



AMPLIFIER

HE 4

800w MAX

AB CLASS FOUR CHANNEL POWER AMPLIFIER



Power Supply

Power supply voltage:	11 ÷ 15 VDC
Idling current:	1 A
Idling current when off:	0.02 mA
Consumption @2Ω, 14.4 VDC (Max Musical Power):	25 A

Amplifier stage

Distorsion - THD (1k Hz @ 4Ω):	0,06 %
Bandwidth (-3 dB):	7 ÷ 45 kHz
S/N Ratio (A weighted @ 1 V):	104 dB
Damping factor (1k Hz @ 4Ω):	150
Pre-In sensitivity:	0.3 ÷ 5 V
Pre-In impedance:	15 kΩ
Speaker-In sensitivity:	1.4 ÷ 24 V
Speaker-In impedance:	470 Ω
Load impedance:	
4 Ch	2Ω
3 Ch	2 x 2Ω + 1 x 4Ω
2 Ch	4Ω

CEA 2006-A RATINGS

RMS Power(4 Ohms, ≤1% THD+N, 14.4Volts): 55W x 4 Ch

S/N Ratio (ref. 1 W output): 82 dBA



OUTPUT POWER (RMS) @ 14.4 VDC, THD 1%:

4 Ch	70 W x 4 (4Ω)
4 Ch	100 W x 4 (2Ω)
3 Ch	70 W x 2 (4Ω) + 200 W x 1 (4Ω)
3 Ch	100 W x 2 (2Ω) + 200 W x 1 (4Ω)
2 Ch	200 W x 2 (4Ω)

Other features

Remote In:	6 ÷ 15 VDC - 1 mA
Remote Out :	12 VDC - 15 mA
ART™:	Automatic Remote Turn-On/Off with Speaker-In
Fuse:	2 x 20 A

Inputs/Outputs

Input	PRE / Speaker
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- 1 Thermally optimized die-cast heatsink;
- 2 Silver colour shrouds, hide connections and control panel, providing a hi-tech look;
- 3 HE Status logo monitors the status of the amplifier;
- 4 HE Input featuring either Speaker In (OEM radio) or RCA (Aftermarket radio) inputs;
- 5 ART™, Automatic Remote Turn-On/Off function, automatically turns on and off the amplifier when the OEM radio turns on and off (available on Speaker In only);
- 6 Real 12dB/Oct. continuously adjustable (40 to 400Hz) active crossover with Lo-Pass/Hi-Pass or Full Range settings;
- 7 A/B Input switch eliminates the need for RCA Y-Adapters;
- 8 Multiple Winding transformer, Low-ESR 105°C capacitors, SANKEN Transistor AB Class output stage.

Input configuration

Mode	Input	A Ch	B Ch
4 Ch	A IN B IN	A IN	A IN
4 Ch	A IN B IN	A IN	B IN
3 Ch A= stereo B= mono	A IN B IN	A IN	Apply same L&R signal using RCA Y-adapter
2 Ch	A IN B IN	Apply same L&R signal using RCA Y-adapter	Apply same L&R signal using RCA Y-adapter

Filter configuration

Config.	A Ch	B Ch
1		
2		
3		
4		
5		
6		
7		
8		
9		

Filters & Controls

A Channels	Full / Hi-pass / Lo-Pass 40 ÷ 400 Hz @ 12 dB/Oct.
B Channels	Full / Hi-pass / Lo-Pass 40 ÷ 400 Hz @ 12 dB/Oct.

Dimensions

Max size (mm/inches):	267 x 393 x 63,5 / 10" 9/16 x 15" 1/2 x 2" 1/2
Weight (kg/lb):	3,629 / 8