

POWER
FOR THE WAVES
THE PURE MARINE
CERTIFIED PRODUCT

1500W
D-CLASS
MAX POWER

HCP 5MD 24V

MARINE 5 CHANNEL
AMPLIFIER - **NEW**



Optional HRC (Hertz Remote Control) for
HCP 5 MD / HCP 5MD 24v

POWER SUPPLY

Power supply voltage / fuse:	22 ÷ 33 VDC / 2 x 15 A
Idling current (power ON/OFF):	1 A / 0.04 mA
Consumption @ 1 Ω, 14.4 VDC (Max Musical Power):	15 A
Remote In:	7 ÷ 15 VDC - 1 mA
ART:	Automatic Remote Turn-On/Off with Speaker-In

AMPLIFIER STAGE

Distorsion - THD (100 Hz @ 4Ω):	0.02 %
Bandwidth:	10 ÷ 50k Hz
Bandwidth:	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: @ 3 Ch:	2Ω 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 x 1 Ch
S/N Ratio (ref. 1 W output):	(50 W Ch) 83 dBA (150 W Ch) 85 dBA



- Engineered and tested for the real environment of application (UV, salt-fog, vibrations, high/low temperature, thermal shock, dust).
- Compact design built from extruded aluminum heatsink with the top side ensuring effective transfer of the heat.
- Power supply featuring multiple winding transformer, Low-ESR 105°C capacitors, D-Class 2 Ω stable output stage.
- Versatile front and rear filters, providing the ability to build Hi-Pass front + rear or multichannel woofer + tweeter systems, both including sub.
- 24 dB continuous adjustable (50 to 500 Hz) Lo-Pass subwoofer filter.
- SUBSONIC filter (24 dB - 25 Hz), removes very low subsonic frequencies from music signal to avoid damages to the subwoofer.
- 5 ch/3 ch operation mode (selectable), to create a five-channel system (with sub), or a powerful sub + front three-channel system.
- Bass Boost adjustable via selector, for more punch from speakers.
- Special balanced input circuitry to reject electro-magnetic disturbances.
- Hi-Level and lo-level inputs compatible with any source.
- Short-circuit and thermal protections with auto resetting.
- 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: Hi-Pass:	Yes 50 ÷ 5k Hz @ 12 dB/Oct.
REAR Ch. filters FULL: Hi-Pass: Band-Pass:	Yes 50 ÷ 5k Hz @ 12 dB/Oct. 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

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