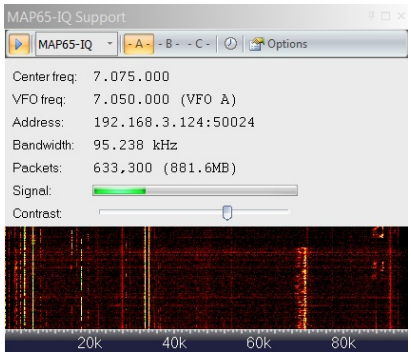
Introduction

Build 447 and higher support MAP65-IQ from Joe Taylor, K1JT. MAP65-IQ is a single polarisation version of MAP65 supporting the JT65A, JT65B and JT65C modes. (MAP65 will be supported with dual NetSDR receivers, Q4 2010.)

SDR-RADIO.com sends complex (IQ) data via a UDP data stream at 95.238kHz to the computer where MAP65-IQ is running. The format of the packets was originally designed by Leif Asbrink in his Linrad program.

The *MAP65-IQ Support* pane is selected from the *Extras* tab in the ribbon bar.

The *MAP65-IQ Support* pane shows the the status of the UDP forwarding, this includes the selected VFO frequency, target address and a small waterfall for the data being sent. The bandwidth is fixed, for MAP65-IQ it *must* be 95,238Hz.



In the SDR-RADIO.com console:

- Press *Options* to select the IP Address of the computer where MAP65-IQ is running and the Port number assigned to MAP65-IQ (usually 50024). If you enter localhost or 127.0.0.1 as the address it will be replaced with the name of the local computer.
- Start a local RFspace radio (not a soundcard-based radio). You cannot use this option with a remote connection.
- Set a VFO to the center frequency of the 95kHz data spectrum to be sent to MAP65-IQ, for example on 20m 14.070.000.
- Make sure the same VFO is selected in the toolbar above,
- Press the *Play* button.

In MAP65-IQ:

- Make sure *Input data unicast* is checked in the *Setup* menu.
- Select *Options* from the *Setup* menu and set *FCal (Hz)* to 0 (no offset).

After a few minutes you should see entries in the Messages window of MAP65-IQ. The screenshot below shows the result of two hours' monitoring on 20m.