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English

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Français

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Español

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Deutsch

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Nederlands

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Italiano


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Português



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# Introduction

## Reality reproduced: Super Audio CD

The future in digital sound reproduction is no longer limited to a close approach of reality. The new audio standard is reality! The human ear is no longer capable of distinguishing audible reality from digital reproduction. At Philips the future starts today with the SACD 1000 Super Audio Compact Disc player. This Super Audio CD player combines superior sound quality with the possibility to play almost all existing audio and video formats with one player. Your precious CD collection will keep its value!

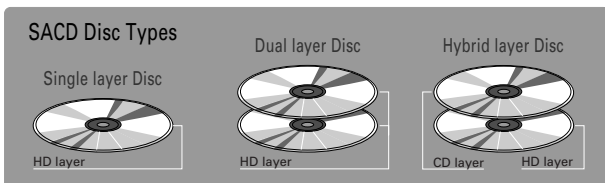
The Super Audio standard is based on Direct Stream Digital (DSD) technology. This new direct-stream digital format comprises a 1-bit system, that has a digital sampling frequency 64 times higher than that of conventional audio CD. The results are spectacular: a frequency response of over 50k Hz and a 120 dB dynamic range over the entire audible spectrum. Mixed with as many of the original frequencies as possible the audio information, audible for human ears, sounds much more natural.

All audible frequencies are after all embedded in the frequency range as emitted by the sound source. A better reproduction does not exist! For the first time your ears will relive reality.

## The next standard: hybrid disc

The Super Audio CD is the evolution of CD that provides ultra-high quality sound. Additional features like multi-channel can be offered. On the high density (HD) Super Audio CD you may have access to separate areas, containing two-channel stereo and multi-channel.

But that is not all! The hybrid version of the SACD disc guarantees backward compatibility with the installed base of CD and DVD players. The hybrid disc contains, besides the HD layer, a standard density CD layer with conventional two-channel stereo CD audio information. The two layers are read from the same side of the disc. The HD layer is read by a DVD laser. The bottom reflective layer with conventional CD sound, is read by the CD laser through the second, semi-transmissive HD layer.



## SACD 1000; reality in sound... and vision

The SACD 1000 will not only surprise you with its superior reproduction of almost all existing audio formats. Connected to your TV your SACD 1000 presents VCD and DVD video information as perfect digital studio-quality pictures with truly 3-dimensional digital multi-channel audio. Story sequences can be screened from your own choice of camera angle. You can break down language barriers with sound tracks in as many as eight languages, plus - if available on disc - as many as 16 subtitles. Video becomes a new experience. And that makes the SACD 1000 an essential component in a state of the art audio-video configuration.

## Super Audio CD



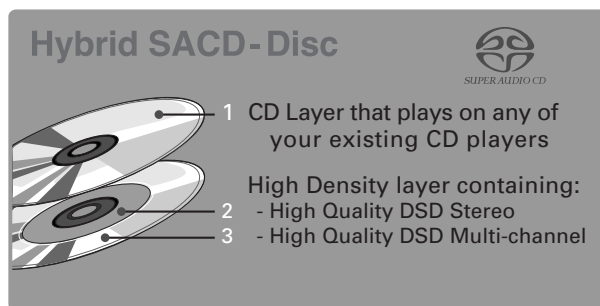
SUPER AUDIO CD

You will recognise Super Audio CDs by the logo. There are three types of Super Audio CDs: single layer, dual layer and hybrid discs. Each type may

contain two areas of recorded information. A High Quality Stereo area and a High Quality Multi-channel area.

- The single layer disc may contain both information areas.
- The dual layer disc may contain both information areas but a double amount of information can be stored on the disc because of the second layer.
- The hybrid disc may not only contain both information areas but also a second, standard CD layer which makes it playable on standard CD players.

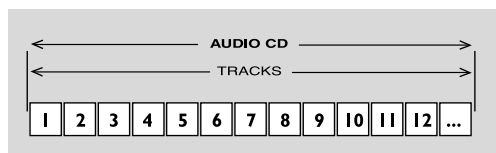
Recorded information may vary per area. This is indicated in the disc inlay. Areas can be selected separately before or during playback. When playing Super Audio CDs the player can be operated via the keys on the player front and the remote control or via the On Screen Display on your TV.



## Audio CD (CDDA)



Audio CDs contain music tracks only. You will recognise CDs by their logo. You can play them in conventional style through a stereo system, using the keys on the remote control and/or front panel, or via the TV using the On Screen Display (OSD).

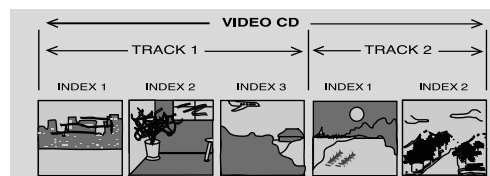


*Note: Please note that the DTS audio format on the SACD 1000 is only supported on DVD. This product does not support the playback of DTS encoded CDs.*

## Video CD



You will recognise Video CDs by the logo. Depending on the material on the disc (a movie, video clips, a drama series, etc.) these discs may have one or more tracks, and tracks may have one or more indexes, as indicated on the disc case. To make access easy and convenient, your player lets you move between tracks, and between indexes.



## Digital video

DVD-Video uses state-of-the-art MPEG 2 data compression technology to register an entire movie on a single 5-inch disc. DVD's variable bitrate compression, running at up to 9.8 Mbits/second, captures even the most complex pictures in their original quality.

The crystal-clear digital pictures have a horizontal resolution of over 500 lines, with 720 pixels (picture elements) to each line. This resolution is more than double that of VHS, superior to Laser Disc, and entirely comparable with digital masters made in recording studios.

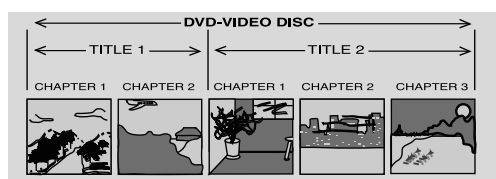
DVD-Video discs conform to either the PAL or NTSC video standard. This dual-standard player can play both types, and presents them in the best possible way on your multistandard TV screen.

As the universal video system of the future, DVD-Video offers optimal pictures on any TV screen.

## DVD-Video



You will recognise DVD-Video discs by the logo. Depending on the material on the disc (a movie, video clips, a drama series, etc.) these discs may have one or more Titles, and each Title may have one or more Chapters. To make access easy and convenient, your player lets you move between Titles, and also between Chapters.



## Unpacking

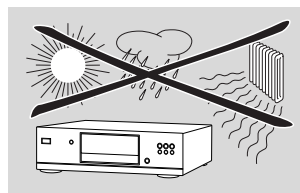
First check and identify the contents of your SACD-player package, as listed below:

- SACD-player
- Remote Control Handset with separately-packed batteries
- 2-core power cord
- Euroconnector cable (Europe only)
- Audio cable (4x)
- Digital coaxial cable
- Video cable
- User Manual.

If any item should be damaged or missing, please inform your supplier without delay.

Keep the packaging materials; you may need them to transport your player in the future.

