

AMPLIFIER

HCP 4D **1160 W**
MAX POWER

FOUR CHANNEL D-CLASS AMPLIFIER WITH CROSSOVER



Power Supply

Power supply voltage / fuse:	11 ÷ 15 VDC / 2 x 20 A
Idling current (power ON/OFF):	1.6 A / 0.04 mA
Consumption @ 2 Ω, 14.4 VDC (Max Musical Power):	22 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):	0.02 %
Bandwidth:	10 ÷ 60K Hz
S/N Ratio (A weighted @ 1 V):	100 dB
Damping factor (100 Hz @ 4 Ω):	200
Pre-In sensitivity:	0.6 ÷ 5 VRMS (15 k Ω)
Speaker-In sensitivity:	1.5 ÷ 12 VRMS (47 Ω)
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:	75 W x 4 (4 Ω)
4 Ch:	130 W x 4 (2 Ω)
3 Ch:	75 W x 2 (4 Ω) + 260 W x 1 (4 Ω)
3 Ch:	130 W x 2 (2 Ω) + 260 W x 1 (4 Ω)
2 Ch:	260 W x 2 (4 Ω)

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

4 Ch:	85 W x 4 (4 Ω)
4 Ch:	145 W x 4 (2 Ω)
3 Ch:	85 W x 2 (4 Ω) + 290 W x 1 (4 Ω)
3 Ch:	145 W x 2 (2 Ω) + 290 W x 1 (4 Ω)
2 Ch:	290 W x 2 (4 Ω)

CEA 2006-A Ratings:

RMS Power (4 Ω, ≤1 %THD + N, 14.4 V):	70 W x 4 Ch
S/N Ratio (ref. 1 W output):	80 dBA



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

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 electromagnetic disturbances present on the Pre-amplified or Speaker level 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.
7. Mono operation mode (selectable) to realize a sub + front three-channel system or a powerful two-channel system.
8. Bass Boost (50 Hz) adjustable to 12 dB, to increase the subwoofer punch.
9. Lo-Pass and Hi-Pass 12 dB adjustable (50 Hz to 3200 Hz) filters, providing the ability to realize a front + rear system, a multichannel woofer + tweeter system or a powerful sub + front system.
10. Selectable full range power outputs.

Inputs / Outputs / Filter

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

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Configurations

