EVOLUTION

CS 3.3 / CS 5.3

Instruction Manual

Tubular Bells
Mike Oldfield
8:09   48:57

Handcrafted in Germany

Caution

This device contains a class 1 laser diode. Please do not open the housing or other covers at any time, otherwise invisible laser light could damage your eyes. All maintenance must be left to qualified service personnel.

Laser diode type   :   Ga-Al-As
            Wavelength   :   755 - 815 nm (25 °C)
            Laser power   :   max. 0,7 mW
                                              (continuous power)

CLASS 1 LASER PRODUCT
LASER CLASS 1
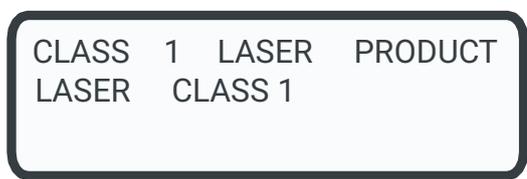
Declaration of Conformity

We confirm that the device to which these operating instructions belong complies with the EC directives valid at the time of printing for obtaining the mark. The necessary tests have been carried out with positive results.

CE

entspricht. Die notwendigen Prüfungen wurden mit positivem Ergebnis vorgenommen.

APP: RC X

AVM RC X

GET IT ON
Google Play

Download on the
App Store

AVM Audio Video Manufaktur GmbH
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MAKING OF AVM
on www.avm.audio

We welcome you to AVM!

We are pleased that you have chosen an audiophile masterpiece from AVM and thank you for your trust. With the EVOLUTION CS 3.3/5.3, you have acquired a sonically outstanding and versatile high-end component with a far-reaching range of functions. In the following document, we would like to explain the use of your EVOLUTION CS 3.3/5.5 All-in-One system in a comprehensive way and therefore ask you to take a little time to study this manual in detail.

Please note: As the functionality of your EVOLUTION CS 3.3/5.5 can be extended in no time by future software updates, it is naturally that the present manual must also be supplemented. The latest version of these operating instructions is therefore available for free download from our website at www.avm.audio.

And finally, the most important thing: We at AVM and our dealers are always happy to help you. If you have any questions, requests or suggestions, please contact us at any time. And if you are satisfied with us: Feel free to recommend us to others.

Udo Besser – AVM Owner and Managing Director

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1.1.4 Pair of white gloves
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1.1.6 Optionally available RC 9/10 RF/IR radio remote control with color display

NOTE: After unpacking, please check the CS 3.3/5.3 unit, accessories for completeness and/or damages which may have occurred during transport and shipping. If the original packaging has already been opened, please contact your specialist dealer. Often a dealer will prepare your new device for use in your network before delivery. In addition, we deliver all of our network-capable devices with a current version of the streaming software, which may, however, has to be updated again during the initial installation (for details on updating the streaming software, please refer to Section **Error! Reference source not found.**).

1.2   Overview

In this manual, there are numbers behind the names of the individual elements, which refer to the following drawings.
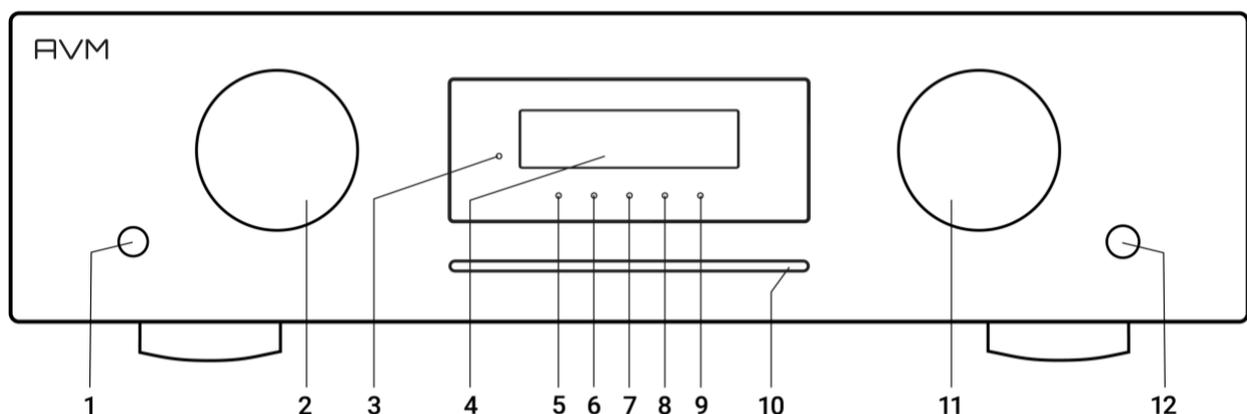
1	On-/Off switch	7	Menu button 3 with LED
2	Source selector	8	Menu button 4 with LED
3	Status LED	9	Menu button 5 with LED
4	O-LED display	10	CD slot
5	Menu button 1 with LED	11	Volume selector
6	Menu button 2 with LED	12	Headphone output
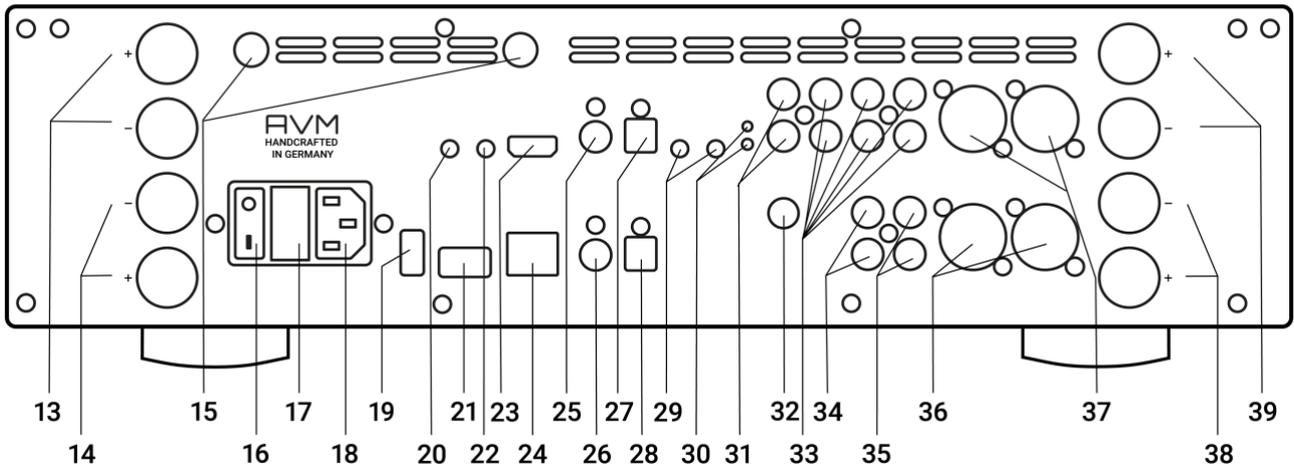
13	Speaker terminal A right	27	Optical digital input
14	Speaker terminal B right	28	Optical digital output
15	WLAN/Bluetooth antennas[1]	29	Trigger output (2x) (3,5mm)
16	Main switch on/off	30	RESET button (with LED)
17	Primary fuse	31	Phono input
18	AC mains	32	Phono ground connection
19	USB input (hard/flash drives)[2]	33	Analog inputs (RCA)
20	Trigger input (3,5mm)	34	Recorder output (LINE-OUT)
21	USB port for RC9/10 dongle	35	Preamplifier output (PRE-OUT)
22	External IR input	36	XLR Preamplifier output (PRE)
23	HDMI-ARC input	37	XLR Analog input
24	Ethernet (LAN)	38	Speaker terminal B left
25	Coax digital input	39	Speaker terminal A left
26	Coax digital output		

1.3   Installation and cooling

The power amplifiers of your CS 3.3/5.3 need cooling. Therefore, it is very important that the air intake from below as well as the outflow of the heated air to the rear panel remains unobstructed. Make absolutely sure that the CS 3.3/5.3 is placed as free as possible on a solid base. The ventilation slots on the underside of the unit must not be closed to avoid overheating. In addition, the CS 3.3/5.3 should be protected from direct sunlight.

1.4   Power connection

Connect the supplied power cable to the mains power connector (18) and to a grounded socket.

NOTE: Please leave the unit switched off for the time being (mains switch (16)) in zero position until you have made all cable connections to the rest of the system. Additionally, please pay attention to the phase labeled on the unit.

[1]**NOTE:** Both antennas are identical in construction and can each be installed at both antenna connections (15).

[2]**IMPORTANT:** ~~The USB interfa~~ce is only intended for USB sticks/flash drives or hard disks.

1.5 Connecting analog signal sources

Connect analog signal sources to the analog inputs (31, 33, 37) using suitable cables. For the RCA inputs, the left channel is connected to the upper row, the right channel to the lower row.

1.5.1 Line level sources (RCA, XLR)

Connect analog line level sources with appropriate RCA or XLR cables. The corresponding cables can be purchased directly from your dealer.

1.5.2 Phono input

The record player (turntable) is connected to the phono input (31). Connect the grounding cable to the phono ground connection (32). The phono input is suitable for MM systems and loud to medium-loud MC systems. After selecting the phono input, you can select either an MM or MC system in the MENU (menu key (7)) under the option "Phono pickup". Depending on the design principle of the pickup system used, select either MM for electromagnetic transducers (MM = moving magnet) or MC for or electrodynamic transducers (MC = moving coil). Please refer to the corresponding documentation of your turntable or cartridge to find out whether your cartridge system works according to the MM or MC principle. Please note that the MM setting could also be a good sounding option for a "loud" MC system. For more information, please refer to the operating instructions of your turntable or cartridge.

For more detailed adjustments of the pickup system, please refer to the additional options provided for setting the terminating impedance or terminating capacitance in the settings menu (see section **Error! Reference source not found.**).

1.6 Connecting digital signal sources

Connect digital signal sources to the digital inputs (23, 25, 27) using suitable cables.

1.6.1 Koaxialen oder optischen Digitaleingang

Connect your CS 3.3/5.3 with a suitable TOSLINK or COAX cable.

