



As we will say time and again – Zoom to specific areas of interest, all the relevant PDF’s for the devices are in this site.

The purpose of this layout drawing is two fold. First to show how complicated boats are becoming to satisfy today’s full spectrum of communication needs.

- Wi-Fi range extending to pick up hot spots from 1 mile away +/-
- Router capability so that Tablets / iPads / Phone can seamlessly use the on-board services
- Cell Phone Range Extender to pull in signals from 40 – 60 miles away on 3 & 4G networks
- Longe range TV reception up to a distance of 50 miles
- PC server to host all onboard data and documentation – like this Web Site / PDF’s / AutoCAD files / Log ...

The second complication is all the antennae required to do the job.

- VHF antenna(s) Main and Mizzen masts - Metz
- SSB antenna using a Main Mast rear backstay

- LW/ MW/SW antenna for entertainment Voice and Music reception, 8' deck mounted - Shakespear
- Longe Range TV antenna, Mizzen Mast mounted - ByOne
- Cell Phone Extender antenna, Mizzen Mast Mounted – Wilson
- Wi-Fi Range Extender antenna, Mizzen Mast mounted – Alpha Products
- AIS 600 antenna, deck mounted at rail – Garmin GA30
- XM Satellite Weather antenna, deck mounted at rail – Garmin GA31
- GPSmap 7215 antenna, deck mounted at rail – Garmin 17x

All the Garmin antenna were received with sufficient cabling for installation. All antenna cable for radio communications is RG58/U low loss. TV antenna cable is RG6. In th PDF's you will find a lot of infromation on the various terminations required.

It goes without saying that the time to add a lot of communication is when the mast may be unstepped / replaced for any reason. It is very difficult but not impossible to add a radio antenna via a Bosun's chair especially if the mast has fish line in place for drawing the coax ththough.