

AMPLIFIER

HCP 1D 1400 W MAX POWER

MONO D-CLASS AMPLIFIER WITH CROSSOVER



Power Supply

Power supply voltage / fuse:	11 ÷ 15 VDC / 2 x 25 A
Idling current (power ON/OFF):	1 A / 0.04 mA
Consumption @ 2 Ω, 14.4 VDC (Max Musical Power):	25 A
Remote In:	7 ÷ 15 VDC - 1 mA
ART:	Automatic Remote Turn-On/Off with Speaker-In

Amplifier Stage

Features:	
Distorsion - THD (100 Hz @ 4 Ω):	0.2 %
Bandwidth:	10 ÷ 22k Hz
S/N Ratio (A weighted @ 1 V):	100 dB
Damping factor (100 Hz @ 4 Ω):	80
Pre-In sensitivity:	0.6 ÷ 5 VRMS (15 k Ω)
Speaker-In sensitivity:	1.5 ÷ 12 VRMS (47 Ω)
Load impedance (MIN):	2 Ω
Output Power (RMS) @ 14.4 VDC, THD 1%:	
1 Ch:	320 W x 1 (4 Ω)
1 Ch:	550 W x 1 (2 Ω)
Output Power (RMS) @ 14.4 VDC, THD 10%:	
1 Ch:	380 W x 1 (4 Ω)
1 Ch:	700 W x 1 (2 Ω)
CEA 2006-A Ratings:	
RMS Power (4 Ω, ≤ 1 %THD + N, 14.4 V):	300 W x 1 Ch
S/N Ratio (ref. 1 W output):	80 dBA

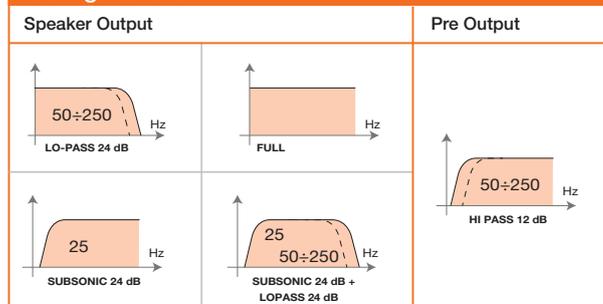


Inputs / Outputs / Filter

INPUTS:	PRE IN / SPEAKER IN
Preout Hi-Pass:	50 ÷ 250 Hz @ 12 dB/Oct.
Filters FULL:	Yes
Lo-Pass:	50 ÷ 250 Hz @ 24 dB/Oct.
SUBSONIC (on/off):	25 Hz @ 24 dB/Oct.
BOOST 50 Hz (adjust):	(0 ÷ 12) dB
PHASE (adjust):	(0 ÷ 180) deg
Remote Volume Control (adjust):	(-50 ÷ 6) dB

1. Compact design built from an extruded aluminum heatsink with the top side ensuring effective transfer of the heat generated by the power electronic components.
2. Special balanced input circuitry to reject electro-magnetic disturbances present on the Pre-In or Speaker-In inputs.
3. Input featuring both Speaker-In (OEM radio) and RCA-In (Aftermarket radio) inputs.
4. Selectable 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).
5. Power supply stage featuring multiple winding transformer, Low-ESR 105°C capacitors, D-Class 2 Ω stable.
6. Pre-out, also available when using Speaker level inputs, with continuously adjustable (50 to 250 Hz) Hi-Pass filter. Allows to create a Band-Pass filter with the front woofer amplifier to eliminate sub frequencies.
7. Selectable full range power output, for dual-mono powerful audio systems.
8. Bass Boost (50 Hz) adjustable to 12 dB, to increase the subwoofer punch.
9. 24 dB continuously adjustable (50 to 250 Hz) Lo-Pass filter.
10. SUBSONIC filter (24 dB - 25 Hz), removes very low subsonic frequencies from music signal to avoid damages to the subwoofer.
11. Continuously adjustable PHASE control (0 to 180°); it increases bass alignment of woofer with sub.
12. Optional Remote Volume Control (HRC); allows the user to adjust subwoofer level from dashboard.

Configurations



Size / Weight

Max size (mm / in.):	215 x 190 x 50 / 8.46 x 7.48 x 1.97
Weight (kg / lb.):	1,94 / 4.27