

AMPLIFIER

HCP 4

**760 W
MAX POWER**

FOUR CHANNEL AMPLIFIER WITH CROSSOVER



Power Supply

Power supply voltage / fuse:	11 ÷ 15 VDC / 2 x 20 A
Idling current (power ON/OFF):	1 A / 0.04 mA
Consumption @ 2 Ω, 14.4 VDC (Max Musical Power):	21 A
Remote In:	7 ÷ 15 VDC - 1 mA
ART:	Automatic Remote Turn-On/Off with Speaker-In

Amplifier Stage

Features:	
Distorsion - THD (100 Hz @ 4Ω):	0.01 %
Bandwidth:	10 ÷ 45K Hz
S/N Ratio (A weighted @ 1 V):	103 dB
Damping factor (100 Hz @ 4 Ω):	120
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:	55 W x 4 (4 Ω)
4 Ch:	85 W x 4 (2 Ω)
3 Ch:	55 W x 2 (4 Ω) + 170 W x 1 (4 Ω)
3 Ch:	85 W x 2 (2 Ω) + 170 W x 1 (4 Ω)
2 Ch:	170 W x 2 (4 Ω)

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

4 Ch:	65 W x 4 (4 Ω)
4 Ch:	95 W x 4 (2 Ω)
3 Ch:	65 W x 2 (4 Ω) + 190 W x 1 (4 Ω)
3 Ch:	95 W x 2 (2 Ω) + 190 W x 1 (4 Ω)
2 Ch:	190 W x 2 (4 Ω)

CEA 2006-A Ratings:

RMS Power (4 Ω, ≤ 1 %THD + N, 14.4 V):	50 W x 4 Ch
S/N Ratio (ref. 1 W output):	82 dBA



Size / Weight

Max size (mm / in.):	315 x 190 x 50 / 12.40 x 7.48 x 1.97
Weight (kg / lb.):	2,62 / 5.77

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, AB-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) selectable to 12 dB, to increase the subwoofer punch.
9. Lo-Pass (50 Hz to 500 Hz) and Hi-Pass (80 Hz) 12 dB crossover filters. The Hi-Pass fixed frequency filter ensures optimal coupling with sub amplifier, also providing the ability to realize a front + rear or a 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:	80 Hz @ 12 dB/Oct.
Lo-Pass:	50 ÷ 500 Hz @ 12 dB/Oct.
REAR Ch. filters FULL:	Yes
Hi-Pass:	80 Hz @ 12 dB/Oct.
Lo-Pass:	50 ÷ 500 Hz @ 12 dB/Oct.
FRONT Ch. MONO (on/off):	Yes
REAR Ch. MONO (on/off):	Yes
BOOST 50 Hz (select):	(0 / 6 / 12) dB

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Configurations

