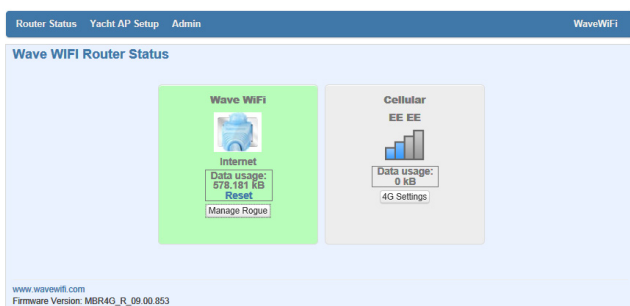


# Marine Broadband Router 4G-PRO



Looking for superfast mobile internet for your boat? The new MBR4G-PRO gives easy access to LTE 4G mobile AND connectivity for long range wifi via a Wave WiFi EC-Series.

Using Wave WiFi's super easy to use web-based interface that scans, locates and connects to the strongest 4G 3G or GSM signal or switches seamlessly to a WiFi access point (HotSpot).

MBR4G-PRO gives you the convenience of high speed connectivity for both wired & wirelessly with multiple

devices thanks to its integral WiFi and 3 LAN Ports, allowing Laptops (PC and Mac), Mobiles, Tablets (Apple and Android) and Net Devices such as Plotters and Entertainment devices to connect to the internet.

With Wave WiFi there is no software to install, no USB restrictions and no power robbing USB connection. All connections are Ethernet based giving uncompromised ability to locate the equipment where convenient for your boat and providing universal compatibility

## Wave WiFi's standard features include:

- Proprietary web-based Interface
- No software to install
- Works with any Ethernet enabled device
- FREE online firmware upgrades
- One-year limited warranty

## MBR4G-PRO Features:

- Auto APN Setup for simple 4G Service provider setup
- Auto FailOver and Seamless Switching between Cellular and WAN connections
- Robust Housing designed for marine environments
- Integrated Mounting Options—Screw Fix, Detachable Bracket or DIN Rail
- Connects to 4G (LTE) 3G (DC-HSPA+, HSDPA, HSUPA, WCDMA) & 2G (GSM, GPRS, EDGE)
- Secure SIM prevents damage and environmental corrosion
- Operates on both 12 and 24v DC Voltages with locking power connector
- 2nd Internet WAN Port for WiFi Hotspot, Satellite or Shore DSL Connections
- Integrated 802.11n Wireless Access Point & single Wired LAN Port



Manufactured under license from GEOSat Solutions Inc.  
Distributed in UK and Europe by Exmoor Technology

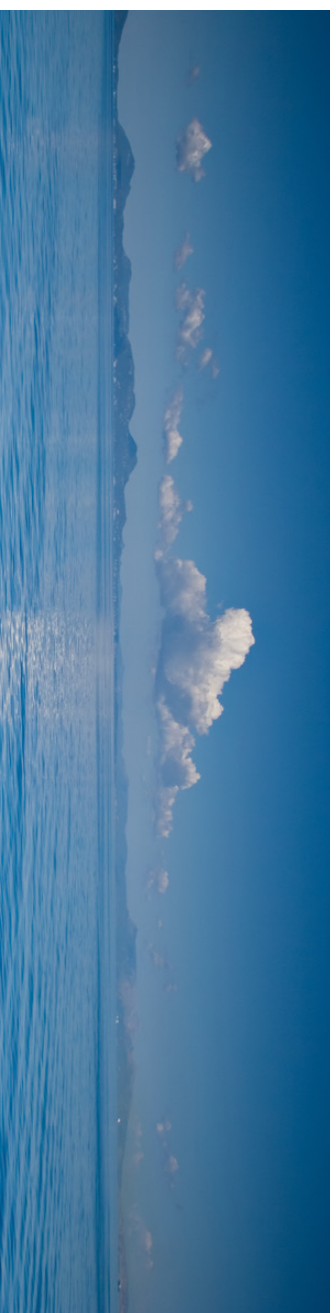
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On the Water and Online



## MBR4G Cellular Characteristics

### GSM/GPRS/EDGE

- 850/900/1800/1900 MHz
- Power Class 4 (2 W, 33 dBm) GSM/GPRS 850/900 MHz
- Power Class 1 (1 W, 30 dBm) GSM/GPRS 1800/1900 Mhz
- Power Class E2 (0.5 W, 27 dBm) for EDGE 850/900 MHz
- GPRS: 85.6 kbps DL/85.6 kbps UL (class 12)
- EDGE: 236.8 kbps DL/236.8 kbps UL (class 12)

### UMTS

- 850/900/1900/2100 MHz
- DC-HSPA+ mode: DL up to 43.2 Mbps, UL 5.76 Mbps
- HSPA+ mode: DL up to 21.6 Mbps, UL 5.76 Mbps
- UMTS mode: 384 kbps DL/384 kbps UL
- All bands with diversity

### LTE

- FDD 800/850/900/1800/1900/2100/2600 MHz
- Up to 100 Mbps downlink speed
- Up to 50 Mbps uplink speed
- All bands with diversity
- 2 dBi LTE/UMTS/GMS antenna
- Dual LTE Antennas for MiMo Diversity Reception

## MBR4G Ethernet Characteristics

- Router, Wireless AP, 1-Port Switch and Firewall
- IEEE 802.11b/g/n,
- WEP, WPA, WPA2, WPA&WPA2 encryption
- 1x LAN 10/100Mbps Ethernet ports
- 1x WAN 10/100Mbps Ethernet port
- 2x 5dBi wireless antenna
- Dynamic DNS
- OpenVPN & IPSec
- Transparent Bridge Mode–Cellular Modem
- Auto APN and Band Selection

## MBR4G Physical Characteristics

- Dimensions (H x W x D) 143mm x 107mm x 34mm
- Weight 235g
- Input voltage range 8 - 40VDC
- Power consumption < 6W
- Connectors 2 x SMA for LTE, 2 x RP-SMA for Wi-Fi, 1x SMA for GPS
- Operating temperature -30° to 70° C
- Certifications CE & ISO7637

All Wave Wifi models are shipped as complete systems and with the exception of the Rogue Wave & Rogue Pro are intended to be installed by qualified marine electricians.

Actual distance may be affected by the strength and quality of the HotSpot signal, as well as having clear line of site to the boat

Regional EIRP regulations may restrict output power to less than the maximum capabilities of the product

As we strive for constant product improvement, prices and specification are subject to change without notice.

Availability of public wireless LAN access points may be limited. The transmission speed over the wireless LAN and the distance which wireless LAN can reach may vary depending on surrounding electromagnetic environment, obstacles and access point design