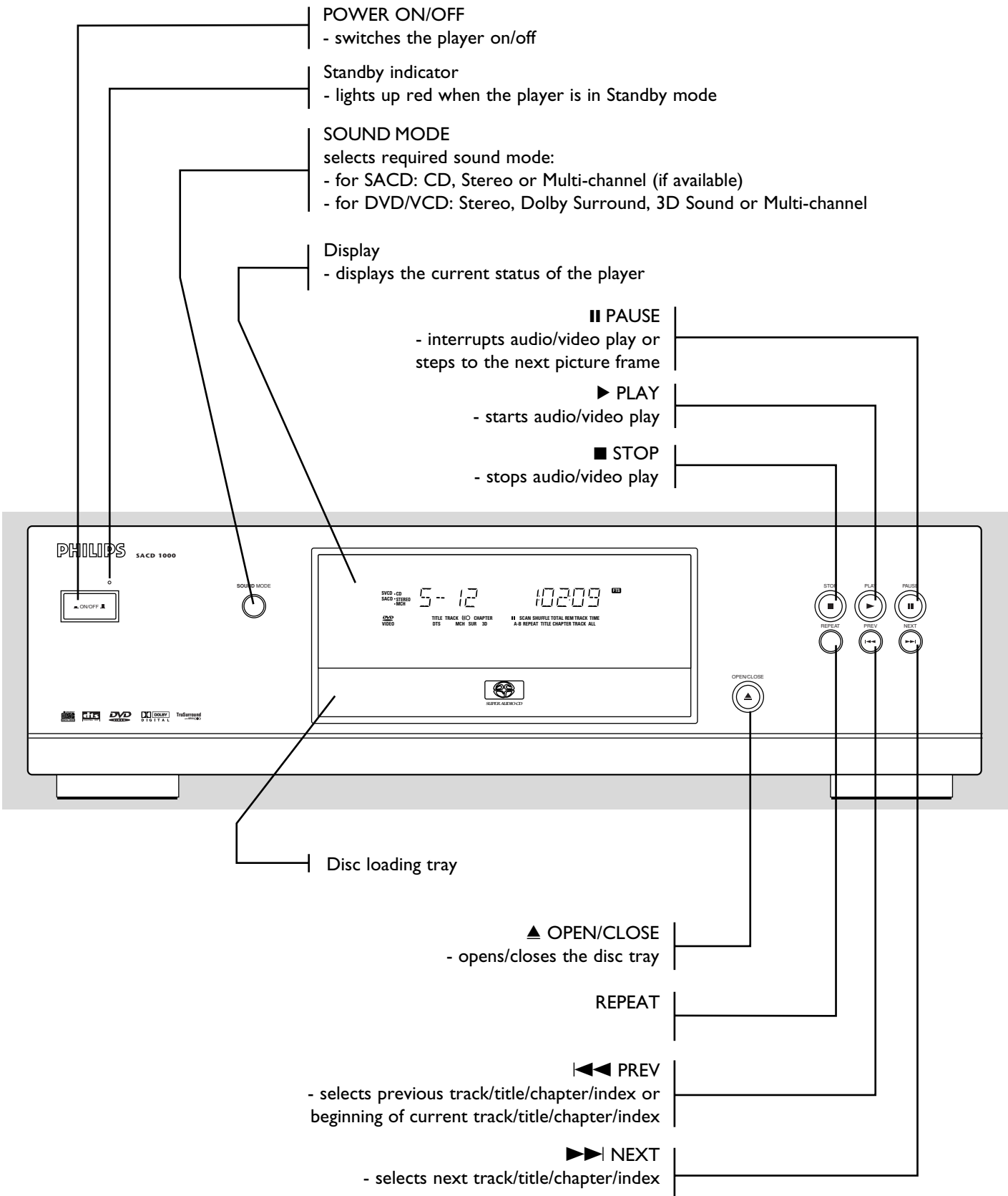
## Placement



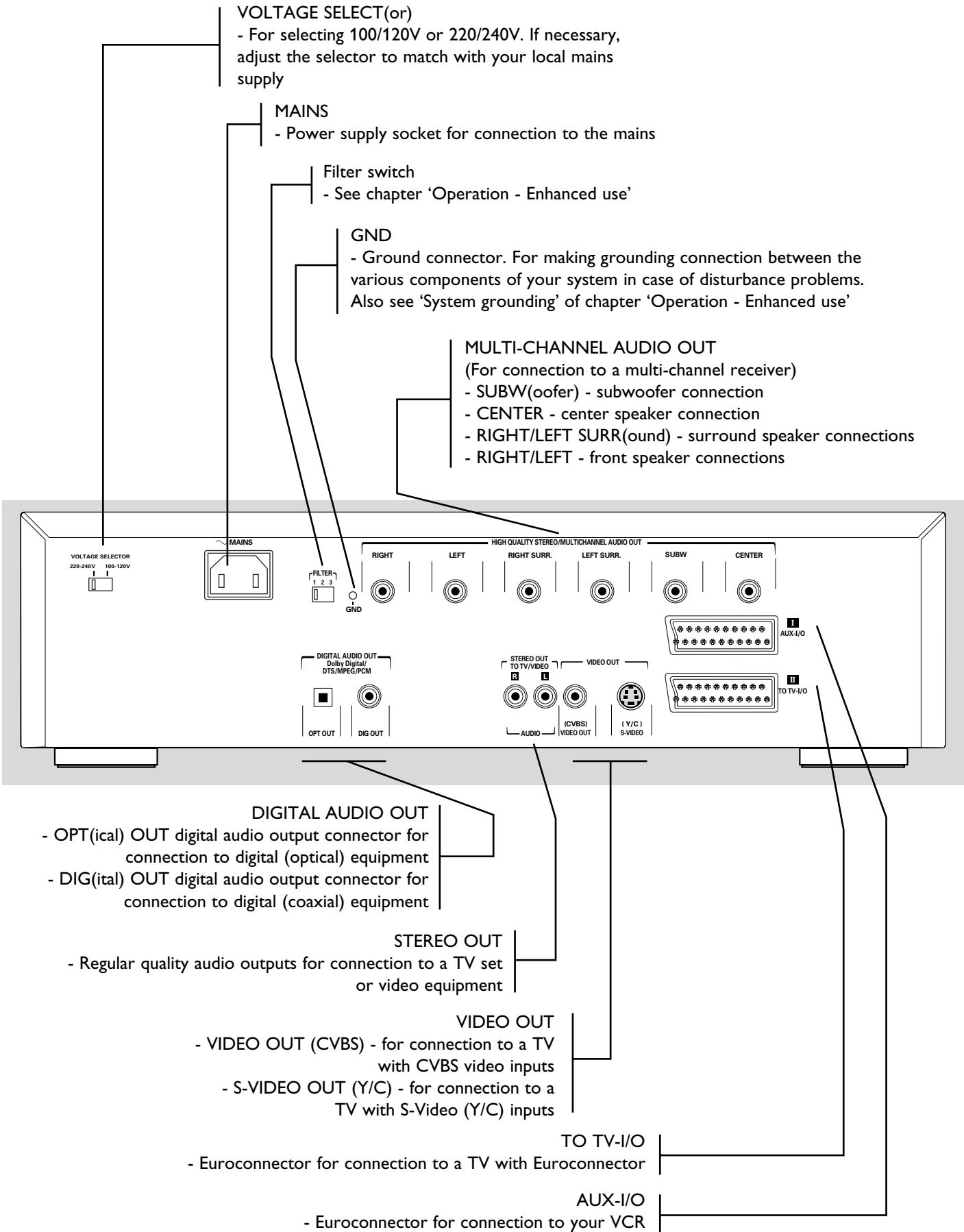
- Place the player on a firm, flat surface.
- Keep away from domestic heating equipment and direct sunlight.
- In a cabinet, allow about 2 inch (5 cm) of free space all around the player for adequate ventilation.
- If the SACD-player cannot read SACDs/CDs/DVDs correctly, use a commonly available cleaning CD/DVD to clean the lens before taking the SACD-player to be repaired. Other cleaning methods may destroy the lens. Always keep the tray closed to avoid dust on the lens.
- When replacing from a cold to a warm environment allow the SACD player to acclimatize for at least 2 hours in order to avoid damage. Suddenly placed in a warm environment the lens may cloud over. Playing a SACD/CD/DVD is not possible then. Wait until the moisture evaporates.
- The player should not be exposed to dripping or splashing, no objects filled with liquids such as vases, should be placed on the player.

# Functional overview

## Front of player



# Rear of player



**Caution: Do not touch the inner pins of rear panel connectors. Electrostatic discharge may cause permanent damage to the unit.**



# Display

**SACD** Super Audio CD inserted

**CD** Audio CD inserted

**VCD** Video CD inserted

**•CD**

**•STEREO** indicate the current active sound mode

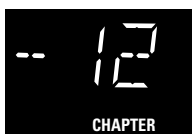
**•MCH**

**DVD VIDEO**

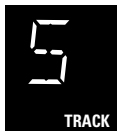
DVD video disc inserted



**TITLE** - number of titles on DVD in Stop mode  
- number of current title



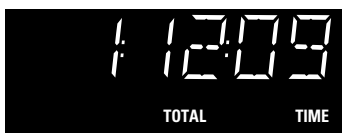
**CHAPTER** Number of current chapter



**TRACK** - number of tracks on SACD/CD/VCD in Stop mode  
- number of current track



track time in hours, minutes and seconds



disc/program time in hours, minutes and seconds

remaining track time in hours, minutes and seconds when Display mode is set to Remaining time

REM TIME



**||** playback temporarily interrupted (not active when setting Personal Preferences)

**SCAN** first 10 seconds of each track/chapter are played

**A-B REPEAT** A passage (A-B) is being repeated

**SHUFFLE** tracks/chapters are played in random order

**REPEAT TITLE CHAPTER TRACK ALL** repeat Title/Chapter/Track/All active

**FTS** FTS (Favourite track selection) program available for CD/DVD/VCD inserted

**(((O** remote control active (flashing)

**DTS** DTS (Digital Theatre Sound) audio on the digital output

**MCH** Sound mode button (for DVD) is set to Multi-channel

**SUR** Sound mode button (for DVD/VCD) is set to Dolby Surround

**3D** Sound mode button (for DVD/VCD) is set to 3D Sound

# Remote control

## TV POWER

- switches the TV to power/standby

## ■ STOP

- stops playback

## SOUND MODE

- selects required sound mode

- for SACD: CD, Stereo or Multi-channel (if available)
- for DVD/VCD: Stereo, Dolby Surround, 3D sound or Multi-channel

## ▶ PLAY

- starts audio/video play

## ◀ REVERSE

- search backward

## || PAUSE

- pause or still frame/step frame

## ▷ SLOW

- slow motion

## ▶▶ FORWARD

- search forward

## ◀ PREVIOUS

- previous track/title/chapter/index

## ▶ RESUME

- resumes playback

## ▶ NEXT

- next track/title/chapter/index

## VOL +/-

- volume up/down in TV mode

## 🔇 MUTE

- mutes the sound in TV mode

## CH +/-

- program up/down in TV mode

## FTS

- switches FTS function ON/OFF  
- displays FTS menu  
(FTS = Favourite Track Selection)

## SHUFFLE

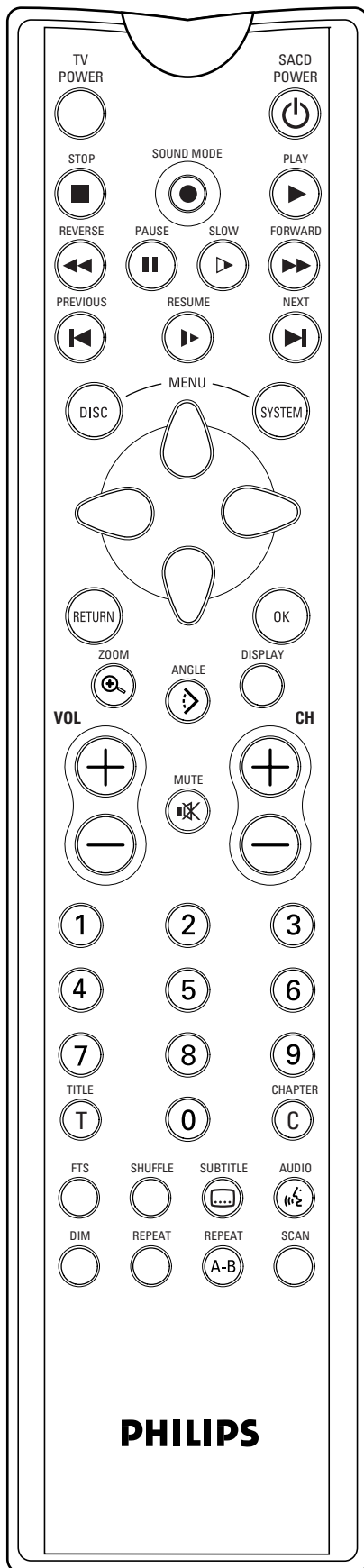
- playback in random order

## ☰ SUBTITLE

- subtitle ON/OFF/selects subtitles  
(DVD/VCD only)

## 🗣️ AUDIO

- language selection



## SACD POWER ⏻

- switches the player to power/standby

## MENU DISC

- selects DVD-defined menu

## MENU SYSTEM

- On-screen Display ON/OFF

## ▲ ▼ ◀ ▶

- up/down/left/right cursor movement in OSD mode

## RETURN

- return to previous menu step

## 🔍 ZOOM

- enlarges video image

## 📐 ANGLE

- selects DVD camera angle

## DISPLAY

- selects elapsed Time display or Remaining Time display

## OK

- acknowledge menu selection

## 0-9

- numerical key pad

## T

- selects titles

## C

- selects chapters

## PLAYER DISPLAY DIM

- adjusts display brightness

## REPEAT

- repeats a track or complete disc (CD, VCD, SACD)  
- repeats a chapter, title or complete disc (DVD)

## REPEAT A-B

- repeats a particular passage (A-B)

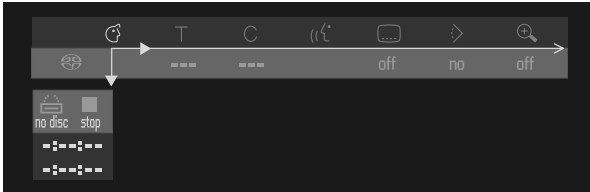
## SCAN

- playback of the first 10 seconds of each track, chapter, title

# On screen display information

## Menu bar/Status window

- |  |                   |  |                    |
|--|-------------------|--|--------------------|
|  | User preference   |  | Sound              |
|  | Track/Title       |  | Picture by Picture |
|  | Chapter           |  | Slow motion        |
|  | Subtitle language |  | Fast motion        |
|  | Angle             |  | Time search        |
|  | Zoom              |  | Audio language     |
|  | Colour            |  | Sound Mode         |
|  | Video FTS         |  |                    |



## Status window icons

The status window displays the current status of the player and is displayed together with the first part of the menu bar, if activated in the Features menu (see Personal Preferences).

### General



Disc type



Tray status

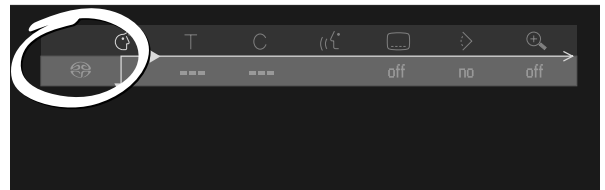
## Default screen

The default screen is displayed when the player is in STOP mode. It may contain a status window (see 'Status Window') and a 'Temporary Feedback Field'. Giving information concerning prohibited actions, playback modes, available angles, etc.



## Temporary Feedback Field icons

- |  |  |
|--|--|
|  | Scan   |
|  | Repeat All   |
|  | Repeat Title   |
|  | Repeat Track   |
|  | Repeat Chapter   |
|  | Shuffle  |
|  | Shuffle Repeat   |
|  | Repeat A to end  |
|  | Repeat A-B   |
|  | Current camera angle/number of available camera angles |
|  | Child Lock On  |
|  | Child Safe   |
|  | Resume   |
|  | Action prohibited                                      |



# Preparation

## General notes

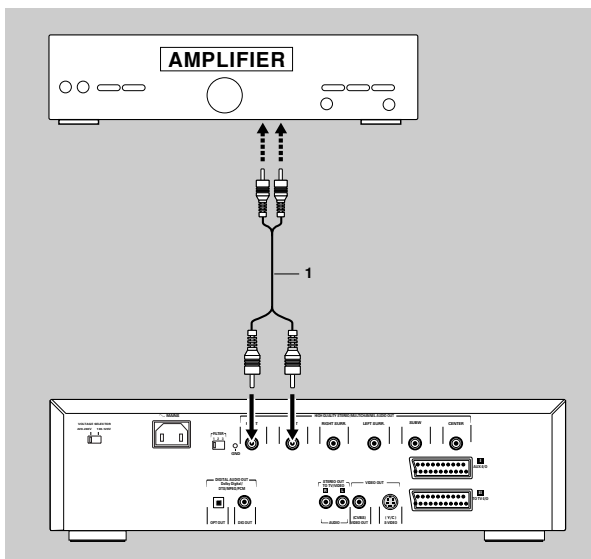
- Depending on your amplifier/receiver/Stereo System there are various ways you could connect the player. These are explained in the chapter below.
- For some connections settings for digital and/or analog output are required. These settings have to be made in the 'Personal Preferences' menu which is only accessible via your TV screen. In these cases you will need to connect the player to the TV as well.
- Please refer to your amplifier/receiver/Stereo System, TV and any other User Manual(s) as necessary to make the optimal connections.

