

**Power
Amplifier**

RL-A500



Easy-to-use class-D power amplifier designed to work with electro-dynamic shakers in the lab or in production. The nominal output power of the amplifier is 500 VA.

The amplifier is distinguished by high efficiency, accuracy, and low THD of the output signal. Among other advantages are the lightweight and compact case.

The device has a smart protection system, which monitors the main parameters of the device to prevent failures and equipment damage. In case it detects overheating, overcurrent, short circuit, or deviation of any other parameters, the device switches off the output stage.

The embedded LCD of the device displays the main parameters: the output current and voltage, temperature, and other information about the state of the system.

Technical Features

THD	< 0.2%
Signal-to-noise ratio	> 80 dB
Frequency range	DC ÷ 20 000 Hz
Output power	500 VA
Maximum excitation current	50 mA
Maximum output voltage (RMS)	44 V
Maximum output current (RMS)	11.5 A
Weight	5.4 kg
Dimensions	390x290x75 mm

RL-A500 can be operated in AMPER and VOLT mode.

The amplifier provides the user with the ability to adjust the gain from 0% to 100% (in 5% steps). The cooling system allows adaptive air flow control to reduce noise when the amplifier is running at low power.

- Digital gain control
- Adjustable current limit
- Multifunctional LCD
- Safety management system monitors such functions as temperature, overcurrent, overvoltage

