OVATION

CS/AS/PAS 8.3 S

USER MANUAL

Handcrafted in Germany

Warm welcome!

We are delighted that you have chosen an audiophile masterpiece from AVM and thank you for your trust. With the OVATION CS/AS/PAS 8.3S, you have acquired a high-end component with outstanding sound quality and a wide range of functions. In the following, we would like to explain the use of your OVATION CS/AS/PAS 8.3S in detail and therefore ask you to take a little time to study this manual thoroughly.

Please note: As the functionality of your OVATION CS/AS/PAS 8.3S can be expanded in no time at all with future software updates, it is only natural that this manual will also need to be supplemented. The latest version of this operating manual is therefore available for free download on our website at www.avm.audio.

And last but not least: we at AVM and our specialist retailers are always happy to help. If you have any questions, requests or suggestions, please do not hesitate to contact us. And if you are satisfied with our service, please recommend us to others.

Udo Besser – AVM Owner & Managing Director

Meaning of warning symbols

The general hazard symbol, in conjunction with the signal words **CAUTION, WARNING** and DANGER, warns of the risk of serious injury. Follow all of the following instructions to avoid injury or death.

The lightning symbol, in conjunction with the warning word **DANGER**, warns of life-threatening electrical voltage.

Safety instructions

Opening the device

CAUTION: Do not open the housing or other covers at any time. All maintenance work must be carried out by qualified customer service personnel.

Proper disconnection from the mains

DANGER: To completely disconnect your device from the mains, use the mains switch on the rear panel and then disconnect the device from the mains by pulling the mains plug out of the socket.
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Operation during thunderstorms

DANGER: Power surges caused by lightning strikes
Power surges in the mains — caused by lightning strikes — can damage or even destroy the device. If a thunderstorm is approaching, disconnect the mains plug from the socket. Switching off the device using the mains switch is not sufficient, as the power surges will "jump" even across the unclosed contacts.

The right app for your AVM device: RC-X

AVM RC X

GET IT ON Google Play

Download on the App Store

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Inhaltsverzeichnis

1 Start-up

1.1 What is included in the package?

1.1.1 OVATION CS/AS/PAS 8.3S
1.1.2 2 WLAN/Bluetooth antenna(s)
1.1.3 Power cord
1.1.4 White gloves
1.1.5 RC 5 infrared remote control

NOTE: Please check the device and accessories for completeness and transport damage after unpacking. If the original packaging has already been opened, please contact your specialist dealer. Specialist retailers often prepare your new device for use in your network before delivery by preconfiguring a number of settings for you. In addition, we supply all of our network-compatible devices with the latest version of the X-STREAM software, which may need to be updated again during the initial installation (for details on updating the streaming software, see section 1.14).

1.2 OVERVIEW

In these instructions, numbers appear after the names of the individual elements, which refer to the following drawings.

1	On/off switch	7	Menu button 3
2	Source selection wheel	8	Menu button 4
3	Status-LED	9	Menu button 5
4	O-LED Display	10	CD-Slot (Nur CS)
5	Menu button 1	11	Volume control
6	Menu button 2	12	Headphone output

13	Loudspeaker connection A R (Nur CS/AS)	27	Optical digital input
14	Loudspeaker connection B R (Nur CS/AS)	28	Optical digital output
15	WLAN/Bluetooth- antenna[1]	29	Trigger Output (2x) (3,5mm)
16	Main switch On/Off	30	RESET-Knopf (mit LED)
17	Fuse holder	31	Phono input
18	IEC connection	32	Earth connection for record player
19	USB input for hard drives[2]	33	Analog inputs (RCA)
20	Trigger Input (3,5mm)	34	Recording output (LINE-OUT)
21	USB-C for PC/MAC	35	Preamp output (PRE-OUT)
22	External IR input	36	XLR- Preamp output (PRE)
23	HDMI-ARC Input	37	XLR- analog input
24	Network connection (ETHERNET)	38	Loudspeaker connection A L (Nur CS/AS)
25	Coaxial digital input	39	Loudspeaker connection A L (Nur CS/AS)
26	Coaxial digital output		

1.3 Installation and cooling (CS and AS only)

The power amplifiers of your CS/AS 8.3S require cooling. It is therefore very important that the air supply from below and the outflow of heated air upwards are unobstructed. Make sure that the CS/AS 8.3S is placed on a firm surface with as much space around it as possible. The ventilation slots on the underside of the unit must not be covered. In addition, the installation site should be protected from direct sunlight.

1.4 Mains connection

Connect the device's IEC connector (18) to a Schuko socket using the mains cable supplied.

NOTE: Please leave the device switched off for the time being (power switch (16) in the zero position) until you have established all cable connections to the rest of the system. Also pay attention to the phase marked on the device.

[1] **NOTE:** Both antennas are identical in design and can be installed on either of the two antenna connections (15).

[2] **IMPORTANT:** The USB-A interface is only intended for USB sticks/flash drives or hard drives.

1.5 Connecting analogue sound sources

Connect analogue signal sources to the analogue inputs (31, 33, 37) using suitable cables. For RCA inputs, connect the left channel to the top row and the right channel to the bottom row.

1.5.1 High-level sources (RCA, XLR)

Connect the respective inputs with the appropriate RCA or XLR cables. You can purchase the appropriate cables directly from your specialist dealer.

1.5.2 Phono-input

The turntable is connected to the phono input (31). Connect its ground cable to the 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 the various MM and MC pickup systems in the MENU (menu button (7)) under the "Phono pickup" option. Depending on the design principle of the pickup system used, select either MM for electromagnetic transducers (MM = moving magnet) or MC for electrodynamic transducers (MC = moving coil). Please refer to the documentation for your turntable or pickup to determine whether your pickup system operates according to the MM or MC principle. Please note that the MM setting can also be used for a 'loud' MC system. For more information, please refer to the operating instructions for your turntable or pickup.

For detailed adjustments to the pickup system, please use the options for setting the termination impedance or termination capacitance in the device menu (for more detailed information, see section 2.7).

1.6 Connecting digital sources

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

1.6.1 Coaxial or optical digital input

Connect your CS/AS/PAS 8.3S using a suitable TOSLINK or COAX cable.

1.6.2 HDMI ARC (Audio Return Channel)

When using an ARC-compatible television, all you need is a suitable HDMI cable for inputting audio signals from the television and for transmitting HDMI control signals. Simply connect your ARC-enabled television to the ARC input (23) on your CS/AS/PAS 8.3S.

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

PLEASE NOTE: Only stereo audio signals can be processed via HDMI ARC. This means that you must switch your source device (e.g. your television) to the PCM audio track. (Not: Dolby or DTS).

1.7 Connection of analogue recording devices

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

1.8 Digital Output: Connection of 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 (e.g. 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 Operation with external power amplifiers or subwoofers

You can connect a subwoofer to the regulated RCA or XLR outputs (PRE-OUT) (35, 36) using an appropriate cable. The regulated RCA and XLR outputs can also be used for operation with external power amplifiers. The internal power amplifier can be completely deactivated in the menu or in the app.

1.10 Connecting the speakers (CS/AS only)

The speaker outputs of the CS/AS 8.3S are equipped with gold-plated banana sockets. To connect the speakers, you will therefore need cables with the appropriate plugs (spade connectors or bare cable ends can also be used). These are connected to the speaker outputs (13, 14, 38, 39) of the CS/AS 8.3S. Only use good quality speaker cables with a sufficient cross-section to connect the speakers. If in doubt, ask your specialist dealer to recommend the best cable for your speakers in terms of sound quality. The A/B output circuit allows you to connect a total of two pairs of speakers. The minimum impedance of each speaker must not fall below 8 ohms. Pay attention to the A/B circuit marking on the speakers and always connect one pair of speakers to either A or B.

When connecting the speakers, also observe the correct colour polarity. The red-marked output sockets of the CS/AS 8.3S must be connected to the red-marked speaker terminals. The right and left channels must have the same polarity on the speakers.

1.11 RC X app for iOS and 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 AVM streaming-enabled models with integrated AVM X-STREAM Engine®. The RC X app is available for free download from the Apple App Store and Google Play Store.

1.12 Networkinstallation

To use the extensive streaming and network functions such as ROON, Spotify Connect®, Apple AirPlay, TIDAL CONNECT, QOBUZ CONNECT, HIGHRESAUDIO, web radio, podcasts or music servers, your device must be connected to your home network or the internet via a router. You can choose between a wired LANconnection via the network port (26) or a wireless WLAN connection (WiFi) via the supplied WLAN antenna. When screwing the supplied WLAN antenna onto the corresponding WLAN antenna connection (15), please ensure that the antenna is aligned straight.

Only then should you angle the antenna to the desired position.

LAN VS. WIFI:
If you have the choice between a wired LAN or wireless WLAN connection, we generally recommend using a wired LAN connection, as this usually allows for higher bandwidth and is also less prone to interference and less dependent on the data traffic of your entire network.

NOTE: All AVM devices with integrated AVM X-STREAM Engine® generally prefer a wired network connection (LAN) and automatically access this as soon as a network cable is installed on the device. For smooth continuous operation via a wireless WLAN connection, remove any connected network cable (LAN) from the network connection (24).

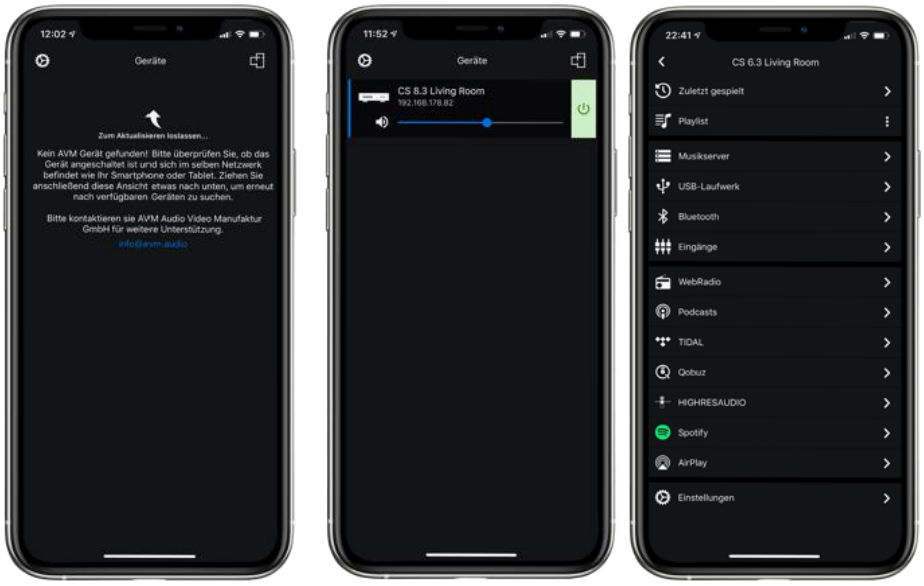
Even during operation, the device will re-establish a wired network connection, as this is preferred over WLAN.

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

1.12.1 Setting up a wired network connection

All AVM devices with integrated AVM X-STREAM Engine® are hot-plug capable. This means that setting up a wired network connection does not require restarting or switching the AVM device off and on again. Instead, a network cable (LAN cable) can be connected during operation and a network connection is established immediately.

