# **Raymarine MFD Integration**

#### 1. Introduction

This document explains how to connect to Raymarine MFDs using an Ethernet connection. The integration technology used is called LightHouse Apps by Raymarine.

Make sure to also study the Marine MFD Integration by App chapter in the manual.

Note that there is an alternative method to connect, which is NMEA2000. See the NMEA2000 chapter in the main manual.

#### 2. Compatibility

The MFD integration is compatible with the Axiom, Axiom Pro and Axiom XL MFDs running on LightHouse 3. The eS & gS Series multifunction displays which have been upgraded to LightHouse 3 are **not** compatible.

Raymarine MFDs need at least LightHouse v3.11 for compatibility, which was released in November 2019.

### 3. Wiring

The MFD needs to be connected to the GX device using ethernet. It is **not** possible to connect over Wi-Fi. For the ethernet connection, a RayNet adapter is required.

The RayNet adapters can be purchased from Raymarine:

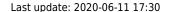
- A62360 RayNet (F) to RJ45 (M) 1m
- A80151 RayNet (F) to RJ45 (M) 3m
- A80159 RayNet (F) to RJ45 (M) 10m
- A80247 RayNet (F) to RJ45 (F) Adapter
- A80513 RayNet male to RJ45 adaptor cable

Connecting a Axiom MFD to a network router lead Is to IP address conflicts, due to the integrated DHCP server.

To connect the GX device to the internet as well, use WiFi

#### 4. Configuration

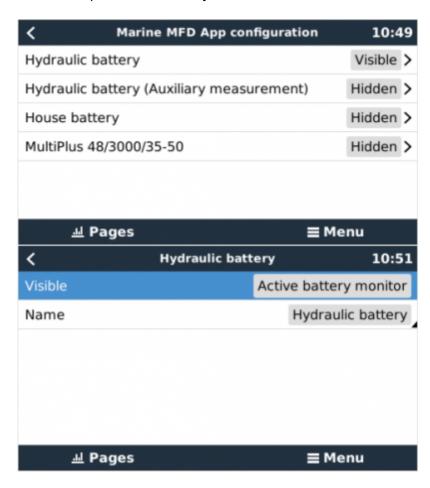
On the Victron GX Device, go to Settings → Services, and there enable both MQTT on LAN (SSL) and





MOTT on LAN (Plaintext).

Next, go to Settings  $\rightarrow$  System Setup  $\rightarrow$  Scroll to the bottom  $\rightarrow$  Marine MFD App configuration. And there set up what batteries you want to see on the MFD; and by what name.



No other settings, such as IP addresses or similar are required, since the Axiom MFDs have an integrated DHCP server.

## 5. Configuring Multiple Battery Measurements

This video explains how to setup multiple battery measurements, and naming them.



## **Video**

## 6. Step by Step



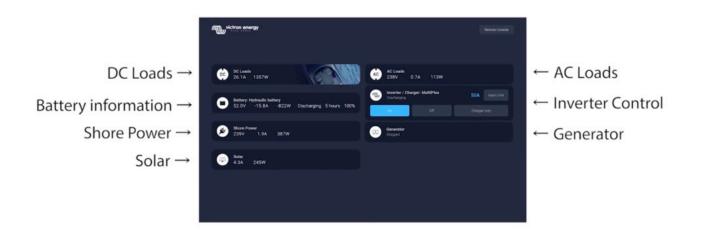


Step 2: Connect RJ45 into Victron
Venus GX, Color Control GX or Octo GX.



Then go to Apps and select the Victron logo.





All information can now be viewed on one screen.





Video

From:

https://www.victronenergy.com/live/ - Victron Energy

Permanent link:

https://www.victronenergy.com/live/venus-os:mfd-raymarine?rev=1591889426

Last update: **2020-06-11 17:30** 

