marine

HERTZ

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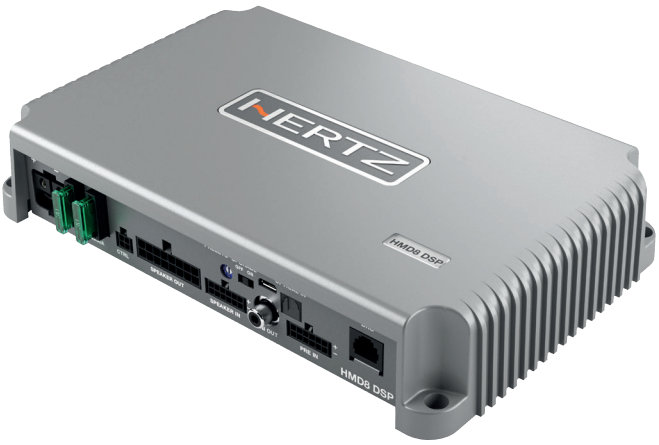
POWER FOR THE WAVES
PURE MARINE CERTIFIED PRODUCT

# 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 ALIGMENT
- GRAPHIC PARAMETRIC EQ

## KEY FEATURES

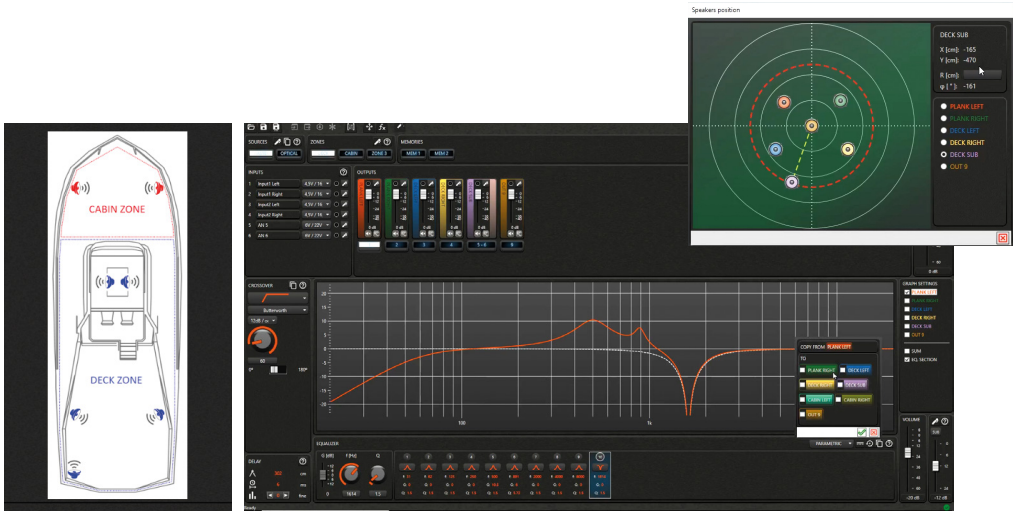
- DIGITAL OPTICAL IN
- PC SOFTWARE
- 6 PRE INPUT
- 9 CH DSP 8 CH POWER AMP
- HI POWER 2 OHM STABLE
- CORROSION RESISTANT
- WATER JET RESISTANT
- SALT FOG PROOF

## 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.




Technology Art Sound Manufactured by elettromedia Italy

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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<br>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)<br>Linkwitz-Riley (12, 24, 36, 48, 60 dB/oct)<br>Bessel (6, 12, 18, 24, 30, 36, 42, 48, 54, 60 dB/oct)<br>Chebyshev (6, 12, 18, 24, 30, 36, 42, 48, 54, 60 dB/oct)<br>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<br>n. 10 parametric poles (Peaking, High Shelf, Low Shelf, Notch, All pass) ±12 dB gain, variable Q (0.5 – 16.0)<br>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<br>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** | 1.7mA |
| **Consumption @ 14.4 VDC, 2Ω, Max Musical Power** | 55 A |
| **Remote IN** | 6 ÷ 15 VDC (1 mA) |
| **Remote OUT** | 4 ÷ 15 VDC (150 mA) |
| **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 49,5 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) |