

2 Channel Stereo Power Amplifiers

R150/300/500PLUS



2 CHANNEL STEREO POWER AMPLIFIERS



Overview

The R-PLUS Series are a dual-channel, high-performance amplifiers. Their clear, open sound and quiet operation make them ideal for reference systems and church sound applications. Inputs are via balanced XLR or 1/4" connectors, outputs are via rugged five-way binding post connectors. All units have soft-start protection circuitry and feature signal, protection and clip indicators on the front panel. For added versatility, they may be operated in stereo, dual mono or bridged mono mode. They have front panel mounted mains switch, level controls and indicators for power, protection, clip and signal present. Convection-cooling provides noise-free ventilation for critical applications. Mains inlet is via an iec connector. The R-PLUS Series amplifiers are powered by 100–120VAC or 220–240VAC 50/60Hz (depending on country requirements) and are packaged in a 3.5" (2RU) rack mount enclosures.

FEATURES

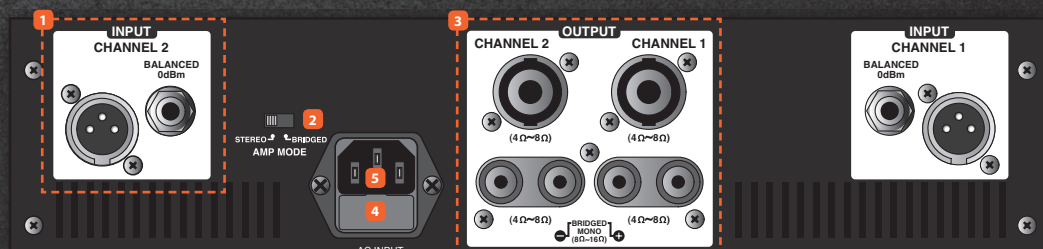
- R-150 PLUS : 150W into 8 Ω load (bridged mono).
- R-300 PLUS : 300W into 8 Ω load (bridged mono).
- R-500 PLUS : 500W into 8 Ω load (bridged mono).
- Frequency Response 20Hz– 20kHz, ± 0.5 dB
- Convection Cooled
- Soft-Start Protection System
- Balanced 10k Ω @0.775V Inputs
- Inputs (XLR~1/4" jack)
- Stereo operation (4 Ω)
- Bridged mono operation (8 Ω)
- 0.05% Total Harmonic Distortion
- Extensive Protection Circuitry
- Signal, Protection, Clip Indicators

Front Panel



- 1 LEVEL CONTROL
- 2 SIGNAL INDICATOR
- 3 CLIP INDICATOR
- 4 PROTECTION INDICATOR
- 5 POWER INDICATOR
- 6 POWER SWITCH
- 7 HANDLE