**Caution: Do not connect the player's audio output to the phono input of your audio system.**

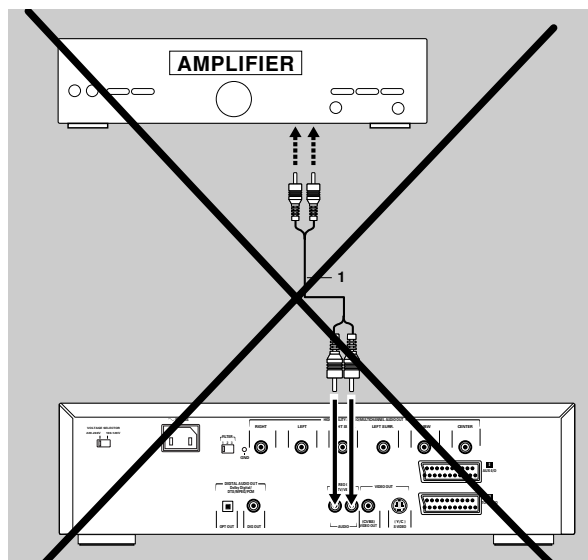
## Connecting to audio equipment - analog

### Connecting to an amplifier/receiver equipped with two channel analog stereo

- Connect the audio Left and Right outputs for Front speaker connection **(1)** to the corresponding sockets on your amplifier, receiver or stereo system. For this use the audio cable supplied.



**Important: For the best sound quality with playback of audio CDs and stereo SACDs, always use the left and right connector of the high-quality stereo/Multi-channel audio output. The separate stereo output is intended only for connection to video equipment such as a TV set.**

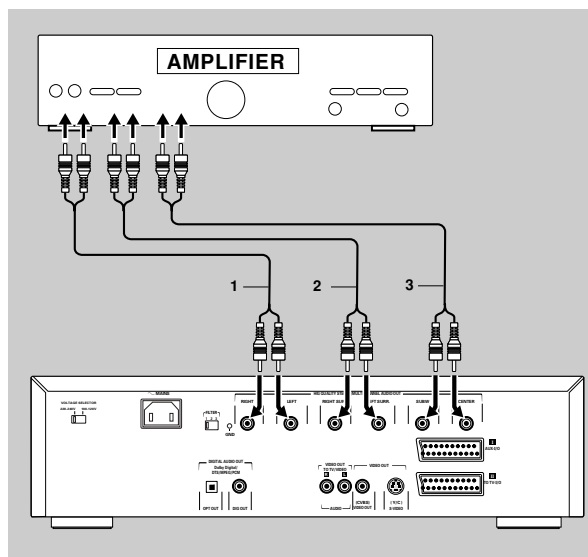


### Connecting to a Multi-channel Audio/(Video) receiver with 6 connectors

This SACD player contains a multi-channel decoder. This enables playback of SACDs recorded in Multi-channel. You only need to select Multi-channel using the Sound Mode key.

- 1 Connect the audio Left and Right outputs for Front speaker connection **(1)** to the corresponding input sockets on your receiver. For this use the audio cable supplied.
- 2 Connect the audio Left and Right outputs for Surround speaker connection **(2)** to the corresponding inputs on your receiver. For this use an optional audio cable.
- 3 Connect the audio outputs for Center speaker and Subwoofer connection **(3)** to the corresponding inputs on your receiver. For this use an optional audio cable.

*Note: If the subwoofer is equipped with its own amplifier, the Subwoofer connection should be connected to the subwoofer directly.*



## Connecting to an amplifier/receiver equipped with Dolby Pro Logic

For an amplifier/receiver with Dolby Surround, you may connect your SACD player in the same way as described for Dolby Pro Logic.

### Dolby Pro Logic sound

- 1 Connect the audio Left and Right outputs for Front speaker connection (1) to the corresponding inputs on the Dolby Pro Logic Audio/Video amplifier/receiver, using the audio cable supplied.
- 2 Set Analog Output to Dolby Surround in the 'Personal Preferences' menu.

### If your amplifier/receiver is equipped with a Dolby Digital decoder

- Connect the player as described in chapter 'Connecting to an Audio/(Video) receiver with multi channel decoder'.

### If you connect the player to a TV equipped with a Dolby Pro Logic decoder

- Connect the player to the TV as described in chapter 'Connecting to a TV'.

## Connecting to audio equipment - digital

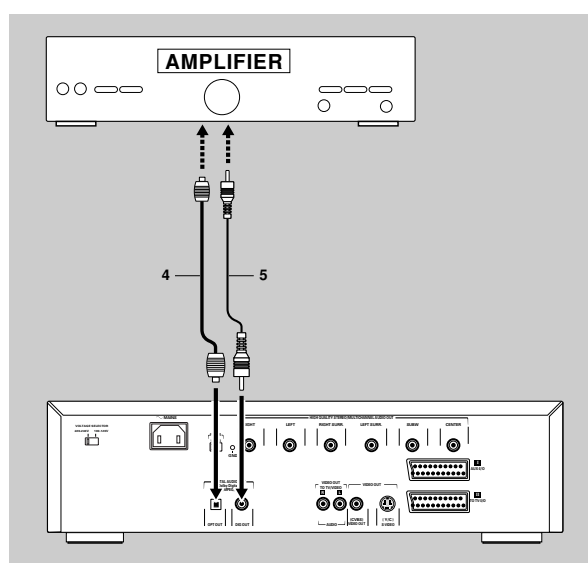
The digital output of the SACD1000 does not provide PCM (Pulse Code Modulation) signals. If your amplifier/receiver can decode only PCM and no multi-channel signals such as Dolby Digital, do not connect your SACD player via the digital input. This could damage your amplifier and/or speakers.

## Connecting to an Audio/(Video) receiver with multi-channel decoder (Dolby Digital, MPEG 2 and DTS)

### Digital Multi-channel sound (not for SACD)

For this you need a multi-channel A/V receiver that supports one or more of the DVD audio formats supported by your SACD player (MPEG 2, Dolby Digital and DTS). For this you can check the receiver manual and the logos on the front of the receiver.

- 1 Connect the player's digital audio output (optical 4 or coaxial 5) to the corresponding input on the receiver. For this use the digital audio cable (coaxial) is supplied. Optical is optional.



#### Notes:

- If the audio format of the digital output does not match the capabilities of your receiver, the receiver will produce a strong, distorted sound. The audio format of the DVD disc in play is displayed in the Status Window, when changing the audio format.
- 6 Channel Digital Surround Sound via digital connection can only be obtained if your receiver is equipped with a Digital Multi-channel decoder. If your receiver does not contain a decoder, you can make the analog connections as described in chapter 'Connecting to a Multi-channel Audio/(Video) receiver with 6 connectors' to obtain 6 Channel Digital Surround Sound.
- SACD Multi-channel sound cannot be obtained via digital connection.

## Connecting to a TV

### Notes

- Depending on your TV there are various ways you could connect the player. These are shown in the illustration below.
- Please refer to your TV, VCR, and any other User Manual(s) as necessary to make the optimal connections.
- Do not connect your SACD-player via your VCR, because the video quality could be distorted by the copy protection system.

- 1 Connect the Euroconnector (TO TV-I/O 6) to the corresponding connector on the TV using the Euroconnector cable supplied.

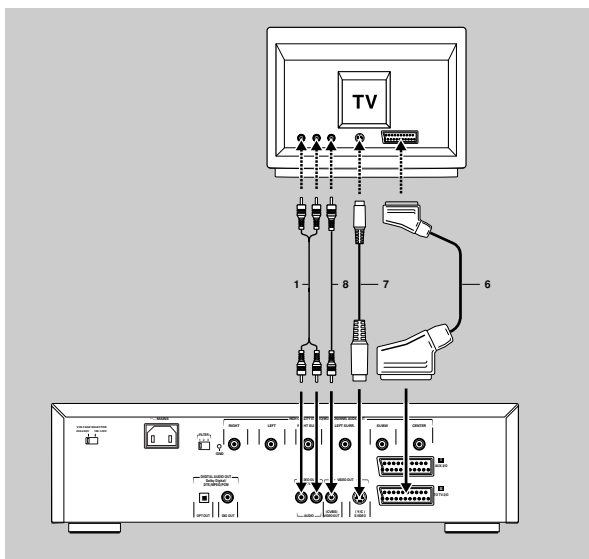
If your TV is not equipped with a Euroconnector you can select one of the following alternative connections:

### S-Video (Y/C) connection

- 1 Connect the S-VIDEO OUT (Y/C) socket (7) to the corresponding socket on the TV using an optional S-Video cable.
- If you wish to receive the sound via your TV connect the STEREO OUT Left and Right output sockets (1) to the corresponding sockets on the TV using the audio cable supplied.

### Video CVBS connection

- 1 Connect the VIDEO OUT (CVBS) socket (8) to the corresponding socket on the TV using the video cable supplied.
- 2 If you wish to receive the sound via your TV connect the STEREO OUT Left and Right output sockets (1) to the corresponding sockets on the TV using the audio cable supplied.



## 6 Channel settings - DVD only

### Front speaker

- L (Large) : When the front speakers can reproduce low frequency signals below 120Hz
- S (Small) : When the front speakers cannot produce low frequency signals below 120Hz

### Center Speaker\*

- L (Large) : When the center speaker can reproduce low frequency signals below 120Hz
- S (Small) : When the center speaker cannot produce low frequency signals below 120Hz
- Off : When the center speaker is not connected

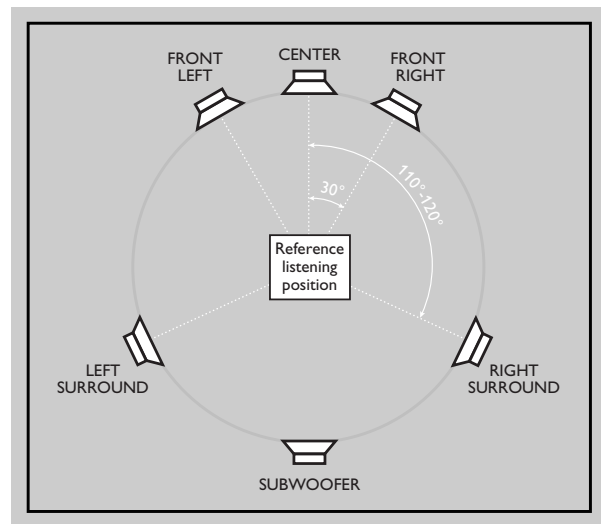
### Surround speakers

- L (Large) : When the surround speakers can reproduce low frequency signals below 120Hz
- S (Small) : When the surround speakers cannot produce low frequency signals below 120Hz
- Off : When the surround speakers are not connected

### Subwoofer

- On : When you connect a subwoofer
- Off : When a subwoofer is not connected

\* You can use your TV as center speaker. Please refer to your TV User Manual to check if your TV can reproduce low frequency signals below 120Hz. If not, set Center Speaker to S(small). When Center Speaker is selected in the 'Personal Preferences' menu, the sound from both center speaker and audio L/R as well as the audio from the Euroconnector will contain the center speaker audio.



