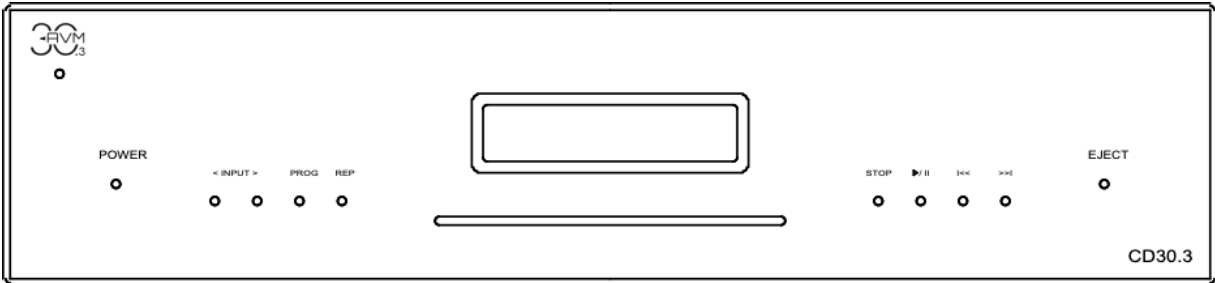


Operating Instructions

CD 30.3



Caution

This unit contains a class 1 laser diode. Do not open. Invisible laser radiation can damage your eyes.

Laserdiode Typ: Ga-Al-As
Wavelength: 755 - 815 nm (25 °C)
Output power: max. 0,7 mW max.

CLASS 1 LASER PRODUCT
LASER KLASSE 1

Declaration of conformity (for EC only)

We herewith confirm, that the unit to which this manual belongs fulfils the EC rules necessary to obtain the sign



the necessary measurements were taken with positive results.

AVM Audio Video Manufaktur GmbH
Daimlerstraße 8
D-76316 Malsch
Germany

www.avm.audio
info@avm.audio

Welcome!

We are pleased you have chosen an audiophile masterpiece of the AVM30 series and thank you for your trust. With the CD 30.3 CD Player you own an extraordinary HiFi component with excellent sound and a wide range of functions. In the following, we would like to explain the use of your CD 30.3 in a comprehensive way and therefore ask you to take a little time to study this manual in detail.

Should you have any questions which we have not been able to answer with this manual, please contact your dealer or distributor who will be able to configure the unit according to your needs and personal requirements and also give you instructions for daily use.

A handwritten signature in black ink, appearing to read 'Udo Besser', with a stylized, flowing script.

Udo Besser – AVM Owner & General Manager

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1 Getting started

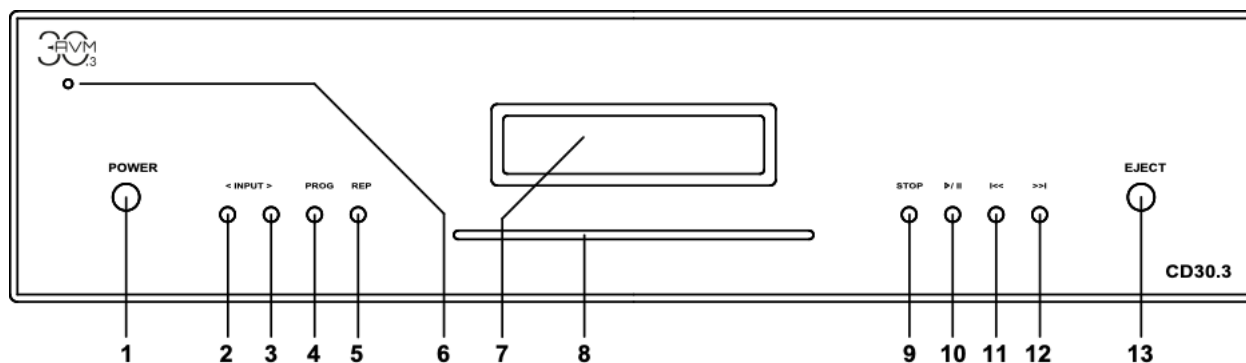
1.1 What's in the box?

