



Four-channel Power Amplifier

RX 9

RX series



- **D Class Topology**
- Two Separate Switching Power Supply
- Forced Cooling
- Easily Removable Dust Filters
- 2U Height
- Input Level Controls
- Signal, Clip and Thermal Indicators
- Detachable Power Cord (**PowerCon**)
- **XLR** Input and Line Output Connectors
- **SpeakON** Output Connectors
- Short Circuit Protection
- Thermal Protection
- Clip Limiter
- Electronically DC Speaker Protection
- High Mains Voltage Protection (included 400V mains)
- High Frequency Speaker Protection
- Soft Signal Start

The **RX9** amplifier is designed for the most demanding live audio users, whether in touring rigs or fixed installations.

RX9 amplifier is based on a modern, high performance **D** class topology. This topology provides high efficiency, low heat generation, large output power and, together with a switching power supply, light weight and small dimensions. At the same time, the high switching frequency of the output stage (450kHz) provides sound quality comparable with the best analog amplifiers.

The amplifier has a gain of 35dB. The four input level controls on the front panel are used in case the input sensitivity correction.

RX9 amplifier has switching power supply. Each pair of channels is powered by separate power supply. This allows to continue working in case of failure of one of them.

The amplifier uses forced cooling system with 2 powerful fans. Their intensity changes smoothly, depending on the output stage temperature and resistance at ambient temperatures up to 50 degrees.

Specifically for use in hard touring conditions amplifier is equipped with reliable protection against high mains voltage. Even the connection to the ~400V mains will not damage the amplifier!

To protect the amplifier from ingress of dust and foreign objects, amplifiers have a dust filter, made of polyurethane foam. The filter is located under the easily removable covers. Due to its structure, the filter material allows repeated washing and flushing.

The amplifier is equipped with a full set of modern protection systems. These include short circuit protection, thermal protection, DC and high frequency speaker protections. All protection systems are monitored by the control processor, built into each channel of the amplifier. Control processors carefully monitor the protection and management systems, which increase the reliability of the amplifier.



Model	RX9
Output Power* (2 Ohm)	4 x 2500 W
(2.7 Ohm)	4 x 2500 W
(4 Ohm)	4 x 2200 W
(8 Ohm)	4 x 1200 W
Peak Output Voltage	168 V
Frequency Response	20 Hz – 20 kHz
Total Harmonic Distortion	0.02 % (20 Hz – 20 kHz)
Slew Rate	60 V/μs
Damping Factor	600 (1 kHz, 8 Ohm)
Crosstalk	60 dB (1 kHz)
Signal-to-Noise Ratio	100 dB (unweighted)
Gain	35 dB
Input Impedance	10 kOhm (balanced)
Power Requirements	~230 V, 50/60 Hz
Weight	12 kg
Height	2U
Depth in Rack	439 mm
Dimensions**	482 mm(W) x 96 mm(H) x 444 mm(D)

* Power at 230V mains voltage

**Height includes rubber feet (should be removed when installed in the rack)

