly be superimposed on the television screen. In the display on the front panel of the DVD player will be shown...

if you have inserted a DVD:

- "DVD"
- the number of the currently playing title and chapter
- the played back so far time of the currently playing DVD in hours, minutes and seconds

if you have inserted a VCD/S-VCD:

- "VCD" or "S-VCD"
- the number of the currently playing title
- the played back so far time of the currently playing VCD/S-VCD in hours, minutes and seconds

12.1 Features during playback of a DVD, VCD or S-VCD

During the playback of a DVD/VCD/S-VCD you can use the following DVD player features...

Pause playback

To pause the playback of the inserted DVD/VCD/S-VCD...

- during playback press the button ▶ / || **PLAY/PAUSE** on the front panel of the DVD player or the button || **PAUSE/STEP** on the remote control.

|| will appear in the display on the front panel of the DVD player and **Pause** will be displayed on the television screen.

On the television screen you will see a freeze frame of the scene that has just been halted.

- Press the button || **PAUSE/STEP** on the remote control to skip to the next image.
- To proceed with the playback of the film press the button ▶ **PLAY**.

To cancel the playback (STOP)

To cancel playback of a film on an inserted DVD/VCD/S-VCD press the button ■ **STOP** on the front panel of the DVD player or on the remote control.

With Resume function

If you have cancelled playback of the inserted DVD/VCD/S-VCD by pressing the button ■ **STOP** once, the DVD player automatically saves the position where playback was interrupted. This function is called "Resume function". On the television screen ■ ▶ is displayed. As soon as you press the button ▶ **PLAY** again on the front panel of the DVD player or on the remote control playback will continue from the saved position.

Without Resume function

If you have cancelled playback of the inserted DVD/VCD/S-VCD by pressing the button ■ **STOP** once and you press the button ■ **STOP** a second time the saved position, at which you interrupted the playback, will be cleared. As soon as you press the button ▶ **PLAY** again playback of the inserted DVD/VCD/S-VCD will start at the beginning.

Accessing the DVD menu (Menu)

ⓘ **Note:**

This function may not be available on all DVDs! If you attempt to carry out a function that is not available the symbol Ⓞ will be displayed on the television screen.

With many films on DVD there is a main menu on the disc that apart from the option of playing the main film enables you, for example...

- to choose the language for subtitles and film dialogue
- to select direct from chapters
- to playback the films bonus material (Background information, "Making of" etc.)

If such a menu is present on the DVD inserted in the DVD player you can access it during playback by pressing the **MENU** button on the remote control.

You can select particular menu items by pressing the control buttons ◀▶ ▲▼ on the remote control; to confirm the selected menu item press ...

- the ▶ **SPLAY** button on the front panel of the DVD player or on the remote control.

or

- the **OK** button on the remote control.

To return to playback press the **MENU** button on the remote control again. Use the buttons **PAGE-** and **PAGE+** to select between the DVD menus pages.

ⓘ **Note:**

This function is not available with all DVDs.

ⓘ **Note:**

*If you cancel playback by pressing the button ■ **STOP** twice (Playback stop without Resume function) activation of the main menu on the disc is not possible.*

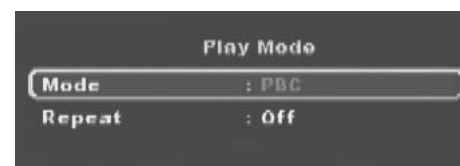
Playback Control (PBC) with VCDs/S-VCDs

Many VCDs/S-VCDs have Playback Control (in short "PBC"). Playback control means a main menu, which allows for operation of several functions of the VCD/S-VCD.

If PBC is available on the disc inserted into the DVD player then you must first activate it in order to superimpose the menu.

To activate PBC...

- Press the **MODE** button on the remote control during playback or when playback is cancelled. The "Playback mode" menu will be superimposed on the television screen.



- The **Mode** menu item is automatically selected first. By pressing the button **OK** on the remote control you can select between the options **Off**, **Shuffle** and **PBC**. Set to **PBC** and press the **MODE** button again. The "Playback mode" menu fades out and **PBC** is now switched on.


ⓘ **Note:**

If you switch on PBC during playback it is possible that playback will be cancelled and starts again from the beginning.

- To superimpose the PBC main menu press the button **MENU** on the remote control during playback.

Skip to start of chapter (SKIP)

Note:

This function may not be available on all DVDs! If you attempt to carry out a function that is not available the symbol  will be displayed on the television screen.


Within the film on the inserted DVD/VCD/S-VCD during playback the buttons **SKIP FORWARD** and **SKIP BACKWARD** on the remote control or on the front panel of the appliance allows you to skip...

- forward to the beginning of the next chapter or
- backward to the preceding chapter

The respectively selected chapter will playback immediately without the necessity of pressing the button **PLAY**. The number of the respectively selected chapter will be displayed on the front panel of the DVD player to the left of the played back so far time.

Title number input via the number buttons

Note:

This function may not be available on all DVDs! If you attempt to carry out a function that is not available the symbol  will be displayed on the television screen.

Instead of using the Skip function you can also access a title from within the film of an inserted DVD/VCD/S-VCD directly by entering the title number via the number buttons **0** to **9** on the remote control.

To do this ...


- During playback or when playback is cancelled press the number buttons on the remote control that correspond to the title number that you want i.e. press the **3** button for the third title or the buttons **1** followed by **0** for the tenth title. The entered numbers will be briefly superimposed on the television screen.
- Then press the **OK** button on the remote control. Playback of the entered number title will now start automatically.

