AVM30 CS 30.3

Compact-Streamer
with X-Stream Engine®, CD & Phono

Product information

Handcrafted in Germany

AVM30 CS 30.3

Compact Streamer mit X-Stream Engine® & Phono

CS 30.3 in a nutshell

- All-in-One Streaming CD Receiver mit 2 x 125 W
- X-Stream Engine® for HiRes streaming incl. DSD (256), controllable via RCX APP
- Prepared for Spotify Connect, Qobuz, Tidal Connect MAX, HiResAudio, web radio (expandable)
- 1 High Performance Phono input switchable between MM & MC
- Impedance matching via enclosed adapter plug
- HDMI (ARC) input + 2 digital inputs SPDIF (coax., optical)
- USB A for external hard drives (NTFS & FAT)
- 2 high-level inputs (switchable as home theater thruput)
- Airplay 2, ROON ready, Bluetooth 5.0
- AVM RoomConneXion® Multiroom Funktion
- 2 digital outputs (SPDIF, optical), volume adjustable
- Headphone output on the front
- Signal processing with upsampling to 192 kHz / 24 bit with selected DAC
- Tone control and parametric loudness with bypass function (also controllable via RCX APP)
- Dimmable graphic display with touchpoint sensors and proximity sensor
- Extensive menu functions (adjustable input sensitivity, individual input naming and much more)
- Minimal stand-by consumption
- Includes RC 3 remote control
- Compact design: 43 cm width, 32 cm depth, 11 cm height
- Housing variants:
  - silver or black brushed aluminium
  - or as a CELLINI version with chrome front (extra charge)

A modern all-in-one: CS 30.3

In the tradition and with our accumulated experience since the 1990s to develop compact all-in-one devices without compromise in terms of sound, the new high-performance All-in-One CS 30.3 has been created on the basis of the AVM X-Stream Engine® . Numerous new features have been incorporated into this 30.3 device and the new RCX APP also controls the CS 30.3 completely. Device towers and overflowing cable clutter become superfluous, all modern connections are available, so that even a TV can be connected via HDMI ARC. In order to achieve our goal of creating one of the most powerful sounding machines on the world market with this compact all-in-one, we have designed proven sound technologies into a shapely, screwless precision housing.

The main focus was on a completely modernized APP control system. The RC-X app clearly contains all important functions. The simplest, intuitively learnable operation as well as a clear and nicely designed user interface make the management of even large music collections child's play. This makes you want to explore new music on numerous streaming platforms. The AVM RC-X app is available for iOS (Apple) or Android-controlled devices. In addition, basic functions can also be controlled via the included RC3 Full Aluminium remote control.

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Compact Streamer mit X-Stream Engine® & Phono

The new AVM X-Stream Engine® can stream all high-resolution formats, including DSD (256). Our streaming engine is a complete in-house AVM development and is completely software-based, so it can be updated online in a future-proof manner. An HDMI (ARC) interface is also on board as well as the modern Bluetooth connection, further digital inputs and a USB A interface are standard. Special attention was paid to the high-performance phono input stage for MM and MC. This high-precision input stage has been completely redesigned for the CS 30.3. This ensures even better sound, especially in combination with our rotation turntables. Completely new are the digital outputs, which can also be volume controlled. The HDMI ARC input makes it easy to connect TVs and control them conveniently.
The CS 30.3 has also made a big leap in terms of sound. This sonic advancement is based on the use of a 125W amplifier stage, which effortlessly drives even power-hungry speakers at all volumes. The new amplifier stages are based on the large CS 8.3 and have been optimized for use in the CS 30.3 housing.

The digital section in CS 30.3 was redesigned from the ground up in the course of the new development, because this crucial part of CS 30.3 is basically based on our decades of experience. A selected ESS from the new generation (9038 Q 2 M) is now used as a digital/analogue converter, which is also a clear gain in terms of sound, which benefits all digital sources and reproduces all high-resolution formats perfectly and true-to-life.

The CS 30.3 are available in the standard colours aluminium silver or black, for an extra charge also with the Cellini chrome front. Like all AVM30.3 devices, the CS 30.3 is manufactured entirely by hand at the factory in Malsch. You are welcome to watch our creative process in our 'making-of' video (QR code below). Repeated, intensive quality controls during all production steps and a break-in time of several days for each individual device secure our promise of maximum reliability in the long term and we grant a 2-year warranty on the compact CS 30.3, and an additional 2 years if registered online.