## Delay times - DVD only

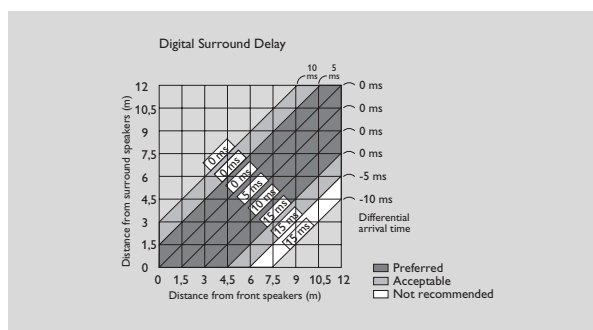
Your SACD player is set to reproduce correctly synchronized Digital Surround Sound in a listening area where the surround speakers are about 150cm nearer to the listening position than the front speakers, and the center speaker is in line with the front speakers. To adjust for other listening area arrangements, adapt delay times according to the following:

### Digital Surround

Measure the distances in centimeters from the front speaker plane and from the surround speaker plane to the listening positioning plane.

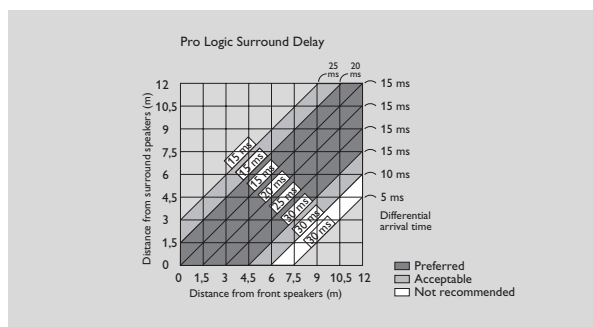
Subtract the surround distance from the front distance and divide by 30. The result is the required Surround Channel delay time in milliseconds.

If the center speaker is on the front speaker plane, no center speaker delay is needed. You can adjust the delay time in the "User Preference Settings". See Personal preference - Sound - Speaker Settings. If, however, it is nearer to the listening position, measure the distance in centimeters between the front and center speaker planes, and divide by 30. The result is the required Center Channel delay time in milliseconds.



### Dolby Pro Logic

If the delay times for Surround Channel and Center Channel are set for Digital Surround mode, the delay times for Dolby Pro Logic mode will automatically be calculated and set.

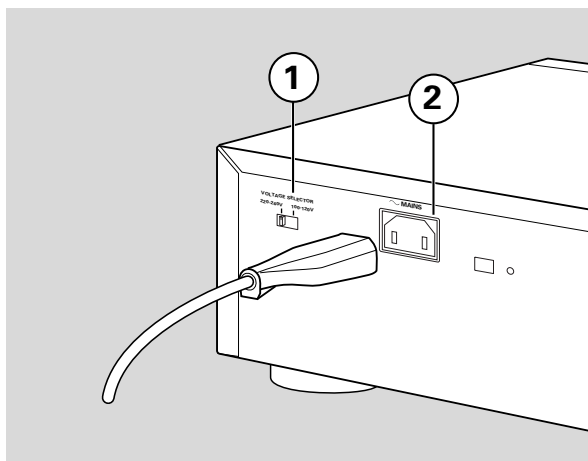


## Connecting the power supply

- 1 Check if the mains voltage as shown on the type plate (on the back of the player) corresponds to your local mains voltage. If not, adjust the voltage selector **(1)** to match with your local mains supply.
- 2 Plug the female end of the power cable supplied into the Power connector MAINS **(2)** on the rear of the player.
- 3 Plug the male end of the cord into an AC outlet.

*Note: When the player is in the STANDBY or OFF position, it is still consuming some power. If you wish to disconnect your player completely from the mains, withdraw the plug from the AC Outlet.*

**Caution: Only qualified service personnel should remove the cover or attempt to service this device.**

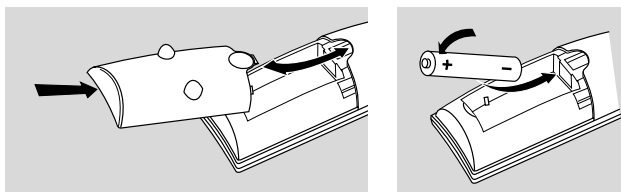


## Infra red remote control

### Loading the batteries

- 1 Open the battery compartment cover.
- 2 Insert two 'AA' (LR-6) batteries as indicated inside the battery compartment.
- 3 Close the cover.

**Caution: Do not mix old and new batteries. And never mix different types of batteries (standard, alkaline, etc.)**

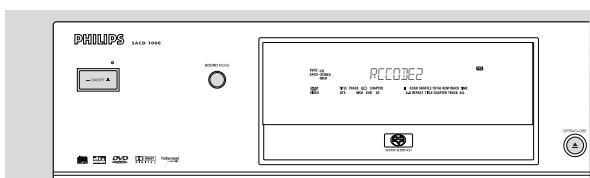


### Remote control device code

To operate the player via the remote control without response of a second DVD player, you can program both player and remote control to use a second set of remote control codes.

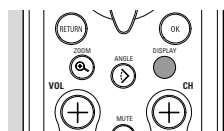
The default system code is Code 1.

### Programming the player to respond to Code 2



- 1 Press **ON/OFF** to switch off the player.
- 2 Simultaneously press and hold **SOUND MODE** and **▲ OPEN/CLOSE** on the player.
- 3 While holding the buttons in step 2 press **ON/OFF** to switch the player on again.
- 4 Continue holding **SOUND MODE** and **▲ OPEN/CLOSE** for three seconds or until *RCCODE2* appears on the player's display.
  - The player will now be programmed to respond to Code 2.
  - When step 1 - 4 are repeated the system code is set to Code 1 again.

### Selecting the remote control code



- Simultaneously press **DISPLAY** and 1 or 2 on the remote control to select code 1 or 2.

➤ The remote control will now be set to the remote control code of your choice.  
 ➤ This action can be repeated whenever necessary.

### Programming the remote control

Your remote control can also be used for operating your television.


- 1 Select the brand of your television from the table. For the remote control set-up codes for television, See Appendix.
- 2 Note the first 3-digit code number after the brand name.
- 3 Press for 3 seconds simultaneously **DISPLAY** and **RETURN**.
  - Your remote control is now disabled for all functions.
- 4 Enter the digits of the selected code number within 30 seconds.
  - In case you press a wrong key or an incorrect number, repeat steps 3 and 4.
    - Your remote control is now programmed to operate your television with. The following buttons are available for this: **TV POWER**, **TV VOL +**, **TV VOL -**, **TV CH +** and **TV CH -**.
  - In case your television does not react properly on commands from the buttons mentioned, select the next 3-digit code number after the brand name and repeat step 3 and 4.



## General explication

### About this manual

This manual gives the basic instructions for operating this SACD player.

When playing DVD discs the player may not respond to all operating commands. Some DVD discs are produced in a way that requires specific operation or allows only limited operation during playback. When this occurs, please refer to the instructions in the disc inlay. When a  appears on the TV screen, the operation is not permitted by the player or the disc.

### Remote control operation

- Unless otherwise stated, all operations can be carried out with the remote control. Always point the remote control directly at the player, making sure there are no obstructions in the path of the infrared beam.
- When there are corresponding keys on the front panel, they can also be used.

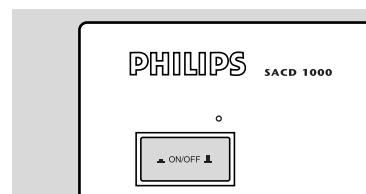
### Menu bar operation

- A number of operations can also be carried out via the menu bar on the screen. The menu bar can be called up by pressing any of the following keys on the remote control: **MENU SYSTEM, T, C, Angle, Audio Language, Subtitle Language, Zoom** and **FTS**.

- The following functions can be operated via the menu bar:

- Personal Preferences;
  - Track/title selection;
  - Chapter selection;
  - Audio language selection;
  - Subtitle language selection;
  - Angle selection;
  - Zoom;
  - Colour selection;
  - Video FTS selection;
  - Sound mode;
  - Picture by picture;
  - Slow motion;
  - Fast motion;
  - Time search.
- The various items can be selected with the ◀ ▶ (left/right cursor) keys or by pressing the relevant keys on the remote control.
- By pressing **MENU SYSTEM** the menu bar will disappear from the screen.
- When selecting an item in the menu bar, the selected item will be highlighted and the cursor keys (on the remote control), to operate this item are displayed below the icon.
- < or > indicates that more items are available at the left/right hand side of the menu bar. Press ◀ ▶ (left/right cursor) to select these items.

## Switching on



- 1 If necessary, switch on the TV and select the video input for your SACD player.
- 2 Press **ON/OFF** on the player front panel or **STANDBY** on the remote control.
  - ▶ The player display lights up.
  - ▶ If the player is connected to the TV the start up screen appears.

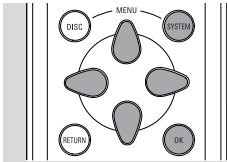


*Note: When you switch off the player by means of the **ON/OFF** switch on the front panel, the output of equipment connected to Scart II will not be passed through to the TV set on Scart I and vice versa.*

## Personal preferences

In this mode you can set your personal preferences for a number of player features. Some settings however must be made. This depends on the type of audio equipment connected. For this see 'Connecting to audio equipment'.

### General operation



- Press **MENU SYSTEM** on the remote control.
- Select in the menu bar and press **▼** (down cursor).
- ▶ The Personal Preferences menu appears.

- Use the **◀ ▶ ▲ ▼** (left/right/up/down) keys to toggle through the menus, sub menus and submenu options.
  - ▶ When a menu item is selected, the cursor keys (on the remote control) to operate the item are displayed next to the item.
- Press **OK** to confirm and return to the main menu.

The following items can be adapted:

### Picture

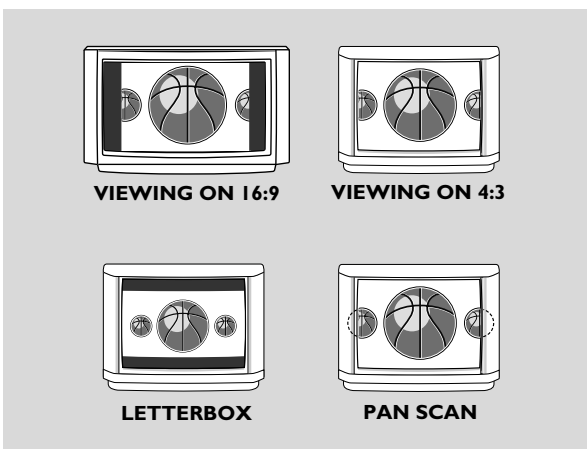
#### TV Shape

If you have a wide screen (16:9) TV, select 16:9.

If you have a regular (4:3) TV, select 4:3.

In this case you can also select between:

Letterbox for a 'wide-screen' picture with black bars top and bottom, or Pan Scan, for a full-height picture with the sides trimmed. Provided this is available on the disc in play. If a disc has Pan Scan, the picture then moves (scans) horizontally to keep the main action on the screen.

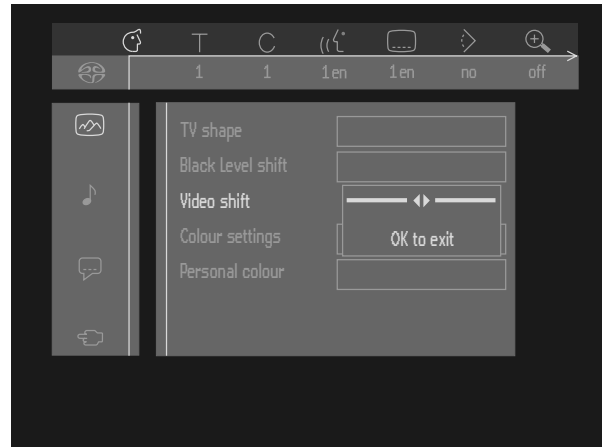


#### Black level shift (NTSC only)

Adapts the colour dynamics to obtain richer contrasts. Select **ON** or **OFF**.

