

# AMPLIFIER

## HCP 4DK 2000 W MAX POWER

HIGH POWER FOUR CHANNEL D-CLASS AMPLIFIER WITH CROSSOVER



### Power Supply

Power supply voltage / fuse:	11 ÷ 15 VDC / 2 x 35 A
Idling current (power ON/OFF):	1.6 A / 0.05 mA
Consumption @ 2 Ω, 14.4 VDC (Max Musical Power):	40 A
Remote In:	4 ÷ 16 VDC - 1 mA
ART™:	Automatic Remote Turn-On/Off with Speaker-In

### Amplifier Stage

<b>Features:</b>	
Distorsion - THD (100 Hz @ 4 Ω):	0.03%
Bandwidth:	10 ÷ 35k Hz
S/N Ratio (A weighted @ 1 V):	105 dB
Damping factor (100 Hz @ 4 Ω):	200
Pre-In sensitivity:	0.2 ÷ 5 VRMS
Speaker-In sensitivity:	0.8 ÷ 20 VRMS
Load impedance (MIN) @ 4 Ch:	2 Ω
@ 3 Ch:	2 Ω + 2 Ω + 4 Ω
@ 2 Ch:	4 Ω

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

4 Ch:	120 W x 4 (4 Ω)
4 Ch:	220 W x 4 (2 Ω)
3 Ch:	120 W x 2 (4 Ω) + 440 W x 1 (4 Ω)
3 Ch:	220 W x 2 (4 Ω) + 440 W x 1 (4 Ω)
2 Ch:	440 W x 2 (4 Ω)

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

4 Ch:	150 W x 4 (4 Ω)
4 Ch:	250 W x 1 (2 Ω)
3 Ch:	150 W x 2 (4 Ω) + 520 W x 1 (4 Ω)
3 Ch:	250 W x 2 (2 Ω) + 520 W x 1 (4 Ω)
2 Ch:	520 W x 2 (4 Ω)

### CEA 2006-A Ratings:

RMS Power (4 Ω, ±1 %THD + N, 14.4 V):	110 W x 4 Ch
S/N Ratio (ref. 1 W output):	85 dBA



### Size / Weight

Max size (mm / in.):	315 x 190 x 50 / 12.40 x 7.48 x 1.97
Weight (kg / lb.):	2,73 / 6.01

1. Latest generation D-Class 2Ω stable output stage ensuring very high power with an excellent S/N ratio.
2. New layout design to improve efficiency and thermal stability.
3. Power supply featuring low noise multiple winding transformer, Low-ESR 150° C capacitors and selected components.
4. Compact design built from extruded aluminum heatsink with the top side ensuring effective transfer of the heat.
5. Special balanced high-noise rejection input circuitry on the Pre-In or Speaker-In inputs.
6. Speaker-In (for OEM head units) and RCA-In (for Aftermarket head units) inputs.
7. ART (Automatic Remote Turn-On/Off) automatically turns on/off the amplifier when the OEM radio turns on/off (can be enabled/disabled, with Speaker-In inputs).
8. Pre-outs, also available when using Speaker-In level inputs.
9. Mono operation mode (selectable) to create a sub + front three-channel system or a powerful two-channel system.
10. Bass Boost (50 Hz) adjustable to 12 dB, to increase the subwoofer punch.
11. Lo-Pass and Hi-Pass 12 dB adjustable (50 Hz to 3200 Hz) filters, providing the ability to build a front + rear system, a multichannel woofer + tweeter system or a powerful sub + front system.
12. Selectable full range power outputs.

### Inputs / Outputs / Filter

<b>INPUTS :</b>	PRE IN / SPEAKER IN
<b>Pre out FULL range (FRONT):</b>	Yes
<b>FRONT Ch. filters FULL:Yes</b>	
<b>Hi-Pass:</b>	50 ÷ 3.2k Hz @ 12 dB/Oct.
<b>Lo-Pass:</b>	50 ÷ 3.2k Hz @ 12 dB/Oct.
<b>REAR Ch. filters FULL:Yes</b>	
<b>Hi-Pass:</b>	50 ÷ 3.2k Hz @ 12 dB/Oct.
<b>Lo-Pass:</b>	50 ÷ 3.2k Hz @ 12 dB/Oct.
<b>FRONT Ch. MONO (on/off):</b>	Yes
<b>REAR Ch. MONO (on/off):</b>	Yes
<b>BOOST 50 Hz (adjust):</b>	(0 ÷ 12) dB

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