1.6.2 HDMI ARC (Audio Return Channel)

When using an ARC-compatible TV, all you need is a suitable HDMI cable for inputting audio signals from the TV and for transmitting HDMI control signals. Simply connect your ARC-capable TV to the ARC input (23) on your CS 3.3/5.3.

NOTE: The HDMI port is an audio input only and is not suitable for image reproduction.

CAUTION: Only stereo audio signals can be processed via the HDMI ARC. Therefore, please make sure to switch your source device (e.g. your TV) to the PCM audio track (not Dolby or DTS).

1.7 Connecting analog recording devices

To operate an analog recording device, connect its inputs to the CINCH LINE analog output (34). Connect the analog outputs of the recording device to one of the high-level inputs (33).

1.8 Digital Output: Connecting digital recording devices

To operate a digital recording device, connect it to the optical or coaxial digital outputs (26, 28). Depending on the selected sound source, the digital output carries the corresponding signal (i.e. **CD Player, DIG OPT, DIG COAX**, etc.).

The digital outputs can easily be switched to "volume controlled" and used as "digital **PRE OUT**".

1.9 Connecting a subwoofer

A subwoofer can be connected to the balanced CINCH or XLR outputs (**PRE OUT**) using an appropriate cable (35, 36).

1.10 Connecting loudspeakers

The speaker outputs of the CS 3.3/5.3 are equipped with gold-plated banana jacks. To connect your loudspeakers, respective cables with corresponding plugs are required. Alternatively, spade connectors or free cable ends can also be used. These are connected to the speaker outputs (13, 14, 38, 39) of the CS 3.3/5.3. Use only speaker cables of good quality and sufficient cross-section to connect the speakers. In case of doubt, ask your dealer to recommend the best cable for your loudspeaker. The A/B output circuit allows you to connect a total of two pairs of loudspeakers. The minimum impedance of each speaker must not be less than 8 ohms.

Pay attention to the A/B circuit markings on the speakers and always connect a pair of speakers to A or B only. Also note the correct color polarity when connecting the speakers. The output sockets of the CS 3.3/5.3 marked in red must be connected to the speaker terminals marked in red. Right and left channel must have the same polarity of the speakers.

1.11 RC Remote Control

The optionally available **RC 9/10** remote control allows you to control your AVM device conveniently and comprehensively. Before both components can be used together, they must first be paired with each other. This one-time process is called **Pairing** and sets up a wireless connection between the RC 9/10 remote control and your device (see section **Error! Reference source not found.**). For a detailed description of the entire functional scope of the **RC 9/10** remote control, please refer to a separate operating manual at **www.avm.audio**.

1.11.1 Pairing

Pairing is the process of establishing a wireless connection between an **RC** 9 / 10 remote control and your device.

There are two ways to start the pairing process:

a) You can start pairing via the RC X app from AVM. You can find the **Start Pairing** option in the Settings under the **RC 9/10 Remote Control** item. Once you have started the pairing process via the app, you need to start the pairing process in the **RC 9/10 remote control** shortly after using the navigation buttons as well.

b) To start the pairing process without the RC X app, switch on the device via the power switch on the power switch on the back of the device (16). Then navigate in the menu of the RC 9/10 remote control, use the upper or lower navigation button to navigate to the menu item **Start Pairing**, but without selecting it by pressing the **Enter** key. First switch the device on again using the power switch on the rear panel (16) and then immediately press the Enter key of the RC 9/10 remote control to start the pairing process. After a short search process, the name of a successfully detected device is shown in the display of the remote control and can be further adjusted via the input keys. In addition, it is possible to assign one of four hotkeys to the device (details on how to use the hotkeys can be found in a separate RC 9/10 user manual on the AVM website at www.avm.audio.) By pressing the Enter button on the RC 9/10 again, the pairing process is completed.

NOTE: To use the RC 9/10 remote control, an additional USB dongle must be purchased (surcharge applies).

1.12 RC X App for iOS Android

The RC X App for iOS and Android turns your smartphone or tablet into a handy remote control and offers a variety of intuitive functions for using all streaming-capable models from AVM with integrated AVM X-STREAM Engine®. The RC X App is available for free download from the Apple App Store and the Google Play Store.

1.13 Network installation (LAN, WLAN)

To use the extensive streaming and network functions such as Spotify Connect®, AirPlay, TIDAL, QOBUZ, HIGHRESAUDIO, web radio, podcasts or music-server, your device must be connected to your home network or the Internet via a router. For this purpose, you can choose between a wired LAN connection via the network connection (24) or a wireless WLAN connection (WiFi) via the supplied WLAN antenna. When mounting the supplied WLAN antenna onto the corresponding WLAN antenna connector (15), please make sure that the antenna is straight aligned.

LAN VS. WLAN:
If you have the choice between a wired LAN or wireless WLAN connection, we generally recommend using a wired LAN connection, which usually allows a higher bandwidth and is also less susceptible to interference and more independent of the data traffic of your entire network.

NOTE: All AVM devices with integrated AVM X-STREAM Engine® prefer a wired network connection (LAN)) and will automatically access it as soon as a network cable is installed on the device and the WLAN connection is automatically switched off. For a smooth continuous operation via a wireless WLAN connection, remove any connected network cable (LAN) from the network connector (24). Otherwise, the device will re-establish a wired network connection even during operation, as this is preferred to the WIFI by the device.

The device also re-establishes a wired ethernet connection during operation, as this is preferred by the device over WLAN.

Proceed as described below to start the installation of a wired or wireless network connection.

1.13.1 Setting up a wired network connection (LAN)
All AVM devices with integrated AVM X-STREAM Engine® are hot-pluggable. That means that to establish a wired network connection, it is not necessary to restart the AVM device or switch it off and on again, but a network cable (LAN cable) can be connected during operation and a network connection is established immediately.

a) Connect the device to a router in your home network using a network cable (LAN cable) by connecting the LAN cable to the network port of the AVM device (24) on one side and to a free port on your router (LAN) or a network switch on the other side.

b) The device will automatically connect to your home network via the connected LAN cable and is ready for use.
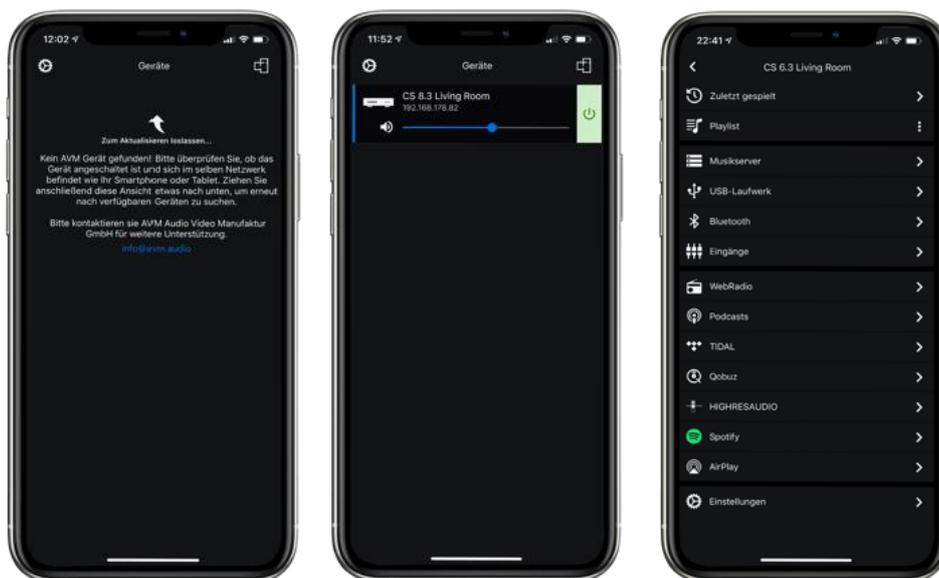
c) Make sure your smartphone or tablet is connected to the same network/WLAN as your AVM device and start the RC X App. After a short startup process, the RC X app will automatically search for available AVM devices in your network and list them with their respective device name and IP address. You can recognize an IP address by a sequence of numbers separated by several dots. An IP Address often starts with „192.168.xxx.x", for example.

d) Select an available device from the list by tapping on it and wait a short moment until a connection between your smartphone or tablet and the device is established.
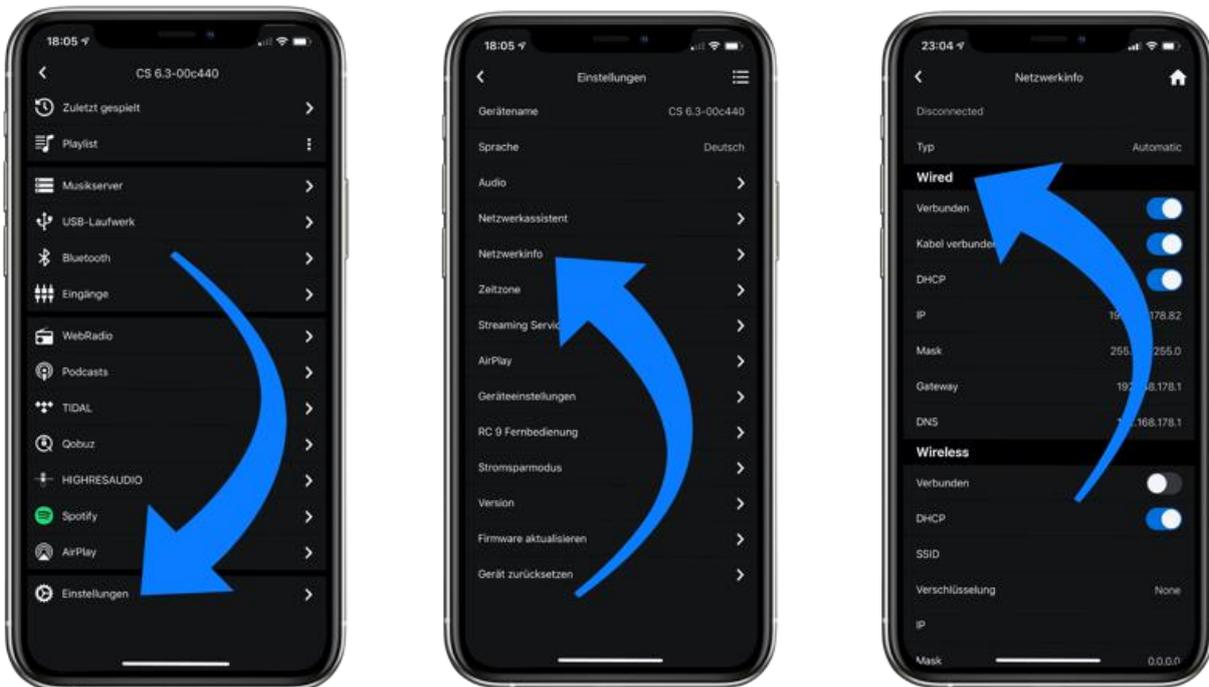
NOTE: If you do not see an available device, check whether the network cable is installed correctly and that the AVM device is on the same network/WLAN as your smartphone or tablet. Then drag the view in the **RC X App** down a bit to search for available devices again. Please also note that the **RC X App is** only compatible with AVM models with integrated AVM X-STREAM Engine®. A current model overview can be found at: **www.avm.audio/rc-x-app**.

e) To check the network status, launch the RC X App and select the AVM device.

f) In the settings, call up the **Network Info** menu item. In the Wired section you can view details about the network connection that has been made.