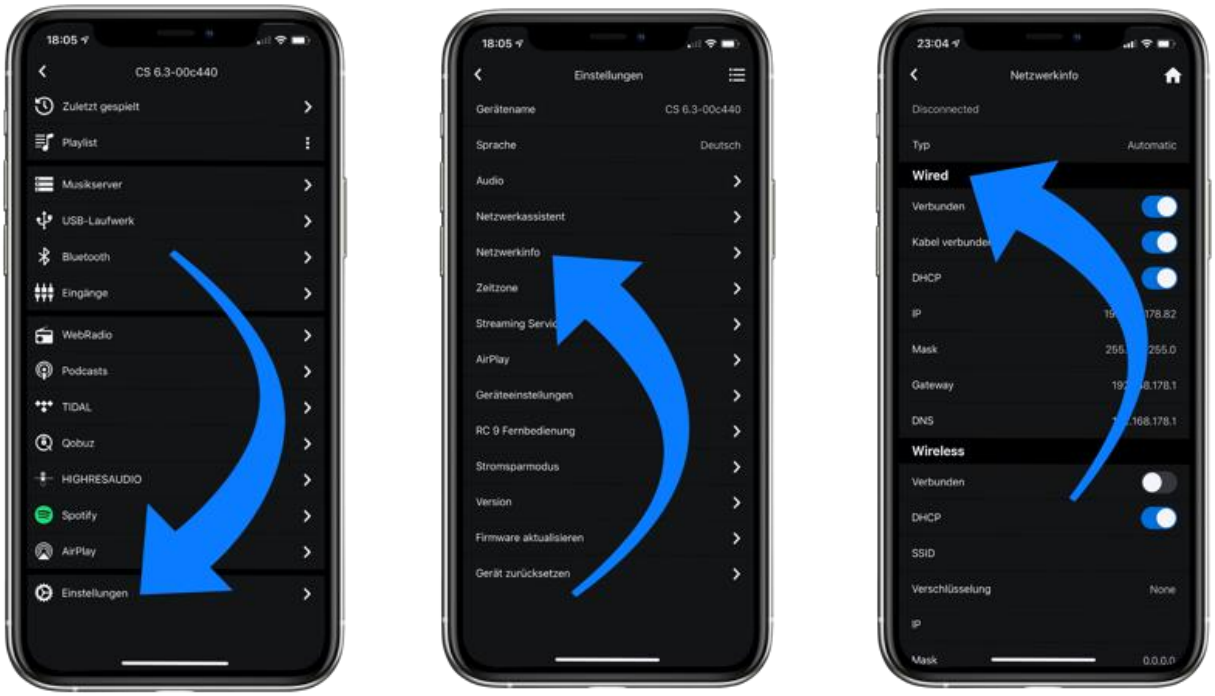
a) Connect the device to a router in your home network using a network cable (LAN cable) by connecting one end of the LAN-cable to the network port on the AVM device (24) and the other end to a free port on your router (ETHERNET) or a network switch.



b) The device automatically connects to your home network via the connected ETHERNET cable and is ready for use.

c) Ensure that your smartphone or tablet is connected to the same network/Wi-Fi as your AVM device and launch the RC X app. After a brief start-up process, the RC X app automatically searches for available AVM devices in your network and lists them with their respective device names and IP addresses. An IP address can be recognised by a sequence of numbers separated by several dots. IP addresses often begin with "192.168.xxx.x", for example.

d) Select an available device from the list by tapping on it and wait a moment until a connection between your smartphone or tablet and the device is established.



IMPORTANT: If no available device is displayed, check that the network cable is correctly installed and that the AVM device is in the same network/WLAN as your smartphone or tablet. Then drag the view in the RC X app down slightly 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®. You can find a current model overview at: www.avm.audio/rc-x-app.

e) To check the network status, start the RC X app and select the AVM device.

f) Call up the Network info menu item in the settings. In the Wired section, you can view details of the network connection that has been established.

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

Various options are available for setting up a wireless network connection (WLAN/WiFi):

- ✓ WPS
- ✓ AirPlay-configuration for iOS
- ✓ RC X App für Android & iOS über WiFi Access Point

1.13.2 Setup via WPS

WPS (Wi-Fi Protected Setup) is a standard for establishing a wireless network connection with encryption easily and securely. All you need to set it up is a Wi-Fi router with WPS functionality. Please refer to your router's documentation to find out whether your Wi-Fi router is equipped with WPS. A WPS connection is set up via the **Personal Setup** menu of your AVM device. Details on the full range of functions of the **Personal Setup** menu can be found in section 3.7. **Personal Setup.**

a) To access the Personal Setup menu, press and hold the button under “MENU” (7) until ‘SETUP’ appears instead of “MENU,” then release the button.

b) In the Personal Setup menu, you can select individual menu items using the menu buttons (5) and (6) and activate them using the SELECT menu button.

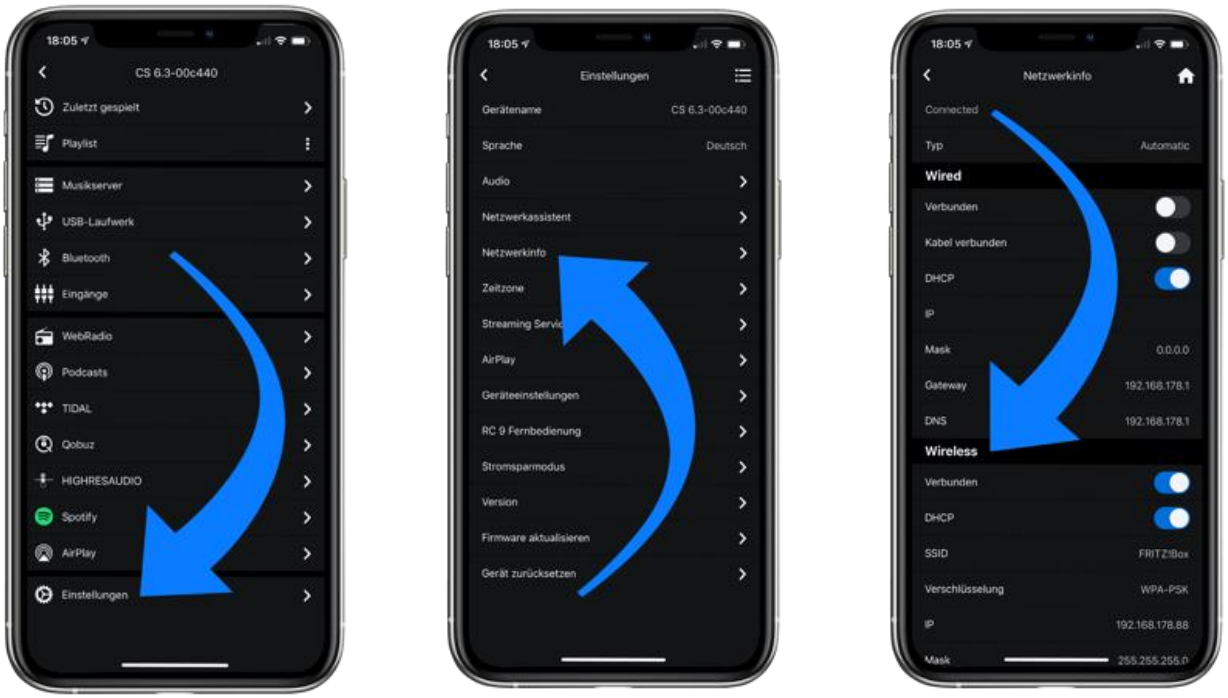
c) Now use the menu buttons (5) and (6) and the button under SELECT to select the WPS menu item.

d) Activate the WPS function by pressing the START menu button. The display shows 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 complete the process, press the BACK menu button and then exit the Personal Setup menu by pressing the EXIT menu button. Your device is now back in normal operating mode.

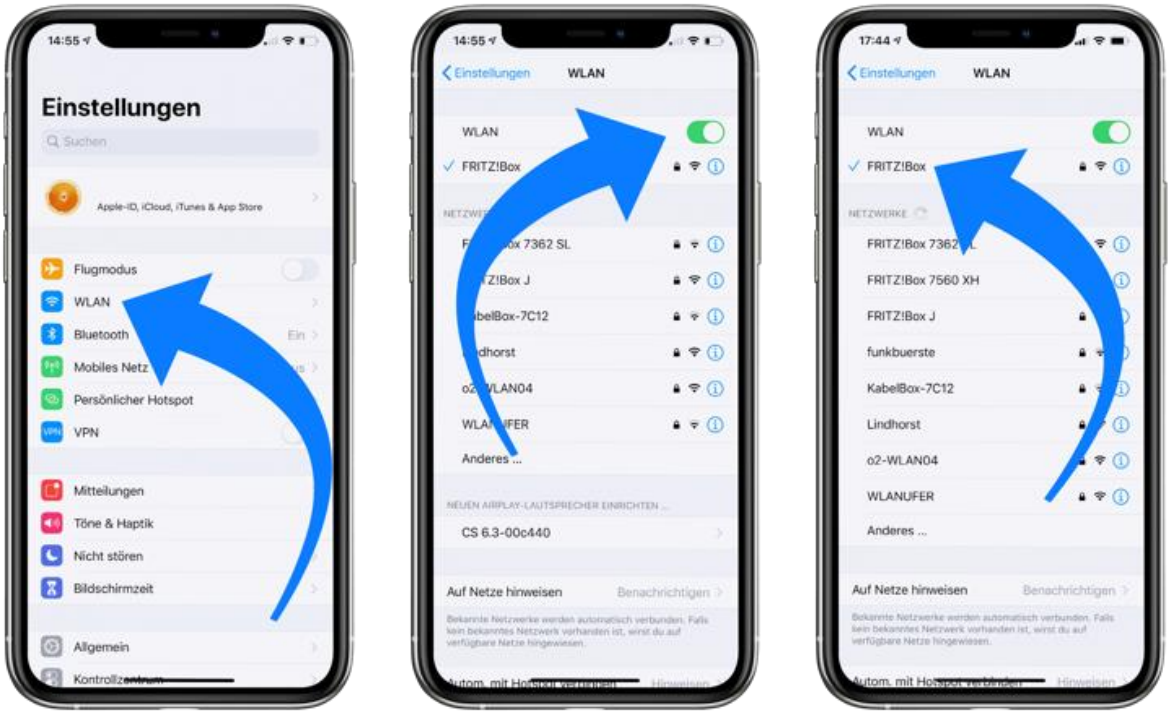


h) Your AVM device is now connected to your local wireless network (WLAN/WiFi) and ready for use.

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

j) Go to the Network Info menu item in the settings. In the Wireless section, you can view details about the WLAN configuration that has been carried out.

1.13.3 Setup via AirPlay configuration for iOS



a) First, switch off the AVM device completely using the power switch on the rear (16) and wait a moment before switching it back on.

b) Once your AVM device has completed the startup process and is in normal operating mode, open the Wi-Fi menu in the settings of your iPhone or iPad. Ensure that the Wi-Fi function is turned on and that your iPhone or iPad is connected to the desired Wi-Fi network.

