ARVOX

Power Amplifier

1–CH Digital Power Amplifier

RP-1036DS RP-1050DS RP-1065DS
RP-1010DS RP-1015DS RP-1020DS
RP-1025DS



Function Description:

* High–grade aluminum 1U black anodized brushed panel, elegant and generous;
* All internal PCBs adopt double–sided SMT patch circuits for more stable and reliable performance;
* Adopts internationally advanced Class D digital power amplifier circuit, featuring high efficiency and energy saving;
* The output uses an isolated audio transformer to effectively enhance load capacity and ensure stable and reliable operation;
* Equipped with RCA jacks, no adapter required, making the interface more flexible;
* Provides 70V/100V adaptive constant voltage output and 4–8Ω constant resistance output(These features are compatible with RP–1036DS, RP–1050DS, RP–1065DS, RP–1010DS.);
* Provides 100V constant voltage output and 8Ω constant resistance output(These features are compatible with RP–1015DS, RP–1020DS, RP–1025DS.);
* Adjustable output volume with a fully sealed dust–proof potentiometer, ensuring permanent dust resistance and no noise during adjustment;
* 4–unit LED display for easy monitoring of working status;
* Complete protection functions including output short–circuit protection, DC protection, overload protection, over–temperature protection, etc.;
* The cooling fan adopts an automatic speed control design, with lower speed at lower temperatures, effectively reducing standby noise;

Specification

Model NO.	RP-1036DS	RP-1050DS	RP-1065DS	RP-1010DS	RP-1015DS	RP-1020DS	RP-1025DS
Rated Output Power	360W	500W	650W	1000W	1500W	2000W	2500W
Output Mode	4–8Ω constant resistance output, 70V/100V adaptive constant voltage output				8Ω constant resistance output, 100V constant voltage output		
Input Sensitivity	10KΩ 0.775V (0dBV), unbalanced						
Auxiliary Output	0.775V (0dBV)						
Frequency Response	100Hz~15kHz (±3dB)				80Hz~15kHz (±3dB)		
Total Harmonic Distortion (THD)	<0.5% at 1kHz, 1/3 of rated output power						
Signal-to-Noise Ratio (S/N)	>105 dB						
Damping Factor	600						
Slew Rate	40V/μS						
Output Regulation	<3dB, from no-signal static state to full-load working state						
Function Controls	One volume control, one power switch						
Cooling Method	Auto–speed control fan						
Indicators	Power: 'POWER', Clipping: 'CLIP', Signal: 'SIGNAL', Protection: 'PROT', Over-temperature: 'TEMP'						
Protection	AC FUSE ×8A, load short–circuit protection, over–temperature protection		AC FUSE ×10A, load short–circuit protection, over–temperature protection	AC FUSE ×20A, load short–circuit protection, over–temperature protection			
Power Cable	(3×1.5 mm²)×1.5M (standard)						
Power Supply	AC220V±10% 50–60Hz						
Power Consumption	675W		878W	1350W	2000W	2500W	3300W
Machine Dimensions	44(H)×483(W)×366(D)mm						
Net Weight	6.45kg			8.65kg	5.45kg		