

MBR 144 PERSONAL



KONGSBERG



MARITIME BROADBAND RADIO

The Maritime Broadband Radio 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 compact design and tilted antennas suitable for helmet mounting, the MBR 144 Personal is intended for operations where personnel requires a robust communication link during surveillance and inspection. The MBR 144 Personal has integrated antennas and GNSS positioning. The MBR 144 Personal is also available with a dedicated plug-and-play camera for live streaming, and battery packs.

TECHNICAL SPECIFICATIONS

PERFORMANCE

Range

Operational range ¹⁾	20 km
User data	0.7 to 16.5 Mbps

Antenna coverage

Omni-directional	360 degrees azimuth
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RF specifications

Frequency band ²⁾	4900 MHz to 5900 MHz
Channel bandwidth	20 MHz
Tx power	Up to 2 W
Antenna gain	7 dBi
EIRP	Max 40 dBm
Modulation	GMSK
Internal antenna elements	4

INTERFACES

Ethernet/LAN	2
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WEIGHTS AND DIMENSIONS

MBR Unit	295 g, 146 x 78 x 43 mm
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POWER

Supply voltage	24 V DC
Max. power consumption	25 W
Idle	8 W

ENVIRONMENTAL SPECIFICATIONS

Operating temperature range ³⁾	-40 °C to +55 °C
Operating humidity	20 to 100 % RH
Storage humidity (recommended)	20 to 70 % RH
Ingress protection	IP68

STANDARDS AND REGULATIONS

Electromagnetic compatibility

Compliance to EMC, immunity/emission	IEC 60945/EN 60945
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Product safety

Compliance to LVD, standard used	IEC 60950/EN 60950
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¹⁾ Operational range is dependent on antenna placement and height

²⁾ Configurable range for the single 20 MHz channel

³⁾ Air convection required

Specifications subject to change without any further notice.

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