- CD 30.3 CD Player
- Power cable
- RC 3 remote control

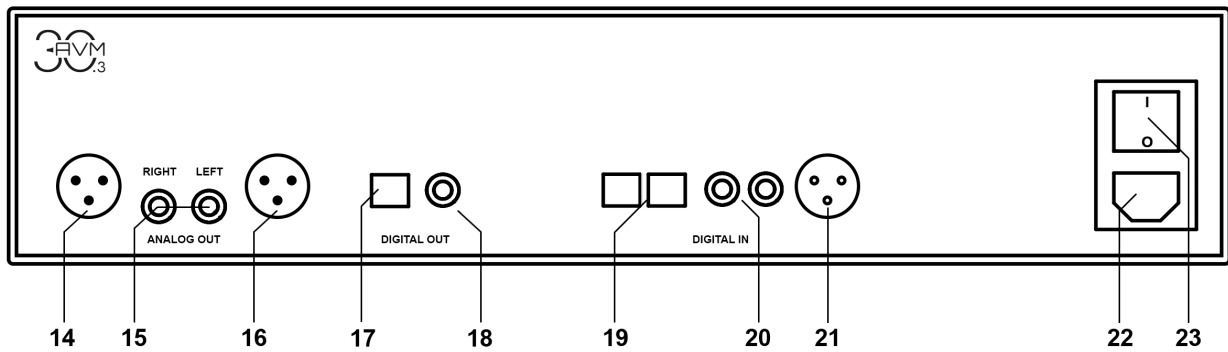
NOTE: After unpacking, please check the scope of delivery to ensure that all parts have been supplied and are undamaged. In case the original packing has already been opened, please contact your local dealer. Often, your dealer prepares your new device prior to delivery to adapt and change the configuration to your personal needs.

1.2 Control and operating elements

The numbers in the drawings below mark the control elements. They refer to the numbers in the text, where the operation of the unit is described.



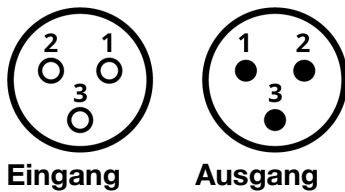
- | | |
|--|--------------------------|
| 1 POWER key (on / off) | 8 CD-Slot |
| 2 INPUT key < (input, title programming) | 9 STOP key |
| 3 INPUT key > (input, title programming) | 10 PLAY/PAUSE key |
| 4 PROG key (title programming, RND) | 11 SKIP / Search I<< key |
| 5 REPEAT key | 12 SKIP / Search >>I key |
| 6 Control LED | 13 EJECT key |
| 7 Display | |



- | | |
|---|----------------------------|
| 14 Right analog output (balanced XLR) | 19 Coaxial digital output |
| 15 Analog outputs (unbalanced, Cinch/RCA) | 20 Coaxial digital inputs |
| 16 Left analog output (balanced XLR) | 21 Digital input AES/EBU |
| 17 Optical digital output | 22 Power supply connection |
| 18 Coaxial digital output | 23 Power switch |

1.3 Pin assignments

1.3.1 Assignment XLR connectors



- 1) Ground (GND)
- 2) POS (+)
- 3) NEG (-)

1.4 Installation and cooling

The CD 30.3 generates almost no heat during normal operation. Therefore, it can be installed in a rack without any problems. If you place the unit in a cabinet, please ensure sufficient air circulation. If you place other components above or below your CD 30.3, please ensure a minimum distance of 1 cm. We also recommend a location that is protected from direct sunlight so that you can easily read the indications on the display of the device (7). Avoid placing the device in the direct vicinity of a heating or in areas with extremely high humidity. When setting up the unit, also make sure that there is a free area of at least 15 cm in front of the CD slot (8), so that CDs can be inserted and ejected without hindrance.

1.5 Power connection

Connect the supplied power cable to the power supply connection (22) and plug it into a shockproof socket.

NOTE: Please leave the device switched off for the time being (power switch (23) in zero position) until you have established all cable connections to the rest of the system.

1.6 Connecting a preamplifier or integrated amplifier

Connect the analog outputs (14-16) to the amplifier inputs using suitable cables. XLR and RCA outputs are mutually decoupled and can be used as desired.

