

EVOLUTION SA 3.2

Stereo power amplifier with 2 x 325 Watt

AVM
AUDIO VIDEO MANUFAKTUR



The EVOLUTION SA3.2 stereo power amp in brief:

- **High Efficiency switching power amplifier stage with 325 W**
- **Linear power supply with 700-VA-Transformer**
- **Filter capacity over 60.000 μ F**
- **Balanced XLR and unbalanced RCA inputs**
- **2 pairs of loudspeaker terminals for speakers A & B, individually switchable**
- **2 separate power supplies for input section and power output stages.**
- **Intelligent protection circuits monitor DC, overheat, short circuit**
- **NF-controlled on/off and trigger input (on/off)**
- **Comfortable on/off function in conjunction with AVM pre amps**
- **Environmentally friendly standby power consumption below 1 Watt**
- **Housing made of solid aluminum anodized in silver or black, chrome front available (option)**

A stunning sound quality unheard of in this class combined with enormous power and a reduce-to-the-max design make heads turn for the SA3.2. Perfectly machined and handcrafted aluminum cases without visible screws make the SA3.2 an esthetic appearance. The entire massive aluminum housing also serves as heat sink for the amplifier. Two SA3.2 combined will add up in width to just all other EVOLUTION components. In height the SA3.2S equals the components of the EVOLUTION 3.2 series, a perfect match to the PA 3.2 and CD 3.2. Standard finishes are aluminum silver or black anodized; a chrome front may be supplied as an option.

The highefficiency switching amplifier transforms as much as 95% of the energy delivered from the linear power supply into music. Dissipating heat it minimal and may almost be neglected. With its huge power the SA3.2 easily handles all sorts of loudspeakers at all volume levels, even critical speakers with a low efficiency. A smooth over all feedback loop ensures a high damping factor and by this an excellent control over the connected loudspeaker.

The powersupply of the SA3.2 is a so-called linear power supply based on a 700VA toroidal transformer proprietary made for the SA3.2. This powersupply effortlessly supplies the output stages with enough power, regardless of the level you like to listen to your music. In combination with the PA3.2 or PA5.2 the SA3.2 may be switched on and off via an intelligent communication system between them. Connected to preamplifiers of other brands, the SA3.2 may be switched on and off via a 10V trigger switch. Two pairs of loudspeakers may be connected and switched individually.

Separate power supplies for the input and output stages of the SA3.2 ensure a signal processing and handling without any loss in fine details. All signal paths are logically arranged and represent the shortest possible signal path. Switching amplifier output stages drive all speakers available in the market with ease and extreme control related to the amplifiers high damping factor.

Like all AVM hi-fi components the SA3.2 is carefully developed and assembled by our engineers in Malsch, Germany. Our vendors for housing and electronic parts reside all near-by. This proximity helps us to easily ensure and maintain superb quality level of the supplied parts for the AVM hi-fi components made of these.

During the manufacturing process we perform repeatedly numerous tests to insure the absolute quality of our products. When the assembling is finished and the first inspection is done all units must pass a run in test in order to prove their reliability. After that a careful final inspection follows before packing & shipping. All this ensures creating a perfect product from AVM for our customers.

Technical Data EVOLUTION SA3.2

Input sensitivity	625 mV (for 25 W / 4 Ohm)
Input impedance Cinch	10 kOhm
Input impedance XLR	10 kOhm
SNR (25W in 4 Ohm)	100 dB / 104 dB(A)
Intermodulation (25 W/4 Ohm)	< 0,1 %
Frequency range	< 5 Hz - > 50 kHz
Damping factor	>200
Rated Power	325 Watt (4 Ohm) / 220 Watt (8 Ohm)

General

Power supply	120V/60Hz, 230V/50Hz
Power consumption (max.)	700 W
Standby	<1 W
Dimensions (W x H x D)	430mm x 100mm x 325mm
Weight	13 kg