



OVATION AS XL

REFERENCE Streaming-Amplifier 2x400 Watt

Productinformation



Handcrafted in Germany

OVATION AS XL at a Glance

- ULTIMATE streaming integrated amplifier with 2 x 400W Class A/AB
- X-Stream Engine® for Hi-Res streaming including DSD, controllable via the RC-X app
- Includes Spotify Connect, Qobuz Connect, TIDAL Connect MAX, and internet radio
- S-DAC module: signal processing with selected double-quad DAC supporting up to 384/32 PCM
- HDMI (ARC) input
- Bluetooth 5.0, AirPlay 2, ROON Ready
- 4 digital inputs (2x SPDIF coaxial & 2x TOSLINK optical)
- Configurable as signal-sensitive inputs
- 1 RCA + 1 XLR inputs
- Switchable to home theater bypass mode
- USB-A for external hard drives (NTFS & FAT)
- USB-C for USB audio
- AVM Multiroom function RoomConneXion®
- 1 RCA + 1 XLR output, 2 digital outputs (SPDIF, TOSLINK optical), optionally with variable output level, dual differential input stages
- Tone controls and parametric loudness with bypass function (also controllable via RC-X app)
- 1000VA toroidal transformer with separate windings for excellent channel separation
- Additional separate power supplies for analog and digital sections
- Complete separation of the analog channels
- 24 high-performance MOSFETs per channel
- Total filter capacitance of 270,000µF per channel
- Current-source-stabilized output stages
- Automatic offset compensation
- Complete DC coupling throughout the entire analog signal path
- Integrated power filtering (mini power conditioner) for all voltage ranges
- Dimmable OLED graphic display with brightness and proximity sensors
- Extensive menu functions: adjustable input sensitivity, custom input naming etc.
- Minimal standby power consumption
- Trigger input, external IR sensor input, 2 x trigger outputs (15 V DC, sequential switching)
- Includes RC 5 remote control with individually programmable convenience buttons
- Packaging: flight case for safe transport
- Dimensions: 43 cm width, 44 cm depth, 25 cm height
- Finish options: brushed aluminum in silver or black, or CELLINI version with chrome front panel (additional charge); other versions available upon request

OVATION AS XL

The ultimate streaming integrated amplifier. Without compromise. Without limits.

The technology behind it

With the new OVATION AS XL, AVM presents a high-tech reference product that radically redefines the concept of the modern integrated amplifier. It combines uncompromising analog amplification technology, state-of-the-art digital signal processing, and AVM's proprietary X-Stream Engine® within a single majestic component. The AS XL is not an ordinary integrated amplifier — it is a commanding high-end control center for music lovers who seek maximum power, finest resolution, and absolute control within a uniquely sophisticated architecture.

Developed and manufactured in the AVM manufactory in Malsch, the OVATION AS XL represents more than four decades of experience in building audiophile amplifiers. This heritage is even reflected in its name XL: is the Roman numeral for 40 and marks the anniversary model within the OVATION S series.

It is the logical continuation of our great OVATION philosophy: maximum musical authority, state-of-the-art connectivity, and a completely uncompromising internal design. The result is a streaming integrated amplifier that sets new standards through its technical substance, emotional power, and impressive presence.

Even externally, the AS XL reveals its extraordinary ambitions. With a width of 43 cm, a depth of 44 cm, and a height of 25 cm, it embodies true high-end authority. Its massive aluminum chassis, available in brushed silver or black as well as in the especially exclusive CELLINI version with chrome-plated front panel, makes one thing immediately clear: this component was not designed to fit into conventional categories. It was created to stand at the center of an extraordinary music system.

Inside operates an amplifier architecture designed for extreme control and limitless dynamics. The OVATION AS XL delivers 2 x 400 watts of Class A/AB power and masters even the most demanding loudspeakers with impressive calmness, stability, and ease. A powerful low-radiation 1000 VA toroidal transformer with separate windings forms the energetic foundation. The completely separate power supplies for the analog and digital sections ensure that every signal is processed under optimal conditions.

The analog architecture follows an equally uncompromising design philosophy. The two analog channels are physically separated from one another in order to achieve maximum channel separation, minimal crosstalk, and exceptionally stable spatial imaging. Each output stage operates with 24 high-performance MOSFETs and is supported by an imposing total filter capacitance of more than 270,000 µF. The result: enormous current delivery capability, sovereign control, and reproduction that remains completely effortless even during the most complex musical passages.

The entire analog signal path is fully DC-coupled. This eliminates unnecessary coupling capacitors from the signal path and enables exceptionally direct, fast, and uncolored signal processing. Automatic offset compensation simultaneously ensures maximum operational reliability and long-term stability. Dual differential input stages and current-source-stabilized output stages create the foundation for a sonic presentation that reveals the finest details as naturally as it unleashes massive dynamic energy.

Even the internal loudspeaker terminal wiring follows the uncompromising philosophy of the AS XL: massive OFC copper conductors carry the output power to the terminals via the shortest possible path. This relentless attention to detail is characteristic of AVM – because true reference quality is not created through isolated superlatives, but through the uncompromising interaction of every individual assembly.

At the same time, the OVATION AS XL is one of the most advanced digital high-end control centers in its class. The new S-DAC module processes digital signals using a selected ESS 9038 PRO double-quad DAC supporting up to 384 kHz / 32-bit PCM as well as DSD 256. Four DAC channels per stereo channel operate in parallel, enabling extremely precise, low-noise, and natural conversion. The result is digital playback at true reference level: highly resolving, transparent, spatially stable, and free from artificial sharpness.