If possible, we recommend a balanced connection via the XLR outputs (14, 16), especially for longer connection lengths. Unbalanced RCA/RCA cables can also make excellent connections in terms of sound quality - provided you use a sufficiently shielded cable of high quality.

1.7 Connecting digital sources and recording devices

Digital sources

Connect digital signal sources to the optical (19) or coaxial (20) digital inputs, to the AES/EBU digital input (21) using a suitable cable.

Digital recording devices

If you want to record digitally, you can connect your recording devices (computer, CD recorder) to the digital outputs (17, 18). Depending on the selected source, the output socket carries the corresponding signal (dig in coax, dig in opt. etc.).

1.8 RC 3 remote control

The RC 3 remote control included in the scope of delivery allows you to control your CD 30.3 comfortably. Optionally, the RC 8 remote control is also available from us. This remote control with its numeric keys allows you to control the CD player more comfortably.

The **OFF** and **ON** keys are common for all AVM devices in the system and switch them off and on.

The **STOP**, **PLAY** and **< SKIP >** keys are used for drive control. The **PLAY** key switches between **PLAY** and **PAUSE** when pressed several times, the **STOP** key ejects the CD when pressed several times. The keys **< SKIP >** switch to the next / previous track of a CD when pressed briefly - when pressed longer, the search through the current track is accelerated.

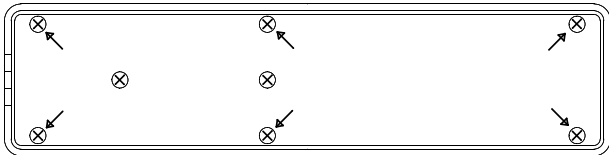
Pressing the keys **< STATION >** switches the digital inputs. If a digital input is selected, pressing the **PLAY** key will select the CD player. If a variable volume level is activated in the

Personal Setup Menu (see also section 3.1), the volume of the analog outputs of your CD 30.3 can be adjusted using the **VOLUME** keys on the RC 3 or RC 8 remote control.

NOTE: When using the RC 8 remote control (available as an accessory), sampling rate and filter can also be switched (< **FILTER** > keys). Furthermore, the number keys of the RC 8 can be used to directly select a specific title of a CD (one or two digits).

Please note the following if the remote control does not work properly: Always hold the remote control with the front end facing the device you want to operate. If the remote control is placed too far away from the device to be controlled, or if the batteries are dead or objects are placed between the remote control and the device to be controlled, the remote control may not function properly.

1.8.1 Battery replacement



Bottom of the RC 3 remote control

If the range of the remote control decreases significantly, new batteries must be installed. Remove the six screws on the bottom of the remote control marked with arrows (**ATTENTION:** do not open the two middle screws without arrow marking!) Now turn the remote control over and take out the bottom with the printed circuit board. Now remove the used batteries and replace them with two new ones of the same type (Lithium button cell 3V, type CR2032). Make sure that the polarity of the batteries is correct when inserting them (marking "+" upwards), otherwise the electronics may be damaged.

2 Operation

2.1 First power on / self test

If your CD player is completely disconnected from the power supply or switched off via the power switch (23), a so-called self-test is performed after switching on the device. The device checks the configuration and functionality of the installed components and then goes into stand-by mode. This process may take a few seconds.

2.2 Switching device on / off

With the on / off key (1) you can switch between operation and stand-by mode. In stand-by mode, the display (7) is deactivated and the operation indicator LED (6) lights up. As soon as your CD player is in operation, the operation indicator goes out and the display is activated.

ATTENTION: The device is not completely disconnected from the power supply in stand-by mode. To disconnect the unit completely from the power supply, press the power switch (23) at the back of the unit or pull the power cable out of the power socket (22).

2.3 Display

The display (7) shows you information about the current operating status of the CD player or the digital input in D/A converter mode. In addition to the display of the selected source such as CD player or digital input, the bottom line shows you the current settings of the D/A converter: On the left side the sample rate (e.g.: **96**), on the right side the current filter setting (**SMOOTH** or **STEEP**).

