

# AMPLIFIER

## HDP 1 1000 W MAX

D CLASS MONO



### Power Supply

Power supply voltage:	11 ÷ 15 VDC
Idling current:	2 A
Idling current when off:	0.04 mA
Consumption @ 2Ω, 14.4 VDC (Max Musical Power):	60 A

### Amplifier stage

Distorsion - THD (100 Hz @ 4Ω):	0.08 %
Bandwidth (-3 dB):	18 ÷ 150 Hz
S/N Ratio (A weighted @ 1 V):	103 dB
Damping factor (100 Hz @ 4Ω):	100
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:	
1 Ch	4 ÷ 2Ω

### CEA 2006-A RATINGS

RMS Power (4 Ω, ≤ 1 % THD+N, 14.4 V):	600 W x 1Ch	
S/N Ratio (ref. 1 W output):	83,5 dBA	

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

1 Ch	600 W x 1 (4Ω)
1 Ch	1000 W x 1 (2Ω)

### Other functions

Remote In:	6 ÷ 15 VDC - 1 mA
ART™:	Automatic Remote Turn-On/Off with Speaker-In
Fuse:	3 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 Continuously variable (0–180°) phase control for proper alignment of the subwoofer output with the front woofers;
- 8 Continuously adjustable (18 to 40Hz) 24dB/Oct. subsonic filter;
- 9 24 dB/Oct. continuously adjustable (40 to 150Hz) Lo-Pass filter;
- 10 Power supply stage featuring multiple winding transformer, Low-ESR 105°C capacitors, D-Class 2 Ω stable (1000 W RMS) output stage based on solid TO220 Power Mosfets.

### Inputs / Filters

Inputs:	Pre IN / Speakers IN
Outputs:	Pre OUT
Filters: Lo-pass	40 ÷ 150 Hz @ 24 dB/Oct.
Phase:	(continuous adjustment) 0 ÷ 180°
Subsonic: Hi-pass	18 ÷ 40 Hz @ 24 dB/Oct.
Remote SUB Volume:	(-50 ÷ 6) dB

### Size / Weight

Maz size (mm/inches):	171 x 344 x 46.70 6.73" x 13.54" x 1.83"
Weight (kg/lb):	3.09 / 6.81

### Filter config.

