THE SOUNDTRACK OF YOUR ADVENTURES

HERTZ MARINE HIGH-PERFORMANCE CONTROL UNITS, SPEAKERS AND AMPLIFIERS ARE DESIGNED TO OPERATE IN THE MARINE ENVIRONMENT, THRILLING YOU WITH THE EMOTIONS OF MUSIC WHILE ENJOYING BOATING

Since 1998, Hertz has developed in Italy world-class speakers, amplifiers and DSP for the 12 V industry, focused on reaching the best performance in the real environment of application. Passion for audio entertainment is the essential driving force leading the Hertz engineers to win the never-ending challenge of innovation using the most advanced technologies, always.

Hertz products, highly regarded in over 60 countries worldwide, received several awards from EISA and other leader organizations for its outstanding track record of unique products.

To support its fans and sea lovers, in 2014 Hertz launched the Marine program, bringing the “Hertz Sound Experience” to open water.

HERTZ PRODUCTS DESIGN ORIGINATES FROM THE UNIQUE ITALIAN MARINE LIFE-STYLE

The Conero Riviera, Marche, Italy - just 10 miles away from Hertz Headquarters
marine
MARINE GRADE SOURCE UNITS
Engineered to maximize fun on board with an exclusive design, Hertz Marine control units are the ultimate solution for high fidelity on open water, thanks to extended connectivity and user-friendly Marine functions.

PREMIUM CLASS TOWERS
Developed to deliver emotions during water sports sessions, Hertz Marine Towers will light up your parties overwhelming you with a detailed high-output sound and an exclusive color lighting experience, making your special events unique.

HIGH-PERFORMANCE SPEAKERS
Hertz Marine speakers will thrill you with unlimited emotions, preserving their astonishing performance season after season. The ultra-complete range features a wide array of grilles, colors and sizes, to satisfy every installation need. Last but not least, Hertz Marine subwoofers will complete the low-end reproduction with outstanding output enhancing your cruising experience.

HIGH-POWER AMPLIFIERS
Hertz Marine amplifiers are made to withstand the hard life on board, delivering premium audio quality even with the most demanding installation, thanks to built-in DSP and the unmatched power-to-size ratio.

MAKE EVERY CRUISE MEMORABLE WITH HERTZ MARINE
HERTZ MARINE PRODUCTS ARE READY TO SAIL AND DESIGNED TO LAST, BEING ENGINEERED BY A DEDICATED R&D TEAM USING IN-HOUSE DEVELOPED SOFTWARES AND ENDURANCE TESTED TO FACE THE HARDEST CONDITIONS THAT CAN BE FOUND IN OPEN WATER.
WATER JET RESISTANT
The protection grade IP64 for amplifiers, IP65 for speakers and IP66 for source units define all the Hertz Pure Marine Certified products as totally protected against water jets of different entities, making them highly performant in the marine environment.

DUST INTRUSION RESISTANT
Dust intrusion is an important factor to handle in order to preserve the unique level of performance ensured by our Marine products for a long time. This is why they are totally protected against the intrusion of solid parts.

UV RESISTANT
According to the severe ASTM-D4329 standards for UV resistance, all the materials used for Hertz Marine products are designed to face long time exposition to UV radiations while cruising on the open sea.

THERMAL SHOCK RESISTANT
High quality ASA plastic and Polypropylene cones with co-molded Santoprene surround guarantee resistance to a wide range of temperatures.

VIBRATION PROOF
“You can’t cross the sea merely by standing and staring at the water” – Rabindranath Tagore. This is why we stress our Marine products with severe vibration tests to simulate the worst offshore conditions, always ensuring full operability.

HUMIDITY RESISTANT
High humidity is the default condition that marine electronics and speakers have to face 99% of the time. To prevent any mechanical end electronical failure, Hertz Pure Marine Certified products are subjected to severe stress tests to take them to the limit.

SALT FOG PROOF
To satisfy the standards required by ASTM-B117, Hertz Marine products are tested with massive salt fog spray to ensure a complete resistance to corrosion, typical of this atmospheric agent.

STAINLESS HARDWARE
Stainless hardware is unbeatable against rust and corrosion, preserving Hertz Marine speakers and electronics from degradation over time due to exposure to nature.

CORROSION RESISTANT
Electronics components corrosion caused by exposure in wet environments is totally neutralized by the use of dedicated marine-grade (epoxy coated) PCB boards.
HMR 50
DIGITAL MEDIA RECEIVER

ENGINEERED TO MAXIMIZE FUN ON-BOARD
HMR 50 IS THE ULTIMATE SOLUTION FOR OPEN WATER ENTERTAINMENT

PURE MARINE DESIGN
HMR 50 features IP66 protection grade, ASTM-D4329 standards for UV resistance and ASTM-B117 for salt fog operability, giving you unstoppeleasure season after season.

KEY FEATURES
- The large 3.5” full color TFT IPS display remains visible even during daytime navigation and the big buttons make it easy operating while cruising.
- Just push the dedicated button to play your source at the same volume in the whole vessel, transforming your boat into a dance floor.
- Voltage indicator to check-up battery status
- HMR 50 features 3 pairs of stereo outputs providing the ability to create 3 independently controlled listening areas (FLYBRIDGE, AFT DECK, CABIN) to obtain the perfect sound everywhere.
- Multicolor backlight for a perfect match with cockpit lighting.
- The powerful 8 band digital equalizer will support you finding the best sound.
HMC U1 OPTIONAL REMOTE CONTROL
Play your favorite song and pump-up the volume while swimming in open water. Thanks to IPX7 certification you can install HMC U1 remote control freely anywhere on the boat, adding fun to every cruise.

HMC D1 OPTIONAL REMOTE CONTROL
HMC D1 allows to replicate every function of the main unit in every place of the boat you desire, maximizing the onboard comfort.

UNPARELLED PERFORMANCE WITH ANY SOURCE
HMR 50 advanced connectivity includes SiriusXM-Ready™, Bluetooth APTX (CD Audio quality), USB 2.0 port (iPad/iPhone control) a to convert your deck in a real multimedia environment. The FM (RDS for EU)/AM PLL radio with Marine Weather Band completes the standard equipment.
POWER FOR THE WAVES
PURE MARINE CERTIFIED PRODUCT

SOURCE UNITS

200W MOFSET POWER
50 W X 4

HMR 20 DIGITAL MEDIA RECEIVER

DESIGNED TO WITHSTAND THE MOST EXTREME MARINE CONDITIONS, HMR 20 WILL BECOME YOUR TRUSTED FRIEND ON EVERY CRUISE

KEY FEATURES

The large 3" full color TFT IPS display remains visible even during daytime navigation and the big buttons make it easy operating while cruising.

Multicolor backlight for a perfect match with cockpit lighting.

Customize the sound with 5 EQ preset created by Hertz audio engineer.

HMR 20 features 2 pairs of stereo outputs providing the ability to create 2 independently controlled listening areas.

Voltage indicator to check-up battery status

CONNECTIVITY

HMR 20 turn every cruise into an exciting adventure bringing the music of your favorite artist to open water. The powerful (RDS)/AM PLL radio and the extended connectivity powered by DAB+ Ready, Bluetooth audio streaming and USB 2.0 port will liven up your trip with tons of musical contents.