2.4 Volume adjustment: Fixed / Variable level

Depending on the selection of a fixed or variable volume level (see section 3.1.1), information about the current volume setting of the CD 30.3 is shown in the middle/upper area of the display (7). **VOL** indicates a variable output level, so you can adjust the volume of the analog outputs of your CD 30.3 using the **VOLUME** keys on the RC 3 or RC 8 remote control or by pressing the **INPUT** keys (2, 3) for a **long** time. **FIX**, on the other hand, indicates the selection of a fixed output level at the same place.

NOTE: When the variable volume setting is active, you can adjust the volume of the analog outputs of your CD 30.3 using the **VOLUME** keys on the RC 3 or RC 8 remote control or by pressing and holding the **INPUT** keys (2, 3).

2.5 Display in CD player mode

In the middle of the display you will see the total playing time of the CD in **STOP** mode. In **PLAY** or **PAUSE** mode the elapsed playing time of the current track is shown.

TRACK

On the left side you will see the current title (large digit) and the total number of available titles (small digit) of an inserted CD.

STATUS

The current operating status is displayed on the right side. (**STOP, PLAY, PAUSE**).

PROG

In case of title programming, the left area shows the currently played title in the program and the total number of programmed titles (e.g. **PROG 2/17**).

RND

In case of a selected shuffle, the left area shows the current position in the shuffle program and the total number of played titles (e.g. **RND 5/12**).

2.6 Display in D/A converter mode (digital input)

The name of the active input is displayed on the left. On the right **SIGNAL LOCKED** or **NO DIG SIGNAL**, if no signal is currently present at the selected input.

2.7 Input selection

In addition to the integrated CD drive, the CD 30.3 has a large number of digital inputs that can be selected using the two **INPUT** keys (2, 3). If no signal or an invalid signal is present at a selected digital input, the display shows the message **NO DIG SIGNAL** on the right side. Press the **PLAY** key (12) to return to CD mode.

2.8 Sample rate and filter settings

NOTE: This setting can be made in D/A converter mode without any restrictions. In CD player mode it only works if the CD player is in **PLAY** / or **PAUSE** mode. In **STOP** mode, the **PROG** key is used for title programming (see section 2.13).

Press and hold the **PROG** key (4). By additionally pressing one of the <**INPUT**> keys (2, 3) you can now select the sampling rate and filter setting for the currently active digital input. The currently selected sample rate will be displayed at the bottom left of the display (44.1, 48, 88.2, 96, 176.4, 192 kHz). The **NATIVE** display means that the applied sample rate of the signal is processed directly. **CONVERSION** on the other hand means that the signal is up- or downsampled to the selected sample rate.

You can select the **SMOOTH** and **STEEP** filter settings according to your tonal preferences. Depending on the signal being reproduced, different filter settings can produce optimal sonic results. Technically speaking, **STEEP** means a steep filtering at the end of the band with a flat amplitude frequency response but stronger phase shift than in the **SMOOTH** setting described below. **SMOOTH** filters less steeply and has a smaller amplitude drop before the end of the band, but a smaller phase shift. The selected filter setting is only valid for the current input and remains stored even after the unit is switched off,

NOTE: With the RC 8 on the optionally available RC 8 remote control, the filter setting can be made using the <**FILTER**> keys.

2.9 Compatible CD Formats

The CD 30.3 is suitable for playing all 'Red Book' compliant audio CDs. Red Book is an audio CD standard established by Philips and Sony. Furthermore, self-burned CDs can also be played as long as they comply with the 'Red Book' standard.

NOTE: Some manufacturers produce CDs that do not comply with the Red Book standard for copy protection reasons. We (and many other equipment manufacturers) cannot guarantee that such CDs will play properly. If you have purchased such a CD, you can return it to your dealer (even if you have already opened the package!) However, you can only do so if the CD case does not clearly show a notice on the CD that it is copy protected and that the CD does not conform to the standard.

ATTENTION: Do not use mats or stickers placed on the CD. These can cause imbalance and impair music playback or interfere with the drive mechanics. We also advise against the use of small 8cm CDs and Shape CDs. These could get stuck in the drive and cause defects in the mechanics.