1.13.2 Setting up a wireless network connection (WLAN / WiFi)

To set up a wireless network connection (WLAN/WiFi), you have various options are available:

✓ WPS
✓ AirPlay configuration für iOS
✓ RC X App for Android & iOS via WiFi Access Point (appears as Softap xx.xxxx)
✓ RC 9 remote control

1.13.2   Setup via WPS

WPS (Wi-Fi Protected Setup) is a standard to easily and securely establishing a wireless network connection with encryption. To set it up, you only need a WLAN router with WPS function. To find out if your WLAN router is equipped with WPS, please refer to your router's documentation of your router. The setup of a WPS connection is done via the **Personal Setup** menu of your AVM device. For details on the full functionality of the **Personal Setup** menu, see section **Error! Reference source not found. Personal Setup**.

a) To enter the **Personal Setup** menu, press and hold the button below "MENU" (7) until "**SETUP**" appears instead of "MENU" and then release the key.

b) In the **Personal Setup** menu, individual menu items can be selected with the menu keys (5) and (6) and activate them with the **SELECT** menu key.

c) Now use the menu keys (5) and (6) and the key under SELECT to select the menu item WPS.

d) Activate the WPS function by pressing the START menu key. The display shows the display WPS in progress.

e) Now activate the WPS function on your WLAN router within two minutes.

f) As soon as your AVM device has successfully established a WLAN connection via WPS, the name of the connected WLAN is shown on the display, e.g.: Joined WLAN: WLAN name (SSID).

g) To finish the process, press the BACK menu button and then exit the Personal Setup menu by pressing the EXIT menu key. Now your device is back in the normal operating state.
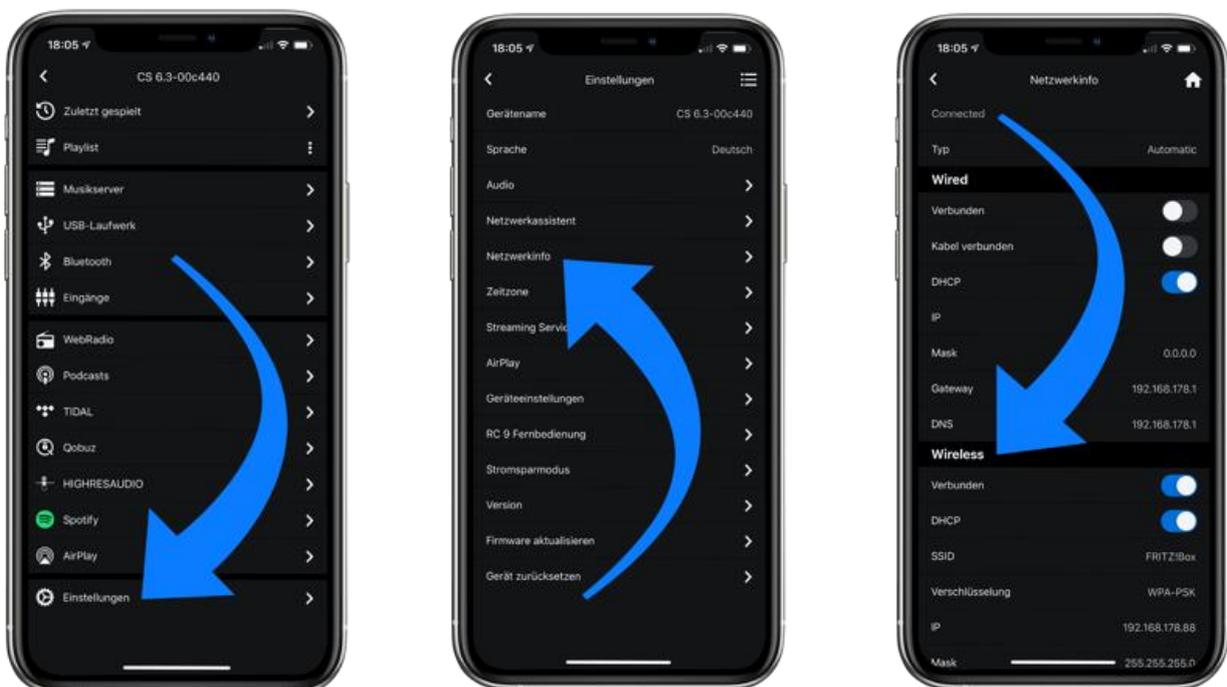
h) Your AVM device is now integrated into your local wireless network (WLAN/WiFi) and is ready for operation.

i) To check the network status, launch the RC X app and select the AVM device.

j) In the settings, call up the Network Info menu item. In the Wireless section you can view details of the WLAN configuration that has been performed.
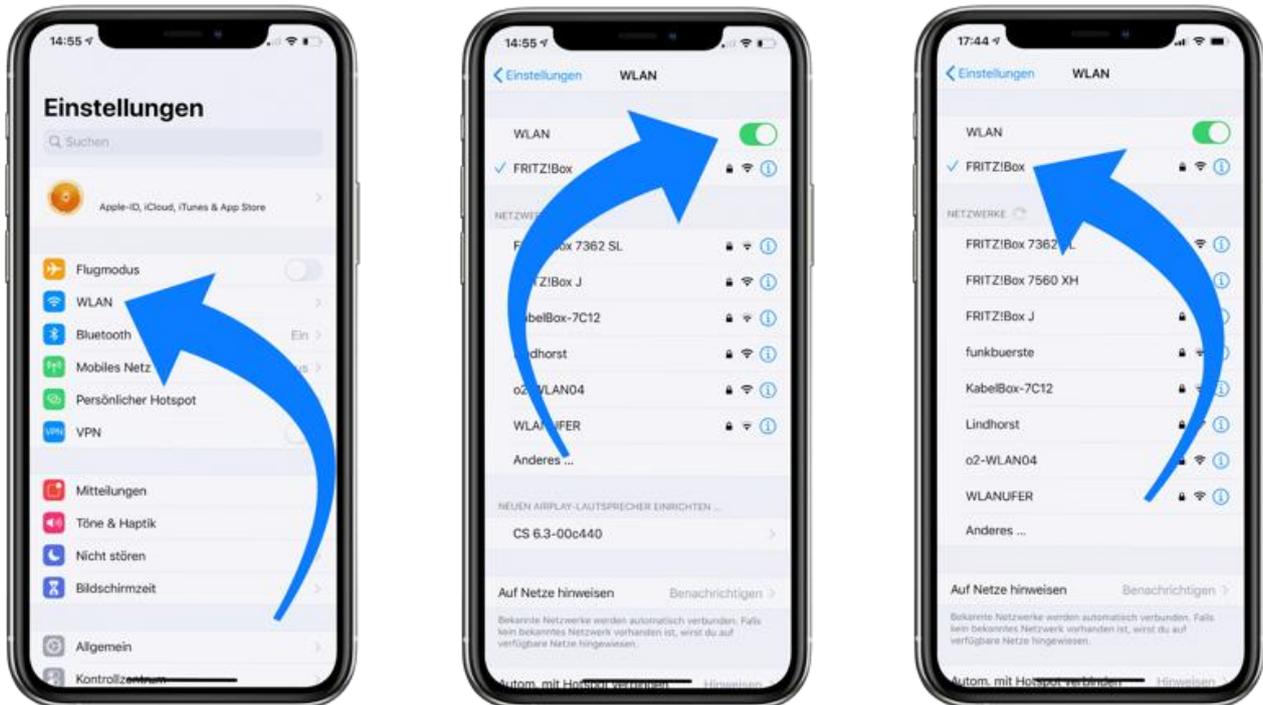
1.13.3   Setup via AirPlay configuration for iOS

a) First switch off the AVM device completely via the power switch on the back (16) and wait a short moment until you switch it on again via the power switch.

b) As soon as your AVM device has completed the start-up process and is in the general operating state, call up the WLAN menu in the settings of your iPhone or iPad. Make sure that the WLAN function is switched on and your iPhone or iPad is connected to the desired WLAN.

c) In the WLAN menu, under the SET UP NEW AirPlay Speaker menu item, select the AVM device that you want to connect to your WLAN. In the example above, the AVM device is listed as CS 6.3-00c440. Wait a moment if the device is not displayed immediately. Your iPhone or iPad continuously searches for new devices and updates the view of available WLAN networks at short intervals. If necessary, repeat the power on the AVM device as described above if the AVM device does not appear even after a short wait.