HMC U1 OPTIONAL REMOTE CONTROL

PURE MARINE DESIGN

USB 2.0 AUX-IN AM/FM RADIO SUBWOOFER OUT DAB+ READY 5.0 Bluetooth

IP66 RESISTANT UV RESISTANT WATER RESISTANT SALT FOG RESISTANT RUST RESISTANT
The new Hertz source features a minimalist square-shaped design, perfectly in line with the latest trends in the most prestigious navigation instruments. The centrepiece is the generous display with the large marine-grade pushbutton panel symmetrically distributed in the lower and upper part. Thanks to Bluetooth® 5.0 you can stream high quality audio from your favorite mobile device, maximizing open water fun! D option provides additional DAB+ compatibility to listen to your favorite radio stations with unmatched audio performance.
HMR 10 D - HMR 10
DIGITAL MEDIA RECEIVER

PERFECT SOUND ONBOARD WITH A GAUGE-STYLE INSTALLATION

With two pairs of high quality stereo outputs, a screen readable at all times and a generous marine-grade control panel, it will be a breeze to control your favorite playlist on USB or Bluetooth® streaming for maximum fun in water. D option provides additional DAB+ compatibility to listen to your favorite radio stations with unmatched audio quality.

KEY FEATURES

- Customize the sound with 3 EQ preset created by Hertz audio engineer.

CONNECTIVITY

- USB 2.0
- AUX-IN
- AM/FM RADIO
- DAB+
- Bluetooth

PURE MARINE DESIGN

- IP66 RESISTANT
- UV RESISTANT
- WATERPROOF
- SALT RESISTANT
- DUST RESISTANT

HMC U1 OPTIONAL REMOTE CONTROL
Thanks to IP67 water resistance rating, the HMR BT Bluetooth® audio controller/receiver is ideal for small boat and powersports applications. When connected directly to an amplifier, it can be used as a stand-alone source unit/receiver or it can provide Bluetooth® connectivity to any source unit with line-level inputs. The white LED backlit push-button controls are always well visible at any hour of the day. Ready to have some serious fun with the HMR BT Bluetooth® Audio Controller/Receiver?

HMR BT
MARINE BLUETOOTH® CONTROLLER / RECEIVER

KEY FEATURES / CONNECTIVITY

HMR BT features Bluetooth® v5.0 and Qualcomm® aptX™ audio codec, assuring hi-performance wireless audio with a connection range of up to 35 ft. (10 m), allowing your smartphone to be kept safely away from water.

PURE MARINE DESIGN

* The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Hertz audio is under license.
* Qualcomm aptX is a product of Qualcomm Technologies, Inc. and/or its subsidiaries. Qualcomm is a trademark of Qualcomm Incorporated, registered in the United States and other countries. aptX is a trademark of Qualcomm Technologies International, Ltd., registered in the United States and other countries. Use of such marks by Hertz audio is under license.
FEEL THE MAGIC OF A CONCERT HALL ANYWHERE ON THE BOAT
Hertz Marine DSP technology provides the ability to obtain 100% acoustic performance from each individual speaker, to achieve perfect sound in every area of the boat.

Even when the speakers are not installed in an optimal position, thanks to the power of digital sound processing, an exciting virtual stage and a balanced response is obtained.

WITH HERTZ DSP THE WORLD OF MARINE AUDIO IS NO LONGER THE SAME!

Hertz Marine DSP optimizes acoustic performance for each of the 3 configurable listening zones, regardless of the speakers location and the passenger position, maximizing the listening experience.

Each speaker in the system can be fine-tuned with an equalization, a crossover filter and time delays to exploit its maximum potential.

Hertz DSP software allows the user to create pre-optimized setup files for a specific boat model and the related audio system installed, ensuring a correct acoustic result in a very short time.

“Power for the Waves” design philosophy features a sturdy enclosure made of extruded aluminum with an anti-corrosion treated PCB to ensure years of listening pleasure in open water.
S8 DSP
8 CH HI RES DIGITAL SIGNAL PROCESSOR

S8 DSP is the stand-alone Hertz processor dedicated to enthusiasts who want to create an uncompromising on-board audio system. The possibilities of combinations with Hertz Marine amplifiers are endless, offering the ability to create very powerful systems. For example, we can connect to each of the 4 stereo outputs of the S8 DSP a bridged HCP M4DK amplifier, obtaining 520 W RMS (4Ω) for each of the 8 channels of the S8 DSP or dedicate two mono HCP M1DK 2480 RMS (2Ω) to four 12 in. subwoofers!

Its compact and elegant frame in metal and composite materials contains a concentrate of technology at the service of maximum audio performance. Thanks to the latest generation processor, which processes the audio signal with 96 kHz / 24 bit resolution, the S8 DSP has obtained the Hi-Res certification from JAS (Japan Audio Society), a recognition that testifies to the extreme level of audio performance achieved.

The powerful integrated Bluetooth® 5.0 receiver provides the ability to configure the S8 DSP wirelessly with all types of devices such as tablets, smartphones and PCs. It is possible to save up to 4 presets to always have the ideal setup for each listening condition stored in memory.
An Android and Apple IOS App controller was developed by the Hertz R&D team to control the main functions of the DSP (Volume Master, Volume Sub) comfortably from your smartphone, without the need to use any remote controller wire.

The equipment is completed by an SPDIF digital coaxial input to drive the DSP with a Hi-Res player in digital, obtaining absolute audio performance.
The HMD8 DSP, powered by Hertz Marine DSP technology, reach new heights of listening pleasure. DSP user-friendly PC-Software interface makes the setup process a breeze, exploiting every single pill 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.

130W x 8Ch
D-CLASS NOMINAL POWER

HMD8 DSP
8 Ch MARINE AMPLIFIER WITH DSP

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.

Hertz Marine DSP Technology

Key Features

- Hi Power
- 2 Dim. Stable
- Digital Optical In
- PC Software
- 6 Pre Input
- 9 Ch DSP
- 8 Ch Power Amp

Corrosion Resistant
Water Jet Resistant
Salt Fog Proof
Hertz Navigator software allow to create pre-optimized software setup files for a specific boat model and the related audio system installed, ensuring a correct acoustic result in a very short time.

HMD1 mono amplifier is the perfect solution to add one or more marine subwoofer to your vessel, being the ideal power extension of HMD8 DSP. At 1 Ohm it is stable and can supply up to 800 W of power with extremely compact dimension.

12/24V VERSION AVAILABLE

Hertz advanced D-CLASS output stage ensures pure listening pleasure while keeping a compact size with unmatched power efficiency.
HMX coaxials are engineered to operate in open water, pleasing you with the incomparable emotions of music for years on end: the specific ASA plastic grilles and polypropylene cone with co-molded Santoprene surround provide UV resistance according to the severe ASTM-D4329 standards. The Aramid fiber spider with silicone-insulated lead wire ensures durability and constant performance over time. Parts and assembly methods are designed to meet high-humidity marine environments (ASTM-B117 & IP65), ensuring the best audio performance season after season.

In order to always find the perfect match for each project, we have expanded the range of customization of HMX speakers with the new tone-on-tone paint option for the elegant stainless steel mesh grille.

HMX coaxials are all available with RGB LEDs option (LD) featuring a lighting circuit integrated under the grille, protected by a Polypropylene transparent cover acting as light diffuser. Using the optional HM RGB 1 BK remote control you can change the LED color to suit your mood or craft, boosting your party to a different level!