2.10 Inserting / Ejecting the CD

Insert

The CD 30.3 has a slot (8) instead of the usual drawer, through which the CD is inserted. Slide the CD into the slot with the (silver reflective layer facing down). It will now be pulled in automatically. The player then reads the CD's table of contents and displays it. The current title is displayed on the left and the total number of titles is displayed next to it (e.g.: **1/17**). In the middle of the display the playing time is shown.

NOTES: If there is already a CD in the drive, the slot is blocked. and inserting another CD is not possible. If the inserted CD cannot be read or if a data CD or DVD is inserted by mistake, the **NO AUDIODISC** display appears and the CD is ejected again immediately.

Eject

To eject the CD, press the **EJECT** key (13). If no CD is inserted, the **NO DISC** display appears and the key has no function.

AUTO-PLAY function

If the CD player is not selected as source, the CD 30.3 automatically switches to CD mode when a CD is inserted and reads the CD. If this autoplay function is activated (see section 3.1.2) the playback process will start automatically afterwards.

Playing CDs

If a CD is inserted, start the playback process by pressing the **PLAY/PAUSE** key (10). Press this key again to pause the CD 30.3. A further press resumes the playback process. Pressing the **STOP** key (10) stops the playback.

The respective operating status (**PLAY**, **PAUSE**, **STOP**) is shown in the display (7).

2.11 Function of the SKIP keys

With the **SKIP** keys (11, 12) you can select a certain title during **PLAY** or **STOP** (short tap), or search for a certain position within the current title by pressing and holding for a longer time during playback. These keys have no function in the **PAUSE** state.

NOTE: A fast search across title boundaries is not possible, so the search stops automatically at the end of the current title and switches to the **PAUSE** state.

2.12 Repeating CD tracks (Repeat)

By pressing the **REPEAT** button (5) you can select whether either the current track (press once) or the entire CD or programmed sequence (press twice) is repeated. The selected setting is shown on the right side of the display (**RP ONE / RP ALL**). As soon as the **REPEAT** button is pressed again, the repeat function is deactivated.

2.13 PROG key (title programming and filter setting)

The **PROG** key (4) has different functions depending on the operating status of the CD player:

- If no CD is inserted, the key has **no function**
- When the player is in **PLAY** or **PAUSE** mode: **Filter setting** (see section 2.8)
- If a CD is inserted and the player is in **STOP** mode: Title programming

2.13.1 Title programming, random playback (only in STOP state)

Press the **PROG** keys (4) to enter the programming menu.

Press the **STOP** key (9) to exit the programming menu.

By pressing the **PROG** key (4) again, a **random playback sequence (RANDOM)** is automatically programmed.

Press the **PLAY/PAUSE** key (10) to enter the **title programming**:

On the left side of the display (7) the title number (**TRCK**) of the new title to be programmed is shown. It can be selected with the two **SKIP** keys (11, 12). Below this the length of this title is displayed (**TIME= xx:xx**).

Use the **PLAY/PAUSE** key (10) to insert the title into the program. The display (7) shows the total number of already programmed titles in the upper right line (**PGM-QTY xx**). Below this the display shows the total programmed playing time (**TOTAL xx:xx**).

With the **PROG** key (4) the program is stored. A possibly previously set repeat function is deleted. By pressing the **STOP** key (9) you leave the programming menu without storing the program.

2.13.1 Programming (Example)

The inserted CD contains all tracks, but only intend to play tracks 7, 3 and 8 in that order.

- Press the **PROG** key (4) then the **PLAY/PAUSE** key (10) to enter the programming menu. Since no titles have been programmed yet, the top line of the display will show **PGM-QTY 00** (right), **TRCK 01/15** (left).
- Use the **SKIP** keys (11, 12) to select the title number 7 (display: **TRCK 07/15**).
- Now insert the title into the program using the **PLAY/PAUSE** key (10).
- Now use the **SKIP** keys (11, 12) to set the title number 3 (**TRCK 03/15**)
- Use the **PLAY/PAUSE** key (10) to insert the title into the program.
- Now set the title number 8 with the **SKIP** keys (11, 12) (**TRCK 08/15**)
- Use the **PLAY/PAUSE** key (10) to insert the title into the program.
- Finally press the **PROG** key (4). The title programming is now active and can be played back with the **PLAY/PAUSE** key (10).