d) In the following AirPlay Configuration menu, check whether the desired WLAN is selected under NETWORK and, if necessary, change the device name for your AVM device under Speaker Name. Optionally, set a password. Then start the connection process by clicking Next. The WLAN access data including the password will now be automatically transferred from your iPhone or iPad to your AVM device. As soon as the configuration is finished, you will receive a corresponding feedback, which you acknowledge with Done. Your AVM device is now integrated into your WLAN and ready for operation.
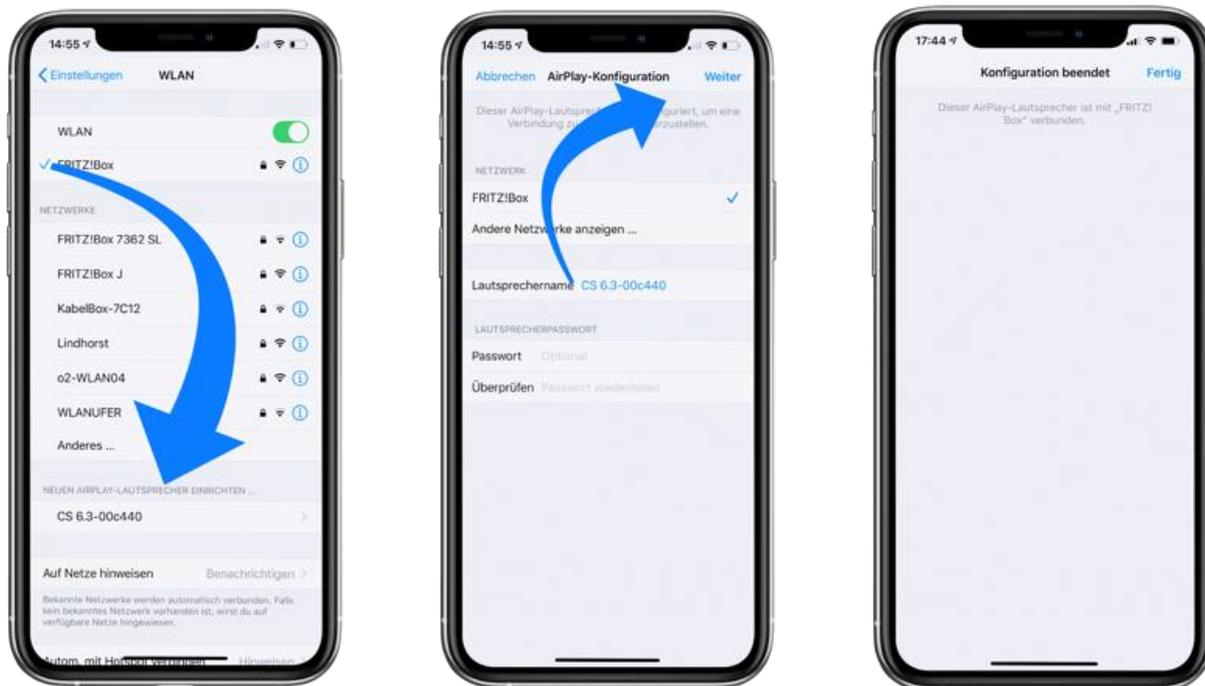
e) To check the network status, download the RC X app for iOS from the Apple App Store and install it on your iPhone or iPad. Then launch the RC X app and select the AVM device from the Start menu.

f) In the Settings, go to the Network Info menu item. In the Wireless section, you can view details of the WLAN configuration that has been performed.
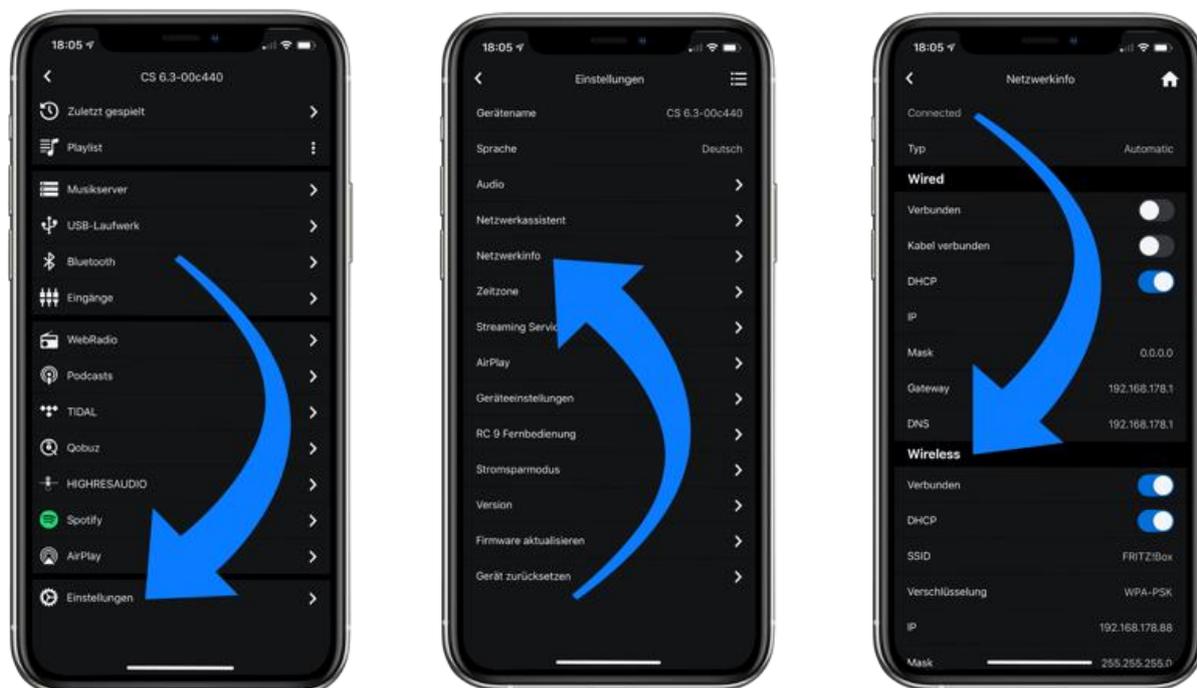
g) Use Scan to search for available WLAN networks and select the desired WLAN as soon as it is displayed in the search results. In the example below, the WLAN network has the name FRITZ!Box. A WLAN network name is also called SSID.

h) Enter the network key (WLAN password) for the WLAN network and complete the setup by clicking Connect
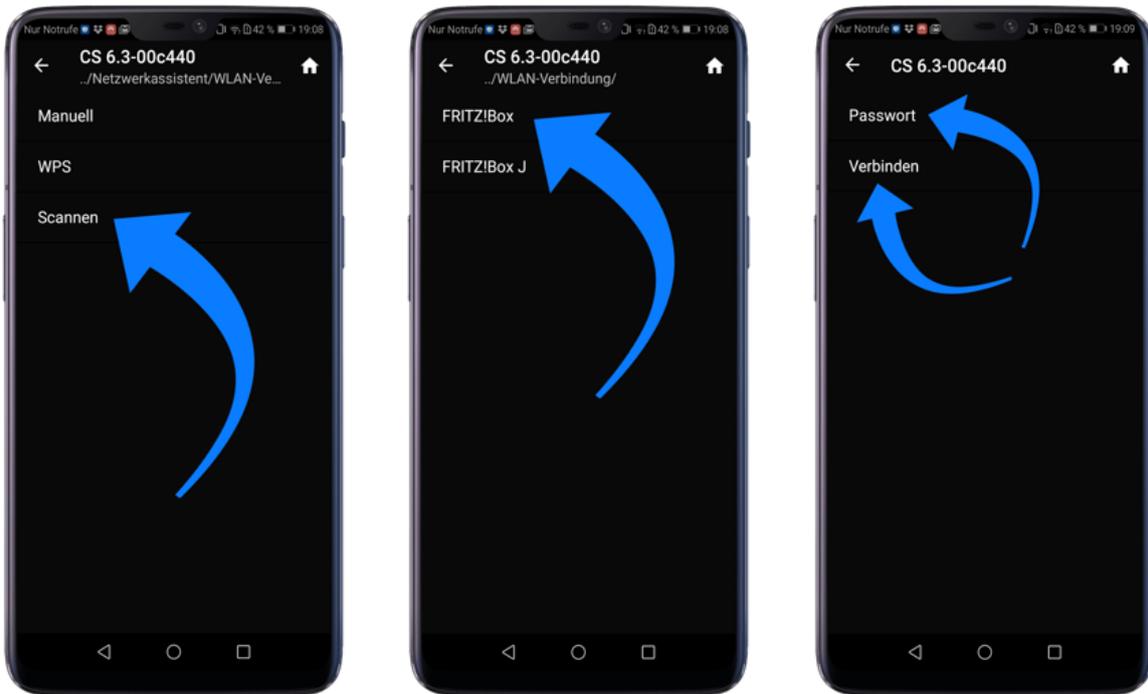
i) Call up the Network info menu item in the settings. In the Wireless section, you can view details of the WLAN configuration that has been performed.

1.13.4   Setup via optional RC 9/10 remote control

Before you can set up a wireless WLAN connection via the RC 9/10, both components must first be connected to each other components must first be connected to each other. This one-time process is called pairing and is described in section 1.11.1. A detailed description of the entire functional scope of the RC 9/10 remote control can be found in a separate user manual at **www.avm.audio**.

a) First perform the pairing procedure as described in section 1.11.1 and then select the newly set up AVM device on the RC 9/10 using the Select device menu item. You can reach this menu item via the System Menu, which you can access by pressing the Settings button (tool icon) on the RC 9.

b) On the RC 9/10, select the Settings menu item in the main menu by pressing the upper or lower navigation key several times.

c) By pressing the Enter key, select the Network Wizard menu item and then WLAN Connection.

d) By subsequently selecting the Scan menu item, your AVM device searches for available WLAN networks and lists them in an overview.

e) Select the desired WLAN network and, after pressing Password, enter the network key (WLAN password) using the input keys of the RC 9/10.

f) Confirm the entered network key (WLAN password) by pressing the Enter key and select Connect.

g) In the following overview Network info, details on the WLAN configuration are displayed in the Wireless section.

1.14 Software & Firmware Updates

For maximum ease of use and to get the most out of your device, it is necessary to keep both the firmware of the integrated AVM X-STREAM Engine® and the RC X App up-to-date. You can find the latest version of the RC X App for download in the Apple App Store or the Google Play Store. To check the installed AVM X-STREAM Engine® firmware version, use the RC X App or the optionally available RC Remote Control. Also, make sure that your device has an active Internet connection before performing either of the following steps (see Section 1.13).

