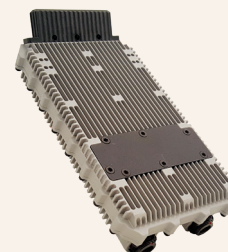


# MBR 144 MK2 Personal



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 are crucial for efficient and safe operations. With a compact design and tilted antennas suitable for helmet mounting, the MBR 144 MK2 Personal is intended for operations where personnel requires a robust communication link during surveillance and inspection. The MBR 144 MK2 Personal has integrated antennas and GNSS positioning.

## 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 7 dBi  
EIRP Up to 40 dBm  
Modulation GMSK  
Internal antenna elements 4

### Interfaces

Ethernet/Power connector 2 x ODU-AMC  
Data interface Ethernet 10/100 baseT

### Weight and dimensions

Dimensions 146 x 78 x 43 mm  
Weight 295 g

### Power specifications

Supply voltage 24 VDC  
Power consumption, full Tx 25 W, max.  
Power consumption, Rx only 8 W

### Environmental specifications

Operating temperature -40 °C - +55 °C  
Ingress protection IP68

### 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.