MINI

4G BOOSTER
S E R I E S

Yacht Router Mini is designed for installation on smaller vessels with single satellite Internet source (VSAT, Inmarsat, Iridium etc). It will provide the ability to establish two vessel WIFI/LAN networks (Client-to-Vessel) which you will be able to independently and simultaneously connect to other WIFI networks (e.g. marina WIFI Hotspots), mobile networks (4G/3G/2G) or satellite Internet equipment. For vessels where single WIFI Access Point is not enough to cover all vessel areas, additional WIFI Extender can be connected.

- High power WIFI Booster for long distance connectivity (15+ Nautical miles[1])
- High power 4G/3G/2G module (30+ Nautical miles[2])
- 2x Client-to-Vessel WIFI/LAN network
- 2x LAN port
- 1x WAN port (for satellite Internet equipment)
- 1x Backbone LAN port
- Single WIFI Extender support
- Mobile Expander support
- LAN Expander support
- Online Remote Support
- Cloud Service compatible
- Wide range DC power input (10-30 V)
- Replacement for GoFree™ (Simrad, Lowrance, B&G)
- Replacement for Garmin WIFI Adapter Kit
- FURUNO NavNet, Maretron, SONOS and similar system compatible

Yacht Router Mini is equipped with Vessel-to-Shore WIFI Booster for simple installation and zero coax cable signal loos. WIFI Booster is powered directly from Yacht Router via Power-over-Ethernet cable injector.

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1 Achieved with 9dBi outdoor antenna and VIP mobile provider. As actual range depends on many factors Locomarine d.o.o. DO NOT guarantee specified range of connectivity.
2 Achieved with 9dBi outdoor antenna. As actual range depends on many factors Locomarine d.o.o. DO NOT guarantee specified range of connectivity.

Specifications

WAN, LAN, Backbone networks
Ethernet WAN ports: 1
Ethernet LAN ports: 2
Backbone LAN ports: 1
Dedicated Mobile Expander Pro port: not available
Max. data rate on WAN/LAN/Backbone (per port): 100 Mbps

Extenders, Expanders, Controller support
WIFI Extender support: yes
Max. number of supported WIFI Extenders: 1
Mobile Expander support: yes
LAN Expander support: yes
Touch Screen Controller support: yes
PoE injector power outputs: 2

Vessel-to-Shore WIFI booster
Power-over-Ethernet: yes (8-30 VDC)
Supported standards: b/g/n
Max. data rates (Mbps): 100
Max. transmit power (dBm): 32
Max. transmit power (mW): 1600
Sensitivity of included antenna (dB): 6
Antenna connector type (on device): N-type female
Dimension (mm, WxDxH, without antenna): 45 x 45 x 180

Client-to-Vessel WIFI
Max. number of networks: 2
Supported standards: b/g/n
Max. data rates (Mbps): 54
Max. transmit power (dBm): 30
Max. transmit power (mW): 1000
Sensitivity of included antenna (dB): 2
Antenna connector type (on device): N-type female

Mobile network
Integrated modems: 1
Europe/Africa/Asia/Oceania modem:
LTE freq. (MHz): 800 (B20), 900 (B8), 1800 (B3), 2100 (B1), 2600 (B7)
WCDMA freq. (MHz): 900 (B8), 2100 (B1)
GSM/GPRS/EDGE freq. (MHz): 900, 1800, 1900
Americas modem:
LTE freq. (MHz): 700 (B17), AWS (B4), 2100 (B1)
WCDMA freq. (MHz): 800 (B6), 850 (B5), 1900 (B2), 2100 (B1)
GSM/GPRS/EDGE freq. (MHz): 850, 900, 1800, 1900

Max. download rates (Mbps): 100
Max. upload rates (Mbps): 50
Max. transmit power in LTE/4G (dBm): 24
Max. transmit power LTE/4G (mW): 250
Max. transmit power in WCDMA (dBm): 24
Max. transmit power WCDMA (mW): 250
Max. transmit power in GSM/GPRS/EDGE (dBm): 33
Max. transmit power GSM/GPRS/EDGE (mW): 2000
SIM card slots: 1
SIM card size: standard GSM (ID-000)
Sensitivity of included antenna (dB): 2
Antenna connector type (on device): N-type female

Power, environment and dimensions
DC power supply input range (V): 10-30
AC power supply input range (V): not available
Automatic switching AC-DC power controller: not available
Regulated DC power outputs: not available
Max. power consumption at 12 V (W, without WIFI Extenders): 17
Operating temperature range for internal unit (°C): -10 to +60
Operating temperature range for WIFI Booster (°C): -30 to +60
Operating humidity range (%, non-condensing): 5-95
Enclosure material: aluminium
Enclosure mount type: wall
IP Protection: IP50
Dimension (mm, WxDxH, without antennas): 150 x 246 x 72
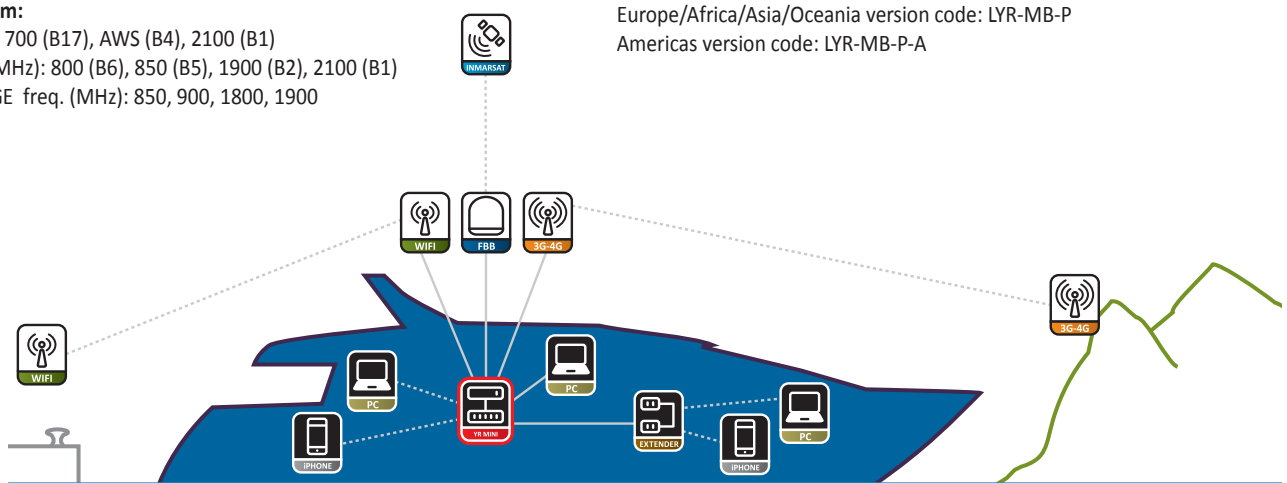
Software features
Hotspot: no
Hotspot supported on Client-to-Vessel WIFI networks: not available
WAN Auto-switching: no
Online Remote Support: yes
Selectable WAN source for each vessel network: yes
Detailed usage statistics: yes
Flexible assigning of LAN ports to vessel WIFI networks: yes
Customizable WIFI power output: yes
Mobile Network Bonding: not available

Cloud Service
Available remote user accounts: 2
Number of reachable on-board devices: unlimited

Ordering information (package)
Europe/Africa/Asia/Oceania version code: LYR-MB-P
Americas version code: LYR-MB-P-A

Local Dealer: