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SBS-3 Firmware L_0108_0000_0114_R_SBS3.kff

AIS Decoding and NMEA output

AIS decoding has been added in this firmware version, and has been tested with third party applications ShipPlotter by COAA.

In order for the SBS-3 to decode AIS messages internally, SDR channel 4 should be set to FM and tuned to 161.975 MHz. This will allow both AIS channels (A and B) to be decoded.

Please note that the squelch level should be set to zero and the SDR channel itself should not be muted (although the audio output can be turned off for the channel on the mixer panel as required).

If stand-alone operation of the SBS-3 is required, the radio settings can be saved in the SBS-3's non-volatile memory using the Internal Radio tab of the Non-volatile Memory Settings menu option in BaseStation. The SBS-3 radio will then be initialised on power-up without the need to run BaseStation.

The SBS-3 acts as an Ethernet server when a TCP socket is opened to the NMEA port with the AIS data output in NMEA format. The default port number is 30007 but this can be changed using the Ethernet tab of the Non-volatile Memory Settings menu option in BaseStation.

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