



AS 30.3

Integrated Amplifier
with X-STREAM Engine & Phono

Product information



Handcrafted in Germany

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AVM



AS 30.3 in a nutshell

- All-in-One Streaming Receiver with 2 x 125 W
- X-STREAM Engine® for HiRes streaming incl. DSD (256), controllable via RC X APP
- Prepared for Spotify Connect, Qobuz, Tidal Connect, HiResAudio, web radio (expandable)
- 1 phono input for MM & MC (impedance matching via enclosed adapter plug)
- HDMI (ARC) Input
- 2 digital inputs SPDIF (coax., optical)
- USB A for external hard drives (NTFS & FAT32)
- 2 high-level inputs (switchable as Hometheatre Thruput)
- Airplay 2, Roon ready, Bluetooth 5.0
- AVM RoomConneXion® Multiroom Function
- 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 OLED Display with proximity sensor
- Extensive menu functions (adjustable input sensitivity, individual entry designation and much more.)
- Includes RC 3 remote controls
- Minimal stand-by consumption
- Compact design: 43 cm width, 32 cm depth, 11 cm height
- Housing variants:
 - Aluminium silver or black brushed
 - or as CELLINI version with chrome front (extra charge)

AVM 30.3: Integrated Amplifier with Streaming Functionality

Our AVM 30.3 Neo classics in the tradition of our integrated amplifiers are the modern interpretation of the amplifiers that have been developed uncompromisingly since the early 1990s. Based on the AVM X-STREAM Engine®, the new AS 30.3 integrated amplifier has been created. Numerous innovations have been incorporated and the new RC X APP also controls the AS 30.3 completely. Equipment towers and overflowing cable clutter become superfluous, all modern connections are available, so that even a TV via HDMI ARC can be connected. In order to achieve our goal of constructing one of the most powerful sounding amplifiers in its class, we have miniaturized proven sound technologies and designed them into a compact and slim precision housing.

The main focus was on a completely modernized APP control, 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.

The new AVM X-STREAM engine® can stream all high-resolution formats, including DSD (256). This streaming engine is a complete AVM in-house 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 also a USB A interface are standard. Special attention has been paid to the phono input stage for MM and MC.



This high-precision input stage has been completely redesigned for installation in the compact AS 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 can also be used to easily connect and conveniently control TV sets.

The AS 30.3 has also made a huge leap in terms of sound. This technological leap is based on the use of a 125W amplifier stage, which effortlessly drives even power-hungry speakers at all volumes. The completely new amplifier stages are based on the large CS 8.3 and have been optimized for use in the compact AS 30.3 housing.

The digital section in AS 30.3 was redesigned from scratch in the course of the new development, because this crucial part of AS 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 the 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 AS 30.3 are available in the standard colours silver or black, on request also as an elegant CELLINI version with chrome-plated and hand-polished front. Like all AVM devices, the AS 30.3 are manufactured entirely by hand at the factory in Malsch. The vast majority of suppliers are also located in the immediate vicinity. 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 AS, and 2 additional years if you register online.

Technical data of AS30.3

Power amplifier

Amplification factor	30
THD.....	< 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 Channels)2	x 125W

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
Input Output (1% THD)	3.5 V
Output Output (1% THD).....	3V



Pre-Amp (Line-Out)

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

Pre-Amp (Headphone-Out)

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

Pre-Amp (Phono)

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

Network

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

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

Bluetooth

Bluetooth standard	5.0 LE
Supported Bluetooth Profiles	AVRCP 1.5 AD2P

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USB Input (Rear)

USB standard USB.....	2.0
Max. current	500 mA
Supported formatting.....	FAT16, FAT 32, NTFS

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

Digital Inputs (S/P-DIF/ Coaxial)

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

Digital Outputs (S/P-DIF / Coaxial)

Max. Sampling/Bitrate (OPTO)	96 kHz / 24 Bit
Max. Sampling/Bit Rate (COAX)	192 kHz / 24 Bit
Output Impedance (COAX).....	75 Ω

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

Power consumption

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

General

Weight	6.9 kg
Dimensions (WxHxD)	430 x 115 x355
Warranty	2 years (+2 years if you register online*)
.....	*Warranty periods may vary from country to country.



Regulatory Notes

Used transmission frequency range	WLAN 2.4 G:	2.412 – 2.472 GHz
	Wi-Fi 5:	5.150 – 5.350 GHz
	5.470 – 5.725 GHz
Bluetooth:		2,400 – 2,4835 GHz
Maximum transmitting power.....	Wi-Fi 2.4 G:	20 dBm
	Wi-Fi 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 AS 30.3, to which this product information 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. 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_AS30-3.pdf