Search function (Search)

To select a title or chapter from the inserted DVD/VCD/S-VCD direct you can also use the search function:

Direct chapter or time selection using the search function (Search)

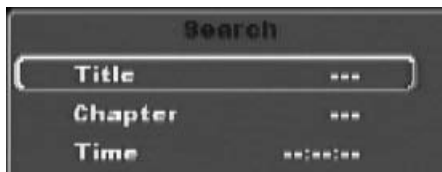
Note:

This function may not be available on all DVDs! If you attempt to carry out a function that is not available the symbol  will be displayed on the television screen.

Entry of the time position via the search function

In order to select a chapter by entering its time position ...

- During playback press the button **SEARCH** on the remote control. The "Search" Menu will be superimposed on the television screen.



- The **---** marked entry field **Title** is automatically the first selection. Enter the desired title with the number buttons **0** to **9**. The title **01** is with most DVDs the main film.

- Press the control button **▼** to select the **---** marked input field **Chapter**. Enter the desired chapter with the number buttons **0** to **9**.
- Press the control button **▼** to select the **--:--:--** marked entry field **Time**. With the number buttons **0** to **9** enter the time position in hours, minutes and seconds.

Example:

To begin playback 1 hour, 5 minutes and 30 seconds from the start of a film press successively the number buttons ...

- **0, 1** for 1 hour;
- **0, 5** for 5 minutes;
- **3, 0** for 30 seconds

Subsequently press the **OK** button to start playback at the selected position.

If you want to remove a position from the entry field select the position to be removed with the control buttons **◀▶** and press the **CLR** button on the remote control.

The display now skips back to **"--"**.

To fade out the "Search" menu press the button **SEARCH** again on the remote control.

Fast scan forward/backward

In order to select specific passages in fast scan mode during playback of the inserted DVD/VCD/S-VCD ...

- For fast scan forward press the button **▶ F.FWD...**
- once for doubled fast scan speed; **x2** is displayed on the television screen
- Twice for four times fast scan speed; **x4** is displayed on the television screen
- three times for eight times fast scan speed; **x8** is displayed on the television screen
- four times for sixteen times fast scan speed; **x16** is displayed on the television screen
- five times for thirty two times fast scan speed; **x32** is displayed on the television screen
- For fast scan backwards press the button **◀ "F.RWD"...**
- once for doubled fast scan speed; **x2** is displayed on the television screen
- Twice for four times fast scan speed; **x4** is displayed on the television screen
- three times for eight times fast scan speed; **x8** is displayed on the television screen
- four times for sixteen times fast scan speed; **x16** is displayed on the television screen
- five times for thirty two times fast scan speed; **x16** is displayed on the television screen

Note:

During fast scan no sound will be played back.

- To resume playback of the film at the selected location in normal speed, during scan press the button **▶ PLAY** on the front panel of the DVD player or on the remote control. **Play** will again be displayed on the television screen.

Slow down playback forwards/backwards (Slow motion)

To playback the contents of the inserted DVD/VCD/S-VCD in slow motion ...

- For slow motion forward press the "S.FWD" button...
- once for half playback speed (compared to normal playback speed); 1/2 is displayed on the television screen
- twice for a quarter of the playback speed; 1/4 is displayed on the television screen
- three times for one sixth of the playback speed; 1/6 is displayed on the television screen
- four times for one eighth of the playback speed; 1/8 is displayed on the television screen
- For slow motion backwards press the S.RWD button...
- once for half the playback speed; 1/2 is displayed on the television screen
- twice for a quarter of the playback speed; 1/4 is displayed on the television screen
- three times for one sixth of the playback speed; 1/6 is displayed on the television screen
- four times for one eighth of the playback speed; 1/8 is displayed on the television screen

Note:

During slow motion playback no sound will be played.

- To resume playback at a selected location in normal speed, during slow motion playback press the button ► **PLAY** on the front panel of the DVD player or on the remote control. **Play** will again be displayed on the television screen.

Frame advance (Step)

Note:

This function may not be available on all DVDs! If you attempt to carry out a function that is not available the symbol Ⓞ will be displayed on the television screen.

To switch the contents of an inserted DVD/VCD/S-VCD forward frame by frame...

- During playback press the button || **PAUSE/STEP** to stop playback. On the television screen you will see a freeze frame of the scene that has just been halted.
- With each further press of the || **PAUSE/STEP** button you will advance the frames forward one at a time.
- To continue playback press the ► **PLAY** button on the front panel of the DVD player or on the remote control.

Image enlargement (Zoom)

Note:

This function may not be available on all DVDs! If you attempt to carry out a function that is not available the symbol Ⓞ will be displayed on the television screen.

During the playback of an inserted DVD/VCD/S-VCD you can enlarge the image on the television screen in three levels. For this press the **ZOOM** button on the remote control...

- once for the first enlargement level; "1" is displayed on the television screen
- twice for the second enlargement level; "2" is displayed on the television screen
- three times for the third enlargement level; "3" is displayed on the television screen

With the control buttons ◀▶ ▲▼ sections of the enlargement can be suspended.

To switch off the zoom function and return to the normal image size press the "ZOOM" button once more; **Off** is displayed on the television screen.

Change camera aspect (Angle)

Note:

This function may not be available on all DVDs! If you attempt to carry out a function that is not available the symbol Ⓞ will be displayed on the television screen.