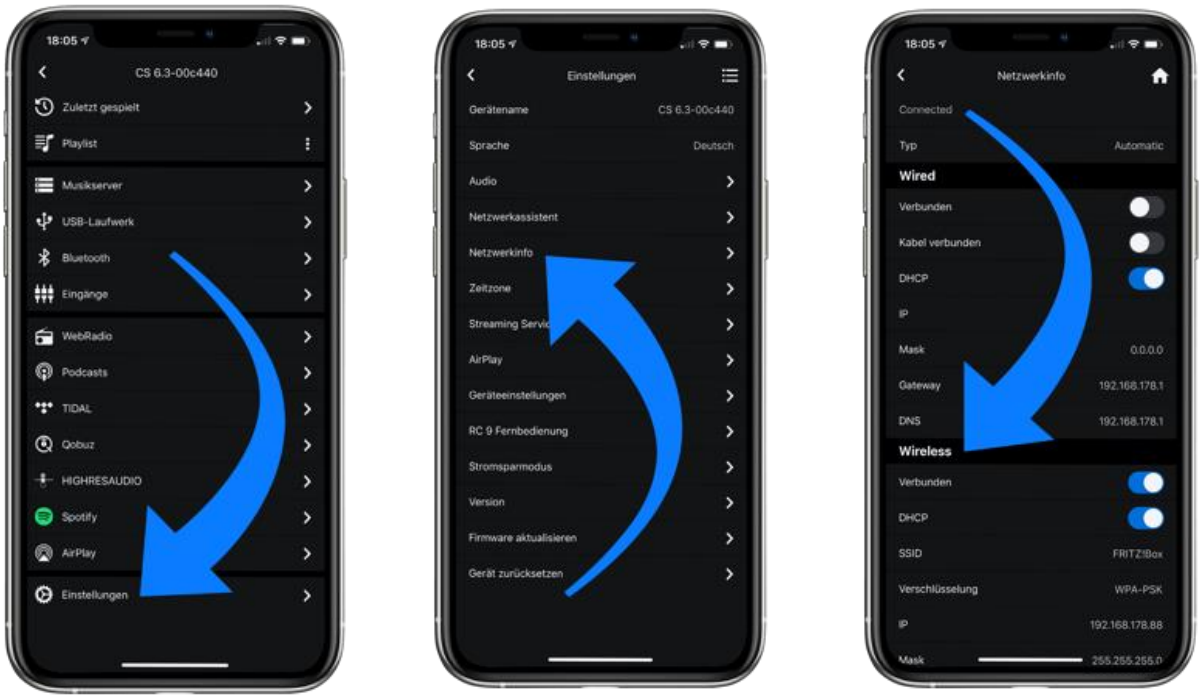
c) In the Wi-Fi menu, select the AVM device you want to connect to your Wi-Fi network under the menu item SET UP NEW AirPlay SPEAKER. In the example below, the AVM device is listed as CS 6.3-00c440. Wait a moment if the device is not displayed immediately. Your iPhone or iPad continuously searches for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

d) In the following menu, check AirPlay Configuration to ensure that the desired Wi-Fi network 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 Wi-Fi access data, including the password, will now be automatically transferred from your iPhone or iPad to your AVM device.oder iPad automatisch an Ihr AVM-Gerät übertragen.

Once the configuration is complete, you will receive a confirmation message, which you can acknowledge by clicking Done. Your AVM device is now connected to your Wi-Fi network and ready for use.

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 start the RC X app and select the AVM device from the start menu.

f) Go to the Network Info menu item in the settings. In the Wireless section, you can view details about the WLAN configuration that has been carried out.



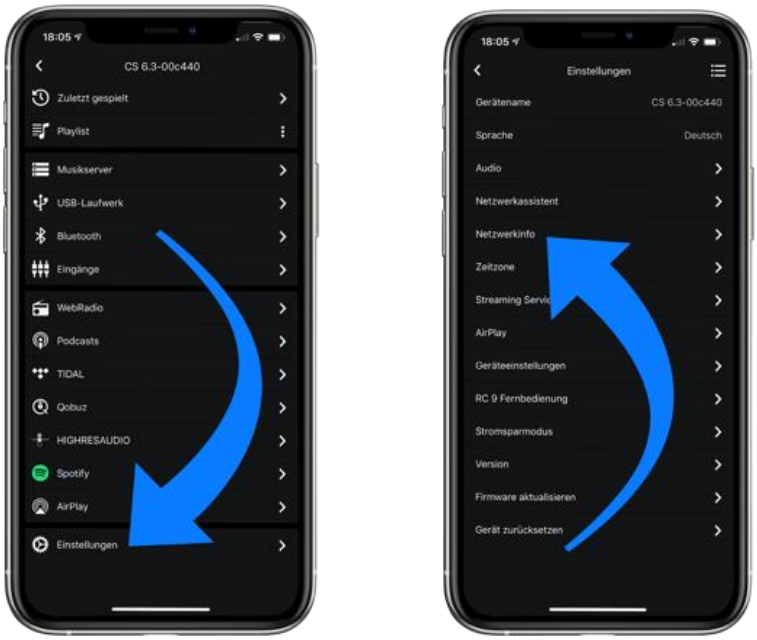
1.13.4 Einrichtung via Android über WiFi Access Point

a) Turn on your AVM device using the power switch (17) on the back.

b) Open the Wi-Fi settings on your Android device, select the Wi-Fi network from your AVM device labeled “softap_XXX,” and connect to it.

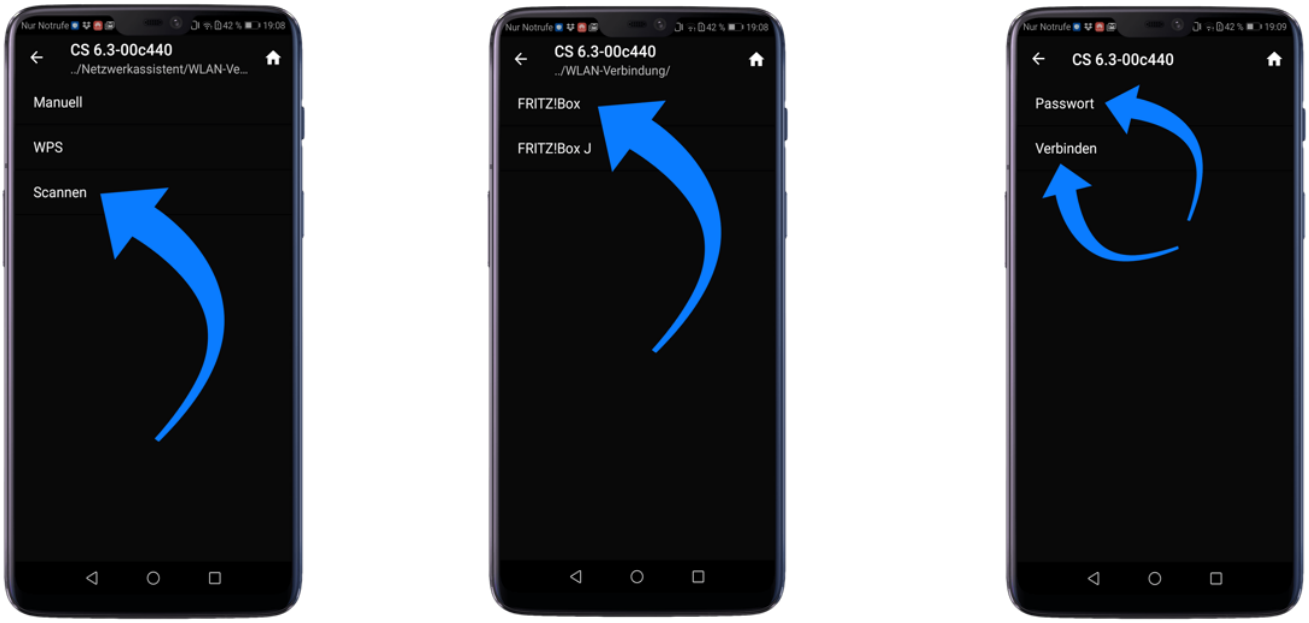
c) Then open the RC-X app, which you can download from the Google Play Store.

d) Go to the settings of your AVM device and open the network settings.



e) Use the Scan function to search for available Wi-Fi networks and select the desired Wi-Fi network once it appears in the search results. In the example below, the Wi-Fi network is named “FRITZ!Box.” A Wi-Fi network name is also referred to as an SSID.

f) Enter the network password for the Wi-Fi network and complete the setup by clicking Connect.



g) Go to the Network Info menu item in the settings. In the Wireless section, you can view details about the WLAN configuration that has been carried out.

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. The latest version of the RC X app is available for download from the Apple App Store or Google Play Store. Use the RC X app to check the installed AVM X-STREAM Engine® firmware version. Also, make sure that your device has an active Internet connection before performing either of the following steps (see section 1.14).

AVM X-STREAM Engine® update via the RC X app

a) Go to the “Firmware update” menu item in the settings 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 will restart to install the update. Do not switch off the device and wait until the update is completely installed. The update process may be shown on the device display.

d) Once the update process is complete, the device will restart and be ready for use again.

e) Open 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. If, contrary to expectations, the device does not restart, switch it 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

2.13 Initial switch-on and self-test

When switching on for the first time (power switch to ON), a self-test is performed if the device has been completely disconnected from the power supply or switched off using the power switch (17). The device checks the configuration and functionality of the built-in components. This process is indicated by a flashing standby LED (1) and may take some time.

2.14 Switching the device on and off

To switch on the device, set the power switch on the rear panel to ON. The device will then start up as described in the section above. To switch off the device, press the power switch (1). Before the device switches off, the text “Switching to Standby” appears on the display.

To switch the device on from standby mode, press the “power button” (1).

CAUTION: The device is not completely disconnected from the power supply in standby mode. To completely disconnect the device from the power supply, press the power switch (17) on the rear of the device or pull the power cable out of the mains socket (19)

2.15 Selecting the sound source

You can select a local sound source by turning the source selector switch (2), using the RC 3/RC 5 remote control, or using the RC-X app. The following are available: the CD drive (10), three analog high-level inputs (33), an XLR input (37), a coaxial digital input (25), an optical digital input (27), an HDMI ARC input (23), and a PHONO MM/MC input (31+32) . The selected sound source is shown in capital letters on the left side of the display.

Selecting other sound sources such as Spotify Connect®, Apple AirPlay, TIDAL, QOBUZ, HIGHRESAUDIO, web radio, podcasts, music servers, or USB drives (19) is normally done exclusively via the free RC X app for iOS and Android.

Spotify Connect®
Use your smartphone, tablet, or computer as a remote control for Spotify. Learn more at spotify.com/connect.

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

To use AirPlay on your CS/AS/PAS 8.3S:
- Make sure your device is connected to the network
- Open the app from which you want to use AirPlay on your iPhone or iPad
- Tap on
- Select your CS/AS/PAS 8.3S as the AirPlay device.

NOTE: If a digital input is selected and no compatible digital signal is present, the message NO DIG SIGNAL or NO ARC SIGNAL will appear on the display instead of the volume indicator. In this state, the volume cannot be adjusted due to the selected digital input.

2.16 Volume adjustment and volume limit

Use the rotary control (14) to adjust the volume. The increment of the volume change depends on the speed of rotation. Slow turning changes the level in steps of 0.5 dB, while 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 100%), 99.5 lim. appears on the display when this limit is exceeded. If the volume limit is reached via the app, the message Volume limit reached is also displayed there.

2.17 CD-player

When the built-in CD player is selected, you can operate its basic functions using the five menu buttons below the display. Advanced settings (repeat mode, shuffle, etc.) can also be accessed via the advanced CD player menu by briefly pressing the MENU button.

2.5.1 Inserting/ejecting the CD

Inserting the CD:
Instead of the usual tray, the device has a slot mechanism through which the CD is inserted. Insert the CD (with the silver reflective layer facing downwards) into the slot (8) until it is approximately 3 mm inside the slot. It will now be inserted automatically. The player then reads the CD's table of contents and displays it. The current track is shown on the left, with the total number of tracks on the CD next to it (e.g., “1/17”). The playing time is shown in the middle of the display.

NOTE: If there is already a CD in the drive, the slot is blocked. If the CD is unreadable, or if you have accidentally inserted a data CD or DVD, the message “no audio disc” will appear.

Ejecting the CD:
The STOP menu button stops playback. This menu button then changes its function to EJECT and ejects any CD that is inserted.