HM RGB 1 BK is composed by an RGB CONTROLLER specifically developed for LEDs option models including a radio frequency remote control with a wide array of functionalities ranging from the selection of the color better matching your boat/ATV/motorcycle to the creation of a lighting game reacting to music tempo.
HMX 6.5-TW
6.5” Marine Coax Total White

HMX 6.5-LD-TW
Rgb Leds 6.5” Marine Coax Total White

HMX 8-TW
8” Marine Coax Total White

HMX 8-LD-TW
Rgb Leds 8” Marine Coax Total White

HMX 6.5-TC
6.5” Marine Coax Total Black

HMX 6.5-LD-TC
Rgb Leds 6.5” Marine Coax Total Black

HMX 8-TC
8” Marine Coax Total Black

HMX 8-LD-TC
Rgb Leds 8” Marine Coax Total Black

- Hertz Pure Marine Certified Product stamp featuring the IP65 protection grade, ASTM-D4329 standards for UV resistance and ASTM-B117 for salt fog operability.
- 1.4” Neodymium magnet tweeter featuring a PEI material dome combined with faceplate and acoustic lens optimized for best off-axis dispersion and highest SPL.
- Sound-transparent stainless-steel tweeter mesh grille providing efficient high frequency transfer, eye catching look and a rock-solid protection.
- Long-throw 25mm (1”) voice coil woofer fine-tuned for infinite baffle applications.
- Sealed built-in crossover with resettable solid-state tweeter protection circuit.
- Gold-plated corrosion resistant terminals.
HIGH-PERFORMANCE SPEAKERS

HMX 6.5
6.5” Marine Coax White
HMX 6.5-LD
Rgb Leds 6.5” Marine Coax White

150W POWER HANDLING

HMX 6.5-C
6.5” Marine Coax Black
HMX 6.5-LD-C
Rgb Leds 6.5” Marine Coax Black

HMX 8
8” Marine Coax White
HMX 8-LD
Rgb Leds 8” Marine Coax White

200W POWER HANDLING

HMX 8-C
8” Marine Coax Black
HMX 8-LD-C
Rgb Leds 8” Marine Coax Black

200W POWER HANDLING
The new sport grille with an aggressive look is the perfect match for more sporty boats.

HMX SPORT

RGB MULTICOLOR

HMX 8 S-LD-G
Rgb Leds 8” Marine Coax Sport

200W Power Handling

HMX 6.5 S-LD-G
Rgb Leds 6.5” Marine Coax Sport

150W Power Handling

IP65 UV-resistant Water jet-resistant Salt fog-proof
Are you ready to enjoy your favorite track at high output level during your daily water ski session? Hertz Marine Towers, available with Clamp & Flat mounting options, developed for installations where compactness is required, will make your sport and leisure outings unforgettable, thanks to impressive audio performance and cool color lighting. Hertz Marine Tower are equipped with dedicated 8” coaxial speaker featuring a long-throw 32 mm (1.26”) voice coil woofer with polypropylene cone injected with UV inhibitors and 1.4” Neodymium magnet tweeter, ensuring impressive audio performance.

Enclosure and grilles are made of High-Impact & UV-resistant ASA polymer for the best durability under severe environmental conditions.

The solid 316-Stainless steel clamp mounting is ideal for Round or Square profile pipe applications where sound needs to be easily oriented and quickly released. This is possible thanks to Q-OS² (Quick Orientation & Release for Sound & Safety) patent pending technology.
**Q-OS² QUICK RELEASE TECHNOLOGY**

- Quick Mechanical/Electrical release for security/anti-theft and cleaning;
- Multi-pole high current connection self-contained into the clamp structure;
- Clamp structure includes rubber inserts for vibrations damping and fits both round roll-bar [38 mm, 76 mm (1-1/2” to 3”)] and square roll-bar or roof mounting by detaching clamp basement upper part. Optional fitting accessories available for major OEM brands.

**Q-OS² QUICK ORIENTATION TECHNOLOGY**

This innovative design encompasses all the requirements for tower clamping such as:

- Durability thanks to the solid 316 Stainless Steel construction;
- Tower can be quickly oriented within 18 steps (20° each) along horizontal axis for best sound projection and diffusion over the listening area;

**ADJUSTABLE LOGO**

“Adjustable logo” allows for several tower positioning without affecting the correct Hertz logo orientation. Front and rear logo can be oriented within 64 steps.
The optional rear Hertz led logo creates the same sophisticated atmosphere of front led, adding tons of class to your vessel.

HTX RGB W LOGO.1
Optional Rgb Led Lighting Rear Logo White

HTX RGB C LOGO.1
Optional Rgb Led Lighting Rear Logo Black

HM RGB 1 BK
Optional Rgb Remote Control
PREMIUM CLASS TOWERS

HTX SPORT

Are you ready to enjoy your favorite track at high output level during your daily water ski session? Hertz Marine Towers, available with Clamp & Flat mounting options, developed for installations where compactness is required, will make your sport and leisure outings unforgettable, thanks to impressive audio performance and cool color lighting.

THE NEW SPORT GRILLE OPTION IS THE RIGHT CHOICE TO IMPRESS YOUR FRIENDS WITH A DISTINCTIVE LOOK!

Hertz Marine Towers are equipped with a dedicated 8” coaxial speaker featuring a 32 mm (1.26”) long-throw voice coil woofer with polypropylene cone injected with UV inhibitors and 1.4” Neodymium magnet tweeter, ensuring outstanding audio performance.

200W POWER HANDLING

HTX 8 S-CL-G
Marine Tower Coax 8” Clamp Black

HTX 8 S-FL-G
Marine Tower Coax 8” Flat Black
Thanks to the combination of the open-sight cone and RGB LED option of the ACTION STYLE grille option, it will be easy to create an impressive atmosphere for your boat party, ensuring an unforgettable time for your guests.
HEX

PREMIUM QUALITY AND COOL STYLING, THIS IS HEX LINE

Available with 3 option grilles, SPORT, MARINE and CLASSIC, HEX coaxial always provide the perfect style for your boat, giving you years of pure fun while cruising, being over engineered and tested for Marine applications.

The compact 6.5" speaker, with a depth of only 2.36 in. delivers a detailed and dynamic sound, making every outing memorable.
PAINTABLE SPORT GRILLE
HEX sport grille can be easily removed to be painted with a custom color perfect for your boat.

This picture shows some examples of custom color combinations.

LED LIGHTING
The built-in leds create a unique feeling on board to give the right atmosphere to your venues.

HM RGB 1 BK
Optional Rgb Remote Control
• Hertz Pure Marine Certified Product stamp featuring the IP65 protection grade, ASTM-D4329 standards for UV resistance and ASTM-B117 for salt fog operability.
• Edgeless mesh grille with magnetic locking system designed to disappear from view.
• Sealed crossover filter made by marine-grade coded PCB to prevent corrosion against salt fog.
• Dedicated crossover designed to optimize sound emission for in-wall install.
• High efficiency tweeter designed with FEM simulation to maximize sound projection for in-wall and in-ceiling installation.
• Woofer with 25 mm (1") voice coil and 6 Ω impedance, optimized for any amplifiers system.
• Silicone insulated lead wires for extended durability in outdoor application.
• Fast and easy installation thanks to the robust hooking system.
Hertz marine In-Ceiling speaker is designed to deliver thrilling sound with a near stealth installation. Engineered to be incredibly durable, they are fine-tuned for in-wall positioning providing top audio performance from very discreet designs. This includes an advanced crossover built with marine conformal coated PCB encapsulated in a sealed enclosure to prevent corrosion.

- Hertz Pure Marine Certified Product stamp featuring the IP65 protection grade, ASTM-D4329 standards for UV resistance and ASTM-B117 for salt fog operability.
- Edgeless mesh grille with magnetic locking system designed to disappear from view.
- Sealed crossover filter made by marine-grade coded PCB to prevent corrosion against salt fog.
- Dedicated crossover designed to optimize sound emission for in-wall install.
- High efficiency tweeter designed with FEM simulation to maximize sound projection for in-wall and in-ceiling installation.
- Woofer with 25 mm (1”) voice coil and 6 Ω impedance, optimized for any amplifiers system.
- Silicone insulated lead wires for extended durability in outdoor application.
- Fast and easy installation thanks to the robust hooking system.
HIGH-PERFORMANCE SUBWOOFERS

Available with sport or marine grille option, HMS subwoofers are designed to be installed without the need for a dedicated enclosure delivering powerful and precise bass in any vessel.