Many films on DVD/VCD/S-VCD contain chapters, which were recorded from different camera aspects simultaneously. With films that have such chapters available you can view the same chapter from different perspectives.

For this press the ◀ **ANGLE** button on the remote control during playback of an inserted DVD/VCD/S-VCD. Each press of the ◀ **ANGLE** button will switch to one of the available camera perspectives.

Superimpose/fade out subtitles

Note:

This function may not be available on all DVDs! If you attempt to carry out a function that is not available the symbol Ⓞ will be displayed on the television screen.

If the film on the inserted DVD/VCD/S-VCD has subtitles available you can superimpose these on the television screen during playback by pressing the □ **SUBTITLE** button on the remote control.

With the first press of the □ **SUBTITLE** button the subtitle of the first available language will be superimposed on the television screen. With each further press of the □ **SUBTITLE** button the subtitles of other available languages will be superimposed successively on the television screen.

The number of the currently superimposed subtitle language will be superimposed on the television screen (i.e. "1/10" for the first of ten available subtitle languages).

When the last of the available subtitle languages is superimposed (i.e. "10/10" for the tenth of ten available subtitle languages) you can switch off the subtitle function by pressing the □ **SUBTITLE** button again. **OFF** is superimposed on the television screen.

Change playback language

Note:

This function may not be available on all DVDs/VCDs/S-VCDs! If you attempt to carry out a function that is not available the symbol Ⓞ will be displayed on the television screen.


With many films on DVD/VCD/S-VCD you can, during playback, select another playback language by pressing the ◀ **AUDIO** button on the remote control.

The first press of the ◀ **AUDIO** button switches to the first available playback language. Each additional press of the ◀ **AUDIO** button switches to the next available playback language.

The currently switched on playback language will be superimposed on the television screen.

Programmed playback (PRG)

Note:

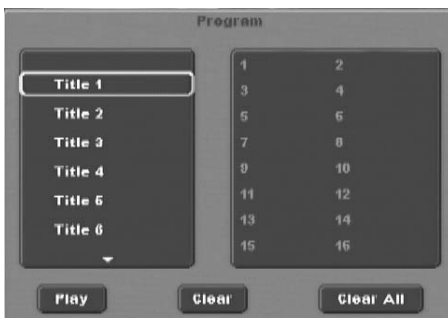
This function may not be available on all DVDs/VCDs/S-VCDs! If you attempt to carry out a function that is not available the symbol  will be displayed on the television screen.





With the "Program" function you can compile your own film program, by selecting only certain chapters of an inserted DVD/VCD/S-VCD for playing. In this way you can determine yourself the sequence, in which the chapters are played back. You can compile a maximum of 16 chapters of a film for programmed play.

To use programmed playback...
















- Press the **PRG** button on the remote control during playback or when playback is cancelled.

The Programme menu will be displayed on the television screen.









- Use the control buttons     on the remote control to select the desired title.
- Confirm your selection by pressing the **OK** button. The chapter pertaining to the title appears.





- Use the control buttons     on the remote control to select the desired chapter.
- Confirm your selection by pressing the **OK** button. The chapter will be filed on the first memory cell.
- Select with the control buttons   further chapters and confirm your selection by pressing the **OK** button. The chapters will, in turn, be filed in the memory cells 2-16.
- To programme chapters of other titles select the entry with the control buttons   and confirm your selection by pressing the **OK** button.
- To delete the last corresponding entry select with the control buttons    the entry field **Clear** or press the **CLR** button once. By pressing the **CLR** button repeatedly always the last corresponding chapter input is deleted.
- To delete all inputs select, with the control buttons    , the entry field **Clear All** and confirm your selection by pressing the **OK** button. All chapter entries will be deleted.

Note: What are Title and Chapter? On this topic, please refer to Section 17. "Glossary / KeyWord Index".

- When you have programmed the desired chapter select, with the control buttons    , the option **Play** underneath the entry fields. Press the **OK** button. The programmed playback now starts with the chapter entered in programme memory cell 1.
- Within the programmed chapter you can skip to the start of the next and/or previous chapter by pressing the button  **SKIP+** and/or  **SKIP-** on the front panel of the DVD player or on the remote control.
- To cancel the programmed playback press the **STOP** button on the front panel of the DVD player or on the remote control twice during playback.













Note:

If you are not sure what the title and/or chapter number is that you want to programme, during playback select the corresponding chapter of the film with the button  **SKIP+**/ **SKIP-** and then press the **DISPLAY** button on the remote control to superimpose all the information from the inserted DVD/VCD/S-VCD onto the television screen. Here you will find, amongst others, the current title and chapter numbers.

Note: On this topic see also the section "Superimpose disc information".


Programme example

You want to enter the chapters with the numbers 03 and 10 of a film on a DVD/VCD/S-VCD for programmed playback; in this example the main film has the title number 01:

- The first title is automatically marked in the programme menu. Confirm your selection by pressing the "OK" button.
- The chapter of the first title now appears. With the control buttons     select the third chapter and confirm the selection by pressing the **OK** button. The chapter will be filed on the first programme position.
- With the control buttons     select the tenth chapter and confirm the selection by pressing the **OK** button. The chapter will be filed on the second programme position.
- Select, with the control buttons    , the option **Play** underneath the entry fields. Press the **OK** button. The programmed playback now starts with chapter 3.