Rear Panel



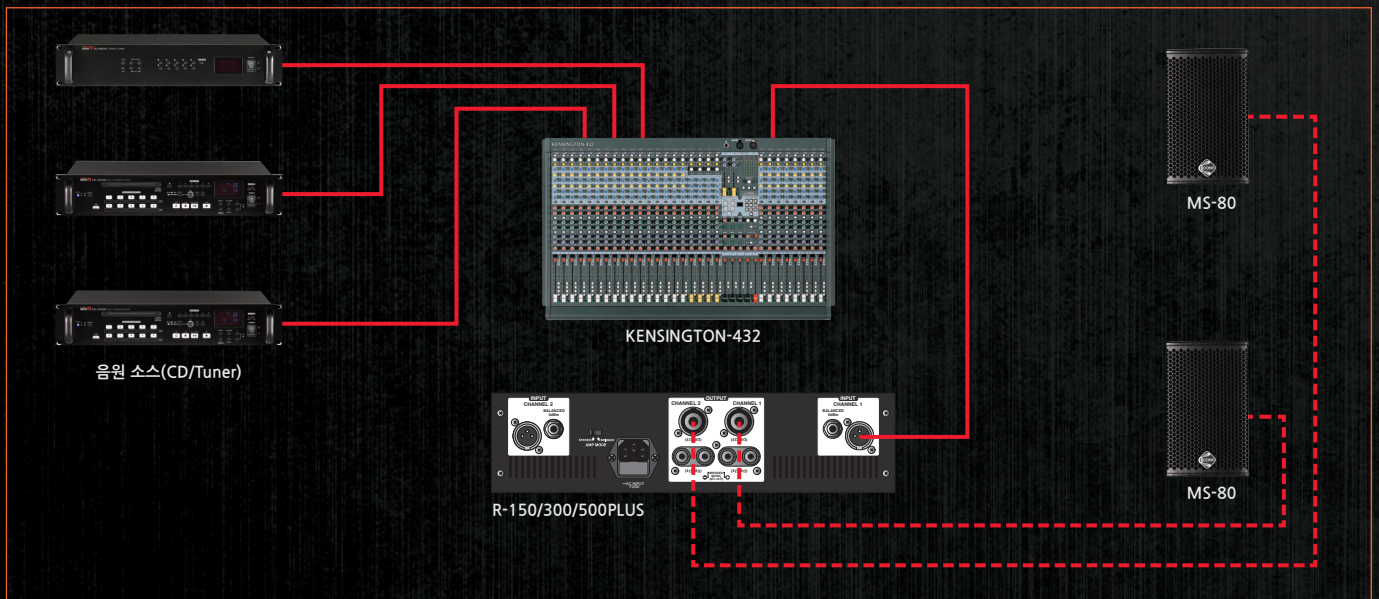
- 1 BALANCED INPUT CONNECTORS
- 2 MODE SELECTOR SWITCH
- 3 OUTPUT CONNECTORS
- 4 FUSE
- 5 AC INPUT

Specifications

0dB = 0.775Vrms, Half Power = 1/2 Power Output Level (Rated Power)

| | | R150PLUS | R300PLUS | R500PLUS |
|--|---------------------------|---|-----------------|-----------------|
| Power Out Level (THD 0.5%) | STEREO RL= 8Ω | 50W | 100W | 170W |
| | STEREO RL= 4Ω | 75W | 150W | 250W |
| | BRIDGED RL= 8Ω(THD 0.05%) | 150W | 300W | 460W |
| | BRIDGED RL= 8Ω(THD 0.5%) | 170W | 330W | 500W |
| Frequency Response RL= 8Ω, P=IW | | 20Hz~20kHz (±0.5dB) | | |
| THD f=20Hz~20kHz, Half Power | STEREO RL = 8 & 4Ω | ≤0.1% | | |
| | BRIDGED RL = 8Ω | ≤0.1% | | |
| Channel Separation Half Power RL= 8Ω f=1kHz, ATT, max, Input 600Ω shunt | | ≥70dB | | |
| Residual Noise Ratio DIN Audio | | ≤-80dB: ATT min | | |
| Signal-to-Noise Ratio DIN Audio | | ≥100dB | | |
| Input Sensitivity (Rated Power into 4Ω 1kHz) | | 0dBm | | |
| Protection | | Power SW ON/OFF muting, Full short circuit Thermal protection | | |
| Power Source | | AC 100V/110V 60Hz, 230V/240V 50Hz | | |
| Power Consumption | | 170W(1/8 power) | 250W(1/8 power) | 480W(1/8 power) |
| Connectors | | Input XLR-3-31 type+1/4" Phone (balanced), XLR Output binding posts x 2, Locking Speaker Connector Terminal x 2 | | |
| Weight | | 7.2kg / 15.9lb | 8.4kg / 18.5lb | 10.4kg / 22.9lb |
| Dimensions (WxHxD) | | 482 x 88 x 317mm / 19 x 3.5 x 12.5in | | |

APPLICATIONS



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※ Design and specification are subject to be changed for the improvement of product quality without pre notice.

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