The NAP Panel Project

As received the NAV panel was just the Media player and VHF in a white board. This was ok for a year, but as I started expanding the boat systems it became obvious that I needed to restructure the panel and expand it by adding in AIS receiver, onboard WIFI, RaspberryPi Chart plotter (OpenCPN) and Bluetooth supported media system.

As you can see everything is fitted in the panel now, a few interesting options have been incorporated in to a single system.

There are panel external connections for HDMI Monitor for larger display over the built in 7" touch screen.

USB access ports for the computer

USB Charging ports for crew's devices

The shipboard WIFI network supports distributing direct access to the Chart Plotter from Phones and Pads, streaming media while linking all the on-board instruments and auto Pilot into one seamless mesh.

All that is left is to install the panel back in the boat and connect circuits.