Superimpose disc information

Note:

This function may not be available on all DVDs/VCDs/S-VCDs! If you attempt to carry out a function that is not available the symbol  will be displayed on the television screen.

With this function you can superimpose all the available information from a DVD/VCD/S-VCD inserted into the DVD player onto the television screen during playback.

To do this ...

- During playback press the **DISPLAY** button on the remote control. On the television screen will be superimposed:

In the case of DVDs:


- the already played back time of the currently playing DVD in hours, minutes and seconds
- the time to the end of the film in hours, seconds and minutes
- the type of inserted disc (DVD)
- the current title number/the total number of titles
- the current chapter number/the total number of chapters
- the current playback language setting
- the current selected subtitle setting
- the current selected camera aspect/the number of currently available camera aspects (Angle)

In the case of VCDs/S-VCDs:

- the already played back time of the currently playing VCD/SVCD in hours, minutes and seconds
- the time to the end of the currently playing film in hours, seconds and minutes
- the type of inserted disc (VCD/S-VCD)
- the current playback language setting
- To fade out the disc information press the **DISPLAY** button again.

To switch on miscellaneous playback modes

i Note:

This function may not be available on all DVDs/VCDs/S-VCDs! If you attempt to carry out a function that is not available the symbol  will be displayed on the television screen.

During playback of a DVD/VCD/S-VCD you can switch on the following playback modes:

Random playback

When you switch on the random playback the chapters on the inserted DVD/VCD/S-VCD will be played back in random order.

To switch on the random playback ...

- During playback press the **MODE** button on the remote control. The **Play Mode** menu will be superimposed on the television screen:



- The "Mode" menu item is automatically selected first.
- By pressing the **OK** button on the remote control you can select between the options **Normal** and **Shuffle** (on VCDs/S-VCDs the option **PBC** is added). Set to **Shuffle** and press the **MODE** button again. The **Play Mode** menu fades out and the random function is now switched on.
- To switch off the random function press the **MODE** button during playback and select from the **Play Mode** menu under the menu item **MODE**, by pressing the **OK** button, the option **Normal**.

When you press the **MODE** button again the random function is switched off.

Repeat playback

With the "Repeat playback" function you can...

... in respect to DVDs, optionally repeat the title or chapter of the inserted DVD.

... in respect to VCDs/S-VCDs individual titles and/or the entire VCD/S-VCD repeatedly playback.

To switch on repeat playback...

- During playback press the **MODE** button on the remote control. The **Play Mode** menu will be superimposed on the television screen:
- Press the control button **▼** to select the menu item **Repeat**.



In the case of DVDs:

By pressing the **OK** button you select between the options **Single**, **All** and **Off**.

- Select **Single** to continuously repeat the currently playing back chapter until repeat playback is switched off or playback is cancelled by pressing the **STOP** button twice.
- Select **All** to continuously repeat all the chapters one after the other, thus the entire film, until repeat playback is switched off or playback is cancelled by pressing the **STOP** button twice.

Or

- Continuously press the button "Repeat" during playback until the desired option is selected: **Repeat Off**, **Repeat Chapter** and **Repeat Title** appear on the screen one after the other.

In the case of VCDs/S-VCDs: By pressing the **OK** button you select between the options **Off**, **Single** and **All**.

- Select **Single** to continuously repeat the currently playing back title of the VCD/S-VCD until repeat playback is switched off or playback is cancelled by pressing the **STOP** button twice.
- Select **All** to continuously repeat the entire VCD/S-VCD until repeat playback is switched off or playback is cancelled by pressing **STOP** button twice.
- To switch off repeat playback press the "MODE" button during playback. Select from the **Play Mode** menu under the menu item **Repeat**, the option **Off**. When you press the **MODE** button again, repeat playback is switched off.

Repeat sequence (A - B)

With this function you can repeatedly playback a favourite sequence from within a chapter of the currently playing DVD/VCD/S-VCD.

To do this ...

- During playback press the **A - B** button on the remote control as soon as the desired sequence starts to playback. **Rep A -** will be displayed on the television screen.
- Press the "A - B" button again as soon as the end of the desired sequence is played back. With this, bear in mind that the beginning and end of the sequence must fall within the same chapter.

Repeat playback of the selected sequence starts immediately, you do not need to press the **▶ PLAY** button. The sequence will continuously repeat until you press the **A - B** button again in order to switch off the function.

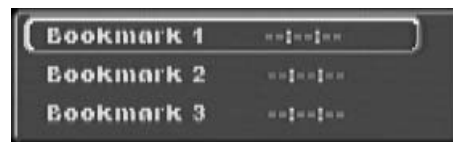
Rep AB Off will be displayed briefly on the television screen.

Bookmark function

During playback of a DVD/VCD/S-VCD you can place so called "Bookmarks" in order to view again later selected passages from a film. You can place up to three bookmarks.

To do this ...

- During playback of a film press the **MARK** button on the remote control. On the television screen will be superimposed:



- As soon as the passage is reached, on which you want to place a bookmark, press the **OK** button on the remote control. The exact time position of this passage within the film is now displayed in hours, minutes and seconds under **Bookmark 1**.

