



# Bareboat Necessities (BBN) Boat Router

mgrouch

Version 2025-07-15, Bareboat Necessities Boat Router

<https://bareboat-necessities.github.io>

[https://github.com/bareboat-necessities/lysmarine\\_gen](https://github.com/bareboat-necessities/lysmarine_gen)

[https://github.com/bareboat-necessities/lysmarine\\_gen/issues](https://github.com/bareboat-necessities/lysmarine_gen/issues)

<https://bareboat-necessities.wixsite.com/my-bareboat>

<https://github.com/bareboat-necessities/bbn-m5stack-tough>

<https://github.com/bareboat-necessities/bbn-nmea200-m5atom>

PDF version:

<https://bareboat-necessities.github.io/my-bareboat/bbn-boat-router-station.pdf>

# Chapter 1. What is BBN Boat Router Station

Packed into Pelican type of case.

- LTE Router with GPS on the modem
- M5Stack Tough
- M5Stack CoreMP135
- USB Hub
- IMU m5stack atomS3 (or atomS3R?)
- Lightning Sensor
- AIS receiver (dAISy AIS)
- Ethernet Hub
- Voltage Sensor
- Volt/Amp Meter for power usage
- USB charging station

No raspberry pi inside, no big touch screen, no battery