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Professional Sound Amplifier



Stable, precise and pure quality defines the RZ amplifier series, which is distinctive in quality design and stability.

Due to broad working voltage with the range of 150V~280V is designed at the first place, strong voltage pulsation circumstances can be handled. Meanwhile, the gradual circuit of power vol. takes account of the live audiences' feelings. Advanced SMT strengthens the stability.

Finally, several experiments to eliminate the sound defaults are paid. Consequently, precision and clarity of MA series are remarkable. Let alone the ultra low distortion and super S/N R.

Thanks to the unique and flexible power system, with a huge capacity storage, can be connected with all kinds of speakers. What's more, device functions well in the circumstances of stereo, single channel and bridge connection models.

The handy 2U-cabinet that makes setting and carrying easier can be fixed on any parts of the rack. The perfect protection circuit let it have itself-protected characteristics.

The latest patent of earthed technology that is adapted by the device is able to working without floating switch and minimize the noise no matter what kind the connection is.

The device that have been studied for years are the optimum products with elaborated performances, which is proved by the sophisticated interior layout.

The circuit where power is controlled by dynamic compressor is a patent, assuring the system is working in a permanent safe situation.

The characteristics of [RH-AUDIO](#) Professional Sound Amplifier:

- ※ Stable and dependable performance
- ※ Precise and pure quality
- ※ Flexible power set



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※ Designed for the sound applications of conference rooms, churches, or mosques etc.

※ Patent of earthed technology

※ Always pursuit of the best

※ Intelligence dynamic compressor system

The specifications of [Professional Sound Amplifier](#):

Model	RH-RZ100	RH-RZ200	RH-RZ300	RH-RZ400	RH-RZ500	RH-RZ600	RH-RZ700
Rated Output Power Continuous Average Power RMS,1KHz,THD≤1%							
Bridge @ 4Ω	N.A	N.A	N.A	N.A	1×1800W	1×2160W	1×2520W
Bridge @ 8Ω	1×280W	1×560W	1×840W	1×1120W	1×1500W	1×1800W	1×2160W
Bridge @ 16Ω	1×200W	1×400W	1×600W	1×800W	1×1000W	1×1200W	1×1400W
Stereo @ 2Ω	N.A	N.A	N.A	N.A	2×930W	2×1110W	2×1400W
Stereo @ 4Ω	2×140W	2×280W	2×420W	2×560W	2×750W	2×900W	2×1050W
Stereo @ 8Ω	2×100W	2×200W	2×300W	2×400W	2×500W	2×600W	2×700W
Maximum Peak to Peak Output Power Peak to Peak,1KHz,THD≤1%							
Bridge @ 4Ω	N.A	N.A	N.A	N.A	1×14400W	1×17280W	1×20160W
Bridge @ 8Ω	1×2240W	1×4480W	1×6720W	1×8960W	1×12000W	1×14400W	1×16800W
Bridge @ 16Ω	1×1600W	1×3200W	1×4800W	1×6400W	1×8000W	1×9600W	1×11200W
Stereo @ 2Ω	N.A	N.A	N.A	N.A	2×7200W	2×8640W	2×10080W
Stereo @ 4Ω	2×1120W	2×2240W	2×3360W	2×4480W	2×6000W	2×7200W	2×8600W
Stereo @ 8Ω	2×800W	1×1600W	2×2400W	2×3200W	2×4000W	2×4800W	2×5600W
Frequency Response 8Ω load,10dB below rated power	20Hz~20KHz±0.25dB						
THD+N(typical) 20Hz~20KHz,8Ω load,10dB below rated power	<0.05%						
Intermodulation Distortion SMPTE(typical) 8Ω load, 10dB below rated power, 60Hz+7KHz	<0.05%						
Signal to Noise Ratio 20Hz~20KHz,8Ω load,A-weighted	>105dB						
Input CMRR(common mode rejection ratio) @ 1KHz	>80dB						
Channel separation(Crosstalk) @ 1KHz	>80dB						
Damping Factor 8Ω load, 1KHz and below	>300	>300	>350	>350	>400	>450	>500
Circuitry	Bipolar,ClassAB						
Input Impedance	20kΩ balanced						
Slew Rate	25V/μs	25V/μs	30V/μs	30V/μs	40V/μs	40V/μs	40V/μs
Voltage Gain rated power @8Ω	29dB	32dB	34dB	35dB	36dB	37dB	37.5dB
Input Sensitivity Rated Power @ 8Ω	+2.2dBu(1.0Vrms)						
Maximum Input Level	+22.0dBu(10.0Vrms)						
Protection Circuits	Soft-start,inrush-current limitation, temperature monitoring of heat-sinks and transformer,output short protection, output DC protection,output over current protection,mains fuses protection,turn-on/off muting,RF protection						
Dynamic Limiter	Intelligent						
Cooling	One Variable-speed DC fan, left-to-right air flow		Two Variable-speed DC fans, front-to-rear air flow		Four Variable-speed DC fans,front-to-rear air flow		
LED Indicators Front panel	Power-ON,Mode,Clip/Limit,Signal,Protection						
LED Indicators Rear panel	Signal,Mode						
Input Connectors	3-pin XLR,male and female per channel,pin 2=inphase(hot)						
Output Connectors	three 4-pole SPEAKON connectors, both channels and bridge mode output						
Modes of Operation	Stereo,Mono,Bridge						
Power Consumption 1/8 rated output power @ 4Ω	45W	90W	135W	180W	240W	290W	340W
Power Consumption 1/3 rated output power @ 4Ω	120W	240W	360W	480W	640W	770W	900W
Mains Fuse	240V/230V:F8A 120V/100V:F15A	240V/230V:F8A 120V/100V:F15A	240V/230V:F12A 120V/100V:F25A	240V/230V:F12A 120V/100V:F25A	240V/230V:F20A 120V/100V:F30A	240V/230V:F20A 120V/100V:F30A	240V/230V:F20A 120V/100V:F30A
Power Supply	240V,230V,120V or 100V;50Hz/60Hz(factory configured)						
The height of Unit	2U						
Product Dimension(WXDXH)	482X304X88mm		482X365X88mm		482X424X88mm		
Net Weight	9.8kg		13.3kg		16.5kg		
Shipping Dimension(WXDXH)	623X482X215mm/0.0646m ³		623×542X215mm/0.0726m ³		623×602×215mm/0.0806m ³		
Gross Weight	12.3kg		15.8kg		19kg		



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