#### Video shift

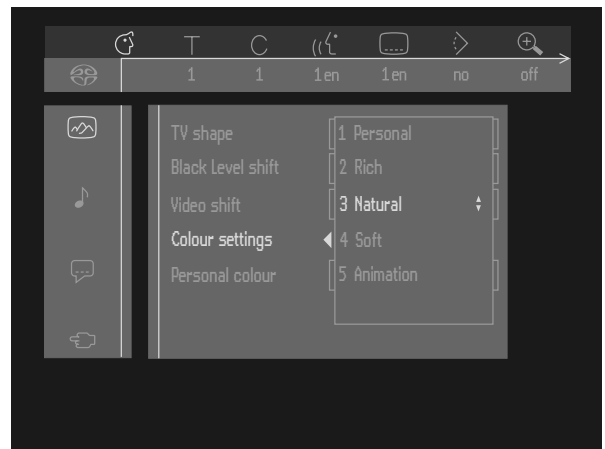
Factory setting is such that the video will be centered on your screen. Use this setting to personalize the position of the picture on your TV by scrolling it to the left or right.



#### Colour settings

(only when connected via Euroconnector)

You can select one of four predefined sets of colour settings and one set (Personal) which you can define yourself.



#### Personal colour

(only when connected via Euroconnector)

Allows you to fine-tune the selected colour settings saturation, brightness and contrast.

## Sound

### Digital and Analog output Settings for DVD/VCD

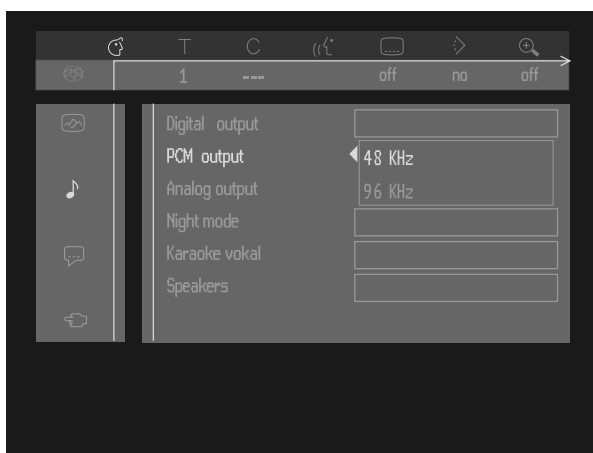
Connected audio system	Digital out	Analog out
Amplifier or TV with two channel analog stereo	Off	Stereo or 3D Sound
Amplifier or TV with Dolby Surround	Off	Dolby Surround
Amplifier with two channel digital stereo	PCM only	Stereo or 3D Sound
A/V receiver with multi-channel decoder (Dolby Digital, MPEG, DTS)	All	Stereo, 3D Sound, Dolby Surround or Multi-channel
Multi-channel A/V receiver with 6-ch connectors	Off	Multi-channel

### Digital output

Factory setting is ALL. If you connect equipment with a digital input change the setting to All or PCM (Pulse Code Modulation - see below) only. Both coaxial and optical outputs are then switched on (not for SACD). If your equipment doesn't include a digital multichannel decoder, set the digital output to PCM. Both coaxial and optical outputs are then switched on. See 'Digital and Analog output Settings for DVD/VCD' above.

### PCM output

PCM (Pulse Code Modulation) is a method of encoding audio information in a digital format. PCM samples analog audio information at a fixed sampling rate and measures the amplitude (volume) of the audio signal with a precision determined by the sampling size. Audio is encoded on CDs in the PCM format with a sampling frequency of 44.1 kHz and a 16-bit sampling size. A 16-bit sample size can contain 65,536 possible levels of sound volume which corresponds to a dynamic range of 96dB. A DVD can be encoded in PCM with a sampling frequency of up to 96 kHz and a 24-bit sample size.



The PCM setting on your player allows you to select the PCM sample-rate frequency of the analog and digital outputs. You can set it to either 48 kHz or 96 kHz. Factory setting is 48 kHz.

Notes when using digital outputs:

- If you have a digital amplifier with a PCM input of 96 kHz, connected via digital output, choose this frequency in the menu. Do not choose 96 kHz if your amplifier has a digital PCM input of 48 kHz since then a strong distorted sound may be produced.
- Due to copy-protection the digital outputs may be muted when 96 kHz is selected, while the analog outputs will remain active. Switching the PCM output back to 48 kHz will reactivate the digital output.

### Analog output

See Digital and Analog output settings for DVD/VCD. Select Stereo, Dolby Surround, 3D Sound or Multi-channel. Factory setting is Multi-channel.

**Multi-channel** : Select this setting when using a multi-channel audio/(video) receiver with six inputs. In this mode, the player will perform Dolby Digital 5.1-channel decoding when applicable, and Dolby Pro Logic decoding on DVD-Video and Video-CD discs with 2-channel soundtracks. No Dolby Pro Logic decoding is done with (Super) Audio CD discs.

**Dolby Surround** : Select this setting when using equipment with a Dolby Surround Pro Logic decoder. In this setting the 5.1 audio channels (Dolby Digital, MPEG-2) are downmixed to a Dolby Surround compatible 2-channel output.

**3D-Sound** : In a setup without rear speakers (analog stereo output), 3D Sound remixes the six channels of digital surround into a two speaker output, while retaining all of the original audio information. The result is the listening sensation of being surrounded by multiple speakers.

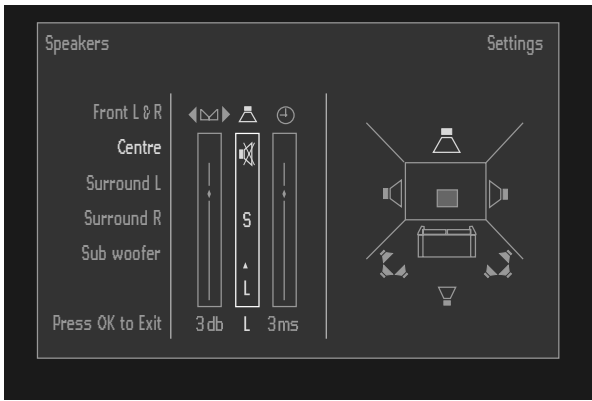
During DVD or Video-CD playback, these values can be selected directly with the '**SOUND MODE**' key.

### Night Mode

Optimizes the dynamics of the sound with low volume playback. This setting can only be used with discs that support the Night Mode feature.

### Speaker settings

Allows you to select speaker settings, volume balance and delay time and to test the speaker settings. Speaker settings are only active on the Multi-channel Audio Out Outputs. Speaker settings will not be used during playback in SACD Stereo or Multi-channel Sound Mode.



**Karaoke vocal**

Put this setting to ON only when a multi-channel karaoke DVD is being played. The karaoke channels on the disc will then be mixed to a normal stereo sound.

**Language**

Select the required Menu, Audio and Subtitle language. *Menu language* - The On Screen Menus will be displayed in the language you choose. You can choose from 8 different languages.

*Audio language* - The sound as well as the DVD disc menu will be in the language you choose provided this is available on the disc in play. If not, speech will revert to the first spoken language on the disc. You can choose from 16 different languages.

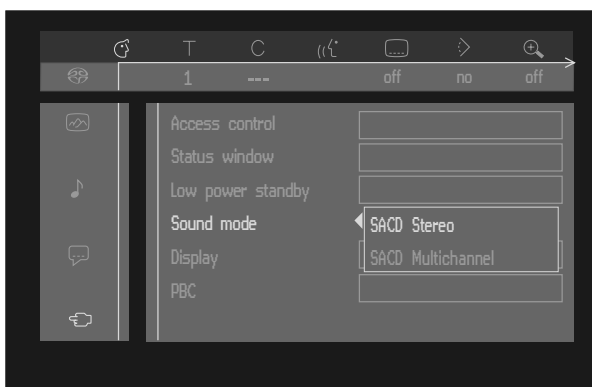
*Subtitle language* - The subtitles will be in the language you choose provided this is available on the disc in play. If not, subtitles will revert to the first subtitle language on the disc. You can choose from 16 different languages.

Audio language and Subtitle language can also be adapted via the Menu bar on the screen.

**Features**

**Sound Mode (SACD only)**

Selection of default SACD Sound Mode: Stereo or Multi-channel. Sound Mode setting can be changed during playback with the Sound Mode button on the player or the remote control. When selecting Multi-channel make sure your sound mode is set up for Multi-channel reproduction.

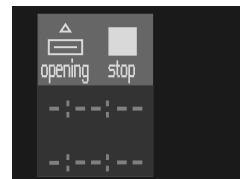


**Access Control (DVD/VCD only)**

Access Control contains the following features:  
*Disc Lock* - When Disc Lock is set to ON, a 4-digit PIN code needs to be entered in order to play discs.  
*Parental control* - Allows the conditional presentation of DVD discs containing Parental Control information.

**Status Window**

Displays the current status of the player and is displayed together with the menu bar. In STOP mode it is displayed together with the 'Temporary Feedback' Field in the default screen. See 'On Screen Display information'; Factory setting is ON. Select OFF to suppress display of the Status Window.



**Low Power Standby**

If this setting is set to ON, the player will go in low-power standby when the Standby button (remote control) is pressed. While in low-power standby, scart AUX-I/O will no longer be available. All external apparatus connected to it will be ignored.

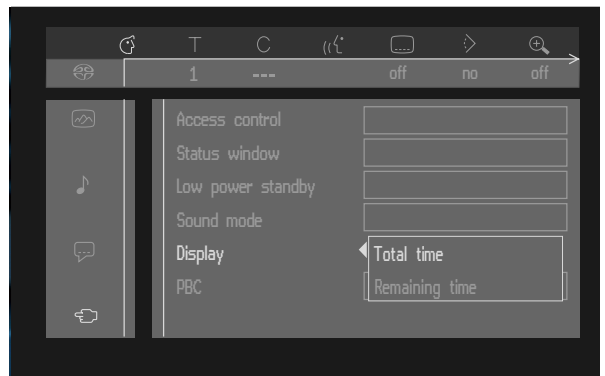
**PBC**

This feature allows you to disable or enable the PBC (Playback Control) menu of VCD discs. See under 'Special VCD features': Factory settings is ON

**Display information**

**Display**

*Elapsed time* - during playback the elapsed playing time will be displayed.  
*Remaining time* - during playback the remaining playing time will be displayed.  
 Display setting can be changed during playback with the DISPLAY button on the remote control.

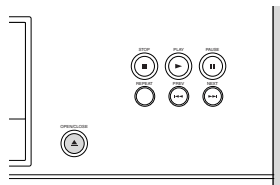


**Player Display Dim (via remote control)**

This feature allows you to set the display brightness. By repeatedly pressing the DIM button on the remote control you can select.

# Operation - Audio (Super Audio CD and CD)

## Loading a SACD or Audio disc



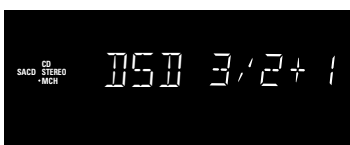
- 1 Press **▲ OPEN/CLOSE** on the front of the player. The disc loading tray opens.
- 2 Lay the disc in the tray, label side up. Make sure it is sitting properly in the correct recess.
- 3 Gently push the tray, or press **▲ OPEN/CLOSE**, to close the tray.
  - **READING** appears on the player display and in the status window (if TV is on).

If a Super Audio CD is inserted the Sound Modes available on the disc will be shown on the player display. The current Sound Mode is indicated on both player display (with a bullet) and screen (if TV is on).

## Playing a SACD or Audio disc



- Press **▶ PLAY** to start playback.
  - During playback of Super Audio CDs and audio discs all functions can be operated via the buttons on the remote control and the player front.
  - If the TV is on, the Super Audio CD or the Audio CD screen appears.
  - During play, the current track number and its elapsed playing time will be shown on the player display (and on the screen). If a default Display Time setting (Total Time/Remaining Time) is made in the Personal Preferences menu this will be shown during playback. With the **DISPLAY** button on the remote control other time indications can be selected.
  - When playing a Super Audio CD the currently selected Sound mode will be indicated on the display with a bullet.
  - At the beginning of each track the number of front channels and surround channels will be displayed (e.g. 3/2). If a subwoofer channel is present this will also be displayed (+1).



- If a default Sound mode (Stereo/Multi-channel) is selected in the Personal Preferences menu and this Sound mode is not available on the disc inserted, playback will start in the first available Sound mode on the disc.
- Playback will stop at the end of the disc.

