

AMPLIFIER

HCP 5D 1500 W MAX POWER

FIVE CHANNEL D-CLASS AMPLIFIER WITH CROSSOVER

Power Supply

Power supply voltage / fuse:	11 ÷ 15 VDC / 2 x 25 A
Idling current (power ON/OFF):	2 A / 0.04 mA
Consumption @ 2 Ω, 14.4 VDC (Max Musical Power):	30 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 FRONT/REAR:	10 ÷ 50k Hz
Bandwidth SUB:	10 ÷ 500 Hz
S/N Ratio (A weighted @ 1 V):	100 dB
Damping factor (100 Hz @ 4 Ω) FRONT/REAR:	100
Damping factor (100 Hz @ 4 Ω) SUB:	250
Pre-In sensitivity:	0.2 ÷ 5 VRMS
Speaker-In sensitivity:	0.8 ÷ 20 VRMS
Load impedance (MIN) @ 5 Ch:	2 Ω
@ 3 Ch:	4 Ω + 4 Ω + 2 Ω
Output Power (RMS) @ 14.4 VDC, THD 1%:	
5 Ch:	55 W x 4 + 160 W x 1 (4 Ω)
5 Ch:	90 W x 4 + 280 W x 1 (2 Ω)
3 Ch:	180 W x 2 (4 Ω) + 160 W x 1 (4 Ω)
3 Ch:	180 W x 2 (4 Ω) + 280 W x 1 (2 Ω)
Output Power (RMS) @ 14.4 VDC, THD 10%:	
5 Ch:	65 W x 4 + 200 W x 1 (4 Ω)
5 Ch:	105 W x 4 + 330 W x 1 (2 Ω)
3 Ch:	210 W x 2 (4 Ω) + 200 W x 1 (4 Ω)
3 Ch:	210 W x 2 (4 Ω) + 330 W x 1 (2 Ω)
CEA 2006-A Ratings:	
RMS Power (4 Ω, ≤ 1 % THD + N, 14.4 V):	
50 W x 4 Ch + 150 W + 1 Ch	
S/N Ratio (ref. 1 W output):	(50 W Ch) 83 dBA (150 W Ch) 85 dBA

Size / Weight

Max size (mm / in.):	345 x 190 x 50 / 13.58 x 7.48 x 1.97
Weight (kg / lb.):	2,61 / 5.75



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, D-Class 2 Ω stable output stage
6. 5 ch/3 ch operation mode (selectable), to create a five-channel system (with sub), or a powerful sub + front three-channel system.
7. Versatile front and rear filters, providing the ability to build Hi-Pass front + rear system or multichannel woofer + tweeter system, both including sub.
8. Bass Boost (50 Hz) adjustable to 12 dB, to increase the subwoofer punch.
9. Selectable full range front + rear power outputs.
10. 24 dB continuous adjustable (50 to 500 Hz) Lo-Pass subwoofer filter.
11. SUBSONIC filter (24 dB - 25 Hz), removes very low subsonic frequencies from music signal to avoid damages to the subwoofer.
12. Optional Remote Volume Control (HRC); providing the ability to adjust subwoofer volume level from the dashboard.

Inputs / Outputs / Filter

INPUTS:	PRE IN / SPEAKER IN
FRONT Ch. filters FULL:	Yes
Hi-Pass:	50 ÷ 5k Hz @ 12 dB/Oct.
REAR Ch. filters FULL:	Yes
Hi-Pass:	50 ÷ 5k Hz @ 12 dB/Oct.
Band-Pass:	50 ÷ 500 Hz (Hi) @ 12 dB/Oct. 50 ÷ 5 kHz (lo) @ 12 dB/Oct.
SUB Ch. filter LO-PASS:	50 ÷ 500 Hz @ 24 dB/Oct.
SUBSONIC (on/off):	25 Hz @ 24 dB/Oct.
BOOST 50 Hz (adjust):	(0 ÷ 12) dB
Remote Volume Control:	(-50 ÷ 6) dB

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Configurations			
Speaker Output			
5 Ch			
3 Ch			
3 Ch			