- If you want to place another bookmark then press the control button ▼ to select **Bookmark 2** in the superimposed field on the television screen. Press the **OK** button again as soon as the passage is reached, on which you want to place the second bookmark.
- Proceed in the same manner to place a third bookmark. Once you have placed all the desired bookmarks press the **MARK** button to fade out the bookmark menu from the screen.
- Later if you want to skip to the passages, on which you have placed bookmarks press the **MARK** button again.
- Select the desired bookmark with the control buttons ▲▼.
- Confirm the selection by pressing the **OK** button on the remote control. Playback of the selected chapter will now start automatically from the location, on which you placed the selected bookmark.
- To delete placed bookmarks press the **MARK** button on the remote control to access the bookmark menu. Select a bookmark and press the **CLR** button on the remote control.

Setting playback volume

Press the **VOL +** button on the remote control during playback to increase playback volume or the **VOL -** button to reduce playback volume.

The changing of the volume between the values "0" (Sound off) and "16" (Maximum volume) will be superimposed on the television screen.

i Note:

The volume can not be changed in HDMI mode.

Dimmer

Press the **DIMMER** button on the remote control to reduce or increase the display brightness of the DVD player. On the display appears **HI** (bright), **NO** (normal), **Lo** (dark) or the display switches itself off.

To switch playback sound to mute (MUTE)

To switch the playback sound to mute press the **MUTE** button on the remote control during playback of DVDs, VCDs/S-VCDs, Audio CDs and CD-Rs/CD-RWs with MP3 or WMA data. The symbol **M** will be displayed on the television screen. When you want to switch the playback sound back on press the **MUTE** button again or the **VOL +** and **VOL -** buttons.

Switching off the DVD player

To switch off the DVD player...

- In the event that a disc inserted into the DVD player is playing back first cancel playback by pressing twice the **STOP** button on the front panel of the DVD player or on the remote control.
- Open the disc tray to remove a currently inserted disc from the DVD player by pressing the **OPEN/CLOSE** button on the front panel of the DVD player or on the remote control. Subsequently close the disc tray by pressing the **OPEN/CLOSE** button again.
- Press the **STANDBY** button on the remote control. The DVD player now switches to the **STANDBY** mode. To switch the DVD player back on press the **STANDBY** button again.
- To completely switch off the DVD player press the **POWER** button on the front panel of the DVD player.

13. Playback of JPEG-Photo CD/WMA/MP3/MPEG4

Place a memory media in the DVD player. If you are using a memory card or USB memory stick press the **DVD/CARD/USB** button. With the control buttons ▲▼ select the desired medium and confirm your selection by pressing the **OK** button.

The contents of the data carrier (CD, DVD, USB memory stick or memory card) will be displayed on the television:



- The data will be listed on the left (Data window).
- On the upper right several settings can be implemented: **Filter**, **Repeat**, **Mode**, **Edit Mode**, **Program View** and **Add to program**.
- In the lower right is the preview window, in which the JPEG image as well as its size is displayed.
- Select a data with the help of the control buttons ▲▼. Confirm your selection by pressing the **OK** button. The data is implemented, i.e. the JPEG-Photo is displayed.

Filters

You can filter out specific data types in the display.

- Switch to the settings window with the help of the control buttons ◀▶.
- Select "Filter" and confirm your selection with the "OK" button. By pressing the "OK" button you can now select which data type you want to filter out: Audio, Photo or Video.
- Press the control button ◀ to exit the "Filter" settings window.

Repeat

- Select from the settings window the setting **Repeat**. By pressing the **OK** button you can select between **Single**, **All** and **Off**:

- with the **Single** setting the current data is repeated until another setting is implemented.
- with the **All** setting, all data in the current folder is played back.
- the **Off** setting ends the repeat function.

MODE

- Select from the settings window the setting **Mode**. By pressing the **OK** button you can select between **Normal**, **Shuffle** and **Music Intro**:
- with the **Shuffle** setting the data will playback in random order.
- with the **Music Intro** setting 10 seconds of the MP3 data will be played back at a time.

If you want to deactivate the change mode select the setting **Normal**.

Edit Mode

In the change mode you can put together your own programme.

- Mark the setting **Edit Mode** by pressing the **OK** button.



- You shift in the data window by pressing the control button ◀. Select the data that you want to include in your programme by pressing the OK button. A check mark appears in front of the selected data.
- When you have marked all the desired data select **Add to program** from the settings window. The selected data will be listed separately.
- Select **Program View** in the settings window to allow display of the selected data only.
- To delete individual data from the programme list, tag the data with the OK button. The file will be marked with a tick.
- Then select **Clear Program**. The tagged files will be deleted from the programme list.
- Select the settings window **Browser view** to display the complete data list again.



Rotation (JPEG images only)

By pressing the control buttons ◀▶ ▲▼ you can rotate JPEG images.

Enlargement (Zoom) (JPEG images only)

Press the ZOOM button on the remote control ...

- once for the first enlargement level; 1 is displayed on the television screen
- twice for the second enlargement level; 2 is displayed on the television screen
- three times for the third enlargement level; 3 is displayed on the television screen

With the control buttons ◀▶ ▲▼ sections of the enlargement can be suspended.

To switch off the zoom function and return to the normal image size press the ZOOM button once more; Off is displayed on the television screen.

View (JPEG images only)

- During the JPEG playback press the TITLE button. Up to 9 images in small format will be displayed on the television screen.
- With the help of the control buttons ◀▶ ▲▼ you can select an image. By pressing the OK button the selected image will be displayed in large format.
- To turn to the next page press the button ▶▶SKIP + and/or ◀◀SKIP -.

Effects (JPEG images only)

With the Effect function you can cross fade JPEG images with various effects.