- To stop play at any other time, press **■ STOP**.
  - The number of tracks and the total playing time will be shown on the player display (and on the screen).

## Sound mode - SACD playback

- Press **SOUND MODE** on the player or the remote control to select the required Sound mode:
  - Stereo* - Super Audio Stereo reproduction.
  - Multi-channel* - Super Audio Multi-channel reproduction.
  - CD* - normal CD stereo reproduction (press **■ STOP** first, then press **SOUND MODE**).

The sound modes available on the disc are indicated on the display. When selecting Multi-channel make sure your speaker configuration is set up for Multi-channel reproduction.

## Pause

- Press **II PAUSE** during play.
- To return to play, press **▶ PLAY**.

## Search

- To search forwards or backwards through the disc at 4x normal speed, press **◀ REVERSE** or **▶ FORWARD** during play.
  - Search begins.
- To step up to 8x normal speed, press **◀ REVERSE** or **▶ FORWARD** again.
  - Search will change to 8x speed.
- To return to 4x normal speed, press **◀ REVERSE** or **▶ FORWARD** again.
- If the TV is on, search speed and direction are indicated on the screen each time **◀ REVERSE** or **▶ FORWARD** is pressed.
- To end the search, press **▶ PLAY** or **■ STOP** as desired.
  - Sound muted in 4x and 8x search.

## Moving to another track

- Press **▶ NEXT** briefly during play to step forward to the next track.
- Press **◀ PREVIOUS** briefly during play to return to the beginning of the current track. Press **◀ PREVIOUS** briefly again to step back to the previous track.
- To go directly to any track, enter the track number using the numerical keys **0-9**.

## Shuffle

- Press **SHUFFLE** during play.
  - The order of the tracks is changed.
- To return to normal play, press **SHUFFLE** again.

## Repeat track/disc

- To repeat the currently playing track, press **REPEAT**.
  - **REPEAT TRACK** appears on the display.
- To repeat the entire disc, press **REPEAT** a second time.
  - **REPEAT ALL** appears on the display.
- To exit Repeat mode, press **REPEAT** a third time.

## Repeat A-B

To repeat or loop a sequence:

- Press **REPEAT A-B** at your chosen starting point.
  - **A** appears on the player display.
- Press **REPEAT A-B** again at your chosen end point.
  - **A-B** appears on the display, and the repeat sequence begins.
- To exit the sequence, press **REPEAT A-B** again.

## Scan

Plays the first 10 seconds of each track on the disc.

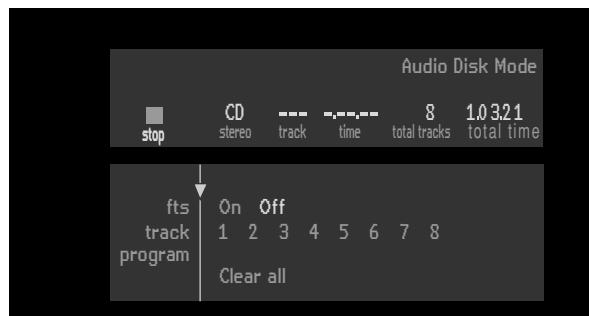
- Press **SCAN**.
- To continue play at your chosen track, press **SCAN** again or press **▶ PLAY**.

## FTS (Favourite Track Selection) - Audio CD only

- The FTS feature allows you to store your favourite tracks for a particular disc in the player memory.
- Each FTS program can contain 20 tracks.
- Each time an FTS program is played it will be placed on top of the list. When the list is full and a new program is added, the last program in the list will be removed from the list.
- The selections can be called up and played at any time.
- For storing an FTS program On Screen Display operation is required.

## Storing an FTS-program

- 1 Load a disc and go to Stop mode.



- 2 Use **▼** (down cursor) to go to the list of available tracks.
- 3 Use **◀** and **▶** (left/right cursor) to select tracks from the list.
  - To go directly to any track, enter the track number using the numerical keys **0-9**.
- 4 Store each track by pressing **OK**.
  - The track numbers will be added to the list of selected tracks.
  - The number of tracks and the playing time of the program will be shown on the player display and the audio screen.

When your FTS program is complete, press **▶ PLAY** to start play, the FTS program will be automatically memorized.

- Press **FTS** or use the **◀▶** (left/right cursor) to set FTS to ON or OFF.

## Erasing a track from an FTS-program

- 1 Use **▼** (down cursor) to go to the list of selected tracks.
- 2 Use **◀** and **▶** (left/right cursor) to select the track number you wish to erase. To go directly to any track, enter the track number using the numerical keys **0-9**.
- 3 Press **OK**.
  - The track number will be erased from the list of selected tracks.


## Erasing the complete program

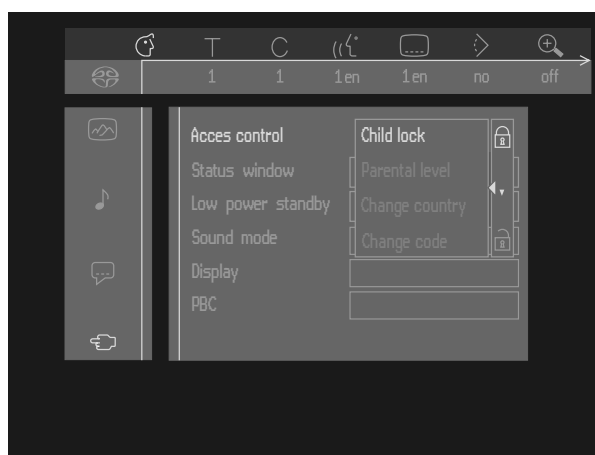
- Use **▼** (down cursor) to select **Clear All** and press **OK**.
  - The complete FTS program for the disc will be erased.





# Operation - Video (DVD and VCD)

## Access control; disc lock (DVD and VCD)

### Activating/deactivating the disc lock

- 1 In Stop mode, select **Access Control** in the Features menu  using the ▼/▲ (down/up) keys and press ► (right cursor).
- 2 Enter a 4-digit PIN code of your own choice.
- 3 Enter the code a second time.
- 4 Move to **Child lock** using the ▼/▲ (down/up) keys.



- 5 Move to  /  using the ► (right cursor) key.
- 6 Select  using the ▼/▲ (down/up) keys.
- 7 Press **OK** to confirm or ◀ (left cursor) to confirm and press ◀ (left cursor) again to exit the menu.  
► Now unauthorized discs will not be played unless the 4-digit code is entered.
- 8 Select  to deactivate the disc lock.

Note: Reconfirmation of the 4-digit PIN code is necessary when:

- The code is entered for the very first time (see above);
- The code is changed (see 'Changing the 4-digit code');
- The code is cancelled (see 'Changing the 4-digit code');
- Both Disc lock and Parental Control are switched OFF and the code is requested.

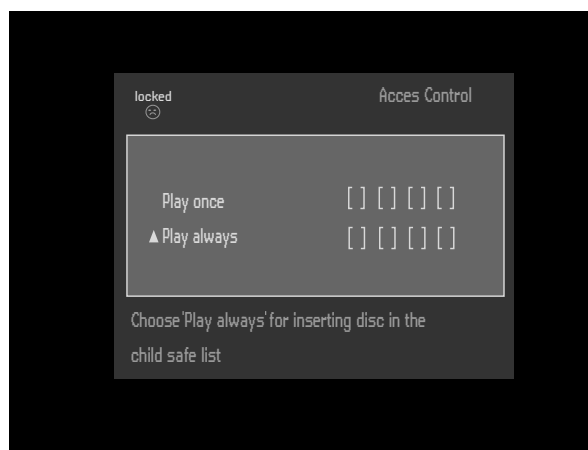
### Authorizing discs

- Insert the disc. See 'Loading a disc'.  
► The Disc lock dialog will appear. You will be asked to enter your secret code for 'Play Once' or 'Play Always'. If you select 'Play Once', the disc can be played as long as it is in the player and the player is in the ON position. If you select 'Play Always', the disc will become child safe (authorized) and can always be played even if the Disc lock is set to ON.



Notes: The player memory maintains a list of up to 80 authorized ('Child safe') disc titles. A disc will be placed in the list when 'Play Always' is selected in the 'child protect' dialog. Each time a 'child safe' disc is played it will be placed on top of the list. When the list is full and a new disc is added, the last disc in the list will be removed from the list.

Double sided DVD discs may have a different ID for each side. In order to make the disc 'child safe', each side has to be authorized.

Multi volume VCD disc may have a different ID for each volume. In order to make the complete set 'child safe', each volume has to be authorized.




### Deauthorizing discs

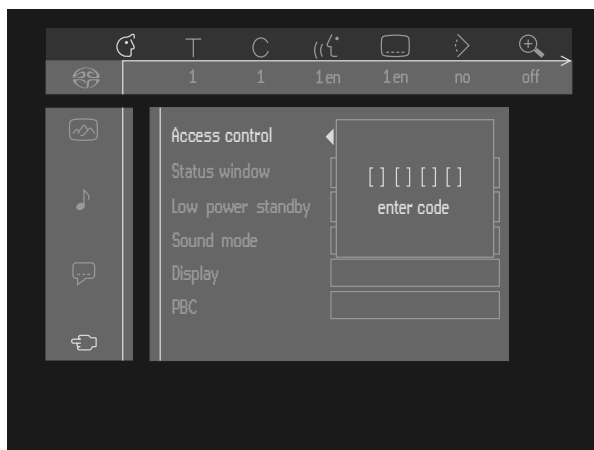
- Insert the disc. See 'Loading a disc'.  
► Playback starts automatically.
- Press **STOP** while  is visible.  
► The  will appear and the disc is now deauthorized.

## Access control; Parental control (DVD-Video only)

Movies on DVD discs may contain scenes not suitable for children. Therefore discs may contain 'Parental Control' information which applies to the complete disc or to certain scenes on the disc. These scenes are rated from 1 to 8 and alternative, more suitable scenes are available on the disc. Ratings are country dependent. The 'Parental Control' feature allows you to prevent discs from being played by your children or to have certain discs played with alternative scenes.

### Activating/Deactivating Parental Control

- 1 In Stop mode, select **Access Control** in the Features menu  using the ▼/▲ (down/up) keys and press ► (right cursor).



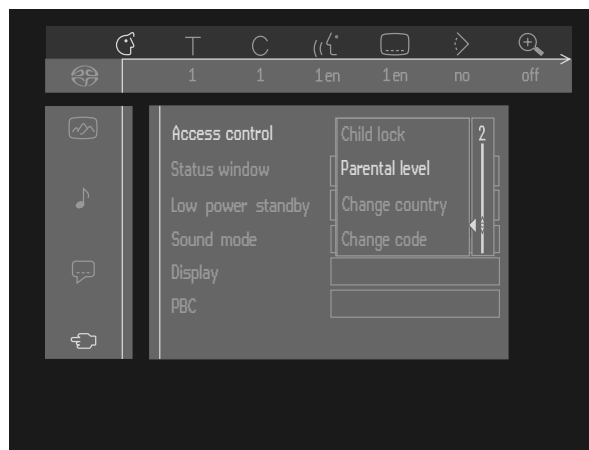
- 2 Enter your 4-digit PIN code. If necessary enter the code a second time.
- 3 Move to **Parental Level** using the ▼/▲ (down/up) keys.
- 4 Move to the Value Adjustment bar using the ► (right cursor) key.
- 5 Then use the ▼/▲ (down/up) keys or the numerical keys **0-9** on the remote control to select a rating from 1 to 8 for the disc inserted.

*Rating 0 (displayed as '- -'):*

Parental Control is not activated. The Disc will be played in full.


*Ratings 1 (child safe) to 8 (adults only):*

The disc contains scenes not suitable for children. If you set a rating for the player, all scenes with the same rating or lower will be played. Higher rated scenes will not be played unless an alternative is available on the disc. The alternative must have the same rating or a lower one. If no suitable alternative is found, play will stop and the 4-digit code has to be entered.




- 6 Press **OK** or ◀ (left cursor) to confirm and press ◀ (left cursor) again to exit the menu.