Sport grille, featuring built-in leds, can be easily removed to be painted with the perfect color for your vessel.

The motor and suspension design are optimized for high-power, infinite-baffle operation featuring long linear excursion capability for tremendous output with low-distortion.

Hertz Marine subwoofers not only add tons of bass output to your system but also relieve the main speakers from the hard work of reproducing the lowest frequency range, maximizing the overall system performance, for unlimited sound pressure and emotion!
HIGH-PERFORMANCE SUBWOOFERS

- Hertz Pure Marine Certified Product stamp featuring the IP65 protection grade, ASTM-D4329 standards for UV resistance and ASTM-B117 for salt fog operability.
- Long-throw 50 mm (2”) voice coil woofer engineered for infinite baffle application featuring polypropylene cone injected with UV inhibitors and co-molded Santoprene surround.
- Progressive-design aramid fiber spider with silicone-insulated lead wires ensuring durability and constant performance over time.
- High-exursion mobile equipment driven by a massive magnetic group encapsulated into a marine-grade polymer injected basket.
- Gold-plated corrosion resistant brass connection terminals with silicone cap protecting lead wire junction point.

- **HMS 10 B**
  - 10” Marine Subwoofer White
  - **500W POWER HANDLING**

- **HMS 10 B-2**
  - 10” Marine Subwoofer White

- **HMS 12 B4-LD-W**
  - 12” Marine Subwoofer White
  - **1000W POWER HANDLING**

- **HMS 12 B2-LD-W**
  - 12” Marine Subwoofer White

- **HMS 10 B-C**
  - 10” Marine Subwoofer Black
  - **500W POWER HANDLING**

- **HMS 10 B-C2**
  - 10” Marine Subwoofer Black

- **HMS 12 B4-LD-C**
  - 12” Marine Subwoofer Black
  - **1000W POWER HANDLING**

- **HMS 12 B2-LD-C**
  - 12” Marine Subwoofer Black
HMS SPORT

MAKE YOUR BOAT LOOK DYNAMIC WITH THE NEW SPORT GRILLE OPTION FOR HERTZ MARINE TOWERS.

HMS 10 S-LD-G
10" Marine Subwoofer
HMS 10 S2-LD-G
2 Ω 10" Marine Subwoofer

500W
POWER HANDLING

HMS 12 S4-LD-G
12" Marine Subwoofer
HMS 12 S2-LD-G
2 Ω 12" Marine Subwoofer

1000W
POWER HANDLING

IP65
UV RESISTANT
WATER JET RESISTANT
SALT FOG PROOF
HCP 4MDK

With a compact design featuring conformal coated PCB, Hertz HCP Marine series are ready to face the open water environment, providing tons of clean power.

Thanks to latest generation D-Class 2Ω stable output stage, HCP 4MDK marine amplifiers ensure very high power with an excellent S/N ratio. HCP 4MDK, four channels amplifier features Lo-Pass and Hi-Pass 12 dB adjustable (50 Hz to 3200 Hz) filters, providing the ability to build a two-zone stereo or a single zone stereo system with subwoofer.

HCP 1MDK marine mono amplifier has been designed to drive the most demanding Subwoofer system with multiple drivers, featuring Hi-Pass pre-amplified outputs, to create mid-woofer band pass. Subwoofer volume can be remote controlled with extreme preciseness using the optional HRC (Hertz Remote Control).

HRC
Hertz Remote Control
Optional for HCP 1MDK
HCP Marine heat sink has been crafted from extruded aluminum, a material unmatched for lightness, robustness and heat dissipation. To keep size to a minimum, the power transistors are placed between the PCB and the top side of the heat sink where heat is gathered. Built up heat is then directed to the special dissipation “wings” along the side of the amplifier. The complete crossover filters with variable frequency and the bridge operation mode improve application versatility for the design of ultimate active systems in your vessel.

- Hertz Pure Marine Certified Product stamp featuring the IP64 protection grade, ASTM-D4329 standards for UV resistance and ASTM-B117 for salt fog operability.
- Compact design built from extruded aluminum heatsink with top side ensuring effective heat transfer.
- Power supply featuring multiple winding transformer, Low-ESR 105°C capacitors, 2 Ω stable output stage.
- Complete crossover filters providing a greater application versatility for the design of active systems.
- Bridge operation mode to drive a subwoofer or to create a powerful dual-mono 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 to be compatible with any source.
- Short-circuit and thermal protections with auto resetting.

HCP 5 MD
Five Channels Marine Amplifier
HCP 5 MD 24V
24V Five Channels Marine Amplifier

HCP M

1500W
D-CLASS MAX POWER

HCP 2MX
Two Channels Marine Amplifier

800W
AB-CLASS MAX POWER

HCP 4M
Four Channels Marine Amplifier

760W
AB-CLASS MAX POWER

HRC
Hertz Remote Control
Optional for HCP 5MD / HCP 5MD 24V
The compact HMP amplifiers with a cast-aluminium IP66 chassis, are the ideal choice for adding multi-zone audio to your boat. Class-D technology maximizes efficiency ensuring an incredible power to size ratio and low battery drain. The complete integrated crossover and the bridge operation mode improve versatility to satisfy every installation need.

- Hertz Pure Marine Certified Product stamp featuring the IP66 protection grade, ASTM-D4329 standards for UV resistance and ASTM-B117 for salt fog operability.
- HRC BM (Hertz Remote Control Bass Management) included.
- Bass Boost adjustable via selector, for more punch from speakers.
- Complete crossover filters allowing for easy setup and system flexibility.
- Hi-Level and lo-level inputs to be compatible with any source.
- Special balanced input circuitry to reject electro-magnetic disturbances.
- Short-circuit and thermal protections with auto resetting.

HMP 4D
Four Channels Marine Amplifier

HMP 1D
Mono Marine Amplifier
HM CAM W01
WI-FI CAMERA

HM CAM w01 super compact Wi-Fi backup rear camera is the ideal choice for installation on your boats. Thanks to the IP67 certification the camera is ready to face the open water. HM CAM features high definition recording up to 720p at 30 fps with an ultra-wide shooting angle of 120° Horizontal and 90° Vertical. The advanced Wi-Fi control app is available for iOS and Android.

- Super compact Wi-Fi backup rear camera ideal for installation on cars, boats, trucks and campers
- Total impermeability thanks to the IP67 certification
- High definition recording up to 720p at 30 fps
- Ultra-wide shooting angle of 120° Horizontal and 90° Vertical
- Switchable parking lines display
- Night vision mode
- Wi-Fi control app available for iOS and Android

DOWNLOAD HERTZ APP

Hertz website

APP CONTROL

IP67
UV RESISTANT
WATER JET RESISTANT
SALT FOG PROOF
DUST INTRUDENCE RESISTANT
### Hertz Marine Accessories

#### HMC D1 Remote Control
HMCD1 provides the ability to replicate every function of the HMR 50 main unit, creating up to 3 independently controlled listening areas.
Optional for HMR 50

#### HMC U1 Remote Control
Play your favorite song and pump-up the volume while swimming in open water. Thanks to IPX7 certification you can install HMC U1 remote control anywhere on the boat.
Optional for HMR 50, HMR 20, HMR 10 D, HMR 10, HMR 15, HMR 15 D

#### HMC RGB 1 BK Wireless RGB Remote Control
HM RGB 1 BK includes an RGB CONTROLLER specifically developed for LEDs option models and a radio frequency remote control with a wide array of functionalities ranging from color selection to the tempo lighting games activation.
Optional for speakers with RGB leds option (LD)

#### HMB DAB+
This module adds DAB+ DIGITAL RADIO capability to Hertz Marine Source. Provided with dedicated antenna.
Optional for HMR 50, HMR 20

