

MBR 189 MK2 PORTABLE



KONGSBERG



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 communication and for ground stations for manned and unmanned aircraft operations.

TECHNICAL SPECIFICATIONS

RF SPECIFICATIONS

Radio type	MBR 189 MK2
Frequency band ¹	4900 MHz to 5900 MHz
Channel bandwidth	20 MHz
Antenna gain	24 dBi
EIRP	Max 60 dBm
Internal antenna elements	60

INTERFACES

Ethernet/LAN	1x RJ-45
--------------	----------

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

¹Configurable range for the single 20 MHz channel

Specifications subject to change without any further notice.

KONGSBERG SEATEX

Switchboard: +47 73 54 55 00
Global support 24/7: +47 33 03 24 07
E-mail sales: km.seatex.sales@km.kongsberg.com
E-mail support: km.support.seatex@km.kongsberg.com

kongsberg.com/maritime



KONGSBERG