

# OVATION MA8.2/SA8.2

## Power amplifier

**AVM**  
AUDIO VIDEO MANUFAKTUR



The power amplifiers Ovation MA8.2 and SA8.2 deliver nearly any desired power level even into critical loudspeakers without loss of control over the loudspeaker. Far over 1200 Watts into 4 Ohms with the MA8.2 and over 600 Watts with the SA8.2 are surely sufficient for reproduction of any kind of music even when listening at original sound levels. Nevertheless this amplifier can also play at moderate levels without losing precision or missing even finest details and they may reproduce also the intimate atmosphere of a i.e. chamber orchestras.

The new generation of Ovation Line MA8.2 and SA8.2 have been developed by music lovers for music lovers to satisfy even highest demands on reproduction of music. Forget about noise and distortion and enjoy its warm and powerful music reproduction - regardless which loudspeaker you use, regardless which music style you prefer and whatever volume you like best.

Its excellent musical quality comes together with a very worthy finish: The case is totally made of polished and anodized aluminum. The power transformers inside (2 x 1000VA, 2 x 120 VA) are mounted into a shielding case that ensures that no mechanical hum or electrical stray fields can influence the electronic circuitry of the amplifiers.

The power supply consists of two 200.000  $\mu$ F Capacitor banks. The MA8.2 power amplifier itself is a balanced construction. That means two amplifiers in bridge connection. Each of the power amps has its own transformer and capacitor bank. The amplifiers use 24 output-FETs each and thus are able to deliver over 180 amperes permanently - if needed. The SA8.2 is the single ended version thereof.

The input circuitry is also a balanced construction and offers RCA-Cinch and as well balanced XLR inputs.

Besides that we have built in a brilliant blue VF display which informs you about the actual power (power bar) and the peak power (numeric). It is also useful to make settings via the intuitive menu system: Configuring the display (power bar & value display, peak power only and display off), setting the display brightness, setting the operating mode (permanent, trigger, auto, remote from preamp) and setting the actual speaker impedance (8, 4, 2 Ohms).



In the .2 Version of the awarded Ovation Amplifiers we have implemented numerous amendments and improvements to increase the performance of these outstanding amps once more. The power supply has been reworked to meet government regulations (Stand-by < 0,5W) and two newly designed main transformers are utilized, one transformer per side resp. per side. On top of that the inner cabling was improved and altered and amended to the increased power and sonic spectrum. Last but not least the MA8.2 and SA8.2 feature now an enlarged Class-A range and die Power amplifier section work on a higher voltage supplied from the power supplies. The circuit boards all are plated with extra thick copper conductor leads (100µm) and additionally they are completely gold covered to make them inherent to environmental influences.

Linked to an adequate AVM Preamplifier the OVATION Line power amps MA8.2 and SA8.2 may be switched on and off automatically. Together with AVM Preamps additional control functions may be applied from the preamp into the power amps i.e. the display intensity may be changed. For doing so control codes are being sent to the power amp with microscopic levels and at very high carrier frequencies. This way the control over the power amps may be performed without additional cables being necessary.

## Technical Data OVATION SA8.2

Input sensitivity Cinch:	1,4 V / 10 kΩ (100 W / 4 Ω)
Input sensitivity XLR:	1,4 V / 20 kΩ (100 W / 4 Ω)
Rated power in 8 Ω:	>250 Watt
Rated power in 4 Ω:	>500 Watt
Rated power in 2 Ω:	>750 Watt
Intermodulation 25 W / 4 Ω:	< 0.01%
Distortion 25 W / 4 Ω:	< 0.005%
Transient intermodulation (TIM):	not measurable
SNR 25 W / 4 Ω:	> 100 dB(A)
Frequency range:	0.3 Hz - >400 kHz
Load band width 25 W / 4 Ω:	0.3 Hz - >400 kHz
Rise time / 4 Ω:	1 µs
Slew rate:	> 200 V / µs
Damping factor / 8 Ω:	> 1000
Power supply:	230 V / 50 Hz / 2000 VA max
Power mode without signal:	150 VA
Stand by:	<1 VA
Measurements (D x W x H):	420 mm x 435 mm x 250 mm
Weight:	42 kg

## Technical Data OVATION MA8.2

Input sensitivity Cinch:	1,4 V / 10 k $\Omega$ (100 W / 4 $\Omega$ )
Input sensitivity XLR:	1,4 V / 20 k $\Omega$ (100 W / 4 $\Omega$ )
Rated power in 8 $\Omega$ :	>600 Watt
Rated power in 4 $\Omega$ :	>1100 Watt
Rated power in 2 $\Omega$ :	>1750 Watt
Intermodulation 25 W / 4 $\Omega$ :	< 0.01%
Distortion 25 W / 4 $\Omega$ :	< 0.005%
Transient intermodulation (TIM):	not measurable
SNR 25 W / 4 $\Omega$ :	> 100 dB(A)
Frequency range:	0.3 Hz - >400 kHz
Load band width 25 W / 4 $\Omega$ :	0.3 Hz - >400 kHz
Rise time / 4 $\Omega$ :	1 $\mu$ s
Slew rate:	> 200 V / $\mu$ s
Damping factor / 8 $\Omega$ :	> 1000
Power supply:	230 V / 50 Hz / 3500 VA max
Power mode without signal:	150 VA
Stand by:	<1 VA
Measurements (D x W x H):	420 mm x 435 mm x 250 mm
Weight:	84 kg per pair (42 per Mono Block)

