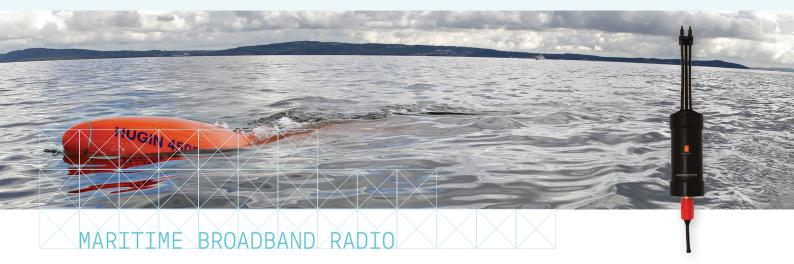
MBR 144 SUBMERSIBLE





The Maritime Broadband Radio is a smart antenna designed for use in maritime applications where digital high-speed reliable communication and data transfer are crucial for efficient and safe operations. The MBR 144 Submersible allows for resilient and long-range data exchange for surfaced subsea vehicles. The MBR 144 Submersible is certified for 1000m depth, and has integrated antennas. The sole connection to the MBR 144 Submersible is one connector for power and Ethernet.

TECHNICAL SPECIFICATIONS

PERFORMANCE

0.7 to 16.5 Mbps User data

Antenna coverage

Omni-directional 360 degrees azimuth

RF specifications

Frequency band 5725 MHz to 5850 MHz

Channel bandwidth 20 MHz 7 dBi Antenna gain Up to 36 dBm **GMSK** Modulation Internal antenna elements

INTERFACES

Ethernet/LAN

WEIGHTS AND DIMENSIONS

MBR Unit 2.4 kg (0.8 kg submerged)

548 x 98 x 98 mm

POWER 24 V DC Supply voltage

Max. power consumption 30 W 6 W

ENVIRONMENTAL SPECIFICATIONS

-30 °C to +55 °C Operating temperature range Operating humidity 20 to 100 % RH 20 to 70 % RH Storage humidity (recommended) Pressure rating 1000 m

STANDARDS AND REGULATIONS

MBR is in conformity with RED directive 2014/53/EU

FCC ID Q8IM144M20EM EMC ETSI EN 301 843-1 ETSI EN 301 843-7

IEC 60945/EN 60945

FCC §15.407

Radio IEC 61010-1/EN 61010-1 **Product Safety** IEC 60945/EN 60945 Environmental

Specifications subject to change without any further notice.



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