1.14.1 AVM X-STREAM Engine® Update via the RC X App

a) In Settings, go to the Update Firmware menu item and select **Check for Online Update**.

b) If a new version is available under SW Update or Host Update, install it via **Update Firmware.**

c) The device restarts to install the update. Do not switch off the device under any circumstances and wait until the update is completely installed. The update process may be shown on the display of the device.

d) As soon as the update process is complete, the device restarts and is ready for use again.

e) Call up the settings of the RC X app. In the **Version** section, you can view details about the currently installed firmware version.

To install a software update via a USB stick, please consult your dealer who will be happy to assist you with the update.

1.14.2 AVM X-STREAM Engine® update via the RC X App

a) Select the desired AVM device on the RC 9/10 via the menu item Select device. You can reach this menu item via the System Menu, which you access by pressing the Settings button (tool icon) on the RC 9.

b) Select the menu item Settings in the main menu of the RC 9/10 by repeatedly pressing the upper or lower navigation key.

c) Call up the Update firmware menu item and select Check for online update. You do this via Update Firmware.

d) If a new version is available under SW Update or Host Update, install it via Update firmware.

e) The device restarts to install the update. Do not switch off the device under any circumstances and wait until the update is completely installed. The update process may be shown on the display of the device.

f) As soon as the update process is complete, the device restarts and is ready for use again.

g) In the main menu, select the Settings menu item by pressing the upper or lower navigation key several times. In the Version section, you can view details of the currently installed firmware version.

To install a software update via a USB stick, please consult your specialist dealer, who will assist you with the update. If, contrary to expectations, the device does not restart, switch the device off and on again using the power switch. Please note, however, that an update can take up to 15 minutes.

2 Operating the basic functions

2.1 First switch-on and self-test

When the device is switched on for the first time (mains switch to ON), a so-called self-test is carried out first, if the CS has been completely disconnected from the mains or switched off via the mains switch (16). The CS checks the configuration and functionality of the installed components. This process is indicated by a flashing stand-by LED (1) and may take some time.

2.2 Switching the device on and off

To turn on the device, set the power switch on the back panel to ON, then the device will start by default as described in the section above. To switch off the device, press the power switch (1). Before the device is switched off, the text "Switching to Standby" appears in the display.

To switch on the device from standby, press the "On switch" (1).

CAUTION: The device is not completely disconnected from the mains in stand-by mode. To disconnect completely from the mains, press the mains switch (16) on the back of the device or pull the power cable out of the IEC connector (18).

2.3 Selecting a sound source

A local sound source is selected by turning the source selector (2), the RC 3/ RC 8/ RC 9/10 remote control or through the RC X App. The CD drive (10), three analog high-level inputs (33), one XLR input (37), one coaxial digital input (25), one optical digital input (27), one HDMI ARC input (23), one PHONO MM/MC input (31+32) are available. The selected sound source is shown in capital letters on the left side of the display in each case.

Selecting additional sound sources such as Spotify Connect®, AirPlay, TIDAL, QOBUZ, HIGHRESAUDIO, web radio, podcasts, music server or USB drive (19) is done exclusively via the optionally available RC 9/10 remote control or the RC X app.

Spotify Connect®

Use your smartphone, tablet, or computer as a remote control for Spotify. Learn more at **spotify.com/connect**. In addition, after playing tracks once via the Spotify app, the source selector (2) can be used to restart Spotify locally on the device ("RESUME-TO-LAST").

AirPlay

AirPlay is a technology from Apple that allows you to control home audio systems and speakers in any room - with a tap of your finger or by simply asking Siri - directly from your iPhone, iPad, HomePod or Apple TV.

To use AirPlay on your CS 3.3/5.3:
• Make sure your device is connected to your network.
• Open the app from which you want to use AirPlay on your iPhone or iPad.
• Tap ◉
• Select your CS 3.3/5.3 as AirPlay device.

 NOTE: If a digital input is selected and there is no compatible digital signal, the display will show NO DIG SIGNAL or NO ARC SIGNAL instead of the volume indicator. In this state, the volume setting is not adjustable due to the selected digital input.

2.4 Volume adjustment

To adjust the volume, use the rotary control (11). The step size of the volume change depends on the turning speed of the rotary control (11). Slow turning causes a level change in steps of 0.5 dB, fast turning changes the volume in steps of 2 dB. The current setting is displayed numerically (0 to 99.5)

NOTE: If the volume falls below 0, mute appears on the display and the device is muted. If a volume limit is set in the settings (default 70%), mute appears on the display when the 99.5 lim is exceeded appears on the display. If the volume limit is reached via the APP, the message Volume limit reached is also displayed there.

Please also note that the volume change via the optionally available RC 10 remote control is always in steps of 1 dB.

2.5 **CD-Player**

When the built-in CD player is selected, you can operate its basic functions with the five menu keys below the display. Advanced settings (repeat mode, shuffle etc.) are also possible via the extended CD player menu by briefly pressing the MENU menu key.

Inserting / ejecting a CD

Inserting a CD:
The CS unit has a slot mechanism that is used to insert the CD. Push the CD (with the silver reflective layer facing downwards until the CD has disappeared in the slot up to approx. 3 mm) into the slot (8). It will now be drawn in automatically. The player then reads the CD's table of contents and displays it. The current title is displayed on the left, next to it the total number of titles on the CD (e.g.: "1/17"). In the center of the display, the elapsed playing time is shown.

NOTE: If there is already a CD in the drive, the slot is blocked. If the CD is not readable, or you have accidentally inserted a data CD or a DVD, the display shows 'no audio disc'.

Eject:
The **STOP** menu key stops the playback process. Subsequently, this menu key changes its function to **EJECT** and causes the ejection of an inserted CD.

AUTO PLAY
If the CD player is not selected as the source, it switches automatically to CD mode when a CD is inserted.

2.5.1 PLAY, PAUSE, STOP

With one of the menu keys |**<<** or **>>**| you can select a certain title before playback. Short tapping switches to the next higher / next lower title. A continuous tap causes automatic jumps through the title numbers. The number of the currently selected title is shown above the selection keys in the display (**TRACK**). Pressing the PLAY menu button starts the playback. The key then changes its function to PAUSE. Pressing the key again pauses the playback process (**PAUSE**), pressing it again continues the playback (**PLAY**). During playback the title number and current playing time are shown in the display.

The **STOP** button stops the playback. Afterwards this menu key changes its function to EJECT and causes the ejection of the CD.

2.5.2 SKIP, SEARCH (track selection, search)

With one of the menu buttons |**<<** or **>>**| you can select a specific title during playback, or search for a specific position within the current track. A short tap switches to the next or previous title. If more than 5 seconds of playing time have elapsed, the first press on the left menu button causes a jump to the beginning of the track. Pressing the key again jumps to the previous track.

Longer pressing activates fast forward or rewind. This is only possible within a track. At the end or beginning of a track, the CD player automatically switches to **PAUSE**.

2.5.3 Repeat Mode

To select one of the available repeat functions, press the MENU key and use the SELECT menu keys (5) and (6) to select the REPEAT menu item. Then use the menu keys (5) and (6) to select the desired repeat mode: REPEAT, repeats only the currently selected track. REPEAT ALL repeats the entire CD.

2.5.4 Shuffle (Random Playback)

To activate the shuffle mode, press the MENU key and select the Shuffle item using the menu keys (5) and (6) and confirm it with SELECT. You can then use the menu keys (5) and (6) to activate (On) or deactivate (Off) the shuffle function. Confirm your selection with APPLY (8). Press the PLAY menu key to start the random playback as soon as you have left the menu again. A symbol in the upper left corner indicates that the random mode is activated.

2.6 **Bluetooth**

The integrated Bluetooth function allows you to wirelessly transmit high-quality music signals from a Bluetooth player such as a smartphone, tablet or PC to your AVM device. To activate and use the Bluetooth function and use it, you must first pair a compatible Bluetooth player with your AVM device (see the following section 2.6.1). Please also make sure that the Bluetooth antenna is attached to the antenna connector (15).

NOTE: When screwing on the supplied antennas, make sure that they are aligned straight. Only after screwing the antennas in firmly, angle the antennas to the desired position.

2.6.1   Pairing

To activate the Bluetooth input (BT), use the source selector on the front of the device (2), the RC 9/10 remote control or the RC X app. By calling up the Bluetooth menu on the RC 9/10 remote control or in the RC X App, you can connect and locate your CS 3.3/5.3 in the Bluetooth menu of your playback device (player). In addition, you can manage the already paired devices in the Bluetooth menu in the app.

To connect to the CS 3.3/5.3, navigate to your player's Bluetooth menu, make sure the Bluetooth function is enabled there, and start searching for available Bluetooth devices in your area. For details on how to use the Bluetooth function of your player, refer to the corresponding user manual.

Once the AVM device appears in the drop-down menu of available Bluetooth devices on your Bluetooth player (identified as AVM-x-xxxx*), select the AVM device as your audio playback device and wait for it to be activated. When the pairing process is complete, the CONNECTED indicator appears in the lower left area of the display and you can transfer music from your Bluetooth player to your AVM device.

2.6.2   Pairing additional Bluetooth players

Your AVM device can only be paired with one Bluetooth player at a time. To switch to another Bluetooth player, an existing connection must first be disconnected. This can be done in the RC X app for iOS and Android under the Bluetooth item.

2.7 Choosing the appropriate termination for the phono input

With regard to an optimal playback quality, each pickup should be connected to the appropriate termination impedance or termination capacitance. The CS 3.3/5.3 offers an extensive range of functions for this purpose.

2.7.1 Choosing the right pickup system (MM vs. MC)

As already mentioned in chapter 1.5.2, it is of great importance to select the correct type of pickup system. The menu items described in the following two chapters are adapted to the pickup depending on the setting in this item.

