

Okbayou Boat Network

Raymarine Axiom on NMEA 2000 network acts as a WiFi server to other devices such as cell phone and PC.

NMEA 2000 network also has a Raspberry Pi running Signal K and Node Red which has my own program to control lights and monitor temperatures throughout the boat. Engine coolant temperature is sent out the N2K network which can be seen on the Multi Function Display(MFD) at the helm. Lights can be controlled at the helm via an App on the MFD.

WiFi



Axiom can log into the internet when available and share its connection with all the other devices. Even without the internet it allows the devices to share data. The Raspberry pi puts data on a web page which can be viewed anywhere on the boat and allows control of anchor light and navigation lights from any device on the network. Pi also runs Signal K