#### HMA DAB ANT
Active 12V glass mount
Optional for HMB DAB+

#### HMA FM Antenna
Dipole hideaway cable
Optional for HMR 50, HMR 20, HMR 15, HMR 15 D, HMR 10, HMR 10 D

#### HMA USB AUX IN
Extension cable water proof 2 mt.
Optional for HMR 50, HMR 20, HMR 10 D, HMR 10, HMR 15, HMR 15 D

#### HMA C3.5Y
3.5 jack y cable.
Optional for HMR 50, HMR 20, HMR 10 D, HMR 10, HMR 15, HMR 15 D

#### HMA C3.5
3.5 jack extension cable 10 mt.
Optional for HMR 50, HMR 20, HMR 10 D, HMR 10, HMR 15, HMR 15 D

#### HMA C1306
13 pin remote controller extension cable 6 mt.
Optional for HMR 50

#### HMA C13Y
13 pin y cable.
Optional for HMR 50
# TECHNICAL SPECIFICATIONS

## MARINE GRADE SOURCE UNITS

<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
<th>HMR 50</th>
<th>HMR 20</th>
<th>HMR 15 - HMR 15 D</th>
<th>HMR 10 - HMR 10 D</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DISPLAY</strong></td>
<td>3.5” COLOR TFT IPS</td>
<td>3” COLOR TFT IPS</td>
<td>2.8” DOT Matrix display</td>
<td>2.8” DOT Matrix display</td>
</tr>
<tr>
<td><strong>PEAK POWER @ 4 Ω</strong></td>
<td>4 x 50 W</td>
<td>4 x 50 W</td>
<td>4 x 50 W</td>
<td>4 x 50 W</td>
</tr>
<tr>
<td><strong>MULTI-ZONE</strong></td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td><strong>SUBWOOFER OUT (RCA)</strong></td>
<td>3x LiR (one per zone)</td>
<td>2x LiR (one per zone)</td>
<td>2x LiR (Front and Rear)</td>
<td>2x LiR (Front and Rear)</td>
</tr>
<tr>
<td><strong>LINE OUT (RCA)</strong></td>
<td>1x LiR (L.PF: 80, 120, 160 Hz)</td>
<td>1x LiR (L.PF: 80, 120, 160 Hz)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>AUX INPUT (RCA)</strong></td>
<td>1x LiR</td>
<td>1x LiR</td>
<td>1x LiR</td>
<td>1x LiR</td>
</tr>
<tr>
<td><strong>MULTI-ZONE</strong></td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td><strong>USB</strong></td>
<td>Yes (2A)</td>
<td>Yes (2A)</td>
<td>Yes (1A)</td>
<td>Yes (1A)</td>
</tr>
<tr>
<td><strong>CAMERA IN</strong></td>
<td>Yes</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>BLUETOOTH</strong></td>
<td>5.0</td>
<td>5.0</td>
<td>5.0</td>
<td>3.1</td>
</tr>
<tr>
<td><strong>REMOTE CONTROL</strong></td>
<td>HMC D1 (up to 3)</td>
<td>HMC U1 (up to 3)</td>
<td>HMC U1 (up to 3)</td>
<td>HMC U1 (up to 3)</td>
</tr>
<tr>
<td><strong>SIZE &amp; MOUNTING</strong></td>
<td>W 146 (5.748) x H 105 (4.134) x D 121 (4.763)</td>
<td>W 146 (5.748) x H 105 (4.134) x D 121 (4.763)</td>
<td>W 126 (4.960) x H 114 (4.488) x D 96.5 (3.799)</td>
<td>Ø 113 (4.45) D 96.5 (3.799)</td>
</tr>
<tr>
<td><strong>Unit Size mm (in.)</strong></td>
<td>W 122 (4.8) x H 52 (2.06)</td>
<td>W 122 (4.8) x H 52 (2.06)</td>
<td>Ø 89.5 (3.52)</td>
<td>Ø 89.5 (3.52)</td>
</tr>
<tr>
<td><strong>Mounting Hole size mm (in.)</strong></td>
<td>99 (3.89)</td>
<td>99 (3.89)</td>
<td>72 (2.83)</td>
<td>72 (2.83)</td>
</tr>
<tr>
<td><strong>Mounting Method</strong></td>
<td>Panel Mount (4 screws)</td>
<td>Panel Mount (4 screws)</td>
<td>Panel Mount (4 screws); U-Bracket</td>
<td>U-Bracket</td>
</tr>
</tbody>
</table>
### TECHNICAL SPECIFICATIONS

#### HIGH-PERFORMANCE SPEAKERS

##### HMX SERIES

<table>
<thead>
<tr>
<th>COAX specifications</th>
<th>HMX 6.5 (M-TC/M-TW/S)</th>
<th>HMX 8 (M-TW/TC/LD/S)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size</strong> mm (in.)</td>
<td>165 (6.5)</td>
<td>200 (8)</td>
</tr>
<tr>
<td><strong>Woofer</strong></td>
<td>36 (1.4)</td>
<td>36 (1.4)</td>
</tr>
<tr>
<td><strong>Mounting</strong></td>
<td>69 (2.72)</td>
<td>91 (3.58)</td>
</tr>
<tr>
<td><strong>Power Hand. W</strong></td>
<td>150</td>
<td>200</td>
</tr>
<tr>
<td><strong>Peak</strong></td>
<td>75</td>
<td>100</td>
</tr>
<tr>
<td><strong>Imp.Ω</strong></td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td><strong>Freq. Resp. Hz</strong></td>
<td>50 - 25 K</td>
<td>45 - 25 K</td>
</tr>
<tr>
<td><strong>Sens. db/SPL</strong></td>
<td>89</td>
<td>91</td>
</tr>
<tr>
<td><strong>Magnet WF/TW</strong></td>
<td>High density flux ferrite / Neodymium</td>
<td>High density flux ferrite / Neodymium</td>
</tr>
<tr>
<td><strong>Woofer Cone / Tweeter Dome</strong></td>
<td>Polypropylene / PEI</td>
<td>Polypropylene / PEI</td>
</tr>
</tbody>
</table>

##### HEX SERIES

<table>
<thead>
<tr>
<th>COAX specifications</th>
<th>HEX 6.5 (M-TC/M-TW/S)</th>
<th>HEX 6.5 (CL-W/IC-W)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size</strong> mm (in.)</td>
<td>165 (6.5)</td>
<td>165 (6.5)</td>
</tr>
<tr>
<td><strong>Woofer</strong></td>
<td>24 (0.9)</td>
<td>24 (0.9)</td>
</tr>
<tr>
<td><strong>Mounting</strong></td>
<td>61,7 (2.43)</td>
<td>61,5 (2.42)</td>
</tr>
<tr>
<td><strong>Power Hand. W</strong></td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td><strong>Peak</strong></td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td><strong>Imp.Ω</strong></td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td><strong>Freq. Resp. Hz</strong></td>
<td>50 - 23 K</td>
<td>50 - 23 K</td>
</tr>
<tr>
<td><strong>Sens. db/SPL</strong></td>
<td>88</td>
<td>88</td>
</tr>
<tr>
<td><strong>Magnet WF/TW</strong></td>
<td>High density flux ferrite / Neodymium</td>
<td>High density flux ferrite / Neodymium</td>
</tr>
<tr>
<td><strong>Woofer Cone / Tweeter Dome</strong></td>
<td>Polypropylene / PEI</td>
<td>Polypropylene / PEI</td>
</tr>
</tbody>
</table>