- Press the ⚙️ Angle button during playback. The type of cross fading will be displayed on the television screen:
 - Wipe down transition** (Fade out image downwards),
 - Wipe up transition** (Fade out image upwards),
 - Center in transition** (Superimpose centre),
 - Center out transition** (Fade out centre),
 - Blind down transition** (Drape downwards),
 - Blind up transition** (Drape upwards),
 - Random transition** (Random transition effect),
 - No transition** (No transition effect)

14. Cleaning of the DVD player

Clean the casing of the DVD player with a soft damp cloth and a mild detergent only. When cleaning make sure that no moisture gets into the DVD player! Clean the inside of the disc tray, if necessary, with a clean dry brush only (i.e. a lens brush available from a photo dealer). Never use moisture to clean the inside of the disc tray!

Warning!

Moisture penetrating into the DVD player creates the risk of an electric shock! Besides which, moisture can cause irreparable damage to the DVD player!

15. Disposal

Disposing of the appliance



Do not dispose of the appliance in your normal domestic waste. This product is subject to the European directive 2002/96/EC.

Dispose of the appliance through an approved disposal centre or at your community waste facility.

Observe the currently applicable regulations. In case of doubt, please contact your waste disposal centre.

Disposing of batteries!

Do not dispose of the batteries with household waste. Every consumer is legally obliged to dispose of batteries at a collection site of his community/city district or at a retail store.

This obligation is intended to ensure that batteries are disposed of in an environmentally safe fashion.

Only dispose of batteries when they are fully discharged.


Disposal of packaging



Dispose of the packaging materials in an environmentally responsible manner.

16. Troubleshooting

Display is blank/DVD player shows no functions even though it is switched on

- A** Check to see that the power cord is properly plugged into the power socket.
- B** Check to make sure that there is power at the power socket, in which you have plugged the DVD player's power cord, by connecting another appliance to the socket. If necessary plug the DVD player's power cord into another power socket.
- C** Check to make sure that the display is not switched off by the Dimmer function. To do this press the  DIMMER button on the remote control.
- D** Switch off the DVD player by pressing the POWER button and wait ten seconds. Then switch the DVD player back on by pressing the POWER button.

The display shows "No Disc" even though there is a disc inserted


- A** The disc is dirty, scratched or damaged. Clean the disc or insert another disc.
- B** The Country/Region code on the inserted DVD/VCD/S-VCD does not correspond to the Country/Region code of the DVD player. In this case the DVD/VCD/S-VCD cannot be played with the DVD player.

Inserted disc will not playback


It is possible that a layer of condensation has built up on the DVD player's laser scan lens. This can be the case especially if the DVD player has been subjected to strong temperature fluctuations.

If this is the case place the DVD player in a dry environment at normal room temperature. First remove the currently inserted disc from the disc tray. Then leave the DVD player switched off for at least one hour without using until the condensation film has evaporated.

No image or Black/White image only

- A** Check to make sure that all connection cables between the DVD player and the television (or Video projector) are firmly inserted into the corresponding sockets
- B** Check to make sure that the settings in the OSD menu match the connections variant, with which you have connected the DVD player to the television (or Video projector).
 -  For this see chapter 8. "Connecting the DVD player to a television".
- C** Check by means of the television's (or Video projector's) operating instructions to see if settings to the television (or Video projector) may be necessary in order to use the DVD player with the television.

No sound

- A** Check to see if the television and/or the DVD player has been switched to mute.
- B** Check to see that all connecting cables between the DVD player and potentially connected audio components are firmly plugged into the corresponding sockets
- C** Check to make sure that the settings in the OSD menu match the connections variant, with which you have connected the audio component to the DVD player.
 -  For this see chapter 9. "Connecting an audio component to the DVD player".

- D** Check by means of the televisions operating instructions to see if settings to the television may be necessary in order to use the DVD player with the television.
- E** Check by means of the operating instructions for a potential connected audio component if settings to it are necessary in order to use it with the DVD player.
- F** If you ...
 - have connected the DVD player to a stereo television and have not connected an audio component to the DVD player or
 - have connected a Dolby Prologic compatible audio component via the analogue stereo outlet (via cinch cables to the cinch sockets L and R) of the DVD player:
Check to see if you have selected the option "Big" in the OSD menu under sub menu item Front LS.

No 4:3 or 16:9 image

- A** Check by means of the televisions operating instructions, which image formats the television has at its disposal.
- B** Check to see if the settings in the OSD menu match the available image format of the television.


Remote control not functioning

- A** Check to make sure that the remote control batteries have been inserted into the battery compartment with the correct polarity.
- B** Check to see if the remote control batteries are exhausted and, if necessary, change both batteries.
- C** Make sure that there are no obstacles located between the remote control and the DVD player.
- D** Be situated no more than five meters from the DVD player when using the remote control.

Playback language/ Subtitle language do not correspond to the settings in the OSD menu

The playback language/Subtitle language setting in the OSD menu is not available on the inserted disc.

One or several functions can not be switched on

The selected function may not be available on all DVDs/VCDs/S-VCDs!
If you attempt to execute a function that is not available, the symbol  is displayed on the television screen.


None of the buttons on the appliance or on the remote control are functioning/other malfunctions

- A** Switch off the DVD player by pressing the POWER button. Wait ten seconds, then press the "Power" button again once to switch the DVD player back on.
- B** If the malfunction is still present: Reset the DVD player to its default settings.

 For this see chapter 10.6. "Diverse settings".

Contact one of our service partners in your area if ...

