

Garmin MFD integration

Preliminary manual

1. # Introduction

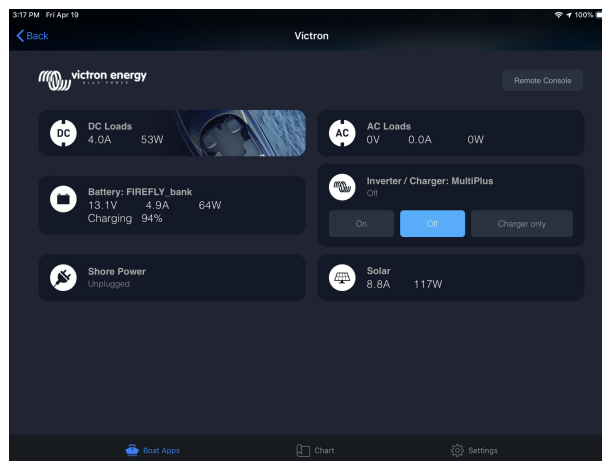
The integration technology used is called Garmin OneHelm.

<https://www.garmin.com/en-US/onehelm>

2. # Compatibility

OneHelm is currently available for the GPSMAP® 8400/8600 MFD series.

Also, Active Captain is supported. This screenshot shows ActiveCaptain, with the Victron App:



3. # Wiring

The Garmin needs to be connected to the [GX device](#) using Ethernet. Its not possible to connect over WiFi. For the ethernet connection, a Garmin adapter is required:

- Marine Network Cables - 6ft - PART NUMBER 010-10550-00
- Marine Network Cables - 20ft - PART NUMBER 010-10551-00
- Marine Network Cables - 40ft - PART NUMBER 010-10552-00
- Marine Network Cables - 500ft - PART NUMBER 010-10647-01

4. # Configuration

4.1. # GX device settings

1. Go to Settings -> Services, and there enable MQTT.
2. Go to Settings -> System Setup -> Scroll to the bottom -> Battery measurements. And there set up what batteries you want to see on the MFD, and by what name. Make sure to check out [this video, which shows how to configure the batteries to be visible on the MFD.](#)
3. For boats; and other applications with DC loads such as lighting and a Battery Monitor installed, make sure to enable the "Has DC system setting". For more information about it; see the [GX Manual](#).

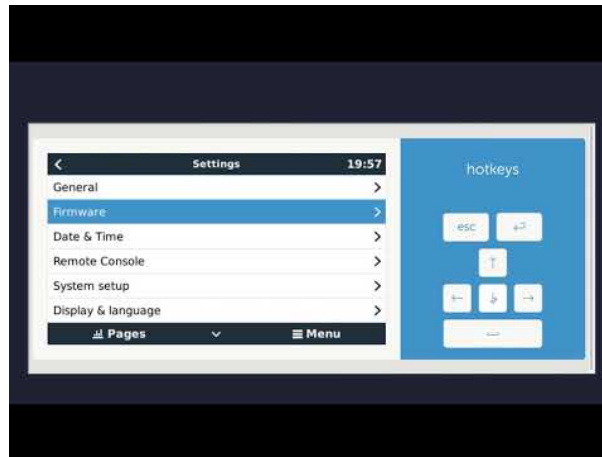
4.2. # Networking

No special networking settings are necessary. Not on the Garmin; and not on the Victron GX Device.

The Garmin MFDs run a DHCP server; and the [GX devices](#) are by default configured to use DHCP. After plugging in the cable, the Victron icon will show up after 10 to 30 seconds.

How to connect to both a Garmin and Internet? That is unclear as of now.

5. # Usage



TBD add screenshots and so forth.