



KONGSBERG

MBR 189 MK2 FCC PORTABLE



MARITIME BROADBAND RADIO



The MBR 189 MK2 Portable is a kit consisting of a MBR 189 MK2 radio, tripod and cables for quick deployment. The MBR 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 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 real-time beamforming, the MBR 189 adjusts the antenna direction for every IP datagram transmitted within a sector of 100° x 100°. This operational sector can be increased by mounting multiple radios together, giving up to 360° azimuth coverage. The MBR 189 is suitable for maritime land-to-sea and vessel-to-vessel communication.

TECHNICAL SPECIFICATIONS

RF SPECIFICATIONS

Radio type	MBR 189 MK2 FCC
Frequency band	5725 MHz to 5850 MHz
Channel bandwidth	20 MHz
Antenna gain	24 dBi
EIRP	Up to 54 dBm
Internal antenna elements	60

INTERFACES

Ethernet/LAN	1x RJ-45
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WEIGHTS AND DIMENSIONS

Radio unit	8.8 kg, 323 x 323 x 111 mm
Transportation case 1	100 x 47 x 17 cms, weight: 17.6 kgs
Transportation case 2	46 x 31 x 61 cms, weight: 20.4 kgs

POWER

Supply voltage Radio Unit	24 - 48 V DC
Supply voltage Portable PSU	110 - 240 V AC
Max. power consumption, full TX	210 W

ENVIRONMENTAL SPECIFICATIONS

Operational temperature range MBR Unit	-40°C - +55°C
Humidity (operating/storage) MBR Unit (recommended)	20 to 100 % RH / 20 to 70 % RH
Ingress protection MBR Unit	IP66



Specifications subject to change without any further notice.

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