

# MBR 144 MK2 OEM



KONGSBERG



## Maritime Broadband Radio

The Maritime Broadband Radio (MBR) is a smart antenna designed for use in any application where digital high-speed reliable communication and data transfer is crucial for efficient and safe operation. MBR 144 MK2 OEM is the low weight, compact version in the MBR family. Designed for customer specific integration, with a flexible form for easy fit into existing platforms. The antenna connections are connector-based, thus the antennas can be adjusted for the customer specific design.

## Technical specifications



### Performance

User data throughput 0.7 - 16.5 Mbps

### Antenna coverage

Omni-directional 360 degrees azimuth

### RF specifications

Frequency band<sup>1</sup> 4900 - 5900 MHz  
Channel bandwidth 20 MHz  
Tx power Up to 2 W  
Antenna gain 6 dBi  
EIRP Up to 39 dBm  
Modulation GMSK  
Antenna connectors 4, SMA

### Interfaces

Ethernet/Power connector 1 x Lemo  
Data interface Ethernet 10/100 baseT

### Weight and dimensions

Dimensions 120 × 78 × 35 mm  
Weight 260 g

### Power specifications

Supply voltage 12 - 24 VDC  
Power consumption, full Tx 25 W, max.  
Power consumption, Rx only 6 W

### Environmental specifications

Operating temperature -30 °C - +55 °C  
Ingress protection IP41

### 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

<sup>1</sup> Configurable range for the single 20 MHz channel.

Specifications subject to change without any further notice.