

# 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

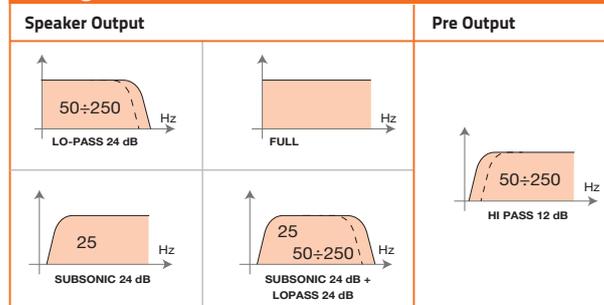
### Amplifier Stage

<b>Features:</b>	
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:	0.2 ÷ 5 VRMS
Speaker-In sensitivity:	0.8 ÷ 20 VRMS
Load impedance (MIN):	2 Ω
<b>Output Power (RMS) @ 14.4 VDC, THD 1%:</b>	
1 Ch:	320 W x 1 (4 Ω)
1 Ch:	550 W x 1 (2 Ω)
<b>Output Power (RMS) @ 14.4 VDC, THD 10%:</b>	
1 Ch:	380 W x 1 (4 Ω)
1 Ch:	700 W x 1 (2 Ω)
<b>CEA 2006-A Ratings:</b>	
RMS Power (4 Ω, ≤ 1%THD + N, 14.4 V):	300 W x 1 Ch
S/N Ratio (ref. 1 W output):	80 dBA



1. Compact design built from extruded aluminum heatsink with the top side ensuring effective transfer of the heat.
2. Special balanced high-noise rejection input circuitry on the Pre-In or Speaker-In inputs.
3. Speaker-In (for OEM head units) and RCA-In (for Aftermarket head units) 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 (can be enabled/disabled, with only Speaker-In inputs).
5. Power supply featuring multiple winding transformer, Low-ESR 105°C capacitors, D-Class 2 Ω stable output stage.
6. Pre-outs, also available when using Speaker-In inputs, equipped with Hi-Pass filter with adjustable 12 dB/Oct. slope with continuity between 50 and 250 Hz, providing the ability to create Front + Sub multi-amplification active systems.
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 continuous adjustable (50 to 250 Hz) Lo-Pass filter.
10. SUBSONIC filter (24 dB - 25 Hz), removes very low subsonic frequencies from music signal to prevent damage to the subwoofer.
11. Continuous adjustable PHASE control (0 to 180°); it optimizes alignment of woofer bass frequencies with sub ones.
12. Optional Remote Volume Control (HRC); providing the ability to adjust subwoofer volume level from the dashboard.

### Configurations



### Inputs / Outputs / Filter

<b>INPUTS:</b>	PRE IN / SPEAKER IN
Pre out 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

### 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