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

2.5.2 PLAY, PAUSE, STOP

You can select a specific track before playback using one of the menu buttons |<< or >>|. Pressing briefly switches to the next higher/lower track. Pressing and holding automatically cycles through the track numbers. The number of the currently selected track is shown above the selection buttons in the display (TRACK). Pressing the PLAY menu button starts playback. The button then changes its function to PAUSE. Pressing the button again pauses playback, pressing it again resumes playback (PLAY). During playback, the track number and current playing time are shown on the display. The STOP menu button stops playback.

2.5.3 SKIP, SEARCH (track selection, search)

During playback, you can use one of the menu buttons |<< or >>| to select a specific track or search for a specific point within the current track. A short press switches to the next or previous track. If more than 5 seconds of playback time have elapsed, pressing the left menu button once will skip to the beginning of the track. Pressing the button again will skip to the previous track.

Pressing and holding the button 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.

2.5.4 Repeat Mode

To select one of the available repeat functions, press the MENU button and use the menu buttons (5) and (6) to select the REPEAT menu item with the SELECT button. Then use the menu buttons (5) and (6) to select the desired repeat mode: REPEAT repeats only the currently selected track. REPEAT ALL repeats the entire CD. The current mode is indicated by a corresponding symbol in the upper left corner.

2.5.5 Shuffle

To activate the random playback mode, press the MENU button and use the menu buttons (5) and (6) to select Shuffle and confirm with SELECT. You can then use the menu buttons (5) and (6) to activate (On) or deactivate (Off) random playback. Confirm your selection with APPLY. Press the PLAY menu button to start random playback once you have exited the menu. A corresponding symbol in the top left corner indicates when random mode is activated.

2.18 Bluetooth

The integrated Bluetooth function enables wireless transmission of 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, you must first pair a compatible Bluetooth player with your AVM device (see section 2.6.1 below). Please also ensure that the Bluetooth antenna is attached to the antenna connection (15).

NOTE: When screwing on the supplied antennas, make sure that they are aligned straight. Only then should you angle the antennas to the desired position.

2.6.1 Pairing

To activate the Bluetooth input (BT), use the source selector switch on the front (2) or the RC X app. By opening the Bluetooth menu in the RC X app, you can connect and locate your CS/AS/PAS 8.3S in the Bluetooth menu of your player. You can also manage the devices that are already paired in the Bluetooth menu in the app.
To connect to the CS/AS/PAS 8.3S, navigate to the Bluetooth menu on your player, make sure that the Bluetooth function is activated, and start searching for available Bluetooth devices in your vicinity. For details on how to use the Bluetooth function on your player, refer to the corresponding operating instructions..

Once the AVM device appears in the selection menu of available Bluetooth devices on your Bluetooth player (identified as AVM-x-xxxx*), select the AVM device as the audio playback device and wait a moment for the connection to be established. When the pairing process is complete, CONNECTED will appear in the lower left corner 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, you must first disconnect the existing connection. You can do this in the RC X app for iOS and Android under the Bluetooth menu item.

2.19 Detailed adjustment to the pickup

For optimal playback quality, each pickup should be operated with a suitable termination impedance/capacitance. The CS/AS/PAS 8.3S offers a wide range of options for this purpose.

2.19.2 Choosing the right pickup system (MM or MC)

As already explained in section 1.5.2, it is very important to select the right type of pickup system. The menu items described in the following two sections are adapted to the pickup depending on the settings in this section.

2.19.3 Terminating impedance/capacitance setting

For optimal playback quality, each pickup should be operated with the appropriate termination impedance or termination capacitance. This is particularly important for MM systems, as the termination capacitance generates a high-frequency resonance that extends the frequency response upwards. If the capacitance is too low, the pickup may sound less brilliant; if the capacitance is too high, the resonance shifts too far down and causes severe exaggerations in the high frequency range. The sound is often harsh and unpleasant.

We recommend consulting the operating instructions for your pickup system before adjusting the impedance or capacitance. The optimum termination impedance is usually specified there. Otherwise, the following rule of thumb applies approx. 200 pF capacitance for MM systems, 100 ohms termination resistance for MC systems.

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

The termination resistance or capacitance can be set (preferably while a record is playing) using the app or on the device itself.

NOTE: Please note that the termination capacitance of MM cartridges is increased by approximately 100 pF due to the capacitance of the cable. Therefore, select a setting on the CS/AS/PAS 8.3S that is approximately 100 pF below the capacitance recommended by the manufacturer.

It is worth experimenting to find the settings for the best sound. Incorrect settings will not damage the pickup or the CS/AS/PAS 8.3S.

2.19.4 Einstellung der Verstärkung

The output voltage of pickups is not standardized. There are therefore very “loud” and very “quiet” models. However, this has nothing to do with their sound quality. To accommodate every pickup, the gain of the CS/AS/PS 8.3S can be adjusted.

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

NOTE: If the gain is too high, this can lead to input overload and consequently to distortion.

3 Advanced settings (MENU)

In addition to the basic functions, the device offers a wide range of options for customizing it to your personal requirements. These functions can be accessed via a menu that can be operated using the menu buttons below the display. During normal operation, the middle menu button is labeled MENU. Pressing this menu button takes you to the “Advanced Settings” menu. The button label on the same menu button will now change to EXIT. Pressing the button again will exit the “Advanced Settings” menu and return you to normal operating mode. In the “Advanced Settings” menu, the individual menu items can be selected using the (5) and (6) buttons and selected with SELECT – the selected item is shown on the display. Use the (5) and (6) buttons 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 sound sources using the source selection dial (2), change the volume using the volume control (11), or switch off the device. To do this, first exit the Advanced Settings menu using the menu button labeled EXIT.

3.13 Global settings

The following settings are available for each input group, regardless of whether it is digital, analog, stream, CD, etc.

3.1.1 Balance

The Balance function allows you to shift the right-left balance to the left or right within a range of ±6 dB to compensate for asymmetries.

3.1.2 Set Tone Control

The Tone Control menu item activates the device's tone control, which allows you to adjust the bass and treble levels in the sound image as well as the loudness setting. In the LINEAR position, the tone control is deactivated (however, any settings made are still saved). In the TONE ON position, the tone control is ready for use and is activated as soon as you make a setting under Bass, Treble, or Loudness. However, if a neutral setting (BASS = 0, TREBLE = 0, Loudness = 0) has been selected, the tone control remains deactivated even in the ACTIVE position until one of these parameters is changed. If no neutral setting has been made, the active tone control is shown in the upper part of the display.

Base and treble can be raised or lowered either for all inputs together (GLOBAL) or specifically for the currently selected input (INDIVIDUAL). If individual settings are desired, the inputs must first be configured via the setup (see section 3.8.5). This is useful, for example, to compensate for weak bass from the turntable without boosting the bass from another input source.

NOTE**:** The loudness function setting (Loudness) depends on the speakers and the room and is therefore generally valid for all inputs. Once the tone control under Tone Control is set to LINEAR, the Bass, Treble, and Loudness menu items are not displayed.

3.1.3 Bass

The Bass menu item allows you to adjust the bass response from –6 to +6 dB. If a global setting is selected for all sound sources, GLOBAL is displayed in the upper right corner of the display; if an individual setting is selected, INDIVIDUAL is displayed.

3.1.4 Treble

The Treble menu item allows you to adjust the high-frequency response from -6 to +6 dB. If a global setting is selected for all sound sources, GLOBAL is displayed in the upper right corner of the display; if individual settings are selected, INDIVIDUAL is displayed.

3.1.5 Loudness

When listening to music at low volume, the sound often seems flat and dull. This is due to a characteristic of the human ear: bass and treble frequencies are not perceived as well at low volumes. The “auditory volume adjustment” (loudness) is designed to correct this effect by boosting bass and treble when playing quiet music and gradually transitioning to a linear frequency response as the volume is increased. Careful adjustment is necessary for this compensation to achieve its full effect. Therefore, proceed as described below:

Select a sound source and set a moderate listening volume. Then switch to the Loudness menu. Now use menu buttons (4) and (5) to select one of a total of 9 available loudness values until the sound appears balanced and pleasant to you. As soon as you exit the menu (menu button APPLY), the selected setting is saved. Any change to the volume setting will now result in an aurally correct adjustment of the bass and treble levels.

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

3.14 Analog inputs

For analog inputs, only the settings from the global settings are available.

3.15 Digital inputs (COAX, OPTO, ARC)

After selecting a digital input, another setting option will be displayed in the menu.

3.16 Streaming input, CD player, and USB

If you select the CD player or USB input, separate settings are also available.

3.4.1 Repeat Mode

In this menu, you can set various repeat modes: REPEAT repeats only the currently selected track. REPEAT ALL repeats the entire CD/folder contents.

3.4.2 Shuffle

You can use this option to enable or disable random playback.

3.4.3 Filter

Press the menu button (5) to access the filter settings. Here you can choose between the available filter settings for the selected digital input.

You can select the STEEP and SMOOTH filter settings according to your sound preferences. Depending on the signal being reproduced, different filter settings can produce optimal sound results. Technically speaking, STEEP means steep filtering at the end of the band with a flat amplitude frequency response but strong phase shift. SMOOTH, on the other hand, filters less steeply and has a slight amplitude drop before the end of the band, but a smaller phase shift. The selected filter setting only applies to the current input and remains stored even after the device is switched off.

3.4.4 Metadata usage

In this menu item, you can choose whether metadata (if available) is displayed on the screen (2). You can choose between On (default) and Off.

3.17 Phono input

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

3.18 Bluetooth input, Internet radio, AirPlay, podcast

After selecting these inputs, additional settings are available here as well.

3.19 Setup

The Setup menu offers a range of additional settings options for customizing the device to your personal requirements. To access the Setup menu, press and hold the Menu button (5) until MENU SETUP is displayed.

In the “Setup” menu, you can select the individual menu items using the menu buttons (4) and (5) and activate them using the SELECT button (8). You can then use the menu buttons (4) and (5) to change the value of the selected function. Once you have made the desired settings, press the menu button labeled APPLY. You can then edit other menu items. Press the EXIT menu button to exit the “Setup” menu.

NOTE: You can easily and conveniently adjust the settings described in the following section using the RC X app for iOS and Android.

3.7.1 Display

In this menu, you will find the various settings for the display (3).

3.7.1.1 Display Brightness

Sets the brightness of the display from 25% (dark) to 50% (normal) to 100% (bright).

NOTE: The brightness setting 100% can lead to uneven brightness of individual segments of the display due to “burn-in effects” during long periods of operation. Therefore, do not leave the device on with this setting for unnecessarily long periods of time. Switch it to standby 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 (NUR CS/AS/PAS 8.3 S)**

Sets the color with which your tube is illuminated.

3.7.1.4 **Display Mode**

Sets whether the display is always ON during operation.
Setting options: Always On, Always Off, On Use

3.7.1.5 **Permanent Volume Display**

In this menu, you can set whether you want the current volume to be displayed permanently or only temporarily.

3.7.1.6 **Scroll Text**

Sets whether, for example, the text “scrolls” to display the entire text in the case of long title names, or whether your device should not display this.

3.7.1.7 **Play Time**

In diesem Menü können Sie anpassen, ob im Display bei dem Abspielen von Titeln (z.B. über den CD-Player) nur die Zeit, nur eine Zeitleiste oder beides gleichzeitig anzeigt. Standardmäßig werden die Zeit und die Zeitleiste angezeigt.

3.7.1.8 Remaining Time Display

Here you can customize whether the total time or the remaining time of the current track is displayed when a track is playing.

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 that the device has set after startup.
You can choose between LAST LEVEL (default), 50%, 60%, and 70%.

3.7.2.2 Volume Limit On Activate

This is where you set the volume limit that will be applied when switching inputs if the volume exceeds this limit.

3.7.2.3 Volume Limit

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

3.7.2.4 Source Gain (Home Theater Loop)

In a surround sound system, the level adjustment of all channels and bass management are performed on a corresponding surround decoder (e.g., an AV receiver). This signal should not be changed, as otherwise the balance between the channels will be lost.

