

AMPLIFIER

HDP 4 1000 W MAX

D CLASS FULL RANGE FOUR CHANNEL



Power Supply

Power supply voltage:	11÷15 VDC
Idling current:	1,5 A
Idling current when off:	0.04 mA
Consumption @ 2Ω, 14.4 VDC (Max Musical Power):	50 A

Amplifier stage

Distorsion - THD (100 Hz @ 4Ω):	0.08 %
Bandwidth (-3 dB):	5 ÷ 55k Hz
S/N Ratio (A weighted @ 1 V):	100 dB
Damping factor (100 Hz @ 4Ω):	50
Pre-In sensitivity:	0.3 ÷ 5 V RMS
Pre-In impedance:	15 kΩ
Speaker-In sensitivity:	1.4 ÷ 24 V RMS
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 Ω, ≤ 1 % THD+N, 14.4 V):	120 W x 4Ch	
S/N Ratio (ref. 1 W output):	80 dBA	

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

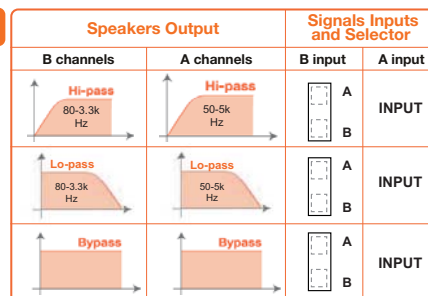
4 Ch	150 W x 4 (4Ω)
4 Ch	250 W x 4 (2Ω)
3 Ch	150 W x 2 (4Ω) + 500 W x 1 (4Ω)
3 Ch	250 W x 2 (2Ω) + 500 W x 1 (4Ω)
2 Ch	500 W x 2 (4Ω)

Other functions

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 40 A

- 1 Thermally optimized double extruded heatsink, ergonomic and aluminium die-cast end caps;
- 2 4 LEDs monitor the status of the amplifier and communicate with the user;
- 3 Special balanced input circuitry to reject electromagnetic disturbances present on the Pre-amplified or Speaker level inputs;
- 4 HDP Input featuring either Speaker In (OEM radio) and RCA In (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 Full range Pre-out, also available when using Speaker Level In inputs;
- 7 12 dB/Oct. continuously adjustable (50 to 5k Hz and 80 to 3.3k Hz) active crossover with Lo-Pass/Hi-Pass or Full Range settings;
- 8 A/B Input switch eliminates the need for RCA Y-Adapters;
- 9 Power supply stage featuring multiple winding transformer, Low-ESR 105°C capacitors, D-Class 2 Ω stable output stage based on solid T220-5pin power Mosfets.

Filter config.



Inputs / Filters

Inputs:	Pre IN / Speakers IN
Outputs:	Pre OUT
A Ch Filters: Full/Hi-Pass/Lo-Pass	50 ÷ 5k Hz (2 range) @ 12 dB/Oct.
B Ch Filters: Full/Hi-Pass/Lo-Pass	80 ÷ 3.3k Hz @ 12 dB/Oct.

Size / Weight

Maz size (mm/inches):	171 x 284 x 46.70 / 6.73" x 11.18" x 1.83"
Weight (kg/lb):	2.45 / 5.4