



# OVATION CS 8.3 S

All-in-One Streaming CD-Receiver  
with 2x550 Watt

## Product information



*Handcrafted in Germany*

## OVATION CS 8.3 S at a Glance

- All-in-One Streaming CD Receiver with 2 x 550 W
- Speaker A & B
- X-Stream Engine® for Hi-Res streaming incl. DSD, controllable via RCX APP
- Prepared for Spotify Connect, Qobuz Connect, Tidal Connect MAX
- Internet radio
- Bluetooth 5.0, Airplay 2, Roon ready
- HDMI (ARC) input
- High performance phono input switchable and fully adjustable MM & MC in the app or on the device, including:
  - MM/MC configuration
  - Impedance and capacitance adjustments
  - 4 different gain levels
- 4 digital inputs (2x SPDIF coaxial & 2x optical)
- USB A for external hard drives (NTFS & FAT)
- USB-C for USB audio
- 1 RCA + 1 XLR high-level (with adjustable attenuation) inputs, configurable as signal-sensitive inputs
- Home theater throughput functions
- AVM Multiroom Function RoomConneXion®
- 2 digital outputs (SPDIF, optical), optionally with variable volume
- Headphone output (6.3mm) on the front with separate, discrete Class A/B headphone amplifier with high-quality filtering
- CD drive with slot-in (Red-Book)
- S-DAC module: Signal processing with selected double quad DAC for max. 384/32 PCM (ESS 9038 PRO) and DSD 256 (can be retrofitted for older series)
- Tone control and parametric loudness with bypass function (also via RCX APP)
- Dimmable OLED graphic display with proximity sensor
- Extensive menu functions: home theater loop, adjustable input sensitivity, customizable input labeling, and more
- Adjustable tube illumination
- Minimal standby power consumption
- Compact design: 43 cm wide, 33 cm deep, 12 cm high
- Trigger in, external IR sensor, 2 x trigger out (sequential switching)
- Housing options: aluminum silver or brushed black, or as CELLINI version with chrome front (surcharge)
- Includes RC 5 remote control with individually assignable comfort buttons

## Ovation Line CS 8.3 S: What's New?

AVM Edelmanufaktur has been developing and manufacturing all-in-one devices since the 1990s and now presents the latest generation 8.3 S at the ultimate high-end level. Based on the AVM X-Stream Engine®, the CS 8.3 S represents a new high-performance generation of our Ovation all-in-one CS devices, including the S-DAC module.

Conceptually, this is a completely new masterpiece with a fundamentally redesigned architecture. Numerous additional functions have been added: Phono MM& MC, DAC-Modu S, HDMI ARC input, an upgraded power supply for even more power with 550W, switchable connection options for 2 pairs of speakers and much more. The RCX APP controls all functions of the CS 8.3 S, and the RC 5, equipped with freely assignable convenience buttons, is now included in the scope of delivery.

This high-performance all-in-one device eliminates the need for equipment towers and tangled cables. It features all modern connections, allowing you to connect analogue and digital sources as well as a turntable and a TV via HDMI ARC. We have achieved our goal of offering the best-sounding all-in-one devices on the global market with the uncompromisingly redesigned architecture of the CS 8.3 S. With a width of only 43 cm and a solid, precision-engineered aluminium housing with no visible screws, it impresses with its minimalist elegance in a symmetrical design and a new white, dimmable OLED display.

The main focus was on completely modernised control, enhanced with RoomConneXion® multiroom, using our RCX app. Simple, intuitive operation and a clear, attractively designed user interface make managing even large music collections child's play. This makes you want to explore new music on numerous streaming platforms. The selection of Connect Apps from Spotify, Tidal Max and Qobuz can also be easily expanded in the future. The AVM RCX app is available for both iOS (Apple) and Android-controlled handheld devices.

The AVM X-Stream Engine® can stream all high-resolution formats up to resolutions of 384/32-bit, including DSD (256). This streaming engine is a complete AVM in-house development and is entirely software-based. It can therefore be automatically updated online, making it future-proof. An HDMI (ARC) interface is included, as is a modern Bluetooth connection, additional digital inputs and a USB C interface. A high-performance phono input stage, newly developed specifically for the Ovation Line S, allows the connection of MM and MC systems. The specific settings can be conveniently adjusted via the RCX. This ensures perfect analogue sound, as the analogue signals are also processed completely analogously. The digital outputs are completely new and can also be adjusted for volume in the menu. Signal-sensitive inputs switch on the CS 8.3 S as soon as a signal is fed to these inputs.

The digital section now offers the new S-DAC as standard. This sound-defining component is based on the highly selected ESS9038 PRO Double-Quad DAC. This also represents a significant improvement in sound quality, which goes hand in hand with a complex circuit design, with four DACs per channel working in parallel. This effort benefits all digital sources in terms of sound quality, allowing all high-resolution formats to be reproduced perfectly and faithfully. Incidentally, the S-DAC can also be retrofitted in the previous generation.

There has also been a significant leap in sound quality compared to its predecessor, with the built-in amplifiers, supported by a new power supply, now delivering up to 550 W (4 $\times$ ). A multi-stage filtered mains voltage is fed to the critical sections via the shortest possible route. The power supply to the left and right analogue output stages is even completely separate. A completely new analogue and passive volume control ensures absolutely clear sound at all volume levels. The CS 8.3 S handles even impedance-critical speakers with low efficiency with ease.

The new all-aluminium RC 5 remote control is also included in the scope of delivery. In addition to the standard buttons such as ON/OFF, PLAY/PAUSE, source selection and PREV/NEXT, this masterpiece has a full 10-key keypad and freely assignable comfort buttons via the RC-X app. With these buttons, you can conveniently start your favourite tracks, albums, radio stations and much more at the touch of a button. This gives the CS 8.3 S a new level of user-friendliness.