##### PREMIUM CLASS TOWER

##### HTX SERIES

<table>
<thead>
<tr>
<th>COAX specifications</th>
<th>HTX 8 M-CL (W/T/C/TW/TC/S)</th>
<th>HTX 8 M-FL (W/C/TW/TC/S)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size</strong> mm (in.)</td>
<td>200 (8)</td>
<td>200 (8)</td>
</tr>
<tr>
<td><strong>Woofer</strong></td>
<td>36 (1.4)</td>
<td>36 (1.4)</td>
</tr>
<tr>
<td><strong>Min. Mounting Height clamp/flat</strong></td>
<td>325 (12.8) / 237 (9.3)</td>
<td>325 (12.8) / 237 (9.3)</td>
</tr>
<tr>
<td><strong>Power Hand. W</strong></td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td><strong>Peak</strong></td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td><strong>Imp.Ω</strong></td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td><strong>Freq. Resp. Hz</strong></td>
<td>45 - 25 K</td>
<td>45 - 25 K</td>
</tr>
<tr>
<td><strong>Sens. db/SPL</strong></td>
<td>91</td>
<td>91</td>
</tr>
<tr>
<td><strong>Magnet WF/TW</strong></td>
<td>High density flux ferrite / Neodymium</td>
<td>High density flux ferrite / Neodymium</td>
</tr>
<tr>
<td><strong>Woofer Cone / Tweeter Dome</strong></td>
<td>Polypropylene with UV inhibitors / PEI</td>
<td>Polypropylene with UV inhibitors / PEI</td>
</tr>
</tbody>
</table>

##### MARINE SUBWOOFERS

##### HMS SERIES

<table>
<thead>
<tr>
<th>SUB specifications</th>
<th>HMS 10 B/B-C</th>
<th>HMS 10 S</th>
<th>HMS 12 B/B-C</th>
<th>HMS 12 S</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size</strong> mm (in.)</td>
<td>250 (10)</td>
<td>300 (12)</td>
<td>285 (11)</td>
<td>330 (13)</td>
</tr>
<tr>
<td><strong>Mounting</strong></td>
<td>145 (5.71)</td>
<td>145 (5.71)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Power Hand. W</strong></td>
<td>500</td>
<td>1000</td>
<td>1000</td>
<td>1000</td>
</tr>
<tr>
<td><strong>Peak</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Imp.Ω</strong></td>
<td>4 (2 B-2/82-C/52)</td>
<td>4 (2 B-2/82-C/52)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Sens. db/SPL</strong></td>
<td>89 (89.5 [C2]</td>
<td>89.5 [dB/2V/m.]</td>
<td>290 (89.5 [dB/2V/m.])</td>
<td>290 (89.5 [dB/2V/m.])</td>
</tr>
<tr>
<td><strong>Application</strong></td>
<td>Infinite baffle</td>
<td>Infinite baffle</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Magnet</strong></td>
<td>High density flux ferrite</td>
<td>High density flux ferrite</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Cone</strong></td>
<td>Polypropylene with UV inhibitors</td>
<td>Polypropylene with UV inhibitors</td>
<td>Polypropylene with UV inhibitors</td>
<td>Polypropylene with UV inhibitors</td>
</tr>
</tbody>
</table>
### TECHNICAL SPECIFICATIONS

**DIGITAL SIGNAL PROCESSOR**

#### S8 DSP

### POWER SUPPLY

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Voltage</td>
<td>6V - 17.0V (Start Stop Compliance until 5V)</td>
</tr>
<tr>
<td>Idling current</td>
<td>0.4A</td>
</tr>
<tr>
<td>Standby current (wired remote)</td>
<td>&lt;80μA</td>
</tr>
<tr>
<td>Standby current (DC remote)</td>
<td>&lt;80μA</td>
</tr>
<tr>
<td>Remote IN voltage</td>
<td>6V - 17V (1.2mA)</td>
</tr>
<tr>
<td>Remote OUT voltage</td>
<td>12V (130mA) (protected)</td>
</tr>
<tr>
<td>Speaker DC threshold</td>
<td>2 - 7 VDC</td>
</tr>
<tr>
<td>Fuse</td>
<td>On the cable (1A)</td>
</tr>
</tbody>
</table>

### INPUT STAGE

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analog Low level Inputs</td>
<td>6 ch. (Differential input) (Molex microfit to RCAs)</td>
</tr>
<tr>
<td>Analog High level Inputs</td>
<td>6 ch. (Differential input) (Molex microfit to tripped ends) + USS (Universal Speakers Simulator)</td>
</tr>
<tr>
<td>Digital Inputs</td>
<td>Yes (Coaxial SPDIF, up to 24bit 96kHz) (Molex microfit to RCA)</td>
</tr>
<tr>
<td>Input Sensitivity (Low Level)</td>
<td>0.8V - 6V RMS</td>
</tr>
<tr>
<td>Input Sensitivity (High Level)</td>
<td>2.5V - 21V RMS</td>
</tr>
<tr>
<td>Analog Inputs management</td>
<td>Audio input routing matrix type</td>
</tr>
<tr>
<td>Analog Inputs EQ</td>
<td>7 bands for each input channel</td>
</tr>
<tr>
<td>ART™</td>
<td>Automatic Remote Turn-On/Off with Speaker-In</td>
</tr>
</tbody>
</table>

### OUTPUT STAGE

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analog Outputs (RCA)</td>
<td>8 channels</td>
</tr>
<tr>
<td>Max Output Level (RMS) @ 0.05% THD</td>
<td>4V</td>
</tr>
<tr>
<td>Analog Outputs management</td>
<td>The DSP control each output channel: gain, crossover, EQ, delay, polarity</td>
</tr>
<tr>
<td>Bandwidth</td>
<td>10Hz - 40kHz (v/-3db)</td>
</tr>
<tr>
<td>Signal to Noise Ratio [A weighted]</td>
<td>105dBRA (Analog Input) 112dBRA (Digital Input)</td>
</tr>
<tr>
<td>THD+N (@ 1Vrms out, @ 1KHz)</td>
<td>&lt;0.005%</td>
</tr>
<tr>
<td>Crosstalk (channel separation) (@ 1KHz)</td>
<td>&gt;95dBRA</td>
</tr>
</tbody>
</table>

