

AMPLIFIER

HCP 2X 800 W
MAX POWER

STEREO AMPLIFIER WITH CROSSOVER



Power Supply

Power supply voltage / fuse:	11 ÷ 15 VDC / 2 x 20 A
Idling current (power ON/OFF):	0.6 A / 0.4 mA
Consumption @ 2 Ω, 14.4 VDC (Max Musical Power):	20 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):	0.03 %
Bandwidth:	10 ÷ 65k Hz
S/N Ratio (A weighted @ 1 V):	105 dB
Damping factor (100 Hz @ 4 Ω):	300
Pre-In sensitivity:	0.6 ÷ 5 VRMS (15 k Ω)
Speaker-In sensitivity:	1.5 ÷ 12 VRMS (33 Ω)
Load impedance (MIN) @ 2 Ch:	4 Ω
@ 1 Ch:	2 Ω

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

2 Ch:	100 W x 2 (4 Ω)
2 Ch:	160 W x 2 (2 Ω)
1 Ch:	320 W x 1 (4 Ω)

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

2 Ch:	120 W x 2 (4 Ω)
2 Ch:	200 W x 2 (2 Ω)
1 Ch:	400 W x 1 (4 Ω)

CEA 2006-A Ratings:

RMS Power (4 Ω, ≤ 1 % THD + N, 14.4 V):	100 W x 2 Ch
S/N Ratio (ref. 1 W output):	83 dBA

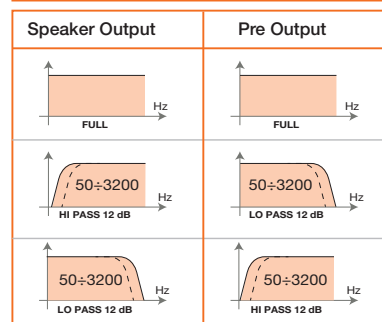


Inputs / Outputs / Filter

INPUTS:	PRE IN / SPEAKER IN
Pre out FULL:	Yes
Hi-Pass:	50 ÷ 3200 Hz @ 12 dB/Oct.
Lo-Pass:	50 ÷ 3200 Hz @ 12 dB/Oct.
Filters FULL:	Yes
Hi-Pass:	50 ÷ 3200 Hz @ 12 dB/Oct.
Lo-Pass:	50 ÷ 3200 Hz @ 12 dB/Oct.
MONO (on/off):	Yes
BOOST 50 Hz (select):	(0 / 3 / 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, AB-Class 2 Ω stable output stage.
6. Pre-outs, also available when using Speaker-In level inputs.
7. Mono operation mode (selectable) to drive a subwoofer or, in combination with a second amplifier, to create a powerful dual-mono system.
8. Bass Boost (50 Hz) adjustable at 0 dB, 3 dB or 6 dB via selector, for more punch from the subwoofer.
9. Hi-Pass, Lo-Pass and Full-range crossover filters with 12 dB/Oct. slope and variable frequency (50 Hz - 3200 Hz), both selectable, with a greater application versatility for the design of active systems.

Configurations



Size / Weight

Max size (mm / in.):	315 x 190 x 50 / 12.40 x 7.48 x 1.97
Weight (kg / lb.):	2,57 / 5.66