

# HN-IA4500-E

## POWER AMPLIFIER

HN-IA4500-E is a high efficient 4X500W Power/Booster amplifier provides audio signal amplification for public address and voice alarm system, It is reliable, efficient and light weight.



## FEATURES AND BENEFIT



100V & 4-16 OHMS Transformer- Less Design



Super Class-D topology full bandwidth PWM Modulator  
Ultra-low distortion



Led Status Indications



Output Short-Circuit and Thermal Protection

## TECHNICAL SPECIFICATIONS

MODEL NUMBER	HN-IA4500-E
Number of Input Channels (Analog)	4
Number of Output Channels	4
Input Connectors (Signal Input)	4 x XLR, 4 x 3-pin Phoenix, 4 x RCA (Phono)
Output Connectors (Speaker Output)	4 x 2-pin Phoenix
Output Gain Knob (Volume Knob) at the rear panel	4
Model Selector - Normal or Bridged (Rear Panel)	Press for Bridge Mode and Release for Normal Mode
Front Panel LED Indications	Power, Signal, Protect, Clip
Maximum Output Power @ 4Ω	4 x 500W
Maximum Output Power @ 8Ω	4 x 500W
Maximum Output Power @ 70V/100V (Direct Drive)	4 x 500W
Maximum Output Power @ 4Ω Bridged (Channel Pair)	2 x 1000W
Maximum Output Power @ 8Ω Bridged (Channel Pair)	2 x 1000W
Maximum Output Power @ 70V/100V Bridged (Channel Pair)	2 x 1000W

Output Circuitry	Class D - full bandwidth PWM modulator with ultra low distortion, 90% efficiency.
Input Sensitivity	1.4V (+4 dBu)
Amplifier Gain	28.2 dB / 34.2 dB bridge mode
Signal To Noise-Ratio	> 11.9 dB (A-weighted, 20 Hz - 20 kHz, 8Ω load)
THD+N (typical)	< 0.05 % (20 Hz - 20 kHz, 8Ω load, 3 dB below rated power)
Frequency Response	20 Hz - 20 kHz (+0/-0.25 dB (8Ω load, 3 dB below rated power)
Damping Factor	>2000, each channel (8Ω load, 1 kHz and below)
Protection Circuits	Short circuit protection, DC protection, under voltage protection, temperature protection, overload protection
Power Supply	Universal mains switch mode power supply with Power Factor Correction (PFC) & integral standby converter
Input Voltage (AC)	Universal Mains with PFC, 90-270 VAC @ 50Hz to 60Hz
Operating Temperature & Humidity	-10°C to 50°C @ 90% relative humidity (non condensing)
Cooling	Fan, variable speed, temperature controlled, front to rear airflow
CE & RoHS Standards	Complaint to CE & RoHS
Safety Standards	Complaint to IEC/EN 60065:2001 (7th E) + A1:2005 = A2:2010
	Complaint to IEC/EN/UL 62368-1: 2014 (2nd E)
	Complaint to EN 60065:2002 + A1:2006 + A11: 2008 + A2:2010 + A12:2011
	Complaint to EN 62368:2014
	Complaint to CSA C22.2 NO.62368-1-14:2014
	Complaint to UL 62368:2014
Electro Magnetic Compliance (Emission)	Complaint to EN 55032:2012 with EN 55032:2012 AC 2013
	Complaint to EN 61000-3-2:2014
	Complaint to EN 61000-3-3:2013
Electro Magnetic Compliance (Immunity)	Complaint to EN 55103-2:2009
	Complaint to FCC part 15 sub part B

AC Input Power Cord	230V/10A - 3 Pin Power Cord (Fixed)
Input AC Power in watts, when both channels are driven (In Bridge Mode), Pink Noise input @ 230V AC input	984W
Net Weight	10.00 Kg
Gross Weight	11.50 Kg
Product Dimension	530 mm x 482 mm x 88 mm (L x W x H)

**For more information,**

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