2.7.2 Setting the terminating impedance/capacity

In order to achieve optimum sound quality, each pickup system must be operated with the appropriate terminating impedance or capacity. This is particularly important for MM systems, as the terminating capacity generates a high-frequency resonance that extends the frequency response. If the capacity is too low, the sound of the pickup system may lack brilliance. If the capacity is too high, the resonance shifts too far down and thus causes strong peaks in the upper frequency range, resulting in harsh and unpleasant sound reproduction.

We recommend a consultation of the operating instructions of your pickup system before adjusting the respective impedance or capacity on the device. In the respective manual you will usually find the optimum termination impedance or capacity. Otherwise, you may proceed according to a general rule of thumb: For MM systems approx. 200 pF capacity, for MC systems 100 Ohm terminating impedance.

Depending on the selected card type (MM or MC), the impedance or capacity can be adjusted in seven steps (MM is always terminated with 47kΩ and MC is always terminated with 1nF). The following capacity values can be set for MM: 47pF; 100pF; 150pF; 200pF; 270pF; 310pF; 410pF
The following impedance values can be set for MC: 100Ω; 180Ω; 220Ω; 330Ω; 660Ω; 1kΩ; 2kΩ

You can adjust the final impedance/capacity (preferably while a record is playing) via the RC X App or the settings menu of the device.

NOTE: Please note that the termination capacity of MM cartridges is increased by the capacity of the cable by about 100 pF. We recommend to select a setting on the CS 3.3/5.3 that is about 100 pF below the manufacturer's recommended capacity.

It is always worth experimenting to find out the setting for optimum sound quality. Wrong settings will not harm the pickup system or the device.

2.7.3 Setting the gain

The output voltage of pickups is not standardized. Therefore, there are very "loud" and very "quiet" models. However, this has nothing to do with their sound quality. To suit every pickup, the gain of the CS 3.3/5.3 can be adjusted.

For MM you can choose between +40dB and +50dB gain, for MC between +60dB and +70dB.

NOTE: If the amplification is too high, the input side may be overloaded and consequently distortions may occur.

3 Advanced settings (MENU)

In addition to the basic functions, the CS 3.3/5.5 has a wide range of options for individual adaptation to your personal requirements. These functions are accessible via a menu, which can be operated using the menu keys below the display. During the general operating state, the middle menu key is labeled MENU. Pressing this menu key takes you to the 'Advanced settings' menu. The key label of the same menu key now changes to EXIT. Press the key again to exit the 'Advanced settings' menu and return to the general operating state. In the 'Extended settings' menu, the individual menu items can be selected with keys (5) and (6) and selected with SELECT (8) - the selected item is shown in the display in each case. Use keys (5) and (6) to change the value of the selected menu item. Confirm your selection with APPLY.

NOTE: Please note that in the Advanced Settings menu the available parameters depend on the currently selected input.

Please also note that when the Advanced Settings menu is activated, it is not possible to switch a sound source using the source selector (2), change the volume using the volume control (11) or switch off the unit. To do this, first exit the Advanced Settings menu using the menu key marked EXIT.

3.1 Global settings

The following settings are available for each input group, no matter if digital, analog, stream, CD, ...

3.1.1 Balance

With the Balance function you can shift the right-left balance in the range of ±9.5 dB to the left or to the right to compensate for imbalances.

3.1.2 Set Tone Control

The menu item Tone Control activates the tone control of the device, which allows to adjust the bass and treble. This allows the adjustment of bass and treble components in the sound image as well as a loudness setting. In the LINEAR position, the tone control is deactivated and by-passed (settings made are still saved). In position TONE ON, the tone control is ready for operation and is activated, as soon as you make a setting under Bass, Treble or Loudness. Provided that a neutral setting (BASS = 0, TREBLE = 0, Loudness = 0), the tone control remains by-passed in the ACTIVE position until one of these parameters is changed. If no neutral setting is made, the active tone control is shown in the upper part of the display.

Bass and treble can be boosted or cut together for all inputs (GLOBAL) or specifically for the currently selected input (INDIVIDUAL). If an individual setting is desired, the inputs must be parameterized beforehand via the setup (see section 3.8.5). This is useful, for example, to compensate for a bass weakness of the turntable without having the boosting the bass of other input sources.

NOTE: The setting of the loudness function (Loudness) depends on the loudspeaker and room and is therefore globally valid for all inputs. As soon as the tone control under Tone Control is set to LINEAR, the menu items Bass, Treble and Loudness are not displayed.

3.1.3 Bass

The Bass menu item can be used to adjust the low frequency response from -6 to +6 dB. With a global setting for all sound sources, GLOBAL is displayed in the upper right corner of the display, INDIVIDUAL for individual settings.

3.1.4 Treble

The Treble menu item can be used to adjust the high frequency reproduction from -6 to +6 dB. With a global setting for all sound sources, GLOBAL is displayed in the upper right corner of the display, INDIVIDUAL for individual settings.

3.1.5   Loudness

Listening to soft music often gives the impression of a flat, unbrilliant sound. This is due to a characteristic of the human ear: Bass and treble are perceived disproportional with quiet sounds. This effect is supposed to be corrected by the "aurally correct volume setting" (loudness) this effect by boosting bass and treble when playing soft music, and then gradually returning to a linear frequency response as the volume is increased. For this compensation to achieve its full effect, careful adjustment is necessary. Therefore, proceed as follows:

Select a sound source and set a moderate listening volume. Then switch to the Loudness menu. Now use the menu keys (4) and (5) to select one out of nine available Loudness values, until the sound image appears balanced and pleasant to you. As soon as you exit the menu again (menu key APPLY), the selected setting remains stored.

NOTE: When the Loudness menu is called up again, the displayed value may differ from the originally selected setting. This is not an error, but is caused by the fact that the sound control selects an adjusted value depending on the currently set volume. The current value is then displayed accordingly when you select the Loudness menu.

3.2   **Analog inputs**

For the analog inputs, only the settings from the Global Settings are available.

3.3   **Digital inputs (COAX, OPTO, ARC)**

After selecting a digital input, a further setting option is displayed in the menu.

3.4   **Streaming input, CD player and USB**

If you select the CD player or the USB input, you also have separate setting options.

3.4.1   Repeat Mode

In this menu you can set different repeat modes:

REPEAT repeats only the currently selected track.
REPEAT ALL repeats the entire CD/folder content.

3.4.2   Shuffle

This item allows you to activate or deactivate shuffle playback.

3.4.3   Filter

By pressing the menu key (5) you can access the digital filter setting. Here you can choose between available digital filter settings for the selected digital input. You can select the digital filter settings STEEP and SMOOTH according to your sound preferences. Depending on the signal being played back, different digital filter settings can produce optimal sound results. Technically, STEEP means steep filtering at the end of the band end with flat amplitude frequency response, but strong phase rotation. SMOOTH, on the other hand, is less steep and already has a small amplitude drop before the end of the band, but less phase rotation. The selected filter setting applies only to the current input and remains stored - even after the unit is switched off.

3.4.4   Metadata usage

In this menu item you can select whether metadata (if available) are shown on the display (4). You can choose between On (default) and Off.

3.5   **Phono input**

After selecting the phono input (31), you can set in the MENU which pick system (phono pickup) your cartridge uses (MM or MC), set the termination capacitance or resistance, and set the gain. For more information see section 1.5.2.

3.6   **Bluetooth Input, Internet Radio, AirPlay, Podcast**

After selecting these inputs, further setting options are available

3.7 **Personal Setup**

The Setup menu offers you a number of further setting options for adapting the unit to your personal needs. The unit to your personal needs. To enter the setup menu, press and hold the menu button (5) until SETUP appears in the display instead of MENU.

In the "Setup" menu, the individual menu items can be selected with the menu keys (4) and (5) and activate them with the SELECT key (8). With the menu keys (4) and (5) you can then change the value of the selected function. After you have made the desired settings, press the menu key marked APPLY. You can then edit further menu items. By pressing the menu key EXIT you exit the "Setup" menu.

NOTE: The settings described in the following section can be made easily and conveniently via the RC X App for iOS and Android.

3.7.1 Display

In this menu you will find the various settings for the display (4).

3.7.1.1 Display Brightness
Adjusts the brightness of the display from 25% (Dark) to 50% (Normal) to 100% (Bright).

NOTE: The brightness setting 100% may lead to uneven brightness of individual segments of the display during long periods of operation. Individual segments of the display due to "burn-in" effects. Therefore, do not leave the unit on for an unnecessarily long time with this setting. Switch it to stand-by mode when not in use (e.g. overnight).

3.7.1.2 Proximity Sensor
Sets the sensitivity of the proximity sensor from None (off) to Close, Normal and Far.

3.7.1.3 Tube light color (only CS 5.3)
Sets with which color your tube is illuminated. You can choose between the colors blue and red.

3.7.1.4 Display Mode
Sets whether the display to always ON during operation. Setting options: Always On, Always Off, On Use (ON during use).

3.7.1.5 Permanent Volume Display
In this menu you can set whether you want the current volume to be displayed always or only temporarily.

3.7.1.6 Scroll Text
Sets whether, for example, in the case of long title names, the text "scrolls" to display the entire text or whether your unit should not display this.

3.7.1.7 Play Time

In this menu you can adjust whether the display shows only the time, only a time bar or both at the same time when playing titles (e.g. via the CD player). By default, the time and the time bar are displayed.

3.7.1.8 Remaining Time Display

Here you can adjust whether the total time or the remaining time of the current title is displayed for a played title.

3.7.2 Volume Control

In this menu you can make personal adjustments to the volume.

3.7.2.1 Power On Volume

Sets the volume level of the unit after start-up.
You can choose between LAST LEVEL (default), 50%, 60% and 70%.

3.7.2.2 Volume Limit On Activate

Sets the volume level to which the unit will be limited when switching inputs, if exceeded.

3.7.2.3 Volume Limit

This menu item allows you to limit the maximum output volume up to 50%. This function can be useful to avoid rapid volume jumps that are triggered, for example, by accidentally operating the volume control in the RC X app for iOS and Android incorrectly. The default setting is 70% and is intended as a protective mechanism to prevent other components in your system (e.g. speakers) and, last but not least, your ears from drastic volume jumps that could be triggered, for example, by accidentally operating the volume control of the RC X app for iOS and Android.

