

## STANDARD

4G BOOSTER  
S E R I E S



Yacht Router Standard is designed for installation on vessels with single or dual satellite Internet source (VSAT, Inmarsat, Iridium etc). It will provide the ability to establish three 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 larger vessels where single WIFI Access Point is not enough to cover all vessel areas, multiple WIFI Extenders can be connected.

- High power WIFI Booster for long distance connectivity (15+ Nautical miles<sup>1</sup>)
- High power 4G/3G/2G module (30+ Nautical miles<sup>2</sup>)
- 3x Client-to-Vessel WIFI/LAN network
- Hotspot on single vessel WIFI network
- 3x LAN port
- 2x WAN port (for satellite Internet equipment)
- 3x Backbone LAN port
- Multiple WIFI Extenders supported
- 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 systems compatible



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

<sup>1</sup> Achieved with 9dBi outdoor antenna and VIP mobile provider. As actual range depends on many factors Locomarine d.o.o. DOES NOT guarantee specified range of connectivity.

<sup>2</sup> Achieved with 9dBi outdoor antenna. As actual range depends on many factors Locomarine d.o.o. DOES NOT guarantee specified range of connectivity.

## Specifications

### WAN, LAN, Backbone networks

Ethernet WAN ports: 2  
 Ethernet LAN ports: 3  
 Backbone LAN ports: 3  
 Dedicated Mobile Expander Pro port: not available  
 Max. data rate on WAN/LAN/Backbone (per port): 1 Gbps

### Extenders, Expanders, Controller support

WIFI Extender support: yes  
 Max. number of supported WIFI Extenders: unlimited  
 Mobile Expander support: yes  
 LAN Expander support: yes  
 Touch Screen Controller support: yes  
 PoE injector power outputs: 3

### Vessel-to-Shore WIFI booster

Power-over-Ethernet: yes (8-30 VDC)  
 Supported standards: a/b/g/n/ac  
 Max. data rates (Mbps, 1-1 ant.): 433  
 Max. transmit power (dBm): 31  
 Max. transmit power (mW): 1300  
 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: 1  
 Supported standards: b/g/n  
 Max. data rates (Mbps, 2-2 ant): 300  
 Max. transmit power (dBm): 30  
 Max. transmit power (mW): 1000  
 Sensitivity of included antenna (dB): 3  
 Antenna connector type (on device): N-type female

### Mobile network

Integrated modems: 1  
**Europe/Africa/Asia/Oceania modem:**  
 LTE/4G freq. (MHz): 2100 (B1), 1900 (B2), 1800 (B3), AWS (B4), 850 (B5), 2600 (B7), 900 (B8), 800 (B20)  
 WCDMA freq. (MHz): 2100 (B1), 1900 (B2), 900 (B8), 850 (B26)  
 GSM/GPRS/EDGE freq. (MHz): 850, 900, 1800, 1900  
**Americas modem:**  
 LTE/4G 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): 150  
 Max. upload rates (Mbps): 50  
 Max. transmit power in LTE/4G (dBm): 23  
 Max. transmit power LTE/4G (mW): 200  
 Max. transmit power in WCDMA (dBm): 23.5  
 Max. transmit power WCDMA (mW): 224  
 Max. transmit power in GSM/GPRS/EDGE (dBm): 32.5  
 Max. transmit power GSM/GPRS/EDGE (mW): 1778  
 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): 24  
 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): 212 x 292 x 80

### Software features

Hotspot: yes  
 Hotspot supported on Client-to-Vessel WIFI networks: 1 (Vessel Net. 2 only)  
 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: 3  
 Number of reachable on-board devices: unlimited

### Ordering information (package)

Europe/Africa/Asia/Oceania version code: LYR-SB-P  
 Americas version code: LYR-SB-P-A

