

M4 MULTI-BAND ACOUSTIC RECEIVER



Marport's Broadband Acoustic Receiver utilizes multiple software digital signal processors for real-time display and processing of passive and active acoustic signals for 1kHz to 1.8 MHz.

Designed as a single multi-function acoustic receiver, the M4 is capable of accommodating several full function channels for simultaneous operation of standard sensors, net sounders (including Narrow Band), and high resolution net sounders, all with selectable configurations for the most advanced net monitoring system available.

The M4 includes scalable, open architecture support expansion to accommodate additional signal processing hardware, along with new operator tools and emergency customer requirements. This unit employs adaptive narrow band interference rejection techniques to provide enhanced system performance and acoustic signal reception when compared to conventional systems.

The frequency-agile receiver also decodes multiple underwater communication protocols from a wide variety of third-party manufacturers of sensors, net sounders, sonars and related acoustic hardware. One M4 Broadband Acoustic Receiver can replace multiple older bridge cabinets which can significantly reduce the need for expensive bridge equipment and associated maintenance costs.

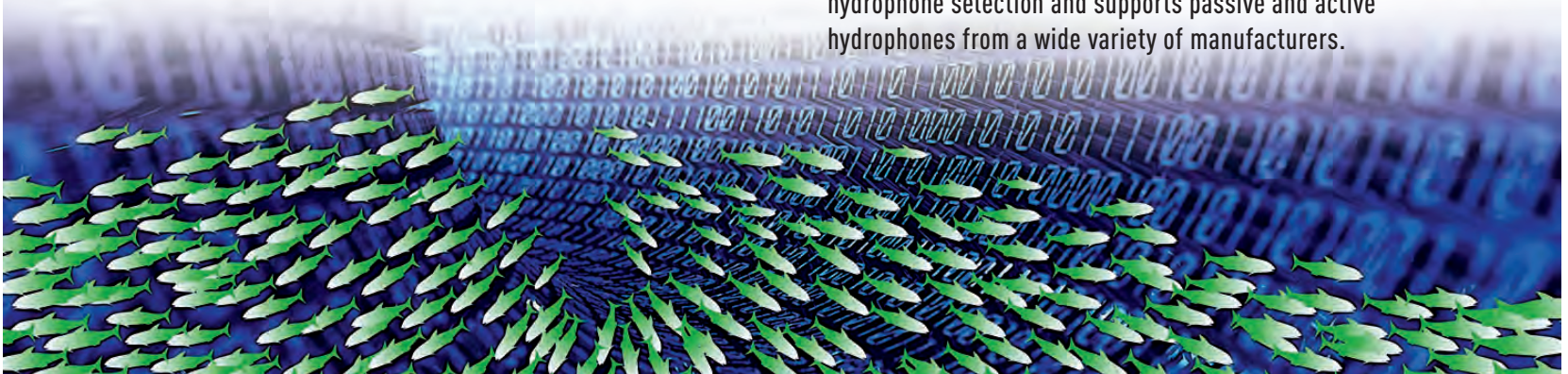
Key attributes of the M4 include: dynamically tunable broadband operation, excellent noise rejection, high linearity and flat frequency response with opto-isolation. It supports Ethernet and NMEA 0183 and can be interfaced to any commercially available PC. The transceiver has automatic hydrophone selection and supports passive and active hydrophones from a wide variety of manufacturers.

Marport M4 is designed for future implementation of advance features like:

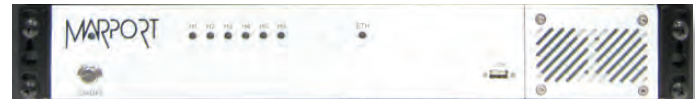
- Sensors positioning
- Distance measurements to sensors
- Sensors remote control

Marport M4 receiver can be configured and upgraded using standard software tools and operates with:

- Windows® 7 Professional / Linux®
- Firefox® Web Browser
- Java™ Runtime Environment (JRE)



- Acoustic receiver w/ extended frequency range – 26 kHz to 50 kHz
- Capable of up to 6 hydrophones for simultaneous operation, for active and passive configuration, with built-in interface and support for a wide variety of manufacturers
- 6 NBTE echogram channels, expandable to 10
- Up to 100 “traditional” sensors in a combination of BC/CH or frequency mode sensors
- Standard 110/220 Vac or 24 Vdc power supply
- Embedded PC server running a Linux® system configuration/diagnostics and controllable via web browser allowing easy firmware upgrades.
- Firmware upgradable via Ethernet connection
- Built-in spectrum analyzer and troubleshooting tools
- Standard 19” design with 1.5U size allows for rack or tabletop mount
- Includes the latest version of CommandView™ Software



PRODUCT NUMBER

DESCRIPTION

M4

BROADBAND MULTI-CHANNEL ACOUSTIC RECEIVER

CommandView™ Software (Included)

Bluetooth® device with driver and software (Included)

Technical documentation, programing and configuration tools (Included)

Ethernet interface cable (Included)

Hydrophone connectors w/ pigtails (Included)

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