AVM's proprietary X-Stream Engine® opens the door to the world of modern Hi-Res streaming. Qobuz Connect, TIDAL Connect MAX, Spotify Connect, internet radio, AirPlay 2, Bluetooth 5.0, and ROON Ready are already fully integrated. The AS XL is conveniently controlled via the AVM RC X App, which intuitively manages even large music libraries and makes operating the device an exceptionally comfortable experience. The X-Stream Engine® is entirely software-based and therefore fully future-proof through online updates.

The AS XL also demonstrates its capabilities as a complete high-end control center through its extensive connectivity. HDMI ARC connects a television directly to the amplifier, transforming the AS XL into the acoustic centerpiece of modern living spaces. Four digital inputs, USB-A for external hard drives, USB-C for USB audio, analog RCA and XLR high-level inputs, as well as RCA and XLR outputs provide maximum flexibility. Two digital outputs via SPDIF and TOSLINK can also optionally operate with variable output levels.

The analog inputs can be configured with exceptional flexibility. They may operate as signal-sensitive inputs, automatically activating the AS XL as soon as a signal is detected. In addition, home theater bypass mode allows elegant integration into sophisticated home cinema installations. An attenuation circuit for XLR input level reduction further expands the available customization options.

For especially pure operating conditions, the OVATION AS XL features integrated power filtering – a mini POWER CONDITIONER for all voltage ranges. Sensitive circuitry is thereby effectively protected from interference. This consistent power conditioning contributes significantly to the extraordinary calmness, stability, and effortless naturalness of the playback.

Sonically, the OVATION AS XL is designed for absolute authority. It plays with tremendous power, deeply controlled bass, and effortless dynamics, while remaining refined, transparent, and profoundly musical at all times. Large orchestral works unfold with impressive scale and stability, voices appear physically tangible and natural within the room, and the finest textures remain traceable even in the quietest passages. The AS XL combines the emotional warmth and naturalness of large Class A/AB amplifiers with the precision, control, and future-proof flexibility of a modern streaming control center.

The integrated tone controls and parametric loudness with bypass function allow individual adaptation to room acoustics, loudspeakers, and personal listening preferences. All functions can be controlled directly on the device or conveniently via the RC X App. As a result, the AS XL remains not only a no-compromise reference component, but also an amplifier that integrates perfectly into everyday musical enjoyment.

The user interface follows the same philosophy of uncompromising quality. The dimmable OLED graphic display with brightness and proximity sensors presents all information clearly and elegantly. Extensive menu functions allow individual input naming, input sensitivity adjustment, and numerous additional settings. Trigger input, external IR sensor connection, and two sequentially switched trigger outputs enable seamless integration into complex systems.

Included in the package is the high-quality AVM RC 5 remote control with individually programmable comfort buttons. Favorite stations, preferred sources, playlists, and additional convenience functions can therefore be accessed with a single press of a button. In this way, the OVATION AS XL combines uncompromising engineering with an operating philosophy that delights in everyday use.

As a true reference product, the AS XL is delivered in a robust flight case. Not only does this provide optimal protection during transport, it also reinforces the product's exceptional ambition from the very first moment of unboxing: this is not an ordinary HiFi integrated amplifier. It is a statement.

The OVATION AS XL is the most powerful and uncompromising interpretation of a modern AVM streaming integrated amplifier. It combines the energy of a large power amplifier, the precision of a high-end DAC, the flexibility of a modern streaming platform, and the elegance of true manufactory craftsmanship within a single component.

Built for loudspeakers without limits. Designed for music reproduction without compromise.

Handcrafted in Germany – since 1986.

Technical Specifications: AS XL

5.1.1 Power Amplifier

Gain.....	30
THD.....	< 0,005%
Signal-to-noise ratio	> 95dB
Input sensitivity (2x550W, 4Ω)	1,2V
Output power	2x 400W (4Ω)

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 (Kanäle)	> 102dB
Crosstalk (Eingänge)	> 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 Network

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

5.1.4 Streaming

Verbauter 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

5.1.5 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!



5.1.6 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!

5.1.7 Digital Inputs (S/P-DIF / Koaxial)

Max sampling rate (OPTO)	96 kHz / 24 Bit
Max sampling rate (COAX).....	192 kHz / 24 Bit
Min signal level at 192kHz (COAX).....	> 150 mVpp
Input impedance (COAX).....	75 Ω
Deemphasis (OPTO, COAX)	Ja, automatisch

Note: Cable length should not exceed 3 meters

5.1.8 Digital Outputs

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

Note: Cable length should not exceed 3 meters

5.1.9 Bluetooth

Bluetooth-Standard	5.0
Supported profiles	AVRCP 1.5, AD2P

5.1.10 Controle

Trigger-Input	5-20V
Trigger-output (2x).....	12V
External IR-Input.....	Vorhanden

NOTE: Please use a standard 3.5 mm mono jack cable for the trigger connections. The two trigger outputs are programmed to switch sequentially with a one-second delay.



5.1.11 Power Supply

Voltage	100V-240V / 50Hz-60Hz
Standby consumption	< 1,0 Watt
Network standby	< 4 Watt
Idle power	< 35 Watt
Max power	1250 Watt
Fuse (power amp)	T 6,3A

5.1.12 General

Weight	50 kg
Dimensions (W x H x D)	430 x 122 x 350
Warranty	2 years + 2 years (with online registration, may vary in sales territories)

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'Making-Of' Video