

# 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:	0.6 ÷ 5 VRMS (15 kΩ)
Speaker-In sensitivity:	1.5 ÷ 12 VRMS (47 Ω)
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 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. 5 ch / 3 ch operation mode (selectable), to realize a five-channel system (with sub), or a powerful sub + front three-channel system.
7. Versatile front and rear filters, providing the ability to realize 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 continuously 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) allows the user to adjust subwoofer level from 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