

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:	0.2 ÷ 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:	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):	
S/N Ratio (ref. 1 W output):	
	50 W x 4 Ch
	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 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, AB-Class 2 Ω stable output stage.
6. Pre-outs, also available when using Speaker-In level inputs.
7. Mono operation mode (selectable) to create 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 build 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			
Speaker Output		Pre Output	
Speaker Output		Speaker Output	