3.7.2.4 Source Gain (Heimkino-Schleife, Home Theater)

In a surround system, the leveling of all channels as well as the bass management is done at a corresponding surround decoder (e.g. by an AV receiver). This signal should not be changed, otherwise the balance of the channels among each other is no longer given.

The CS 3.3/5.3 offers a so-called source-fix function for this case. This allows you to operate the analogue inputs RCA 1 and RCA 2 with a fixed gain. If the source-fix-function is activated, the signal is played back with a fixed gain when this input is selected. In addition, all sound settings (e.g. BASS, TREBLE, see 3.1) are deactivated – regardless of whether you change the volume of the other inputs or their sound setting or balance setting.

The source-fix function is also available for the digital inputs COAX (25) and OPTO (27). In contrast to the analogue inputs, however, the sound settings (e.g. BASS, TREBLE) and the balance setting are active here. This function is useful, for example, if a sound source with its own volume control is connected to a corresponding digital input. (e.g. Sonos).

3.7.2.5 Input Gain

Often the connected sources in a HiFi system have different volume levels by nature. When switching sources, a jump in volume occurs. This can be minimized by individually adjusting the input sensitivity of the inputs to achieve similar volume levels on all sources.

Select a local digital or analog input (23, 25, 27, 31, 33, 37) with the source selector (2) and set the listening volume to a comfortable level with the volume control (11). Check whether the levels are approximately identical by switching to other inputs. If you notice a deviation, you can adjust it using this function. Select the desired level with the menu buttons (5) and (6) to select the INPUT Gain menu and the corresponding source. Using the menu buttons to adjust the level of the selected sound source within a range of -9.5 and +9.5 dB. Press the APPLY menu button to exit the menu. The set input level is now saved and the unit switches to the general operating mode.

By switching back and forth between the individual sources with the source selector (2) you can compare the set levels and adjust the sensitivity of all analogue and digital inputs – including CD and USB - accordingly.

NOTE: Please note that all remote controls are inoperative during level adjustment. While you are making menu settings on the main unit, the optional RC 9/10 remote control cannot be used to avoid operating conflicts.

3.7.3   Inputs

Personal settings regarding the inputs can be made here.

3.7.3.1 Skip Unused Inputs

If you do not need all analogue and digital inputs, the unused inputs can be deactivated (SKIPPED). When selecting sources with the source selector (2), all inputs defined as SKIPPED are automatically skipped and are also not selectable via the UP/DOWN function of the remote control. The settings can be undone at any time by calling up the menu item again (Input ACTIVE).

Skipping unused inputs makes it easier for you to operate them via the source selector (2) and the UP/DOWN function of the remote control. Skipped inputs can still be selected via the RC 9/10 remote control or the RC X app.

3.7.3.2 Input Names

Via the menu item Input Names, you can change the names of sound sources on the display (4) as desired. A name consists of a maximum of 8 characters. The name can be changed conveniently via AVM's RC X App or via the separately available RC 9/10 remote control.

HINWEIS: To rename the input in the App, go to Inputs in the overview after selecting your CS 3.3/5.3 and press the 3-dot symbol on the right side of the input to be renamed. You can then rename the input via the keyboard after pressing "Rename input".

3.7.3.3 AUTO-ON
In this menu you can set which inputs of the unit are to be activated when a signal is received.

3.7.4 Outputs

In this menu item you can make various settings for the outputs.

3.7.4.1 Speaker
With the CS 3.3/5.3 you have an A/B circuit for the loudspeakers available, which allows you to connect a second pair of loudspeakers to your device. In this menu item you can set your used configuration. A, B and A+B are available.

CAUTION: If you use both speaker outputs (A+B), the impedance of each speaker must not be less than 8Ω.

3.7.4.2 Internal Poweramp
With this function, the speaker outputs (13, 14, 38, 39) can be activated or deactivated. The selected setting is saved permanently and can be changed by calling up the menu again.

3.7.4.3 Headphone Muting
In this menu you can set which outputs including the power amplifier are muted or switched off when using headphones at the front.

3.7.4.4 Digital Output Volume
In this setting item you can determine whether the signal for the digital outputs (optical and COAX) is fixed or whether the volume is controlled.

3.7.4.5 Trigger External AMP by audio
When using an additional AVM power amplifier, you can control them via the connected audio cable. This makes it easier for you to operate your system.

3.7.5 Tone Control (INDIVIDUAL)

With the menu item Tone Control you can determine whether the bass and treble components are to be adjusted via the tone control electronics (see section 3.1: Bass, Treble, Loudness) for a single sound source (INDIVIDUAL) or for all sound sources together (GLOBAL). You can make this setting for all inputs individually.

3.7.6 Desired Standby Mode

To ensure that your AVM device can be switched on at any time via the RC X app for iOS and Android, the integrated AVM X-STREAM Engine® also remains in standby in the so-called Network Standby mode and constantly ready for operation. Please note that selecting this mode increases the stand-by power consumption. If you want to save this energy, select Standby mode in this menu. To switch on again from standby mode, simply approach the unit. The built-in proximity sensor activates the device automatically.

Please note: In standby mode, your AVM device cannot be detected by the RC X App for iOS and Android and 'woken up' from standby.

3.7.7 Auto Standby

For energy saving reasons, the unit is equipped with a circuit that automatically switches the unit to standby mode. Automatically into standby mode if there is no music signal at the currently active input for more than 20 minutes. This function is activated at the factory (ACTIVE) and can be permanently deactivated via the menu item to deactivate it permanently (NOT ACTIVE).

3.7.8 IR Control

In addition to the possibility of controlling the CS 3.3/5.3 via the optional RC 9/10 remote control or the free RC X App, basic functions of the unit can also be operated via the classic RC 3 or RC 8 remote controls from AVM, which are available as optional accessories. To receive the infrared signal of these remote controls, the function IR Control function must be activated (ON).

3.7.9 INFO

Here you can display information about the device such as the device name or designation, the serial number and the firmware version.

3.7.10 NETWORK

Here you can find information about the network connections. (Among others: WLAN/ LAN; IP address; MAC address; SSID)

3.7.11 WPS

WPS enables you to easily set up a wireless network connection (WLAN / WiFi). You can start the WPS function under this item.

For step-by-step instructions, see section 1.13.2.

3.8   **Settings via the RC X App**

Most of the settings you make via the unit menu can also be easily changed alternatively with the new RC X App. For step-by-step instructions on connecting to the network, see section 1.13.

3.8.1   Device name

Here you can customize the name of the device in the network.

3.8.2   Language

The App language settings can be adjusted here.

3.8.3   Audio

In this menu, the Tone Control settings can be adjusted directly in the App. You can switch the Tone Control function ON (Tone On) or OFF (LINEAR) and adjust the bass, treble, loudness and balance settings as described in section 3.1. Furthermore, depending on the selected input, other settings can be displayed and changed here. For example, if the phono input is selected, the phono pickup can also be adjusted or the filter can be adjusted for the digital inputs.

3.8.4   Network assistant

Here you will find the wizard for connecting the CS 3.3/5.3 to the network. For step-by-step instructions, see section 1.13.

3.8.5   Netzwork Info

In this tab you can view the current network status of your unit.

3.8.6   Time Zone

Here you can set the time zone you are in.

3.8.7   Streaming Services

Here you will find various settings for your streaming services. For example, you can data rates can be set.

3.8.8 Device Settings

In this menu, you can make most settings from the Personal Setup directly in the free RC X App.

3.8.8.1 Display
As described in section 3.7.1, you can make various settings for the display here. These include the brightness, the proximity sensor and the display mode.

3.8.8.2 Volume Control
You can also make the extensive settings from the Volume Control chapter (see section 3.7.2) in the App. To do this, simply click on the corresponding menu items to display the available settings.

3.8.8.3 Inputs
Here, as in Personal Setup, you can skip unused inputs. For this purpose, you can simply decide which inputs are displayed or skipped by selecting or deselecting the required inputs (see also section 3.7.3.1).

3.8.8.4 Outputs
In this menu item, the various settings for the outputs are available as in Personal Setup (see section 3.7.4).

3.8.8.5 Tone Control
In this menu item, you can also set in the APP whether bass and treble components are to be adjusted via the tone controls (see section 3.1: Bass, Treble, Loudness) for a single sound source (INDIVIDUAL) or for all sound sources together (GLOBAL). You can configure each input individually.

3.8.8.6 IR-control
To receive the infrared signal of the additionally available IR remote controls (RC 3 / RC 8), the IR Control function must be activated (ON). As described in section 3.7.8, you can conveniently set this setting directly in the App.

3.8.9 RC 9 Fernbedienung

Here you can set various functions for the optionally available RC 9 remote control. Among other things, you can start the pairing process, delete connected remote controls or update the current version.

3.8.10 STANDBY / NETWERK-STANDBY

In this menu item, you can set in which sleep mode you want to operate the device (sleep mode with or without network access) and after which idle time the device automatically shall switch to sleep mode. Further information can also be found in sections 3.7.6 and 3.7.7.

3.8.11 Version

Here you can view various information about the installed version (hardware, software).

3.8.12 Update Firmware

This menu allows you to update the firmware, if available. First, a check is made whether there is an update online or on a USB stick.

3.8.13 Reset device

Here you can trigger a factory reset through the App. For more information on the factory reset, see section 3.9.

3.9 **Factory Reset (Factory Settings)**

Enter the SETUP menu by holding down the menu key (7). Search and select the item "Factory Reset" and select the desired RESET mode. The device now performs a reset to its factory settings and then reboots to its general operating state.

Alternatively, a factory reset can also be easily performed via the RC X App for iOS and Android, the SETUP menu or the RC 9 remote control. To do this, call up the Reset device menu item in the settings of the RC X App or the RC 9 remote control and confirm the reset. The device now performs the reset to its factory settings and then reboots to its general operating state.

CAUTION: If a factory reset is performed, all settings will be lost! Please make a note of your settings in advance (e.g. values for GAIN, etc.), this will make it easier for you to recall the settings at a later point in time.