### DSP

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample rate</td>
<td>96KHz</td>
</tr>
<tr>
<td>Bit depth</td>
<td>24</td>
</tr>
<tr>
<td>Equalizer</td>
<td>15 bands per channel w/ adjustable Q and Frequency</td>
</tr>
<tr>
<td>Equalizer resolution</td>
<td>1/10th dB per step +12dB / -12dB</td>
</tr>
<tr>
<td>Time alignment (Distance)</td>
<td>0 - 471.2 cm / 0 - 185.5 inches</td>
</tr>
<tr>
<td>Time alignment (Time)</td>
<td>0 - 13.58ms</td>
</tr>
<tr>
<td>Time alignment (Step)</td>
<td>0.08 ms, 2.8 cm / 1.1 inch</td>
</tr>
<tr>
<td>Time alignment (Fine SET)</td>
<td>0.02 ms, 0.7 cm / 0.27 inch</td>
</tr>
<tr>
<td>Crossovers</td>
<td>AP/HP/LP/BP all channels</td>
</tr>
<tr>
<td>Crossover Type</td>
<td>Butterworth, Linkwitz-Riley, Bessel (All Channels)</td>
</tr>
<tr>
<td>Crossover slope</td>
<td>From 6dB/oct. until 30dB/oct. (6dB step)</td>
</tr>
<tr>
<td>Crossover steps</td>
<td>120 steps 20Hz-20KHz</td>
</tr>
<tr>
<td>Mute function</td>
<td>I can mute every channel separately or all together.</td>
</tr>
<tr>
<td>Presets</td>
<td>4 presets</td>
</tr>
<tr>
<td>Presets selection by wire</td>
<td>2 specific wires to control the 4 presets selection by external switches.</td>
</tr>
<tr>
<td>Input selection by wire</td>
<td>One specific wire to select the desired input between Analog or Digital.</td>
</tr>
<tr>
<td>Audio signal Compressor on output stage</td>
<td>Yes (enable/disable)</td>
</tr>
<tr>
<td>DSP chipset</td>
<td>Analog Device: ADAU1451</td>
</tr>
<tr>
<td>DSP management by BT APP (IOS/Android)</td>
<td>1. CONFIGURATOR mode</td>
</tr>
<tr>
<td></td>
<td>Mainly it’ll allow the DSP tuning. You can manage every DSP function through your smartphone/tablet/PC/MAC.</td>
</tr>
<tr>
<td></td>
<td>2. DRC mode</td>
</tr>
<tr>
<td></td>
<td>The BT device must become a remote control by using the dedicated app with a easier graphical user interface. We can manage volume level, SUB level, select different setup files, upload a new setup file shared with the installer or with another user.”</td>
</tr>
<tr>
<td>Setup file sharing via BT</td>
<td>It's possible to upload a setup file via BT through the BT APP when in “Configurator” or “DRC” mode.</td>
</tr>
<tr>
<td>DSP management by PC/MAC/IOS/Android</td>
<td>Windows 7 64-bit, Windows 8 &amp; Windows 10</td>
</tr>
<tr>
<td>GENERAL</td>
<td>iOS version 12 or later</td>
</tr>
<tr>
<td>Maximum external dimensions</td>
<td>36.8mm x 88.3mm x 130mm</td>
</tr>
<tr>
<td>Fixing solution</td>
<td>By screws or cable ties.</td>
</tr>
<tr>
<td>Chassis material</td>
<td>ABS and metal</td>
</tr>
<tr>
<td>Coated PCB</td>
<td>The PCB is protected by a coating layer.</td>
</tr>
<tr>
<td>Status led</td>
<td>RGB</td>
</tr>
<tr>
<td>BT status led</td>
<td>BLUE</td>
</tr>
<tr>
<td>SW Update</td>
<td>Via USB (PC/MAC SW)</td>
</tr>
<tr>
<td>USB input for PC connection</td>
<td>Micro USB</td>
</tr>
</tbody>
</table>

---

44
## TECHNICAL SPECIFICATIONS

### HIGH-POWER AMPLIFIERS

### AMP specifications

#### HMD8 DSP - HMD8 DSP 24V

<table>
<thead>
<tr>
<th>Channel Mode</th>
<th>8 - 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output Power (RMS) @ 14.4 VDC</td>
<td>@ 4Ω W x ch 85 x 8</td>
</tr>
<tr>
<td></td>
<td>@ 2Ω W x ch 130 x 8</td>
</tr>
<tr>
<td></td>
<td>@ 4Ω W x ch (4 ch) 260 x 4</td>
</tr>
<tr>
<td>Distortion - THD</td>
<td>1 kHz @ 4Ω, 2 VRMS % 0.06</td>
</tr>
<tr>
<td>S/N Ratio</td>
<td>Sensitivity @ 1 V RMS dBA 105</td>
</tr>
<tr>
<td>Damping factor</td>
<td>1 kHz @ 4Ω 110</td>
</tr>
<tr>
<td>Size W x D x H</td>
<td>mm 243 x 48 x 159</td>
</tr>
<tr>
<td></td>
<td>in. 9.56 x 1.89 x 6.2</td>
</tr>
</tbody>
</table>

#### HMD1 - HMD1 24V

<table>
<thead>
<tr>
<th>Channel Mode</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output Power (RMS) @ 14.4 VDC</td>
<td>@ 4Ω W x ch 500</td>
</tr>
<tr>
<td></td>
<td>@ 2Ω W x ch 800</td>
</tr>
<tr>
<td>Distortion - THD</td>
<td>1 kHz @ 4Ω, 2 VRMS % 0.1</td>
</tr>
<tr>
<td>S/N Ratio</td>
<td>Sensitivity @ 1 V RMS dBA 101</td>
</tr>
<tr>
<td>Damping factor</td>
<td>1 kHz @ 4Ω 120</td>
</tr>
<tr>
<td>Size W x D x H</td>
<td>mm 243 x 48 x 159</td>
</tr>
<tr>
<td></td>
<td>in. 9.56 x 1.89 x 6.2</td>
</tr>
</tbody>
</table>

### DSP specifications

<table>
<thead>
<tr>
<th>Filter type</th>
<th>Full / Hi pass / Low Pass / Band Pass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filter mode and slope (dB/oct)</td>
<td>Butterworth (6, 12, 18, 24, 30, 36, 42, 48, 54, 60)</td>
</tr>
<tr>
<td></td>
<td>Linkwitz-Riley (12, 24, 36, 48, 60 dB/oct)</td>
</tr>
<tr>
<td></td>
<td>Bessel (6, 12, 18, 24, 30, 36, 42, 48, 54, 60)</td>
</tr>
<tr>
<td></td>
<td>Chebyshev (6, 12, 18, 24, 30, 36, 42, 48, 54, 60)</td>
</tr>
<tr>
<td></td>
<td>QLP quasi-linear phase (6, 12)</td>
</tr>
<tr>
<td>Crossover frequency Hz</td>
<td>20 – 20k integer values</td>
</tr>
<tr>
<td>Phase control</td>
<td>0° / 180°, all pass equalizer poles</td>
</tr>
<tr>
<td>Graphic and Parameter</td>
<td>n. 10 parametric poles (Peaking, High Shelf, Low Shelf, Notch, All pass) ±12 dB gain, variable Q [0.5 – 16.0]</td>
</tr>
<tr>
<td>Equalizer</td>
<td>0 – 510 cm / 0 – 200.8 in.</td>
</tr>
<tr>
<td>Time Alignment Distance</td>
<td>0 – 15 ms</td>
</tr>
<tr>
<td>Time Alignment Delay</td>
<td>1 cm / 0.39 in.</td>
</tr>
<tr>
<td>Time Alignment Step</td>
<td>1 sample</td>
</tr>
<tr>
<td>Time Alignment Fine SET</td>
<td>n. 2 memories</td>
</tr>
<tr>
<td>Memories</td>
<td>n. 3 parametric poles for each memory (Peaking, High Shelf, Low Shelf) ±12 dB gain, variable Q [0.5 – 16.0]</td>
</tr>
<tr>
<td>Preset (Drive Preset)</td>
<td>Rotary switch for 7 installation Presets</td>
</tr>
</tbody>
</table>
### HCP M SERIES

**Channel Mode**
- @4Ω: W x ch
- @2Ω: W x ch
- @4Ω: W x ch (3 ch)
- @2Ω + 4Ω: W x ch (3 ch)
- @4Ω: W x ch (2 ch)
- @4Ω: W x ch (mono)

**Output Power (RMS) @ 14.4 VDC**
- @4Ω: W x ch: 150 x 4
- @2Ω: W x ch: 250 x 4
- @4Ω: W x ch (3 ch): 150 x 2 + 520 x 1
- @2Ω + 4Ω: W x ch (3 ch): 250 x 2 + 520 x 1
- @4Ω: W x ch (2 ch): 520 x 2
- @4Ω: W x ch (mono): 740 x 1

**Output Power (RMS) @ 2Ω**
- W x ch: 120 x 2
- W x ch: 200 x 2
- W x ch (3 ch): 65 x 2 + 190 x 1
- W x ch (3 ch): 95 x 2 + 190 x 1
- W x ch (2 ch): 190 x 2

**Output Power (RMS) @ 4Ω + 2Ω**
- W x ch (3 ch): 210 x 2 + 330 x 1
- W x ch (2 ch): -
- W x ch (mono): 210 x 2 + 200 x 1