The CS/PAS 8.3S offers a source fix function for this case. This allows you to operate the analog inputs RCA 1, RCA 2, and RCA 3 (33) with a fixed gain setting. If the source fix function is activated, the signal is reproduced with a fixed gain setting 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 or balance settings. In addition, the CS/AS/PAS 8.3S can be switched on via the trigger input using your AV processor (see section 3.7.3.4).

The source fix function is also available for the COAX (25) and OPTO (27) digital inputs. In contrast to the analog inputs, however, the sound settings (e.g., BASS, TREBLE) and balance settings 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.

3.7.2.5 Input Gain

The signal sources in a hi-fi system often have different levels. Switching between them causes a jump in volume, which can be prevented by adjusting the input sensitivity of the inputs individually.

Use the source selector switch (2) to select a local digital or analog input (23, 25, 27, 31, 33, 37) and set the listening volume to a comfortable level using the volume control (11). Switch to other inputs to check whether the levels are approximately identical. If you notice a deviation, you can adjust it using this function. Use the menu buttons (5) and (6) to select the INPUT Gain menu and the corresponding source. You can then use 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 device returns to normal operating mode.

By switching back and forth between the individual sources using the source selector switch (2), you can compare the set levels and adjust the sensitivity of all analog and digital inputs—including CD and USB—accordingly.

3.7.3 Inputs

Personal settings for the inputs can be made here.

3.7.3.1 Skip Unused Inputs

If you do not need all analog and digital inputs, the unused inputs can be deactivated (SKIPPED). When selecting sources with the source selector switch (12), all inputs defined as SKIPPED are automatically skipped and cannot be selected using the UP/DOWN function on the remote control. The settings can be reversed at any time by calling up the menu item again (Input ACTIVE).

Skipping unused inputs makes it easier for you to operate the source selection button (12) and the UP/DOWN function on the remote control. However, hidden inputs can still be selected via the RC X app.

3.7.3.2 Input Names

You can use the “Input Names” menu item to change the input names of sound sources on the display (4) as desired. A name can contain a maximum of 8 characters. The name can be changed conveniently using AVM's RC-X APP.

NOTE: To rename the input in the app, select your CS/AS/PAS 8.3S in the overview, go to Inputs, and press the 3-dot icon on the right side of the input you want to rename. You can then rename the input using the keyboard after pressing “Rename Input.”

3.7.3.3 AUTO-ON

This menu allows you to set which inputs of the device can wake up from standby mode when a signal is received. All digital inputs as well as inputs RCA 1-3 and XLR are available for selection.

3.7.3.4 Switching on via trigger

Here you can select which source should be started when a signal is present at the trigger input (20). You can choose between the last source, XLR, and RCA 1-3.

With this function, you can, for example, easily and reliably switch on your CS/AS/PAS 8.3S to fully integrate the device into a home theater system.

3.7.4 Output

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

3.7.4.1 Speaker (ONLY CS/AS)

The CS/AS 8.3S features an A/B switch for the speakers, allowing you to connect a second pair of speakers to your device. In this menu item, you can set your configuration. You can choose between A, B, and A+B.

CAUTION: If you use both speaker outputs (A+B), the impedance of each speaker must not fall below 8 ohms.

3.7.4.2 Internal Power amp

This function allows you to activate or deactivate the speaker outputs (13, 14, 39, 40). The selected setting is permanently saved and can be changed again 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 headphones are used at the front.

3.7.4.4 Digital Output Volume

In this setting, you can specify whether the signal for the digital outputs (optical and COAX) is fixed or volume controlled.

3.7.4.5 Trigger External AMP by audio

When using AVM power amplifiers, you can switch them on and off via the connected audio cable. This makes it easier for you to operate your system.

3.7.5 Tone Control (INDIVIDUAL)

The Tone Control menu item allows you to determine whether bass and treble adjustments made using the tone control electronics (see Section 3.1: Bass, Treble, Loudness) should apply to a single audio source (INDIVIDUAL) or to all audio sources (GLOBAL). You can make this setting individually for all inputs.

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® remains in constant operating readiness in Network Standby mode, even in standby mode. Please note that this increases power consumption. If you want to save energy, select Standby mode in this menu.

To switch the device back on from standby mode, simply approach it. The built-in proximity sensor automatically activates the device. Your AVM device cannot be detected by the RC X app for iOS and Android in standby mode and cannot be woken up from standby mode.

3.7.7 Auto Standby

For energy-saving reasons, the device is equipped with a circuit that automatically puts the device into standby mode if no music signal is present at the currently active input for more than 20 minutes. This function is activated by default (ACTIVE) and can be permanently deactivated via this menu item (NOT ACTIVE).

3.7.8 IR Control

The RC 3 and RC 5 can be used to operate the device's basic functions. To receive the infrared signal from these remote controls, the IR Control function must be activated (ON).

3.7.9 INFO

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

3.7.10 NETWORK

Here you will find information about network connections. (including: WLAN/ETHERNET; IP address; MAC address; SSID)

3.7.11 WPS

WPS allows 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 device menu can also be easily changed using the new RC X app for iOS and Android.
For step-by-step instructions to connect to the network, see section 1.13.

3.8.1 device name

Here you can customize the name of the device in the network or individually name a listening area, e.g., living room, kitchen, etc.

3.8.2 language

Die Einstellungen der APP-Sprache können hier angepasst werden (Deutsch/ Englisch).

3.8.3 Audio

In this menu, you can adjust the tone control settings directly in the app. This means 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, additional settings can also be displayed and changed here. For example, when 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/AS/PAS 8.3S to the network. Step-by-step instructions for this can be found in section 1.13.

3.8.5 Network info

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

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 adjust the data rates.

3.8.8 device settings

In this menu, you can configure most of the settings from Personal Setup directly in the free RC-X app.

3.8.8.1 Display

Here, as described in section 3.7.1, you can configure various settings for the display. These include brightness, the proximity sensor, and the display mode.

3.8.8.2 Volume Control

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

3.8.8.3 Input

Here, as in Personal Setup, you can skip unused inputs. To do this, simply select or deselect the required inputs to decide which ones are displayed or skipped. (See section 3.7.3.1).

3.8.8.4 Outputs

This menu item provides you with the various settings for the outputs as well 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 levels should be adjusted via the sound control (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 from the additionally available IR remote controls (RC3/RC5/RC8), the IR Control function must be activated (ON).

Action buttons P1-P3 on the RC 5: You can also use this menu item to assign functions to the P1 to P3 buttons on the RC 5. This allows you to call up inputs, web radios, favorite music, and some settings directly from the remote control. You can also use it to start the devices directly.

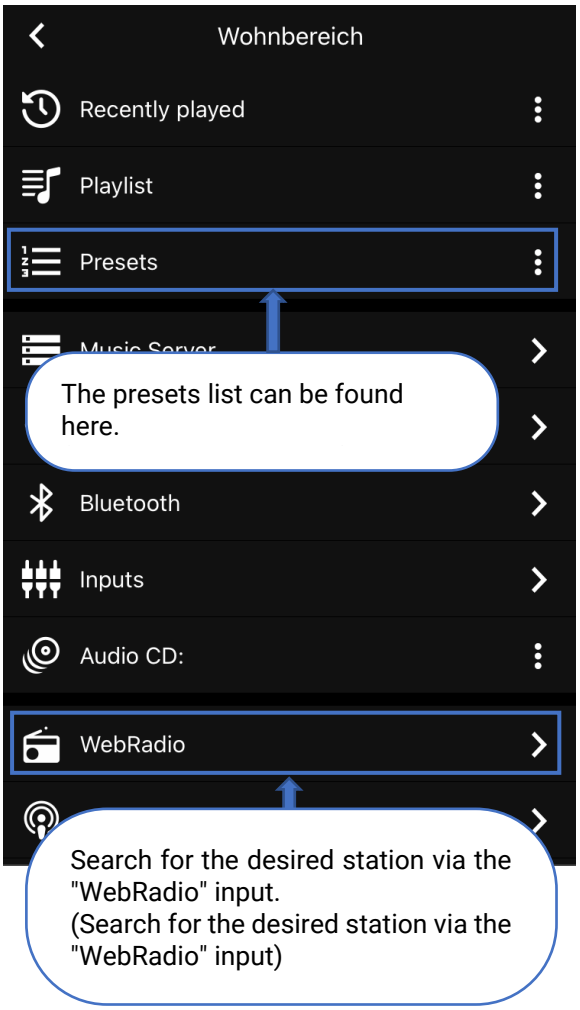
3.8.9 Preset functions

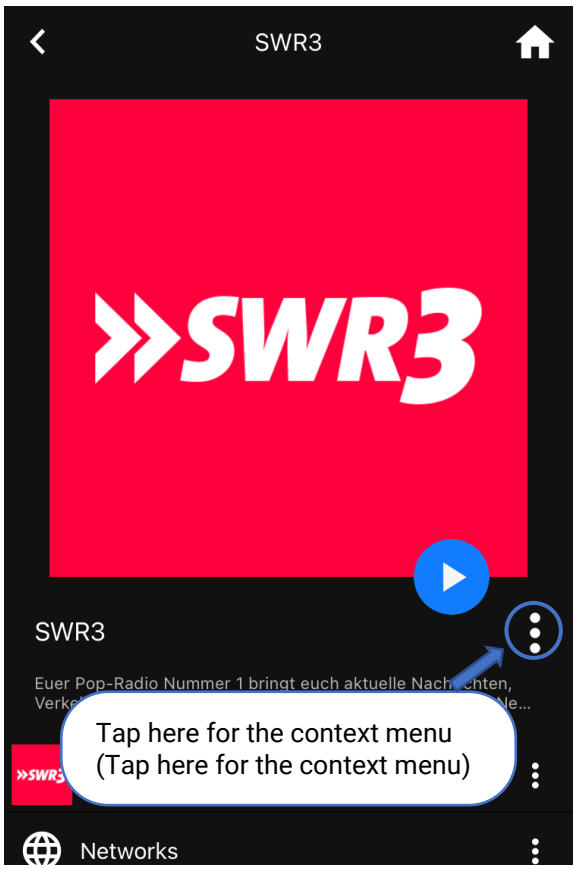
The preset function allows you to add quick selections to the app and source selection and access them directly. Up to 20 presets can be freely defined and filled with radio stations, UPnP tracks/albums/..., QOBUZ or TIDAL tracks/albums, and much more.

