

POWER FOR THE WAVES
THE PURE MARINE CERTIFIED PRODUCT

HMD8 DSP 24V

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 |
|----------------------|-------------------------|----------------------|--------------------|---------------------------|

KEY FEATURES

| | | | |
|--------------------|-------------|-------------|----------------------------|
| DIGITAL OPTICAL IN | PC SOFTWARE | 6 PRE INPUT | 9 CH DSP 8 CH POWER AMP |
|--------------------|-------------|-------------|----------------------------|

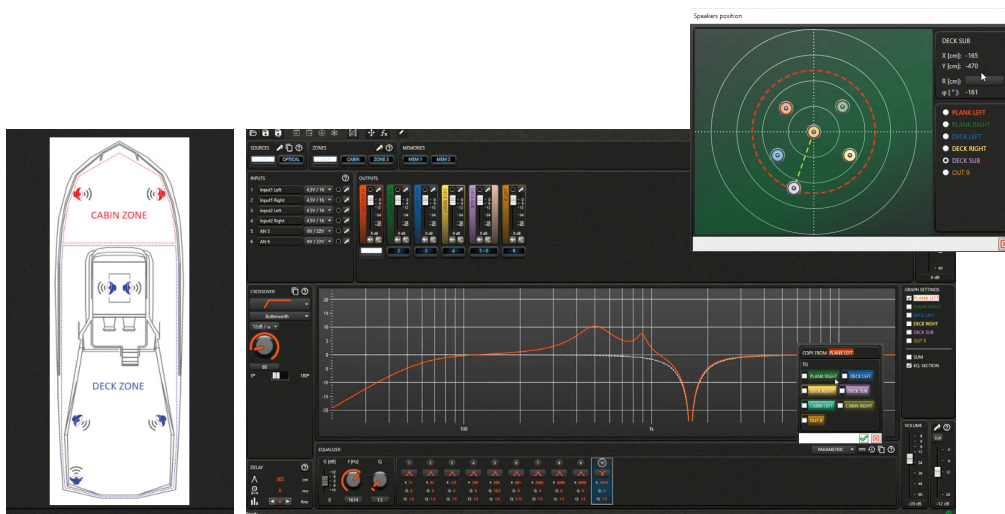
| | | | |
|------------------------------|-------------------------|-------------------------|--------------------|
| HI POWER 2 OHM STABLE | CORROSION RESISTANT | WATER JET RESISTANT | SALT FOG PROOF |
|------------------------------|-------------------------|-------------------------|--------------------|

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.



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) @28.8 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 | 22 ÷ 34 VDC / 2 x 15A |
| Operating power supply voltage | 14V ÷ 36V |
| Idling current | 0.96 A |
| Switched off without DRC | 1.6mA |
| Switched off with DRC | 5 mA |
| Consumption @ 14.4 VDC, 2Ω, Max Musical Power | 27.5 A |
| Remote IN | 6 ÷ 34 V |
| Remote OUT | 14 ÷ 34 VDC |
| 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 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) |