**Output Power (RMS) @ 4Ω + 2Ω**
- W x ch (3 ch): 210 x 2 + 330 x 1
- W x ch (2 ch): -

<table>
<thead>
<tr>
<th>AMP specifications</th>
<th>HCP M4DK</th>
<th>HCP M1DK</th>
<th>HCP 2MX</th>
<th>HCP 4M</th>
<th>HCP 5MD - HCP 5MD 24 V</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Output Power (RMS) @ 4Ω</strong></td>
<td>150 x 4</td>
<td>740 x 1</td>
<td>120 x 2</td>
<td>65 x 4</td>
<td>65 x 4 + 200 x 1</td>
</tr>
<tr>
<td><strong>Output Power (RMS) @ 2Ω</strong></td>
<td>250 x 4</td>
<td>1240 x 1</td>
<td>200 x 2</td>
<td>95 x 4</td>
<td>105 x 4 + 330 x 1</td>
</tr>
<tr>
<td><strong>Output Power (RMS) @ 4Ω</strong></td>
<td>150 x 2 + 520 x 1</td>
<td>-</td>
<td>-</td>
<td>65 x 2 + 190 x 1</td>
<td>210 x 2 + 200 x 1</td>
</tr>
<tr>
<td><strong>Output Power (RMS) @ 2Ω + 4Ω</strong></td>
<td>250 x 2 + 520 x 1</td>
<td>-</td>
<td>-</td>
<td>95 x 2 + 190 x 1</td>
<td>-</td>
</tr>
<tr>
<td><strong>Output Power (RMS) @ 4Ω</strong></td>
<td>520 x 2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>210 x 2 + 330 x 1</td>
</tr>
</tbody>
</table>

**Filters**
- **Bypass**: Yes
- **Hi-Pass**: A/B: 50 @ 12 / 3,2k @ 12 dB/Oct., B: 50 @ 12 / 3,2k @ 12 dB/Oct.
- **Lo-Pass**: B: 50 @ 12 / 3,2k @ 12 dB/Oct., C: 50 @ 12 / 3,2k @ 12 dB/Oct.
- **Subsonic**: Yes

**Boost**
- db gain @ 50 Hz: (10 – 6) dB, (0 – 6) dB, (0 – 6) dB

**HRC (Hertz Remote Control)**
- (-50 – 6) dB

**Pre-Out**
- Bypass: Yes

**Distortion - THD**
- @100 Hz: 0.3 %

**S/N Ratio**
- Sensitivity @ 1 V RMS: 105 dB

**Damping Factor**
- 1 kHz @ 4Ω: 200

**Size W x D x H**
- mm: 315 x 190 x 50
- in: 12.40 x 7.48 x 1.97

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### HMP SERIES

**Channel Mode**
- @4Ω: W x ch
- @2Ω: W x ch
- @4Ω: W x ch (2 ch)

**Output Power (RMS) @ 14.4 VDC**
- @4Ω: W x ch: 180 x 1
- @2Ω: W x ch: 300 x 1
- @4Ω: W x ch (2 ch): -

**Filters**
- **Bypass**: Yes
- **Hi-Pass**: Hz @ db/Oct.
- **Lo-Pass**: Hz @ db/Oct.

**Subsonic**
- Hz @ db/Oct.

**Boost**
- db gain @ 45 Hz
- db gain @ 45 Hz

**HRC BM (Hertz Remote Control Bass Management)**
- (-50 – 6) dB

**Distortion - THD**
- @100 Hz: 0.2 %

**S/N Ratio**
- Sensitivity @ 1 V RMS: 105 dB

**Damping Factor**
- 1 kHz @ 4Ω: 300

**Size W x D x H**
- mm: 233 x 100.6 x 43.6
- in: 8.77 x 3.95 x 1.71

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### TECHNICAL SPECIFICATIONS

**AMP specifications**

**HCP M SERIES**

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<tbody>
<tr>
<td>@4Ω</td>
<td>W x ch</td>
<td>150 x 4</td>
<td>740 x 1</td>
<td>120 x 2</td>
<td>65 x 4 + 200 x 1</td>
</tr>
<tr>
<td>@2Ω</td>
<td>W x ch</td>
<td>250 x 4</td>
<td>1240 x 1</td>
<td>200 x 2</td>
<td>95 x 4 + 330 x 1</td>
</tr>
<tr>
<td>@4Ω</td>
<td>W x ch (3 ch)</td>
<td>150 x 2 + 520 x 1</td>
<td>-</td>
<td>-</td>
<td>65 x 2 + 190 x 1</td>
</tr>
<tr>
<td>@2Ω + 4Ω</td>
<td>W x ch (3 ch)</td>
<td>250 x 2 + 520 x 1</td>
<td>-</td>
<td>-</td>
<td>95 x 2 + 190 x 1</td>
</tr>
<tr>
<td>@4Ω</td>
<td>W x ch (2 ch)</td>
<td>520 x 2</td>
<td>-</td>
<td>-</td>
<td>190 x 2</td>
</tr>
<tr>
<td>@4Ω</td>
<td>W x ch (mono)</td>
<td>740 x 1</td>
<td>400 x 1</td>
<td>-</td>
<td>-</td>
</tr>
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**Output Power (RMS) @ 2Ω**
- W x ch: 120 x 2
- W x ch: 200 x 2
- W x ch (3 ch): 65 x 2 + 190 x 1
- W x ch (3 ch): 95 x 2 + 190 x 1
- W x ch (2 ch): 190 x 2
- W x ch (mono): 210 x 2 + 200 x 1

**Output Power (RMS) @ 4Ω**
- W x ch (3 ch): 210 x 2 + 330 x 1
- W x ch (2 ch): -
- W x ch (mono): 210 x 2 + 330 x 1

**Filters**
- **Bypass**: Yes
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- **Lo-Pass**: B: 50 @ 12 / 3,2k @ 12 dB/Oct., C: 50 @ 12 / 3,2k @ 12 dB/Oct.
- **Subsonic**: Yes

**Boost**
- db gain @ 50 Hz: (10 – 6) dB, (0 – 6) dB, (0 – 6) dB

**HRC (Hertz Remote Control)**
- (-50 – 6) dB

**Pre-Out**
- Bypass: Yes

**Distortion - THD**
- @100 Hz: 0.3 %

**S/N Ratio**
- Sensitivity @ 1 V RMS: 105 dB

**Damping Factor**
- 1 kHz @ 4Ω: 200

**Size W x D x H**
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---

**AMP specifications**

**HMP SERIES**

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<tr>
<th>Channel Mode</th>
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<th>HMP 4D</th>
</tr>
</thead>
<tbody>
<tr>
<td>@4Ω</td>
<td>W x ch</td>
<td>180 x 1</td>
</tr>
<tr>
<td>@2Ω</td>
<td>W x ch</td>
<td>300 x 1</td>
</tr>
<tr>
<td>@4Ω</td>
<td>W x ch (2 ch)</td>
<td>-</td>
</tr>
<tr>
<td>@2Ω</td>
<td>W x ch</td>
<td>-</td>
</tr>
<tr>
<td>@4Ω</td>
<td>W x ch (3 ch)</td>
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**Filters**
- **Bypass**: Yes
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- **Lo-Pass**: Hz @ db/Oct.
- **Subsonic**: Hz @ db/Oct.

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- db gain @ 45 Hz
- db gain @ 45 Hz

**HRC BM (Hertz Remote Control Bass Management)**
- (-50 – 6) dB

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- @100 Hz: 0.2 %

**S/N Ratio**
- Sensitivity @ 1 V RMS: 105 dB

**Damping Factor**
- 1 kHz @ 4Ω: 300

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- in: 8.77 x 3.95 x 1.71