- the stated function defect can not be resolved as described or
- other functional defects arise.

 For this see chapter 18. "Warranty and service".

17. Glossary / Key Word Index

What are DVDs, VCDs and S-VCDs?

DVDs

DVD is the short form for "Digital Versatile Disc". DVDs are a storage medium for audio and video data; they are available in 8 cm and 12 cm (Diameter) formats. Because of the much higher storage capacity as compared to CD-Rs/CD-RWs DVDs can provide a playback duration of up to eight hours for the audio and video data stored on them.

VCDs/S-VCDs

"Video CD" (VCD) and "Super Video CD" (S-VCD) are designations for two processes of compressed storage, thus space saving, of films on CDs. VCDs and S-VCDs are available in 8 cm and 12 cm (Diameter) formats. Their storage capacity is a great deal lower than that of DVDs. For this reason they only offer a playback duration, for the saved audio and video data on them, of 20 minutes (8 cm format) and/or 74 minutes (12 cm format).

VCDs are available in two versions:

- Only audio and video data can be played back on version 1.1 VCDs/S-VCDs.
- PBC (Playback control) functions are available on version 2.0 VCDs/S-VCDs. In addition still images can be played back in a higher resolution.

Playback Control (PBC)

Version 2.0 VCDs/S-VCDs have Playback Control (in short "PBC") at their disposal. Then on the VCD/S-VCD a main menu is available, by which various functions of the VCD/S-VCD are allowed to be operated.

What are Title and Chapter?

Title is the name given to the largest units of image and sound units on DVDs; on many DVDs the (Main) film has the title number 01. For bonus material (i.e. Film trailer, background information etc.), that is available on many DVDs, other possible title numbers can be used.

Chapter is the name given to the next smaller image and sound units beneath title. If the DVD/VCD/S-VCD or its title is divided into chapters, numbers are assigned to you, through the input of which the chapter can be selected direct.

Bear in mind that not on all DVDs ...

- are the DVD or the title divided into (numbered) chapters
- Chapters are also designated as "Scenes" (i.e. in the main menu of DVDs)

What are Scart, S-Video, Composite-Video Progressive Scan, YUV and HDMI?

Scart

Scart denotes a 21 pole standardized plug connection, via which the RGB signal, video signal and S-Video signal as well as a number of control and auxiliary signals are transmitted.

S-video

When the DVD player is connected to a television via S-Video the brightness and colour signals are transmitted separately; in this way a greater image sharpness and a reduced so called "Colour noise" is achieved. Colour noise refers to the overlaying of the colours, mostly heavily saturated parts of a video image, through an irregular, restive breakdown structure.

Composite video

Video signal or FBAS signal; thereby it involves an image signal, in which colour and brightness information are included at the same time.

Progressive scan

In the normal way TV appliances and Video projectors are controlled with so called "Half images". Thereby clearly visible line structures develop. Contrary to this, Progressive Scan denotes the output of full images (with this DVD player, at the output YPbPr) Progressive Scan signals can only be processed by playback appliances equipped for this purpose (in particular large screen televisions and projectors). The image quality as opposed to traditional image signals is considerably higher.

YUV (component video out)

YUV indicates the component signal, which with this appliance is available at the output YPbPr in the form of so called "Half images"; as a rule this is the best signal for the control of large screen televisions and projectors, which can not process Progressive Scan signals. As with the RGB image transmission, YUV is comprised of three separated image signals:

- the brightness signal "Y" and
- the two colour difference signals "Pb/Cb" and "Pr/Cr"

Half images (Interlace)/Full images (Progressive Scan)

A standard television image is comprised of 576 visible lines; at first all odd and then all even image lines are displayed alternatively, thus each displays a half image. Thereby only 25 full images (50 Half images) can be displayed per second. This technique is designated as "Interlace" format.

Contrary to this with the so called progressive or "Progressive Scan" format all image lines are displayed every time, that is to say 60 full images per second are displayed. Thereby increasing the total quality of the images, still images and text for example appear sharper.

HDMI

HDMI is short for "High Definition Multimedia Interface" and refers to a 19 contact interface for complete digital transmission of audio and video data. With its high bandwidth HDMI handles all known today home electronics digital video and audio formats. HDMI transmits audio data up to frequencies of 192 kHz with text widths of up to 24 Bit on up to 8 channels. Thus not only all of today's image and sound formats introduced into home electronics including HDTV (up to the highest present resolution of 1080i) are transmitted without loss of quality but also future formats with yet higher resolutions.

Decoder

The sound on DVDs with home theater surround sound is stored on the DVD in encrypted (coded) form. There are different encryption formats for various purposes, i.e. AC-3 for playback of Dolby Digital Surround sound.

In order to playback encrypted sound, the playback appliance (i.e. the DVD player) and/or the audio component connected to it (for example Surround system) must be equipped with a so called decoder, which converts the encrypted signal back into music and/or sound.

The Silvercrest KH 6515/KH 6516 DVD player is equipped with an AC-3 Decoder (for Dolby Digital 5.1 Surround Sound signals).

Dolby Surround

Dolby Surround is an analogue sound format, by which the two channels of a stereo sound signal are used in order to accommodate room sound information for further channels. With a Dolby Surround decoder the signals are again converted into sound and/or music and are fed to two additional loudspeakers, which are to be situated behind the listening area.

