

RNA2550

2 Channel Stereo Amplifier



The ERTHPOT RNA Series combines powerful output, low distortion, flexible configuration, efficient Class-D technology, intelligent cooling, and a compact 1U design, providing a reliable amplification solution for professional audio applications.

Powerful & Flexible Output

The RNA Series offers multiple models with different output power configurations to meet a wide range of professional audio requirements. With Stereo, Parallel, and Bridge modes, the amplifiers can deliver increased output power when required and adapt to different speaker configuration and system applications.

Intelligent Cooling System

The RNA Series features dual cooling fans with two-stage temperature-controlled operation, automatically adjusting the cooling performance according to the amplifier's operating temperature. The optimized airflow design efficiently dissipates heat, helping maintain stable performance during extended operation.

Flexible System Configuration

Supporting Stereo, Parallel, and Bridge operating modes, the RNA Series provides greater flexibility for different speaker connections and professional sound reinforcement systems. This allows system designers and installers to configure the amplifier according to specific application requirements.

KEY FEATURES

FRONT PANEL FEATURES

AC power switch

- Controls all power to the amplifier. The green POWER LED should illuminate whenever Power is ON, either in Standby or Run.

Protected (red, each channel)

- Indicates that the channel is in protect mode (speakers disconnected by output relay).
- The LED glows bright red while amp is muted for any reason. This normally occurs each time the power is turned on or off. Muting at other times indicates overheating or other protective behavior.

Clip LED (orange, each channel)

- When clipping occurs, this LED flashes bright orange light. Intensity and duration is associated with the degree of clipping.

- 4dB LED (green, each channel)**
- . Channel power for this power amplifier reaches the upper limit -4dB, this LED lit to be orange for a warning that reached clipping.
- 7/-10/-15dB LED (green, each channel)**
- . It lights up when channel power for this power amplifier is below clipping -4~-15dB. This is usually the "safety" working area.
- SIG LED (green, each channel)**
- . Display each channel signal. If there is no signal, this light still is lit; there may be interference or other abnormal situation.
- Power LED (Blue)**
- . When power is on, the green power LED should be light up. When the amplifier is in standby, the LED will be significantly dimmed.
- Gain Control**
- . Channel Control: can be adjust volume for each channel.

Mounting the optional handles

- . The handles are packed with the required Phillips-head screws. Mount the screws through the round holes located inside the rackmounting ears.

Ventilation slots

- . Amplifier gets indraft air from the right panel, out from the left panel, which will shed the heat, to avoid overheating of the rack case. When the amplifier works busy, the fan will be speed up, discharging more hot air.

SPECIFICATION

Channel	2	Input Connector	Phoenix plug
8Ω Stereo Output Power	550W	Output Connector	Speakon
4Ω Stereo Output Power	900W	Power Requirements	220V / 50-60Hz
8Ω Bridge Output Power	1800W		
THD+N (1KHz)	0.02-0.05%		
Frequency Response	10Hz-20kHz		
S/N Rate	-100dB		
Damping Factor	>600		
Output Circuitry	D		
Input Sensitivity	0.775V / 1.4V / 2.8V		
Input Impedance	10KΩ, balanced/unbalanced		