

MBR 144 MK2



KONGSBERG



Maritime Broadband Radio

The Maritime Broadband Radio (MBR) is a smart antenna designed for use in maritime applications where digital high-speed reliable communication and data transfer is crucial for efficient and safe operations. Completely enclosed with integrated antennas the MBR 144 MK2 is designed for installations on small manned and unmanned vessels. The radio unit has an integrated bracket for easy installation on vertical or horizontal rails. With a built-in GNSS sensor the radio unit has the possibility for absolute positioning. With its neat and slim design, and only one cable to connect, the MBR 144 MK2 is easy to deploy on the vessel.

Technical specifications



Performance

User data throughput 0.7 to 16.5 Mbps

Antenna coverage

Omni-directional 360 degrees azimuth

RF specifications

Frequency band¹ 4900 - 5900 MHz
Channel bandwidth 20 MHz
Tx power Up to 2 W
Antenna gain 8 dBi
EIRP Up to 41 dBm
Modulation GMSK
Antenna elements 4

Interfaces

Ethernet/Power connector 10 m attached cable with 1 x RJ 45
Data interface Ethernet 10/100 baseT

Weight and dimensions

Dimensions 260 × 115 × 115 mm
Weight 2.5 kg

Power specifications

Supply voltage 24 VDC
Power consumption, full Tx 25 W
Power consumption, Rx only 7 W

Environmental specifications

Operating temperature -40 °C - +55 °C
Ingress protection IP 66

Standards and regulations

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

EMC ETSI EN 301 843-1
ETSI EN 301 843-7
IEC 60945/EN 60945

Radio ETSI EN 303 276

Product safety IEC 61010-1/EN 61010-1

Environmental IEC 60945/EN 60945
DNVGL-CG-0339
IACS E10

¹ Configurable range for the single 20 MHz channel.

Specifications subject to change without any further notice.