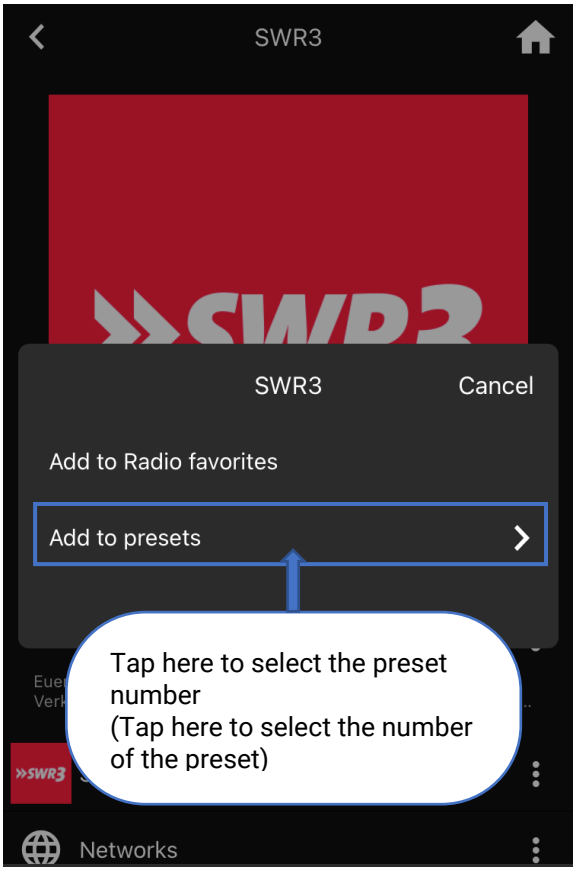
3.8.9.1 Create presets

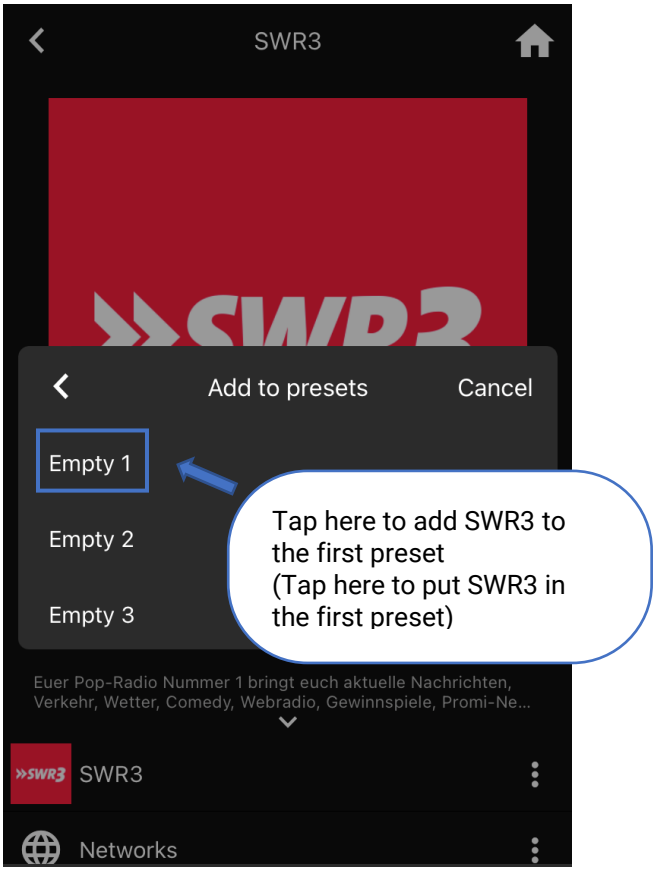
You can see how to add presets in the following images using web radio and a UPnP album.

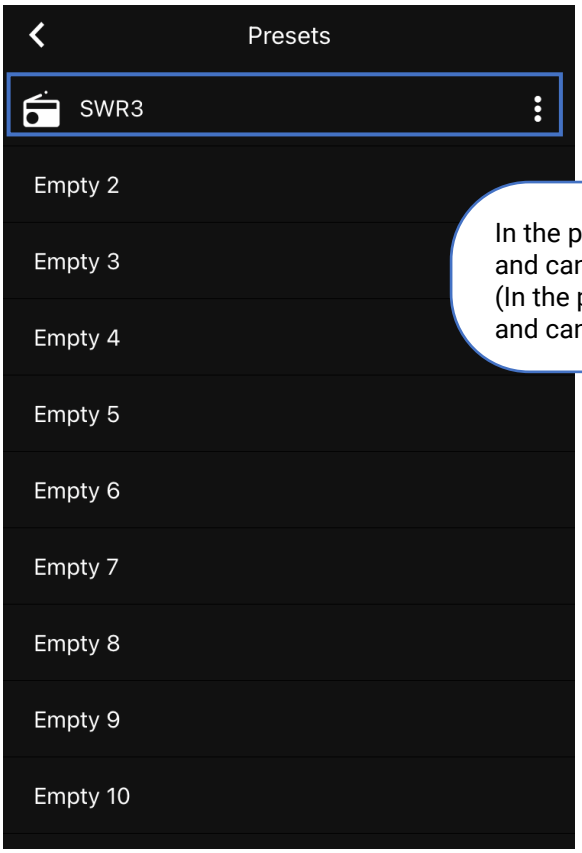
i. Add a web radio station:



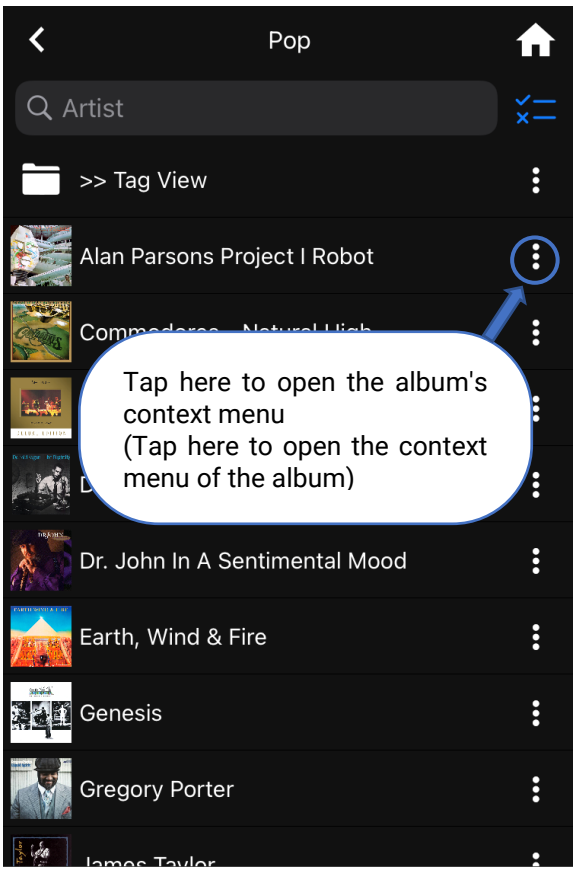


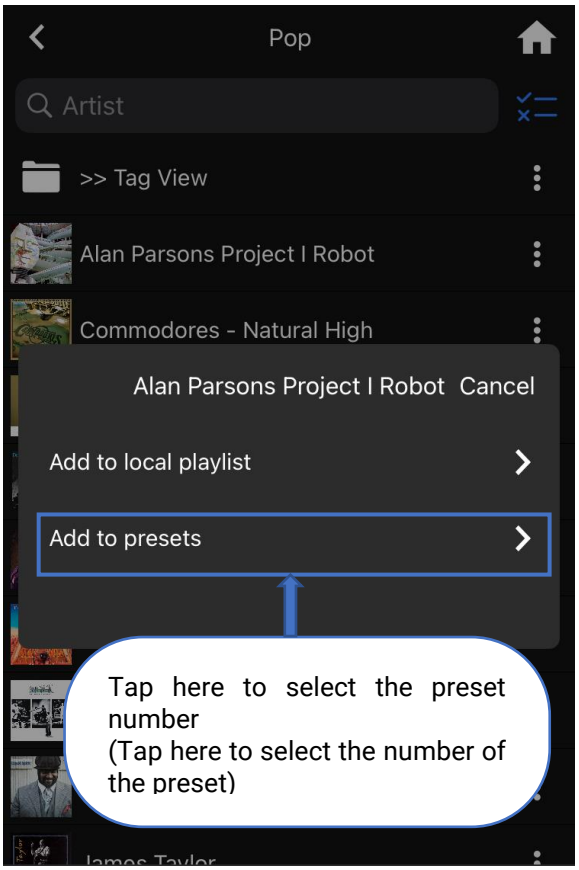

SWR3
SWR3
Cancel
Add to Radio favorites
Add to presets
Tap here to select the preset number
(Tap here to select the number of the preset)
Networks

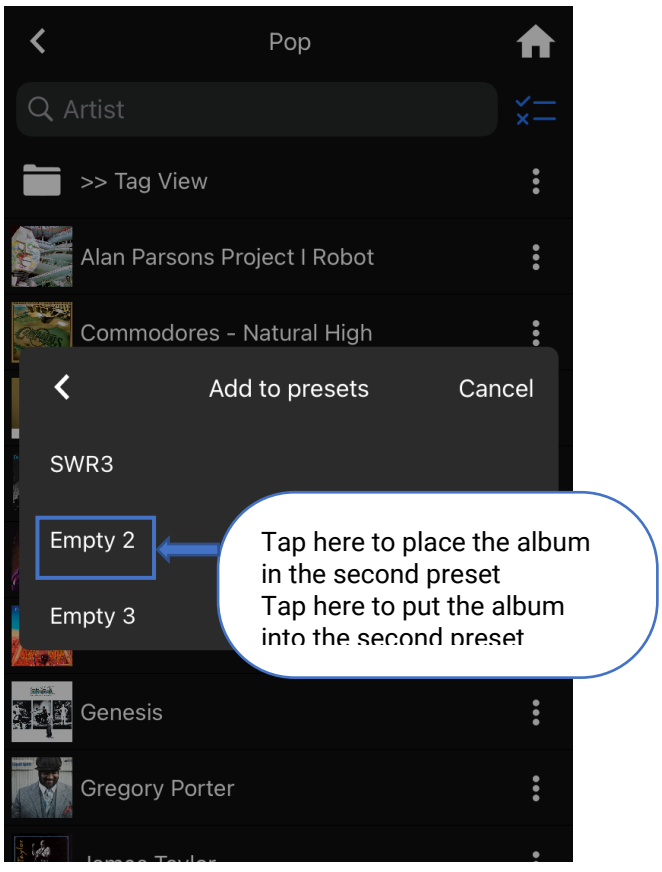

SWR3
Add to presets
Cancel
Empty 1
Empty 2
Empty 3
Tap here to add SWR3 to the first preset
(Tap here to put SWR3 in the first preset)
Euer Pop-Radio Nummer 1 bringt euch aktuelle Nachrichten, Verkehr, Wetter, Comedy, Webradio, Gewinnspiele, Promi-Ne...
SWR3
Networks

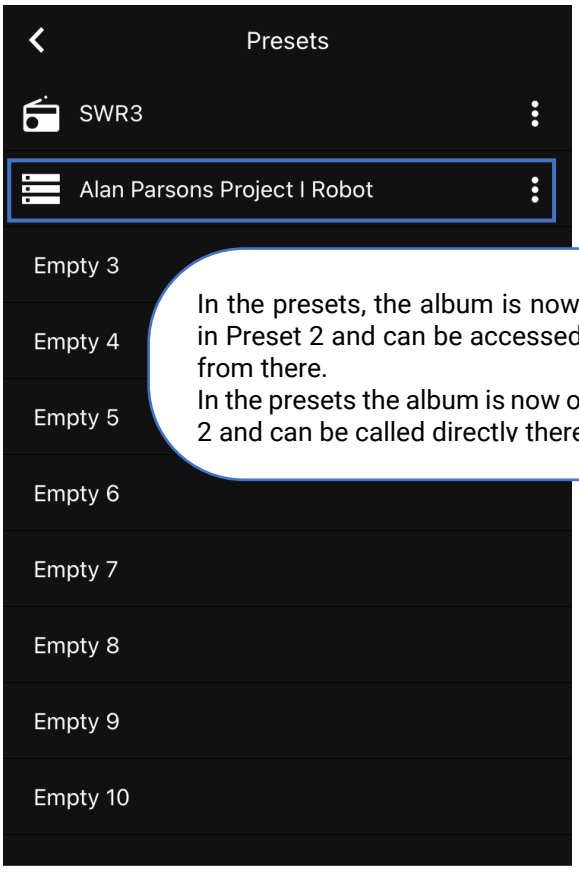

Presets
SWR3
Empty 2
Empty 3
Empty 4
Empty 5
Empty 6
Empty 7
Empty 8
Empty 9
Empty 10
In the preset list, SWR3 is now on preset 1 and can be selected directly there. .
(In the preset list SWR3 is now on preset 1 and can be selected there directly. werden.)