### Country

- 1 In Stop mode, select **Access Control** in the Features menu  using the ▼/▲ (down/up) keys and press ► (right cursor).
- 2 Enter your 4-digit Pincode.
- 3 Move to **Change Country** using the ▼ (down) key.
- 4 Press the ► (right) key.
- 5 Select a country using ▼/▲ (down/up cursor).
- 6 Press **OK** or ◀ (left cursor) to confirm and press ◀ (left cursor) again to exit the menu.

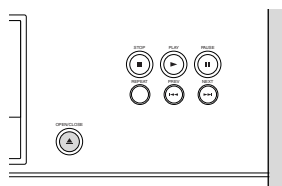
### Changing the 4-digit code

- 1 In Stop mode, select **Access Control** in the Features menu  using the ▼/▲ (down/up) keys and press ► (right cursor).
- 2 Enter the old code.
- 3 Move to **Change Code** using the ▼ (down) key.
- 4 Press the ► (right) key.
- 5 Enter the new 4-digit PIN code.
- 6 Enter the code a second time and reconfirm with **OK**.
- 7 Press ◀ (left cursor) to exit the menu.

*Note: If you forgot your code, press ■ STOP four times while in the access control PIN code box and exit with OK. Access control is now switched off. You can then enter a new code (twice!) as described above.*



## Loading DVD or VCD discs



- 1 Press **▲ OPEN/CLOSE** on the front of the player. The disc loading tray opens.
- 2 Lay the disc in the tray, label side up (also when a double sided DVD disc is inserted). Make sure it is sitting properly in the correct recess.
- 3 Gently push the tray, or press **▲ OPEN/CLOSE**, to close the tray.
  - **READING** appears in the status window and on the player display and playback starts automatically.

*Note: If a DVD disc is inserted and 'Disc Lock' is set to ON while the disc inserted is not in the 'child safe' list (not authorized), the PIN code must be entered and/or the disc has to be authorized. (see 'Access Control')*

## Playing a DVD-video disc



### Playing a title

- After inserting the disc and closing the tray, playback starts automatically and the status window and the player display show the type of disc loaded as well as information about the disc's contents and playing time. The disc may invite you to select an item from a menu. If the selections are numbered, press the appropriate numerical key **0-9**; if not, use the **▼/▲**, **◀/▶** (down/up/left/right) keys to highlight your selection, and press **OK**.
  - The currently playing title and chapter number are displayed in the menu bar and the player display. The elapsed playing time is shown in the status window and the player display.
  - At the beginning of each title the number of front channels and surround channels will be displayed (e.g. 3/2). If a subwoofer channel is present this will also be displayed (+1).
  - If during play the audio format (MPEG 2, Dolby Digital, etc.) of a title changes this will be indicated on the display.
- If required, you can use the **SOUND MODE** key to select Stereo, Dolby Surround, 3D-Sound or Multi-channel reproduction. Play may stop at the end of the Title, this can result in return to menu.

- To stop play at any time, press **■ STOP**.
  - The default screen will then appear, giving information about the current status of the player.
- You can resume play from the point at which you stopped by pressing **▶ RESUME**.
  - The resume feature applies, not only to the disc in the player, but also to the last four discs you have played. Simply reload the disc, press **▶ PLAY** and when you see the Resume icon **▶** on the screen, press **▶ PLAY** again.

*Note: Since it is usual for DVD movies to be released at different times in different regions of the world, all players have region codes and discs can have an optional region code. If you load a disc of a different region code to your player, you will see the region code notice on the screen. The disc will not play, and should be unloaded.*

## Playing a video CD



### Playing a disc

- After inserting the disc and closing the tray, playback starts automatically and the status window and the player display show the type of disc loaded as well as information about the disc's contents and playing time
- The disc may invite you to select an item from a menu. If the selections are numbered, press the appropriate numerical key **0-9**.
- The currently playing track number is displayed in the menu bar and the player display. The elapsed playing time is shown in the status window and the player display.
- If required, you can use the **SOUND MODE** key to select Stereo, Dolby Surround or 3D-Sound reproduction.
- To stop play at any time, press **■ STOP**.
  - The default screen will then appear.
- You can resume play from the point at which you stopped by pressing **▶ RESUME**. The resume feature applies, not only to the disc in the player, but also to the last four discs you have played. Simply reload the disc, press **▶ PLAY** and when you see the Resume icon on the screen **▶**, press **▶ PLAY** again.

## General features

*Note: Unless stated otherwise, all operations described are based on remote control operation. A number of operations can also be carried out via the menu bar on the screen. (see 'Menu bar operation')*

### Moving to another title/track

When a disc has more than one title or track (which you can see from both the menu bar and the player display), you can move to another title as follows:

- Press **T** (title), then press **▶ NEXT** briefly during play to select the next title/track.
- Press **T** (title), then press **◀ PREVIOUS** briefly during play to return to the beginning of the current title/track. Press **◀ PREVIOUS** twice briefly to step back to the previous title/track.
- To go directly to any title or track, select **T** (title), then enter the title number using the numerical keys **0-9**.

*Note: If the number has more than one digit, press the keys in rapid succession.*

### Moving to another chapter/index

When a title on a disc has more than one chapter or a track has more than one index (which you can see from the player display and on the menu bar), you can move to another chapter/index as follows:

- Press **▶ NEXT** briefly during play to select the next chapter/index.
- Press **◀ PREVIOUS** briefly during play to return to the beginning of the current chapter/index. Press **◀ PREVIOUS** twice briefly to step back to the previous chapter/index.
- To go directly to any chapter or index, select **C** (chapter), then enter the chapter or index number using the numerical keys **0-9**.

*Note: If the number has more than one digit, press the keys in rapid succession.*

### Slow Motion

- Select **◀▶** (Slow motion) in the menu bar.
- Use the **▼** (down) key to enter the Slow Motion menu.
  - ▶ The player will now go into Pause mode.
- Use the **◀ ▶** (left/right) keys to select the required speed: -1, -1/2, -1/4 or -1/8 (backward); +1/8, +1/4, +1/2 or +1 (forward).
- Select **1** to play at normal speed again.
- If **|| PAUSE** is pressed, the speed will be set to 0.
- To exit slow motion mode, press **▶ PLAY** and then **▲** (up cursor).

You can also select Slow motion speeds by using the **▶** button on the remote control.

## Still Picture and Step Frame

- Select **◀▶** (picture by picture) in the menu bar.
- Use the **▼** (down) key to enter the picture by picture menu.
  - ▶ The player will now go into Pause mode.
- Use **◀ ▶** (left/right) keys to select previous or next picture.
- To exit Picture by picture mode, press **▶ PLAY**. You can also step forward by using the **|| PAUSE** repeatedly on the remote control.

### Search

- Select **◀▶** (Fast motion) in the menu bar.
- Use the **▼** (down) key to enter the Fast motion menu.
- Use the **◀ ▶** (left/right) keys to select the required speed: -32, -8 or -4 (reverse); +4, +8, +32 (forward).
- Select **1** to play at normal speed again.
- To exit Fast motion mode, press **▶ PLAY** and then **▲** (up cursor).

To search forward or backward through different speeds, you can also use **◀◀** or **▶▶**.

### Repeat

#### DVD-Video Discs - Repeat chapter/title/disc

- To repeat the currently playing chapter, press **REPEAT**.
  - ▶ **REPEAT CHAPTER** appears on the player display.
- To repeat the currently playing title, press **REPEAT** a second time.
  - ▶ **REPEAT TITLE** appears on the display.
- To repeat the entire disc, press **REPEAT** a third time.
  - ▶ **REPEAT ALL** appears on the display.
- To exit Repeat mode, press **REPEAT** a fourth time.

#### Video CDs - Repeat track/disc

- To repeat the currently playing track, press **REPEAT**.
  - ▶ **REPEAT TRACK** appears on the player display.
- To repeat the entire disc, press **REPEAT** a second time.
  - ▶ **REPEAT ALL** appears on display and screen.
- To exit Repeat mode, press **REPEAT** a third time.

## Repeat A-B

To repeat or loop a sequence in a title:

- Press **REPEAT A-B** at your chosen starting point.
  - A appears on the screen.
- Press **REPEAT A-B** again at your chosen end point.
  - **A-B REPEAT** appears on the display, and the repeat sequence begins.
- To exit the sequence, press **REPEAT A-B**.

## Scan

Plays the first 10 seconds of each chapter on the disc.

- Press **SCAN**.
- To continue play at your chosen chapter press **SCAN** again or press ► **PLAY**.

## Shuffle

### DVD-Video discs

This feature shuffles the playing order of chapters within a title, if the title has more than one.

- Press **SHUFFLE** during play.
  - The shuffle icon appears on the screen for about 2 seconds.
- To return to normal play, press **SHUFFLE** again.


### Video CDs

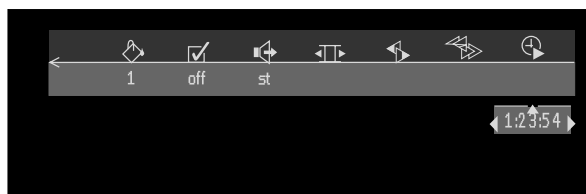
This feature shuffles the playing order of the tracks, if the disc has more than one.

- Press **SHUFFLE** during play.
  - The Shuffle icon appears on the screen for about 2 seconds.
- To return to normal play, press **SHUFFLE** again.

## Time search




The Time Search function allows you to start playing at any chosen time stamp.

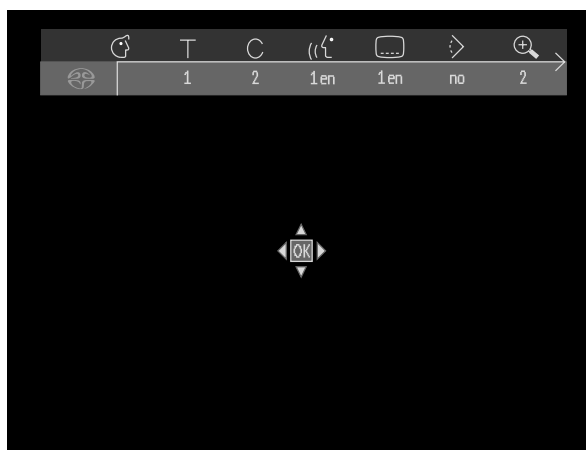
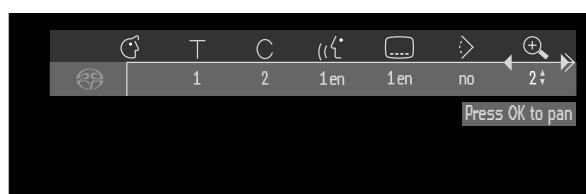
- Select  (Time Search) in the menu bar.
- Press ▼ (down cursor).
  - The player will now go into Pause mode.
  - A time edit box appears on the screen showing the elapsed playing time of the current disc.
- Use the digit keys **0-9** to enter the required start time. Enter hours, minutes and seconds from left to right in the box.
  - Each time an item has been entered, the next item will be highlighted.
- Press **OK** to confirm the start time.
  - The time edit box will disappear and play starts from the selected time position.



## Zoom

The Zoom function allows you to enlarge the video image and to pan through the enlarged image.

- Select  Zoom in the menu bar.
- Press ▼ ▲ (down/up cursor) to activate the Zoom function and select the required zoom factor; 1.33 or 2 or 4.
  - The player will go into Pause mode.
  - The selected zoom factor appears below the Zoom icon  in the menu bar and 'Press OK to pan' appears below the menu bar.
  - The picture will change accordingly.
- Press **OK** to confirm the selection.
  - The panning icons appear on the screen: ▲ ▼ ◀ ▶ and **OK**.
- Use the ▲ ▼ ◀ ▶ (up/down/left/right) keys to pan all over the screen.
- When **OK** is pressed only the zoomed picture will be shown on the screen.
- If you wish to zoom at any moment, press  Zoom and select the required zoom factor as described above.
- To exit Zoom mode, press ► **PLAY**.
  - Playback will resume.