NOTE: The maximum number of titles to be programmed is limited to 99. The maximum program duration is limited to 99 minutes and 59 seconds.

Deleting the programming

To delete a programming, press the **PROG** key (4) and then the **STOP** key. Ejecting a CD or switching off the machine also erases a programming. However, when switching to another source, a programmed track sequence is retained.

3 Advanced settings

3.1 Personal Setup

In addition to its basic functions, the CD 30.3 has a wide range of options for individual adaptation to your personal requirements. These functions are accessible via the **Personal Setup** menu. To call up the **Personal Setup**, switch off the CD 30.3 completely using the power switch (23) on the back of the device. Now hold down the **PROG** key (4) and switch the unit on again with the power switch (23). As soon as the display shows ***** personal setup *****, the **PROG** key (4) can be released.

Use the two **INPUT** keys (2, 3) to select the desired setup point. Use the **SKIP** keys (11, 12) to make the desired setting. Press the **STOP** keys (9) to exit the **Personal Setup** menu (**EXIT**). Then the CD 30.3 must be switched off completely using the power switch on the back of the unit (26) and switched on again after a short waiting period. The settings made are permanently stored, but can be adjusted at any time by calling up the **Personal Setup** again.

3.1.1 Volume control

Choose between a fixed (**fixlevel**) or variable (**variable**) volume level of the analog outputs (14-16). When selecting a variable output level, the volume of the analog outputs of your CD 30.3 can be adjusted by long pressing the < **INPUT** > keys (2, 3) or by using the **VOLUME** keys on the RC 3 or RC 8 remote control. The RC 8 also allows you to mute / activate the outputs with the **MUTE** key.

In the middle of the upper display line the current volume value is displayed (e.g. **VOL 75**). In contrast, **FIX** indicates the selection of a fixed output level at the same position.

NOTE: If a digital input is selected where no valid signal is present (**NO DIG SIGNAL**), the volume function is disabled.

3.1.2 Autoplay

If the **autoplay** function is activated, the unit will automatically start the playback process after inserting a CD without the need to press the **PLAY** key first. If necessary, the unit will automatically switch from the currently selected input to CD mode. This function is activated (on) in the factory setting. If the **autoplay off** setting is selected, the CD will be read after insertion, but the drive will not play it automatically but will go into **STOP** state.

3.1.3 Skip unused inputs

If you do not need all digital inputs of your CD 30.3, the unused inputs can be deactivated (**skipped**). When selecting the source, all inputs defined as **SKIPPED** are automatically skipped and cannot be selected via remote control. The settings can be cancelled at any time by calling up the personal setup again (**active**).

3.1.4 Define input names

With the menu item **define input names** you can change the displayed names of the inputs as you like. A name contains a maximum of 8 characters.

With the two **INPUT** keys (2, 3) you select the desired input. In the left half of the display the current name of the selected input is shown, in the right half the new name is displayed. The edited character is marked with an underline. With the **REPEAT** key (5) you determine the position of the character to be changed, with the **SKIP** keys (11, 12) you set the desired character.

3.1.5 Reset (Factory settings)

The **RESET** menu offers you the possibility to reset the device to the original delivery state. You can choose to reset all settings (**ALL**) or only the input names (**NAMES**).

To call up the **RESET** menu, switch off the CD 30.3 completely using the power switch (23) on the back of the unit. Now press and hold both **REPEAT** keys (5) and **STOP** (9) simultaneously and switch the unit on again with the power switch (23). As soon as the display shows **RESET**, the two keys can be released again.

Choose if you want to delete only the input names with the **PAUSE** key (**NAMES**) or if you want to reset the unit to the factory settings by pressing the **PLAY** key (**ALL**).

By pressing the **STOP** key you can leave the **RESET** menu without resetting the device (**CANCEL**).

Please note that the CD 30.3 has to be switched off completely after a **RESET** procedure using the power switch on the back of the unit (26) and switched on again after a short waiting period for further operation.

4 Appendix

4.1 Care of the housing

The surface and the printing on the housing are largely scratch-resistant. The CD 30.3 can be cleaned with mild soapy water or a gentle glass cleaner and a soft duster.