ii. Add a UPnP source:



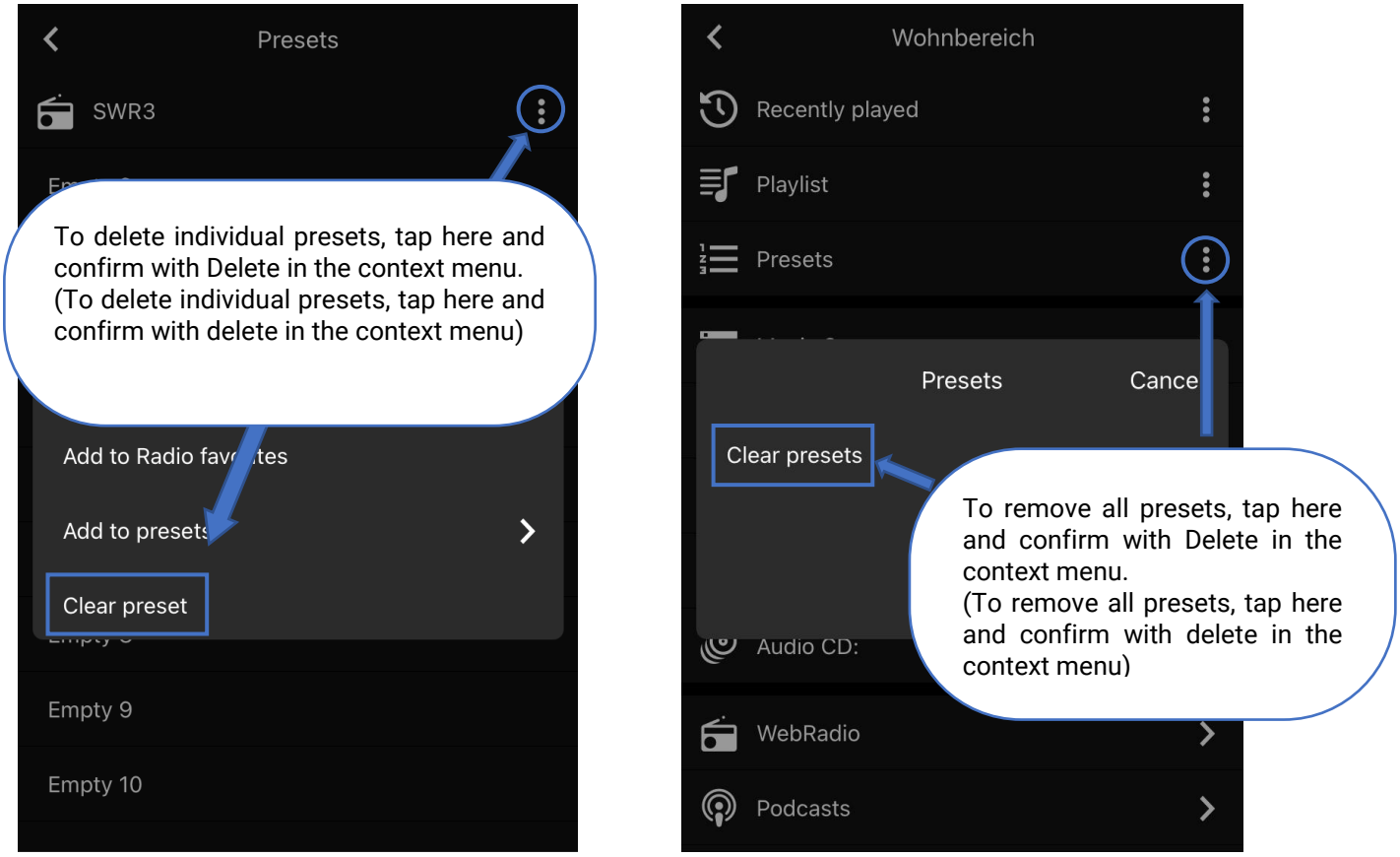






3.8.9.2 Clear preset

The presets can be deleted either individually or completely.
On the left side of the image, you can see the option to delete individual items, and on the right side, you can see the option to delete the entire preset list.



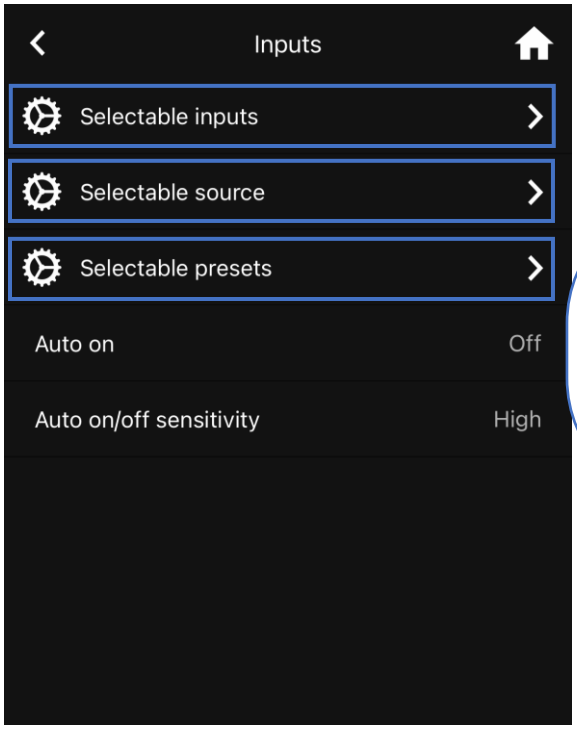
3.8.9.3 Add preset to input selection

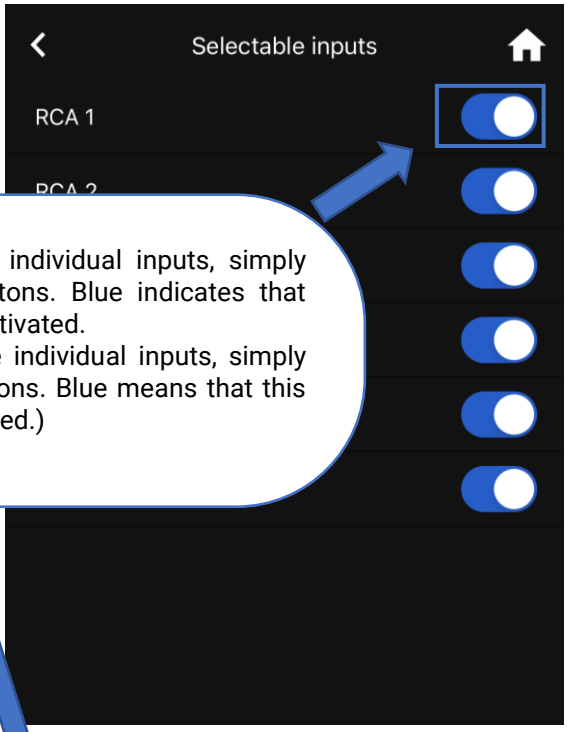
You can flexibly configure the source selection of the new .3 streaming devices in the AVM30, INSPIRATION, EVOLUTION, and OVATION lines using the new OLED display with PRESETS.
Under Settings/Device Settings/Inputs, you can customize the input selection using the Input button or the remote control in the Selectable Inputs, Selectable Sources, and Selectable Presets menus.

Selectable inputs: Here you can set which device-specific local sources are selectable. (e.g., CS 2.3: All enabled by default: RCA1, RCA2, PHONO, COAX, OPTO, TV)

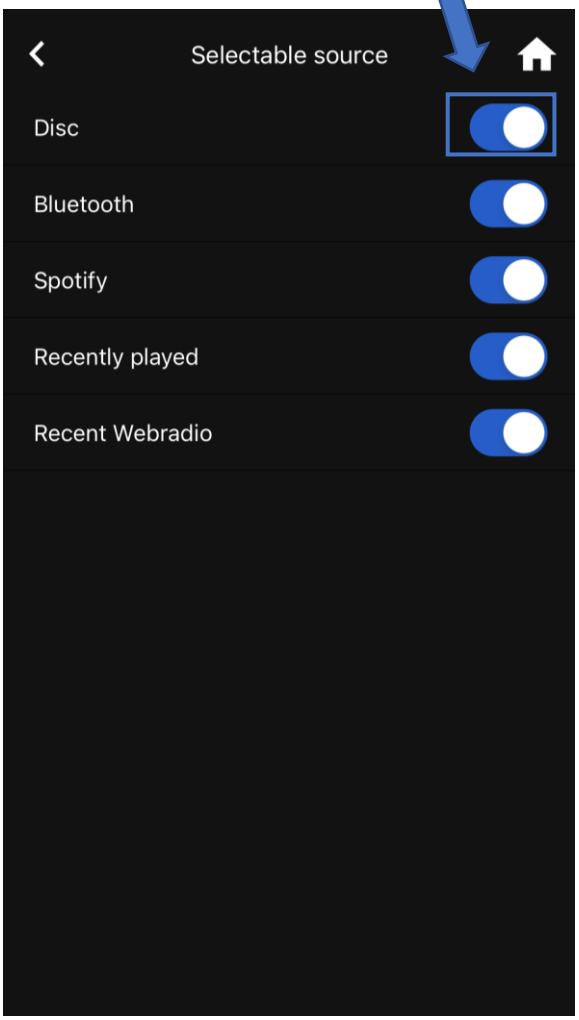
Selectable sources: Here you can set which digital sources are selectable.
All on by default: Disc, Bluetooth, Spotify (only if connected to Spotify once), Last played, Last played web radio station)

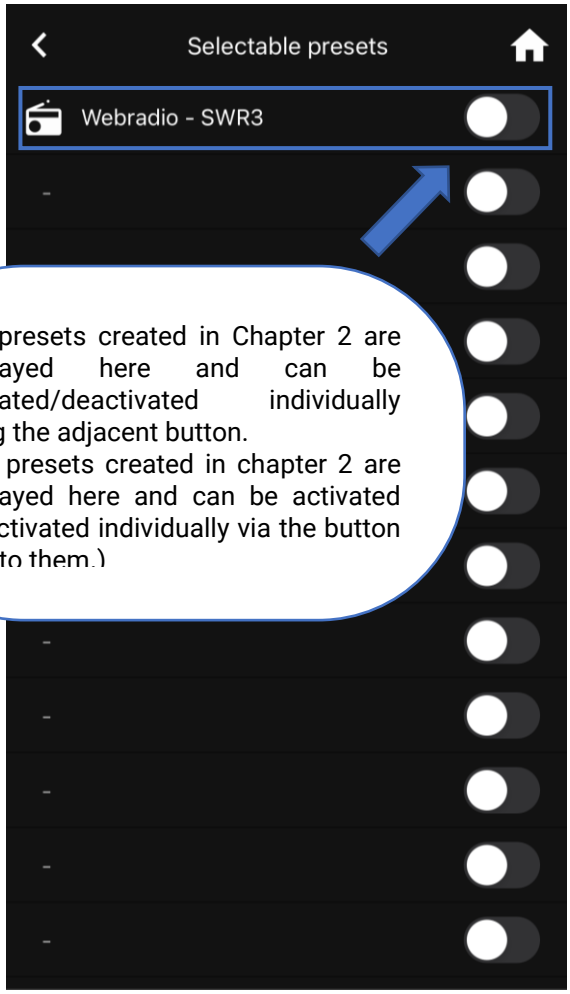
Selectable presets: Here you can set which presets are available as sources. To display presets in this menu, you must first add them as explained in Chapter 2. You can then enable or disable the presets for source selection as desired.