Technische Daten

5.1.1 Power amplifier

Verstärkungsfaktor	30
Distortion factor	< 0,005%
Signal-to-noise ratio	> 95dB
Input sensitivity	275 mV
Frequency response (at -3dB)	< 5Hz to > 80kHz
Output Power (1% THD, 4 Ohms, 2 Channel)	2 x 125W

5.1.2 Pre-Out

Input resistance	3.4 kΩ
Output resistance	470 Ω
Amplification Factor	1
THD	< 0.001%
Signal-to-noise ratio	> 100dB
Frequency response (at -3dB)	< 5Hz to > 80kHz
Crosstalk Attenuation (Channels)	> 95dB
Crosstalk attenuation (inputs)	> 85dB
Max. Input level (1% THD)	3.5 V
Max. Output level (1% THD)	3V

5.1.3 Line-Out

Output resistance	47 Ω
Amplification Factor	1
THD	< 0.001%
Signal-to-noise ratio	> 100dB
Max. Output level(1% THD)	3.5 V

5.1.4 Headphone-Out

Output resistance	80 Ω
Amplification factor	4
THD	< 0.001%
Signal-to-noise ratio	> 100dB
Max. Output level (1% THD)	4.5 V

5.1.5 Phono Pre-Amp

Equalization RIAA	< 0.2dB
Gain MM	40dB
Signal-to-noise ratio MM	> 83dB(A)
Gain MC	60dB
Signal-to-noise ratio MC	>74dB(A)
Input control MM (1% THD)	30 mV
Input control MC (1% THD)	3 mV

5.1.6 CD-Player

Playable formats	CD Audio, CDR (according to Red Book standard)
Frequency response CD	< 20 - 20 kHz

5.1.7 Network

LAN connection (hot-plugging capable)	100Mbit/s
Supported Wifi Standards	2.4 / 5 GHz 802.11a/b/g/n/ac
Number of antennas	2
WPS	yes

5.1.8 Streaming

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

5.1.9 Bluetooth

Bluetooth-Standard	5.0
Supported Bluetooth Profiles	AVRCP 1.5 AD2P

5.1.10 USB-INPUT (Backside)

USB-Standard	USB 2.0
Max. Strom	500 mA
Supported formatting	FAT16, FAT 32, NTFS

ATTENTION: The USB input is only intended for hard drives and USB sticks!

5.1.11 Digital Inputs (S/P-DIF/ Coaxial)

Max. Abtast-/ Bitrate (OPTO)	96 kHz / 24 Bit
Deemphasis (OPTO)	Yes, automatically
Max. Abtast-/ Bitrate (COAX)	192 kHz / 24 Bit
Min. signal level [Vpp] at 195kHz (COAX)	> 150 mVpp
Input Impedance (COAX)	75 Ω
Deemphasis (OPTO)	Yes, automatically
Max. Abtast-/ Bitrate (ARC)	192 kHz / 24 Bit
Input Impedance	100 Ω

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

5.1.12 Digital Outputs (S/P-DIF / Coaxial)

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 cable length of the digital cables should not exceed three meters.

5.1.13 Power consumption

Standby	< 0,5 Watt
Extended stand-by (network connection)	< 2 watts
Idle	< 16 Watts
Fuse used	: T 3.15A H

5.1.14 General

Weight	7.1 kg
Dimensions (WxHxD)	430 x 110 x 325
Warranty	2 years + 2 years if you register online (Warranty periods may vary in other countries of distribution)

Regulatorische Hinweise

Used Transmission Frequency Range.....	WLAN 2,4 G: 2,412 – 2,472 GHz
	WLAN 5 G: 5,150 – 5,350 GHz
	5,470 – 5,725 GHz
Bluetooth:	2,400 – 2,4835 GHz

Maximum transmitting power:

WIFI 2,4 G:	20 dBm
WIFI 5:	15 dBm
Bluetooth:	6 dBm

The device is intended for non-commercial users.
The Ethernet / LAN port may only be connected to the house network (in-house LAN network).

NOTE on power 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 constant operational readiness in stand-by mode. Please note that the current consumption is not below 0.5 watts as usual, but increases to about 2 watts. To reduce energy consumption to less than 0.5W, switch the appliance to stand-by mode or turn it off completely using the rear power button (34). However, it can happen that various settings (e.g. the last source) are not saved permanently.

Abbreviated Declaration of Conformity:

AVM Audio Video Manufaktur GmbH confirms that the **CS 30.3**, to which this product info belongs, complies with the EU Directives 2014/35/EU, 2014/30/EU, 2014/53/EU, 2009/125/EC and 2011/863/EU in force at the time of writing.

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complies. The necessary tests were carried out with positive results. The full text of each EU declaration of conformity is available at the following web address:
https://avm.audio/wp-content/uploads/Declaration-of-Conformity_CS30-3.pdf

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