ATTENTION: During cleaning, liquid must never be allowed to enter the interior of the housing. In addition, for safety reasons, the power cord should be disconnected before wiping the CD 30.3 with a damp cloth. Do not use any solvents or abrasive cleaners that could damage the surface or printing on the housing.

4.2 Troubleshooting

Often alleged defects can be traced back to operating errors, sometimes other devices connected to the CD 30.3 are also responsible for a malfunction. Before you contact your dealer or us about a defect, please check the following list to see if you can correct the malfunction yourself.

1. No music playback

- a) The **MUTE** function (via remote control RC 8) is active. Deactivate it.
- b) Accidentally switch to stand-by. Press the power key (1).
- c) If the display (7) is dark and the blue LED (6) is not lit, the mains fuse may be defective. Since this is usually caused by a defect of the power supply unit or the other electronics (e.g. due to lightning), please contact your dealer.

2. Remote control without function

- a) The batteries of the remote control are flat. Please replace the batteries (see section 1.8.1).
- b) There is no direct connection between the remote control and the unit or the distance is too great. One of the protective circuits of the unit (e.g. overload, overtemperature, short circuit) has responded. Please contact your specialist dealer.

3. A CD was inserted, but "no disc" appears in the display

- a) Es wurde entweder eine verschmutzte oder defekte CD eingelegt oder die CD wurde falsch herum eingelegt (Etikettenseite nach unten statt nach oben).

4.3 Conditions of warranty (EC only)

If despite expectations a defect occurs that cannot be repaired by yourself or your dealer, we undertake the repair of your unit free of charge for up to three years from date of purchase. The warranty covers the costs of material and working time, transport costs are to be borne by the owner.

Provisions for this warranty are:

- The unit must have been purchased from an authorised dealer. Equipment from other sources will not be repaired, not even at charge.
- The warranty registration card, together with a copy of the bill of sale, must be received by us within four weeks of the date of purchase.
- The defect must not have been caused by improper handling or misuse.
- Return the unit to us only in its original packing. If this is not possible, we are entitled to refuse acceptance. We will not assume responsibility for transport damage under any circumstances.
- A short description of the defect is to be included with the returned unit.
- In cases of doubt we reserve the right to request a copy of the bill of sale.
- We also reserve the right to levy a handling charge for items returned without good or valid reason, or if the unit proves to be not defective.

NOTE: If you are returning the unit from a country other than Germany you should ensure that correct export documents are obtained. We cannot accept any charges for costs arising from improper or incomplete export documentation.

If you have purchased your unit from a dealer outside Germany, please refer to him or the relevant importing firm to process the warranty.

4.4 Specifications

4.4.1 Digital inputs

Input impedance Coax / XLR	75 Ohm / 110 Ohm
Input format Coax / XLR	S/P-DIF, 32 kHz - 192 kHz / 16 - 24 Bit
Input format Optical	S/P-DIF, 32 kHz - 96 kHz / 16 - 24 Bit
Sampling frequency	Native, 32 kHz - 192 kHz / 16 - 24 bit up/downsampling, switchable 44.1 kHz - 192 kHz / 24 bit
Deemphasis	yes, automatic

4.4.2 Digital outputs

Output impedance Coax	75 Ohm
Input format Coax	S/P-DIF, as input format, max 192 kHz / 24 Bit
Input format Toslink	S/P-DIF, as input format, max 96 kHz / 24 Bit

4.4.3 CD-Player

CD-Formate	CD Audio, CDR (according to Red-Book-Standard)
Frequenzgang CD	<20 Hz – 20 kHz

4.4.4 Analog outputs

Output voltage	2.5 V
Frequency response	DC - 96kHz (depending on the input signal and selected filter setting, the upper cut-off frequency may be lower)
Signal-to-noise ratio	115 dB / 117 dB(A)

4.4.5 Miscellaneous

Power supply	100 V - 240 V, 50 - 60Hz
Power consumption in operation	typ. 11W
Power consumption in stand-by mode	< 0.5 W
Dimensions (W x H x D)	430 x 110 x 320 mm
Weight	6 kg

Changes reserved without notice.
2020/09/23.