To deactivate individual inputs, simply press the buttons. Blue indicates that this input is activated.
(To deactivate individual inputs, simply press the buttons. Blue means that this input is activated.)





The presets created in Chapter 2 are displayed here and can be activated/deactivated individually using the adjacent button.
(The presets created in chapter 2 are displayed here and can be activated /deactivated individually via the button next to them.)

3.8.10 STANDBY / NETWORK-STANDBY

In this sub-item, you can also set the sleep mode in which you want to operate the device (sleep mode with or without network access) and the time after which the device automatically switches to sleep mode. For more information, see sections 3.7.6 and 3.7.7.

3.8.11 Version

Here you can view various information about the installed version.

3.8.12 Firmware update

You can use this menu to perform firmware updates as soon as they become available. First, the system checks whether an update is available online or on a USB stick.

3.8.13 Factory reset

Here you can trigger a factory reset via the app. For more information on factory resets, see section 3.9.

3.9 Factory Reset

Go to the SETUP menu by holding down the menu button (7). Find and select the item "Factory reset." Select your desired RESET here.

The device will now reset to its factory settings and then restart in normal operating mode.

Alternatively, a factory reset can also be performed easily via the RC X app for iOS and Android or the SETUP menu. To do this, select the "Reset device" menu item in the RC X app settings and confirm the reset. The device will now reset to its factory settings and then restart in normal operating mode.

ATTENTION: Performing a factory reset will cause all your settings to be lost! Therefore, please make a note of your settings beforehand (e.g., values for GAIN, etc.) to make it easier to reapply the settings after the reset.

4 Appendix

4.1 Care of the housing

The surface and pressure of the housing and the display screen are largely scratch-resistant. These can be cleaned with mild soapy water or glass cleaner and a soft dust cloth.

CAUTION: When cleaning, do not allow any liquid to enter the interior of the housing. In addition, for safety reasons, the power cord should be disconnected before wiping with a damp cloth. Do not use solvents or abrasive cleaners that could damage the surface or printing on the housing.

4.2 troubleshooting

Often, supposed defects can be traced back to incorrect operation, and sometimes other components connected to the device are responsible for malfunction. Before contacting your dealer or us about a defect, please check the following list to see if you can fix the malfunction yourself.

1. No music playback

a) The MUTE function is active. Deactivate it.

b) Accidentally switching to standby mode using the remote control. Press the power button.

c) If the display is dark and the STATUS LED (3) is not lit, the mains fuse may be defective. As 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 dealer.

2. Remote control not working:

a) The battery/rechargeable battery in 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 device, or the distance is too great.

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

- Either a dirty or defective CD was inserted, no CD was inserted, or the CD was inserted upside down (label side down instead of up).
- Eject the inserted CD and insert it correctly.
- Insert the CD the right way round if it has been inserted incorrectly.
- Clean the dirty CD and insert it again.

4. Lip sync not synchronized on digital inputs

If, despite supported low-latency technology, lip synchronization is not correct, your TV often offers its own setting to compensate for this. Your OVATION 8.3 S does not have its own setting for this.

5. HDMI ARC not working

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

Was the HDMI INPUT labeled ARC used to connect the CS/AS/PAS 8.3S to the TV?

- Is the HDMI cable ARC-compatible?
- Has HDMI ARC been selected as the output source on the TV? (Sometimes a "connection" must also be set up manually here.)
- Have all settings been made on the TV that may prioritize the sound settings (e.g., Opto-OUT is prioritized)?
- If PCM was selected as the audio format?
- You can also try re-establishing the ARC connection. This time, however, first switch off the TV and disconnect it completely from the power supply. Also switch off the CS/AS/PAS 8.3S completely. Now connect the HDMI cable to the ARC input of the CS/AS/PAS 8.3S and switch the CS/AS/PAS 8.3S and the TV back on.

If it still does not work, the display information on the CS/AS/PAS 8.3S can help to find an error.

- No Signal -ARC Error: There is no signal from the TV. Please check the input and settings again.
- No PCM: Please change the audio format on the TV to PCM.

NOTE: Please note that device control can also be performed if you have selected a "normal" HDMI input on the TV to connect the CS/AS/PAS 8.3S and not the HDMI ARC INPUT.

4.3 warranty terms

If, contrary to expectations, a fault occurs that you or your specialist dealer cannot rectify, we will repair your device free of charge for up to two years after the date of purchase. The warranty covers materials and labor; any transport costs incurred will 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 shall apply to warranty claims and warranty processing. Should any of the following provisions be legally invalid, it shall be replaced by a provision that complies with the law.

The requirements for your warranty claim are:

1. The device must have been purchased from an AVM authorized dealer. Devices from other sources will not be repaired (even for a fee).

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 device. have been.

In the event of repair, the device must be sent to us in its original packaging. If this is not the case, we are entitled to refuse acceptance. In any case, we accept no responsibility for transport damage. If you no longer have the original packaging, please contact your specialist dealer. On request, we can also provide you with packaging directly. However, we will have to charge a fee of 70 euros for this service.

4. A brief description of the fault must be enclosed with the device sent in. Please print out our SERVICE FORM for this purpose. You can find this at www.avm.audio under SERVICE.

5. In case of doubt, we reserve the right to request a copy of the purchase invoice. In the event of an unauthorized return, or if there is no damage to the device, we reserve the right to charge a processing fee.

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

5 Technical specifications

5.1.1 Power amplifier (CS and AS models only)

gain factor	30
distortion factor	< 0,005%
signal-to-noise ratio	> 95dB
input sensitivity (2x550W, 4Ω)	1,2V
output power	2x 550W (4Ω) / 2x 250W (8Ω)

5.1.2 Preamplifier (analog)

input resistance (RCA)	50 kΩ
input resistance (XLR)	40 kΩ
output resistance (RCA: PRE, LINE)	47 Ω
output resistance (XLR)	94 Ω
gain	1
total harmonic distortion (3.3)	< 0,001%
signal-to-noise ratio	> 100dB
channel separation (Chanels)	> 94dB
channel separation (Inputs)	> 85dB
Input level (1% THD)	8,6 V
Pre-out level PRE-OUT (1% THD)	8,5 V
Line-out level LINE OUT	2,5 V
Frequency response at -3dB (3.3)	< 0Hz bis > 100kHz
Frequency response at-3dB (5.3)	< 5Hz bis > 100kHz

5.1.3 headphone amplifier

output impedance	24 Ω
gain	2,0
total harmonic distortion	< 0,001%
signal-to-noise ratio	> 100dB
output level (1% THD)	7 V

5.1.4 Preamplifier (Phono)

RIAA equalization (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 level MM (1% THD, 40dB)	76 mV
Input level MC (1% THD, 60dB)	7,4 mV
Frequency response (Line-Out)	11Hz – 100kHz
Adjustable load impedance MC (in Ω)	100; 180; 220; 330; 660; 1k; 2k
Adjustable load capacitance MM (in pF)	47; 100; 150; 200; 270; 310; 410

5.1.5 CD-Player (NUR CS-MODELLE)

Supported formats ..... CD Audio, CDR (Red Book compliant)
Frequency response (CD) ..... < 20 - 20 kHz

5.1.6 Network

Ethernet port (hot-pluggable) ..... 100 Mbit/s
Supported Wi-Fi standards 2,4/ 5GHz/ 802.11a/b/g/n/ac
Numbers of antennas 2
WPS ..... ja

5.1.7 Streaming

Maximum 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 5.0
Supported Bluetooth profiles ..... AVRCP 1.5, AD2P

5.1.9 USB-Input (rear)

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

ATTENTION: The USB port is intended exclusively for hard drives and USB sticks!

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

Max. sampling/bitrate (OPTO) ..... 96 kHz / 24 Bit
Max. sampling/bitrate (COAX) ..... 192 kHz / 24 Bit
Min. signal level [Vpp] at 192kHz (COAX) ..... > 150 mVpp
Input impedance (COAX) ..... 75 Ω
Deemphasis (OPTO, COAX) ..... yes, automatic
Max. sampling/bitrate (ARC) ..... 192 kHz / 24 Bit
Input impedance ..... 75 Ω

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

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

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

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

5.1.12 control

Trigger-Input ..... 5 - 20V
Trigger-OUTPUT (2x) ..... 12V (sequentially switched)

NOTE: The second trigger output is delayed relative to the first trigger output to protect against excessive current spikes. Please use a standard 3.5 mm mono jack cable for the trigger connections.

5.1.13 power connection (CS/AS 8.3S)

Power supply ..... 100V-240V / 50Hz-60Hz
Power consumption (standby) ..... < 0,5 Watt
Power consumption (network standby) ..... < 2 Watt
Power consumption (idle) ..... < 16 Watt
Maximum power consumption ..... 1000 Watt
Fuse used ..... T 10A

5.1.14 power connection (PAS 8.3S)

Power supply ..... 100V-240V / 50Hz-60Hz
Power consumption (standby) ..... < 0,5 Watt
Power consumption (network standby) ..... < 2 Watt
Power consumption (idle) ..... < 16 Watt
Maximum power consumption ..... 25 Watt
Fuse used ..... T 1A

5.1.15 General information

Weight (CS/AS 8.3S) ..... 11 kg
Weight (PAS 8.3S) ..... 8 kg

dimensions (W×H×D) ..... 430 x 122 x 350
Warranty ..... 2 years + 2 years with online registration
..... *Warranty periods may vary in individual countries of sale.

5.1.16 Regulatory information

Transmission frequency range used ..... WLAN 2,4 G: ..... 2,412 – 2,472 GHz
..... WLAN 5: ..... 5,150 – 5,350 GHz
..... 5,470 – 5,725 GHz
..... Bluetooth: ..... 2,400 – 2,4835 GHz

Maximum transmission power ..... WLAN 2,4 G: ..... 20 dBm
..... WLAN 5 ..... 15 dBm
..... Bluetooth: ..... 6 dBm

The device is intended for non-commercial use.
The Ethernet/ETHERNET connection may only be connected to the home network (internal ETHERNET network).

NOTE on energy consumption in 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® remains in standby mode and is always ready for operation. Please note that this means the power consumption is not below 0.5 watts as usual, but increases to around 2 watts. To reduce energy consumption to below 0.5W, switch the device to standby mode or turn it off completely using the rear power switch (34). However, this may result in various settings (e.g., the last source) not being permanently saved.

declaration of conformity

AVM Audio Video Manufaktur GmbH confirms that the CS 8.3S, AS 8.3S, and PAS 8.3S, to which this operating manual belongs, comply with EU Directives 2014/35/EU, 2014/30/EU, 2014/53/EU, 2009/125/EC, and 2015/863/EU, which were valid at the time of publication, as confirmed by the

CE

The necessary tests were carried out with positive results.

The full text of the respective EU declaration of conformity is available at the following Internet address:

AVM OVATION CS8.3:
https://avm.audio/wp-content/uploads/Declaration-of-Conformity_CS8-3.pdf

AVM OVATION AS8.3:
https://avm.audio/wp-content/uploads/Declaration-of-Conformity_AS8-3.pdf

AVM OVATION PAS8.3:
https://avm.audio/wp-content/uploads/Declaration-of-Conformity_PAS8-3.pdf

This product supports AirPlay and
requires iOS 11.4 or later.

Apple and AirPlay are registered trademarks of Apple Inc., registered in the United States and other countries.

The use of "Works with Apple"
-Logos means that an accessory has been specifically designed for the technology indicated in the logo and has been certified by the developer to meet Apple performance standards.

Use your smartphone, tablet, or computer as a remote control for Spotify. Find out more at spotify.com/connect.

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 information:
www.roonlabs.com

We reserve the right to make changes to technical data and equipment.

Stand: 14. October 2025