

POWER FOR THE WAVES
THE PURE MARINE
CERTIFIED PRODUCT

HMD8 DSP

8 CH MARINE AMPLIFIER WITH DSP



130W x 8Ch

D-CLASS
 MAX POWER

HERTZ MARINE DSP TECHNOLOGY

MULTI ZONE SETUP	INPUT/OUTPUT MATRIX	CROSSOVER FILTER	TIME ALIGNMENT	GRAPHIC PARAMETRIC EQ
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KEY FEATURES

DIGITAL OPTICAL IN	PC SOFTWARE	6 PRE INPUT	9 CH DSP 8 CH POWER AMP
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HI POWER 2 OHM STABLE	CORROSION RESISTANT	WATER JET RESISTANT	SALT FOG PROOF
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NEW HIGHS OF LISTENING PLEASURE DURING NAVIGATION

The DSP user friendly PC-Software interface make the setup process a breeze, exploiting every single pills of performance from the installed speaker system. The amazing power of 8 x 85 W or 4 x 260 W (RMS@ 4Ω) gives the HMD8 DSP the capability to drive with authority the complete speaker system generating tons of crystal clear SPL up to 3 different zone of the vessel.

ADC
 ADVANCED D-CLASS

Thanks to the Hertz advanced D-CLASS output stage, HMD8 DSP joins maximum sound quality with unmatched efficiency to be very compact and easily installed anywhere in the boat.

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AMPLIFIER STAGE	
Distortion - THD @ 1 kHz, 4Ω, 70% Rated Power	0,06%
Damping factor @ 1 kHz, 4Ω, 2 VRMS	> 110
Bandwidth @ -1.5 dB	10Hz ÷ 22kHz
S/N ratio (A weighted @ 1 V Input) Master Input	100 dBA
S/N ratio (A weighted @ 1 V Input) Optical Input	105 dBA
Input sensitivity Pre-In	0.6 ÷ 6 VRMS
Input sensitivity Speaker-In	2.2 ÷ 22 VRMS
Minimum load impedance	8Ch: 2Ω 4Ch - (Bridge 1/2; 3/4; 5/6; 7/8) : 4Ω
OUTPUT POWER (RMS) @14.4 VDC, 1% THD:	
8Ch @ 4Ω	85 W x 8
8Ch @ 2Ω	130 W x 8
4Ch (Bridge 1/2; 3/4; 5/6; 7/8) @ 4Ω	260 W x 4

DIGITAL SIGNAL PROCESSOR	
Filter type	Full / High pass / Low pass / Band pass
Filter model and slope	Butterworth (6, 12, 18, 24, 30, 36, 42, 48, 54, 60 dB/oct) Linkwitz-Riley (12, 24, 36, 48, 60 dB/oct) Bessel (6, 12, 18, 24, 30, 36, 42, 48, 54, 60 dB/oct) Chebyshev (6, 12, 18, 24, 30, 36, 42, 48, 54, 60 dB/oct) QLP quasi-linear phase (6, 12 dB/oct)
Crossover frequency	20 Hz – 20000 Hz integer values
Phase control	0° – 180°, all pass equalizer poles
Bass boost	-
Analog input equalizer	-
Output equalizer	Graphic and Parametric modes n. 10 parametric poles (Peaking, High Shelf, Low Shelf, Notch, All pass) ±12 dB gain, variable Q (0.5 – 16.0) n. 10 graphic poles
Time alignment distance	0 - 510 cm (0 - 200.8 inches)
Time alignment delay	0 - 15 ms
Time alignment step	1 cm
Time alignment fine set step	1 sample
Memories	n. 2 memories n. 3 parametric poles for each memory (Peaking, High Shelf, Low Shelf) ±12 dB gain, variable Q (0.5 – 16.0)
Preset	Rotary switch for 7 installation presets

POWER SUPPLY	
Power supply voltage / fuse	11 ÷ 15 VDC / 2 x 30A
Operating power supply voltage	6.5V ÷ 17V
Idling current	1.6 A
Switched off without DRC	1.7mA
Switched off with DRC	5 mA
Consumption @ 14.4 VDC, 2Ω, Max Musical Power	55 A
Remote IN	6 ÷ 15 VDC (1 mA)
Remote OUT	4 ÷ 15 VDC (150 mA)
ART - Automatic Remote Turn on/off from OUTPUT BTL speakers (Selectable)	2 ÷ 7 VDC
AST - Automatic Signal Turn on/off (Selectable)	Speaker-In
CONTROL CONNECTIONS	
From / To Personal Computer	1 x Micro USB
To Audison DRC AB / MP	1 x AC Link
Optical select	Optical select wire control +12 V enable
Master enable	Master enable wire control +12 V enable
SIZE	
Max size W x H x D (mm/inch)	238 x 495 x 155 / 9.37 x 1.95 x 6.1
Weight (kg/lbs)	1,98 / 4.36
GENERAL REQUIREMENTS	
PC connections	Micro USB 1.1 / 2.0 / 3.0 Compatible
Software/ PC requirements	Microsoft Windows (32/64 bit): Vista, Windows 7, Windows 8, Windows 10
Video resolution with screen resize	min. 1024 x 600
Ambient operating temperature range	0 °C to 55 °C (32 °F to 131 °F)