

AMPLIFIER

HCP 1DK 2480 W
MAX POWER

MONO D-CLASS AMPLIFIER WITH CROSSOVER



Power Supply

Power supply voltage / fuse:	11 ÷ 15 VDC / 3 x 30 A
Idling current (power ON/OFF):	0.8 A / 1 mA
Consumption @ 2 Ω, 14.4 VDC (Max Musical Power):	45 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):	0.25 %
Bandwidth:	10 ÷ 500 Hz
S/N Ratio (A weighted @ 1 V):	100 dB
Damping factor (100 Hz @ 4 Ω):	> 100
Pre-In sensitivity:	0.6 ÷ 5 VRMS (15 kΩ)
Speaker-In sensitivity:	1.5 ÷ 12 VRMS (33 Ω)
Load impedance (MIN):	2 Ω

Output Power (RMS) @ 14.4 VDC, THD 1%:

1 Ch:	600 W x 1 (4 Ω)
1 Ch:	1100 W x 1 (2 Ω)

Output Power (RMS) @ 14.4 VDC, THD 10%:

1 Ch:	740 W x 1 (4 Ω)
1 Ch:	1240 W x 1 (2 Ω)

CEA 2006-A Ratings:

RMS Power (4Ω, ≤1 % THD + N, 14.4 V):	600 W x 1 Ch
S/N Ratio (ref. 1 W output):	80 dBA

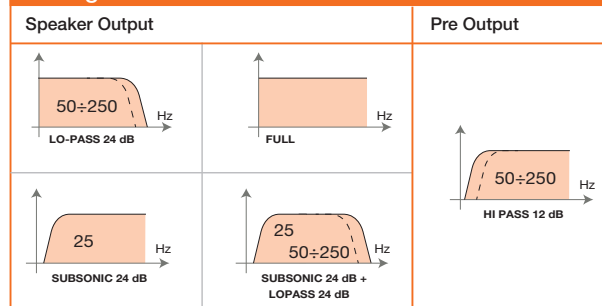


Inputs / Outputs / Filter

INPUTS:	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 ÷ 6) dB
PHASE (adjust):	(0 ÷ 180) deg
Remote Volume Control (adjust):	(-50 ÷ 6) dB

1. Compact design built from extruded aluminum heatsink with the top side ensuring effective transfer of the heat generated by the power electronic components.
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 level 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. Adjustable Bass Boost (50 Hz) with continuity between 0 dB and 6 dB, for more punch from the subwoofer.
8. Full-range and Lo-Pass crossover filters with 24 dB/Oct. slope and variable frequency (50 Hz - 250 Hz), both selectable, with a greater application versatility for the design of active systems.
9. SUBSONIC filter (24 dB - 25 Hz), removes very low subsonic frequencies from music signal to prevent damage to the subwoofer.
10. Continuously adjustable PHASE control (0 to 180°); it optimizes alignment of woofer bass frequencies with sub ones.
11. Optional Remote Volume Control (HRC); providing the ability to adjust subwoofer volume level from the dashboard.

Configurations



Size / Weight

Max size (mm / in.):	315 x 190 x 50 / 12.40 x 7.48 x 1.97
Weight (kg / lb.):	3,0 / 6,61