## FTS-Video

- The FTS-Video function allows you to store your favourite titles and chapters (DVD) and favourite tracks (VCD) for a particular disc in the player memory.
- Each FTS program can contain 20 items (titles, chapters).
- Each time an FTS program is played it will be placed on top of the list. When the list is full and a new program is added, the last program in the list will be removed from the list.
- The selections can be called up and played at any time.

### Storing a FTS-Video Program

- In Stop mode, select Video FTS  in the menu bar.
- Press ▼ (down cursor) to open the menu.
  - The Video FTS menu appears.

#### Storing titles/tracks

- Press ▼ (down cursor) to select **title**.
- Use ◀▶ (left/right cursors) to select the required title.
- Press **OK** if you wish to store the entire title.
  - The title number will be added to the list of selections.

#### Storing chapters

- Press ▼ (down cursor) on the selected title number.
  - The title number will be marked and the highlight moves to the first available chapter number for this title.
- Use ◀▶ (left/right cursors) to select the required chapter number.
- Press **OK** to confirm the selection.
  - The title/chapter selection will be added to the list of selections.
- Press **OK** or **MENU SYSTEM** to exit the Video FTS menu.

### Erasing a title/track FTS-Video Program

- In Stop mode, select Video FTS  in the menu bar.
- Use ▼ (down cursor) to select **program**.
- Use ◀▶ (left/right cursors) to select the required selection number.
- Press **OK** to erase the selection.
- Press ▲ (up cursor) or **MENU SYSTEM** to exit the Video FTS menu.

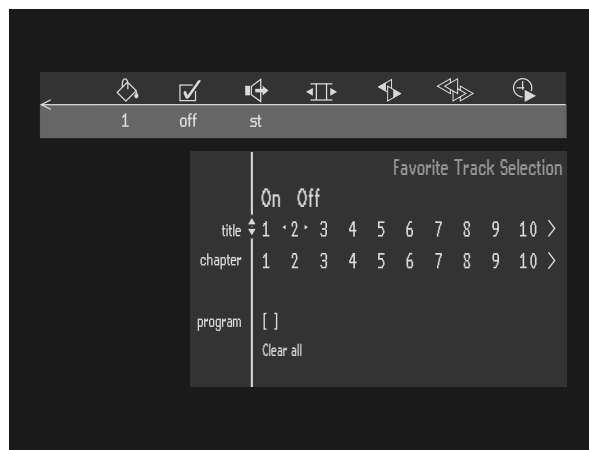
### If you wish to erase all selections:

- In Stop mode, select FTS Video  in the menu bar.
- Use ▼ (down cursor) to select **Clear all**.
- Press **OK**.
  - All selections will now be erased.
- Press ▲ (up cursor) or **MENU SYSTEM** to exit the Video FTS menu.

### Switch FTS Video On or Off:

- Select FTS Video  in the menu bar and press ▼ (down cursor).
  - The video FTS menu appears.
- Press ◀▶ (left/right cursors) to select **On** or **Off**.
- Press ▲ (up cursor) or **MENU SYSTEM** to exit the Video FTS menu.

You can also switch FTS Video ON or OFF by using the **FTS** button on the remote control.



## Special DVD-features

### Checking the contents of DVD-Video discs: Menus

For titles and chapters, selection menus may be included on the disc. The DVD's menu feature allows you to make selections from these menus. Press the appropriate numerical key; or use the ▼, ▲, ►, ◀ (down/up/right/left) keys to highlight your selection, and press **OK**.

#### Title menus

- Press **DISC MENU**.
  - If the current title has a menu, this now appears on the screen. If no menu is present in the title, the disc menu will be displayed.
- The menu can list camera angles, spoken language and subtitle options, and chapters for the title.
- To remove the title menu, press **DISC MENU** again.

#### Menu Disc

- Press **T** followed by **DISC MENU**.
  - The disc menu is displayed.
- To remove the disc menu, press **DISC MENU** again.

#### Camera Angle



If the disc contains sequences recorded from different camera angles, the angle icon ◀▶ appears, showing the number of available angles, and the angle being shown.

You can then change the camera angle if you wish.

- Use the ▼ ▲ (down/up) keys to select the required angle in the angle icon.
- To go to any angle directly, enter the angle number using the numerical keys **0-9**.
  - After a small delay, play changes to the selected angle. The angle icon remains displayed until multiple angles are no longer available.

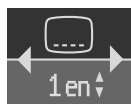
#### Changing the audio language



● Select ◀▶ (Audio) in the menu bar.  
 ● Press ◀▶ or ▼ ▲ (down/up cursors) repeatedly to step through the different languages.

- You can enter the required language number directly using the numerical keys **0-9**.

#### Subtitles



● Select ◀▶ (Subtitle) in the menu bar.  
 ● Press ◀▶ or ▼ ▲ (down/up cursors) repeatedly to step through the different subtitles.

- You can enter the required subtitle number directly using the numerical keys **0-9**.

## Special VCD-Features

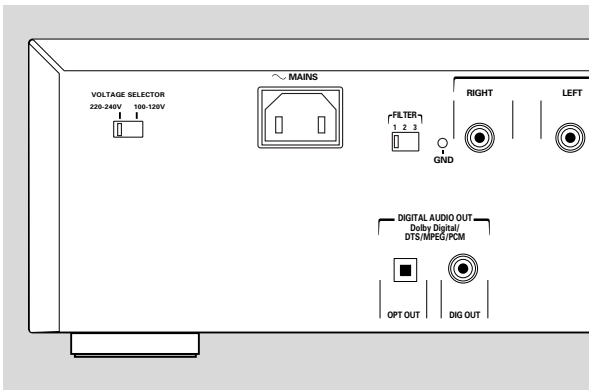
### Playback Control (PBC)

- Load a Video CD with PBC and press ► **PLAY**.
  - The PBC menu appears on the TV screen.
- Go through the menu with the keys indicated on the TV screen until your chosen passage starts to play. If a PBC menu consists of a list of tracks, you can select a track directly.
- Enter your choice with the numerical keys **0-9**.
- Press **RETURN** to go back to the previous menu.

## Enhanced use

### Filter switch

Not all amplifiers/receivers and speakers can handle the extended frequency response of SACD. Your SACD is equipped with a switchable filter on the rear. The factory setting of this filter is 40 KHz which is safe for all systems. If your system can handle the full frequency range of SACD (check the relevant manuals or, when in doubt, contact your dealer) do the following:



Set the switch to the required output signal.

Position 1 : 40 kHz - output signal on all speakers is set to 40 kHz.

Position 2 : 50 kHz FRONT/40 kHz OTHERS - output signal on front speakers is set to 50 kHz; output signal on all other speakers is set to 40 kHz.

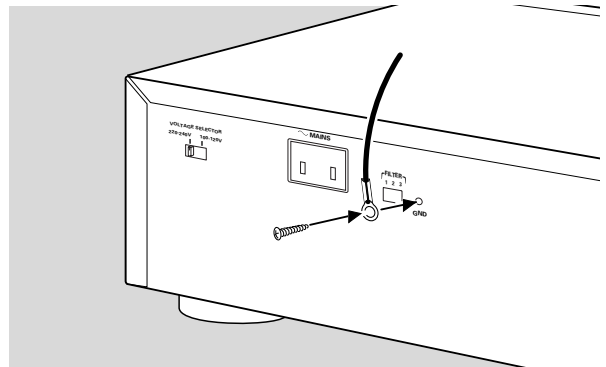
Position 3 : 50 kHz - output signal on all speakers is set to 50 kHz.

**Warning:** When you are not sure your system is able to handle audio input signals up to 50 KHz do not change the output signal. You may damage your speakers or amplifier/receiver.

## System grounding

When your system consists of a lot of components, occasional disturbance problems (like howling noises) may occur. These problems can be solved by grounding the system.

- 1 Unscrew ground connector GND halfway, connect an earth wire to the connector and tighten the connector again.



- 2 Connect the earth wire to the ground connector of the next component in the system.
- 3 If ground connectors are available on the other components of your system, ground the other components in the same way.

# Before requesting service

If it appears that the SACD player is faulty, first consult this checklist. It may be that something has been overlooked. Under no circumstances attempt to repair the system yourself; this will invalidate the warranty.

Look for the specific symptom(s). Then perform only the actions listed to remedy the specific symptom(s).

## Symptom

## Remedy

### No power

Check if both plugs of the mains cord are properly connected.  
Check if there is power at the AC outlet by plugging in another appliance.

### No sound

Check audio connections.  
If using a HiFi amplifier, try another sound source.  
DTS-CD do not play on the SACD 1000.

### Distorted sound from HiFi amplifier

Check to make sure that no audio connections are made to amplifier phono input.

### Disc can't be played

Ensure the disc label is upwards.  
Clean the disc.  
Check if the disc is defective by trying another disc.

### No picture

Check if the TV is switched on.  
Check the video connection.

### Distorted picture

Check the disc for fingerprints and clean with a soft cloth, wiping from centre to edge.  
Sometimes a small amount of picture distortion may appear. This is not a malfunction.

### Completely distorted picture with player menu

The NTSC/PAL switch may be in the wrong status. Press the **■ STOP** and **▶▶ NEXT** buttons simultaneously and keep them pressed while you turn the player ON.

### No colour in picture with player menu

The NTSC/PAL switch may be in the wrong status. Press the **■ STOP** and **▶▶ NEXT** buttons simultaneously and keep them pressed while you turn the player ON.

### No return to start-up screen when disc is removed

Reset by switching the player OFF, then ON again.  
Check to see if the program requires another disc to be loaded.

### The player does not respond to the remote control

Aim the remote control directly at the sensor on the front of the player. Avoid all obstacles that may interfere with the signal path.  
Inspect or replace the batteries.  
Check device code setting. See chapter 'Remote control device code'.

### Distorted or black and white picture with DVD or Video CD disc

Use only discs that match the TV system of the TV-set used (PAL/NTSC).

### No audio at digital output

Check the digital connections.  
Check the settings menu to make sure that the digital output is set to on.  
Check if the audio format of the selected audio language matches your receiver capabilities.

### Buttons do not work

Reset by switching the player OFF then ON again.

### Audible 'clicks' from player's internal

During operation the relays of the player may be switched, leading to an audible 'click'. This is not a malfunction.

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**Player does not respond to all operating Commands during playback**

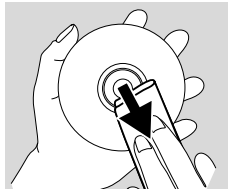
Operations are not permitted by the disc. Refer to the instructions in the disc inlay.

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**Disturbance problems (like howling noises) during playback**

Ground the system. See 'System grounding'.

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## Cleaning discs

Some problems occur because the disc inside the player is dirty. To avoid these problems clean your discs regularly, in the following way:

- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the centre out.

**Caution: Do not use solvents such as benzene, thinner, commercially available cleaners, or anti-static spray intended for analog discs.**

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## Diagnostic program

If the player is still faulty you can start the Diagnostic Program in the player.

You can operate the Diagnosis Program by following the step-by-step instructions below.

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### Instructions

- 1 Switch the player OFF with the **ON/OFF** button.
- 2 Press the **▲ OPEN/CLOSE** and **II** button simultaneously and keep them pressed while you turn the player ON.
  - On the display the message *BUSY* appears together with a counter that counts down as the test is running, reaching zero by the end of the test.
  - After a few minutes, the message on the local display changes from *BUSY* to *FAIL* or to *PASS*.
  - If the message *FAIL* appears on the display, there is apparently a failure in your player and your player should be repaired.
- 3 Consult your dealer or the Philips Customer Care Centre for the nearest Service Repair Shop in your country. The phone number is given in your warranty booklet.
- 4 If the message *PASS* appears on the display, there is apparently no failure in your player. In this case the failure can be caused by incorrect interpretation of the operating instructions, the use of a wrong disc or the fact that your player is incorrectly connected. In this case, you should consult your dealer or the Philips Customer Care Centre for further assistance in solving the problem.
- 5 If the problem remains, return to point 3 of this instruction to find the nearest repair shop.
- 6 Switch the player OFF with the **ON/OFF** button to leave the diagnostic program.



