

# MBR 179 MK2 Portable



KONGSBERG



## Maritime Broadband Radio

The MBR 179 MK2 Portable, is a kit consisting of a MBR 179 MK2 radio, tripod and cables for quick deployment. The MBR 179 MK2 Portable is delivered in two transportation hard cases and is perfect to use both on shore and on vessels which requires quick deployment for temporary operation. The Maritime Broadband Radio (MBR) is a smart antenna designed for use in any application where resilient high-speed communication and high-capacity data transfer are crucial for efficient and safe operation. With beamforming the MBR 179 MK2 Portable provides steerable high-gain antenna direction in an omnidirectional sector, ideal for vessels and moving assets. With a narrow fan shaped antenna diagram, a strong link margin is maintained and continuously updated as the unit is unaffected of vessel movements.

## 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 4 W  
Antenna gain 21 dBi  
EIRP Up to 57 dBm  
Modulation GMSK  
Internal antenna elements 60

### Interfaces

Ethernet/Power connector 1 x MIL-STD-38999 13-26 Marine Bronze  
Data interface Ethernet 10/100 baseT

### Weight and dimensions

Dimensions 323 x 323 x 111 mm  
Weight 9 kg  
Transportation case 1 17.6 kg, 100 x 47 x 17 cm  
Transportation case 2 20.4 kg, 46 x 31 x 61 cm

### Power specifications

Supply voltage 24 - 48 VDC  
Power consumption, full Tx 210 W, max.  
Power consumption, Rx only 70 W

### Environmental specifications

Operating temperature -40 °C - +55 °C  
Ingress protection IP66

### 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 (48 VDC)  
IACS E10 (48 VDC)

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

Specifications subject to change without any further notice.