CS 8.3 S are available in the standard colours aluminium silver or black, and on request also as an elegant CELLINI version with a chrome-plated and hand-polished front and chrome-plated rotary knobs. Customised designs can also be produced by the manufacturer, e.g. the control knobs can also be made in silver or black.

As all AVM Ovation S devices are handmade at our factory in Malsch and the vast majority of our suppliers are also located in the immediate vicinity of our main factory, special requests are welcome. You are welcome to watch our creative process in our 'making-of' video (see QR code below).

Repeated, intensive quality controls during all stages of production and a running-in period of several days for each individual device ensure our promise of maximum reliability in the long term. We offer a transferable 2-year warranty, with an additional 2 years upon online registration (Applies only in EU countries. If you have any questions, please contact your dealer.

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**PRELIMINARY Technical Specifications: CS/AS/PAS 8.3 S****5.1.1 Power Amplifier (CS and AS models only)**

Gain .....	30
THD .....	< 0,005%
Signal-to-noise ratio .....	> 95dB
Input sensitivity (2x550W, 4 ohm) .....	1,2V
Output power .....	2x 550W (4 ohm)

**5.1.2 Analog Preamplifier**

Input impedance (RCA) .....	10kΩ
Input impedance (XLR) .....	20kΩ
Output impedance (RCA: PRE, LINE) .....	47Ω
Output impedance (XLR) .....	94Ω
Gain .....	1
THD .....	< 0,02%
Signal-to-noise ratio .....	> 99dB
Crosstalk (channels) .....	> 102dB
Crosstalk (inputs) .....	> 88dB
Input level (1% THD) .....	4,3V
Output level PRE OUT (1% THD) .....	5,4V
Output level LINE OUT .....	2,5V
Frequency response (-3dB) .....	< 5Hz bis > 30kHz

**5.1.3 Headphone Amplifier**

Output impedance .....	2,5Ω
Gain .....	3,0
THD .....	< 0,002%
Signal-to-noise ratio .....	> 97dB
Output level (1% THD) .....	9V

**5.1.4 Phono Preamplifier**

RIAA equalization (20Hz-20kHz) .....	+/- 0,3dB
Gain MM .....	40dB, 45dB, 50dB, 55dB
S/N ratio MM .....	> 84dB(A)
Gain MC .....	55dB, 60dB, 65dB, 70dB
S/N 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 MC impedance (Ω) .....	100; 180; 220; 330; 660; 1k; 2k
Adjustable MM capacitance (pF) .....	47; 100; 150; 200; 270; 310; 410



## 5.1.5 CD Player (CS models only)

Supported formats:..... CD Audio, CDR (Red-Book standard)

## 5.1.6. Network

LAN port (hot plug) ..... 100 Mbit/s

Supported WLAN standards ..... 2,4/ 5GHz/ 802.11a/b/g/n/ac

Number of antennas:..... 2

WPS..... Yes

## 5.1.7. Streaming

Integrated DAC..... AVM DAC-S: ESS 9038 PRO

Max sample rates ..... DSD256, 32 Bit/384 kHz PCM

Streaming services ..... AirPlay, Qobuz, Roon, Spotify, TIDAL (MAX), HighResAudio

Supported file formats..... WAV, MP3, WM, AAC, FLAC, ALAC, DSD, Ogg, AIFF

## 5.1.8 USB-A Input

USB-Standard..... USB 2.0

Max current ..... 500 mA

Supported formats..... FAT16, FAT32, NTFS

**Note: USB-A is for hard drives and USB sticks only!**

## 5.1.9 USB-C Input

USB-Standard..... USB 2.0

Voltage ..... 5V

Supported devices ..... Windows PC, MacOS-Geräte

Supported formats..... bis zu DSD256, 32 Bit/384 kHz PCM

**Note: USB-C is for end devices like computers only!**

## 5.1.10 Digital Inputs (S/PDIF Coaxial/Optical)

Max sampling rate (Optical) ..... 96 kHz / 24 Bit

Max sampling rate (Coaxial)..... 192 kHz / 24 Bit

Min signal level at 192kHz (Coax) ..... > 150 mVpp

Input impedance (Coax) ..... 75 Ω

Deemphasis ..... Yes, automatic

**Note: Cable length should not exceed 3 meters.**



## 5.1.11 Digitale Outputs

Max sampling rate (Optical) .....	96 kHz / 24 Bit
Max sampling rate (Coaxial).....	192 kHz / 24 Bit
Output impedance (Coax).....	75 Ω

**Note:** Cable length should not exceed 3 meters.

## 5.1.12 Bluetooth

Bluetooth-Standard.....	5.0
Supported profiles .....	AVRCP 1.5, AD2P

## 5.1.13 Control

Trigger- input.....	5-20V
Trigger- outputs (2x).....	12V
External IR input.....	Available

**Note:** Use standard 3.5mm mono jack for trigger. Trigger outputs have 1-second delay.

## 5.1.14 Power Supply (CS and AS models only)

Voltage.....	100V-240V / 50Hz-60Hz
Standby consumption.....	< 1,0 Watt
Network standby.....	< 4 Watt
Idle power.....	< 35 Watt
Max power .....	1000 Watt
Fuse (power amp).....	T 6,3A

## 5.1.15 General

Weight .....	15 kg
Dimensions (W x H x D) .....	430 x 122 x 350
Warranty.....	2 years + 2 years with online registration
.....	(warranty may vary by country)

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