4 Supplement

4.1 Taking care of the housing

The surface and frontpanel printing of the housing are largely scratch-resistant. The CS can be cleaned with mild soapy water or a glass cleaner and a soft dust cloth.

CAUTION: When cleaning, liquid must never be allowed to enter the inside of the enclosure. In addition, for safety reasons, the mains cable should be disconnected before wiping with a damp cloth. Do not use solvents or abrasive cleaners that could damage the surface or printing of the enclosure.

4.2 Failure search (or: If something does not work as expected….)

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

1. No music playback

a) The MUTE function is active. Deactivate it.

b) Accidental switching to stand-by mode via the remote control. Press the switch-on button.

c) If the display is dark and the stand-by LED (1) is not lit, the mains fuse may be defective. Since this is usually caused by a defect in the power supply unit or the amplifier electronics (e.g. as a result of a lightning strike), please contact your specialist dealer.

2. Remote control is not working

a) The battery of the remote control is empty. Please recharge the remote control / replace the battery.

b) There is no direct connection between the remote control and the unit, or the distance is too large.

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

- Either a soiled CD, a defective CD or no CD was inserted or the CD was inserted the wrong way round (label side down instead of up).

- Eject inserted CD and insert correctly.

- Clean soiled CD and insert again.

4. Lipsync is not synchronous for the digital inputs

If, despite supported low-latency technology, the lip synchronization is not correct, your TV often offers its own setting option to compensate for this. Your CS 3.3/5.3 does not currently have its own setting for this.

5. HDMI ARC without function

If the HDMI ARC function does not work right away, please note the following points:

- Was the HDMI INPUT with ARC label used to connect the CS 3.3/5.3 to the TV?

- Is the HDMI cable ARC-certified?

- Has HDMI ARC been selected as the output source? (Sometimes a "connection" must be set up manually here).

- Have all settings been made on the TV, which may prioritize in the sound settings (That e.g. Opto-OUT is prioritized)?

- Has PCM been selected as the sound format?

- Additionally, you can try to re-establish the ARC connection. This time, however, first turn off the TV and disconnect it completely from the power. Also turn off the CS 3.3/5.3 completely. Now connect the HDMI cable to the ARC input of the CS 3.3/5.3 and turn on the CS 3.3/5.3 and the TV again.

If it still does not work, the display information on the CS 3.3/5.3 may help to identify the issue.

- No Signal - ARC Error: There is no signal coming from the TV. Please double check the input and settings.

- No PCM: Please switch the audio format on the TV to PCM.

NOTE: Please note that device control can also occur if you have selected a "normal" HDMI input on the TV to connect the CS 3.3/5.3 and not the HDMI ARC INPUT.

4.3   Warranty conditions

If, contrary to expectations, a fault should occur which you or your specialist dealer cannot rectify, we will repair your unit free of charge for up to two years after the date of purchase. The warranty covers material and labour; any transport costs incurred are to be borne by the owner from six months after the date of purchase.

Regardless of the country in which the device was purchased, German law is generally applicable for warranty claims and warranty processing. Should one of the following provisions be legally invalid, it shall be replaced by a legally compliant provision.

The prerequisites for your warranty claim are:

1. The device must have been purchased from a specialist dealer authorised by AVM.

2. The warranty registration is done via our website: www.avm.audio.

3. The fault must not have been caused by improper handling or tampering with the unit.

4. In case of reparation needed, the unit must be returned to us in its original packaging. If this is not the case, we are entitled to refuse acceptance. In any case, we do not assume any responsibility for transport damage.If you no longer have the original packaging at hand, please contact your specialist dealer. If you wish, we can also provide you with packaging directly. However, we have to charge a fee of 50€ for this service (+ shipping & handling).

5. A short description of the fault must be enclosed with the returned unit. Please print out our SERVICE FORM for this purpose. You can find it at www.avm.audio under SERVICE.

6. In cases of doubt, we reserve the right to request a copy of the purchase invoice. In the event of unauthorized return or if there is no damage to the unit, we reserve the right to charge a handling fee.

NOTE: If you are not shipping your unit from Germany, please ensure that you have the correct proper export documents. Unfortunately, we cannot assume any costs arising from improper export, failure to declare or customs clearance.

5   Technical data

5.1.1   Power amplifier

Amplification factor 30
Total harmonic distortion (THD) .... < 0,005%
Signal-to-noise ratio.. > 95dB
Input sensitivity (2x350W, 4Ω) 1,2V
Frequency response (CS3.3) (at -3dB) ....0Hz to > 80kHz
Frequency response (CS5.3) (at -3dB) ....< 5Hz to > 35kHz
Output power ....2x 350W (4Ω) / 2x 180W (8Ω)

CAUTION: In parallel operation of the A and B speaker outputs, the speaker impedance per speaker must not be less than 8 ohms.

5.1.2   Preamplifier (analog)

Input impedance (RCA) .... 50 kΩ
Input impedance (XLR).. 40 kΩ
Output impedance (PRE, LINE)... 47 Ω
Output impedance (XLR) .... 94 Ω
Gain factor 1
Total harmonic distortion (THD) .... < 0,001%
Signal-to-noise ratio... > 100dB
Crosstalk attenuation (channels)... > 94dB
Crosstalk attenuation (inputs)... > 85dB
Input control (1% THD) .... 8,6 V
Output control (1% THD) .... 8,4 V

5.1.3   Preamplifier (Headphone)

Output impedance .... 24 Ω
Gain factor...2,0
Total harmonic distortion (THD)... < 0,001%
Signal-to-noise ratio .... > 100dB
Ouput level (1% THD) .... 7 V

5.1.4   Preamplifier (Phono)

Equalization RIAA (20Hz-20kHz) ....+/- 0,3dB
Gain MM..40dB/ 50dB
Signal-to-noise ratio MM.. > 84dB(A)
Gain MC...60dB/ 70dB
Signal-to-noise ratio MC .... >75dB(A)
Input control MM (1% THD, 40dB) ....76 mV
Input control MC (1% THD, 60dB)..7,4 mV
Frequency response (Line-Out) .... 11Hz – 100kHz
Adjustable Impedance MC (in Ω)... 100; 180; 220; 330; 660; 1k; 2k
Adjustable Capacity MM (in pF) 47; 100; 150; 200; 270; 310; 410

5.1.5   CD Player

Compatible formats .... CD Audio, CDR (according to Red Book Standard)
Frequency response CD .... < 20 - 20 kHz

5.1.6   Network

LAN port (hot pluggable) ....100 Mbit/s
Supported WLAN/ Wifi standards.. 2,4/ 5GHz/ 802.11a/b/g/n/ac
Number of antennas 2
WPS.. yes

5.1.7   Streaming

Max. sampling rates .... DSD256, 32 Bit/384 kHz PCM
Streaming services .... AirPlay, Qobuz, Roon, Spotify, TIDAL, HighResAudio
Supported file formats...................................... WAV, MP3, WM, AAC, FLAC, ALAC, DSD, Ogg, AIFF

5.1.8   Bluetooth

Bluetooth standard 4.2
Supported Bluetooth profile...AVRCP 1.5, AD2P

5.1.9   USB input (rear)

USB standard ....USB 2.0
Max. current ....500 mA
Supported formats..FAT16, FAT32, NTFS

CAUTION: The USB input is exclusively intended for hard disks and USB sticks.

5.1.10 Digital inputs (S/P-DIF/ Coax)

Max. sampling-/ bit rate (OPTO)... 96 kHz / 24 Bit
Max. sampling-/ bit rate (COAX) .... 192 kHz / 24 Bit
Min. signal level [Vpp] at 192kHz (COAX) ....> 150 mVpp
Eingangsimpedanz (COAX) .... 75 Ω
Deemphasis (OPTO, COAX)..Yes, automatically
Max. sampling-/ bit rate (ARC) .... 192 kHz / 24 Bit
Input impedance .... 75 Ω

NOTE: When using the digital inputs, the cable length of the digital cables should not exceed
three meters.

5.1.11 Digital outputs (S/P-DIF / Coax)

Max. sampling-/ bit rate (OPTO)... 96 kHz / 24 Bit
Max. sampling-/ bit rate (COAX) .... 192 kHz / 24 Bit
Output impedance (COAX) .... 75 Ω

NOTE: When using the digital outputs, the cable length of the digital cables should not exceed three meters.

5.1.12 Trigger

Trigger input... 5 - 20V
Trigger output (2x).. 12V (sequentially switched)

NOTE: The second trigger out is delayed to the first trigger out to protect against high current peaks. Please use a standard 3.5mm mono jack cable for the trigger connections.

5.1.13 Power supply

Power supply...100V-240V / 50Hz-60Hz
Power consumption standby... < 0,5 Watt
Power consumption network standby.. < 2 Watt
Power consumption in idle mode... < 16 Watt
Leistungsaufnahme, max ....1000 Watt
Fuse type.. T 10A

5.1.14 Miscallenous

Weight ....11 kg

Dimensions (WxHxD mm) ....430 x 122 x 350
Warranty...2 years
(Warranty periods may vary)

To ensure that your AVM device can be switched on at any time via the RC X App for iOS and Android, the integrated AVM X-STREAM Engine® remains in constant standby mode. Please note that this does not result in a power consumption of less than 0.5 VA as usual, but increases it to about approx. 5.5 VA. If you want to save this energy, switch the unit off completely with the rear power switch (16) after switching to stand-by mode.

This product supports AirPlay and requires iOS 11.4 or later.

Apple and AirPlay are registered trademarks of Apple Inc. in the U.S. and other countries.

Use of the "Works with Apple" logo means that an accessory has been designed specifically for the technology specified in the logo and has been certified by the developer to meet Apple performance.

Use your smartphone, tablet, or computer as a remote control for Spotify. Visit spotify.com/connect to learn more.

The Spotify Software is subject to third party licenses found here:
https://www.spotify.com/connect/third-party-licenses

Our current streaming devices are ROON READY.
For more informations:
www.roonlabs.com

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Änderungen an technischen Daten und Ausstattung behalten wir uns vor.

Release date: May 08, 2022.