Dolby Prologic

In comparison to Dolby Surround sound format, with Dolby Prologic an additional channel in the stereo signal is used; this is the so called "Centre" channel. The corresponding centre loudspeaker is to be situated in the middle between the stereo loudspeakers. The deepest sounds are fed to a bass loudspeaker, the so called "Subwoofer". The subwoofer can be placed in any desired location in the room; the logic for this is that the bass sounds that the subwoofer puts out can scarcely be localized exactly by the human ear

Dolby Digital (5.1)

Dolby Digital, also designated as AC3, is a digital sound format, by which up to six separate audio channels can be transported. With most of the current DVDs, the sound is stored in the so called "Dolby Digital 5.1" format; the "5" in the title "5.1" stands for three front and two rear surround sound channels, the "1" for the bass sound channel.

DTS

DTS is the abbreviation for "Digital Theatre System" and denotes one of the most common surround sound formats for DVDs. As with Dolby Digital 5.1, DTS uses three front and two rear surround sound channels as well as a bass sound channel.

What are PAL, NTSC and SECAM?

PAL

PAL is the abbreviation for "Phase Alternation Line". PAL is the mid and west Europe (Exception: France, see the heading "SECAM") customary and most wide spread colour television standard.

NTSC

NTSC is the abbreviation for "National Television System Committee". NTSC is a colour television standard that is primarily used in the USA and Japan.

SECAM

SECAM is the abbreviation for the french "système en couleur avec mémoire". SECAM is the customary colour television norm in France and many east European countries and at present still the most widely spread system in those countries.

Audio CDs

Audio CDs contain exclusively audio data; they are also available in 8 cm and 12 cm (Diameter) formats. The playback duration for the audio data stored on them amounts to 20 minutes (8 cm format) and/or 74 minutes (12 cm format). Audio data is stored on audio CDs in CDA format.

MP3

MP3 denotes a process and/or format developed by the Fraunhofer Institute for the compression of audio data. In the MP3 format compressed music pieces are only a fraction of their original size, which, for example, on CD-Rs/CD-RWs allows for storage of a considerably greater volume of music than on commercially available audio CDs, on which audio data is stored in the CDA format.

WMA

WMA ("Windows® Media Audio") is a data format developed by Microsoft® for audio data.

JPEG

JPEG ("Joint Photographics Expert Group") denotes a wide spread graphic format, developed by the organization with the same name, with which image data of the colour and grey scales are compressed.

Nero Digital

NERO is a data compression program, which can compress all video formats to less than 20% of their original size, while still maintaining a high quality. CDs, which have been recorded with NERO, can contain chapters and subtitles in two languages. The CDs are operated via the normal buttons that are used for DVDs. Data, which are not created with the NERO Digital "Standard Profile", may not play immediately or only with restrictions.

DivX

DivX is a coding format for videos and multimedia data, invented by the DivX Networks, Inc company.

MPEG

MPEG ("Moving Picture Experts Group") refers to a video compression format.

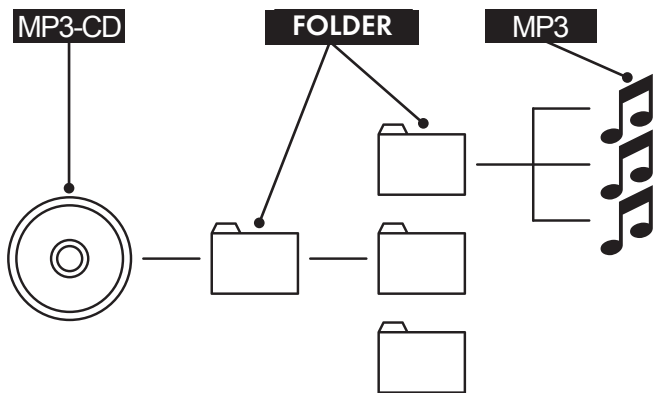
USB memory sticks

The term USB memory stick refers to a pluggable USB device, which is approximately the size of a cigarette lighter. The expression is only colloquial and not a designation for a type of product. For the most part with this expression is meant a USB device that serves as an interchangeable storage media.

What are files?

As opposed to audio CDs the title on a CD-R/CD-RW with MP3-, WMA- or JPEG data can be stored in files, for example, in order to file titles from different genres.

The structure of an MP3-CD can, for example, appear as follows, if the MP3 data is stored in files:



18. Warranty & Service

The warranty for this appliance is for 3 years from the date of purchase. The appliance has been manufactured with care and meticulously examined before delivery. Please retain your receipt as proof of purchase. In the case of a warranty claim, please make contact by telephone with our service department. Only in this way can a post-free despatch for your goods be assured. The warranty covers only claims for material and manufacturing defects, not for wearing parts or for damage to fragile components, e.g. buttons or batteries. This product is for private use only and is not intended for commercial use. The warranty is void in the case of abusive and improper handling, use of force and internal tampering not carried out by our authorized service branch. Your statutory rights are not restricted in any way by this warranty.

GB DES Ltd

Units 14-15
Bilston Industrial Estate
Oxford Street
Bilston
WV14 7EG
Tel.: 0870 787 6177
Fax: 0870 787 6168
e-mail: support.uk@kompernass.com

IE Kompernass Service Ireland

c/o Irish Connection
41 Harbour view
Howth Co. Dublin
Tel: 087-99 62 077
Fax: 18398056
e-mail: support.ie@kompernass.com

19. Importer

KOMPERNASS GMBH
BURGSTRASSE 21
D-44867 BOCHUM

www.kompernass.com

