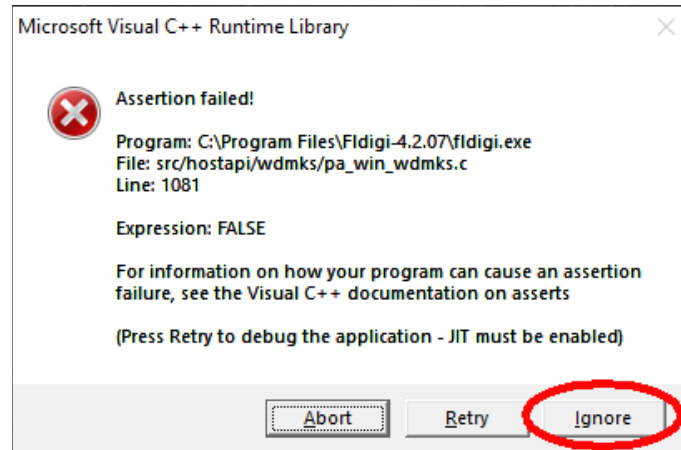


Decoding the Morse beacon using *Fldigi*

Download and install *Fldigi*

Get the Windows version from here: https://www.w1hkj.org/files/fldigi/fldigi-4.2.07_setup.exe

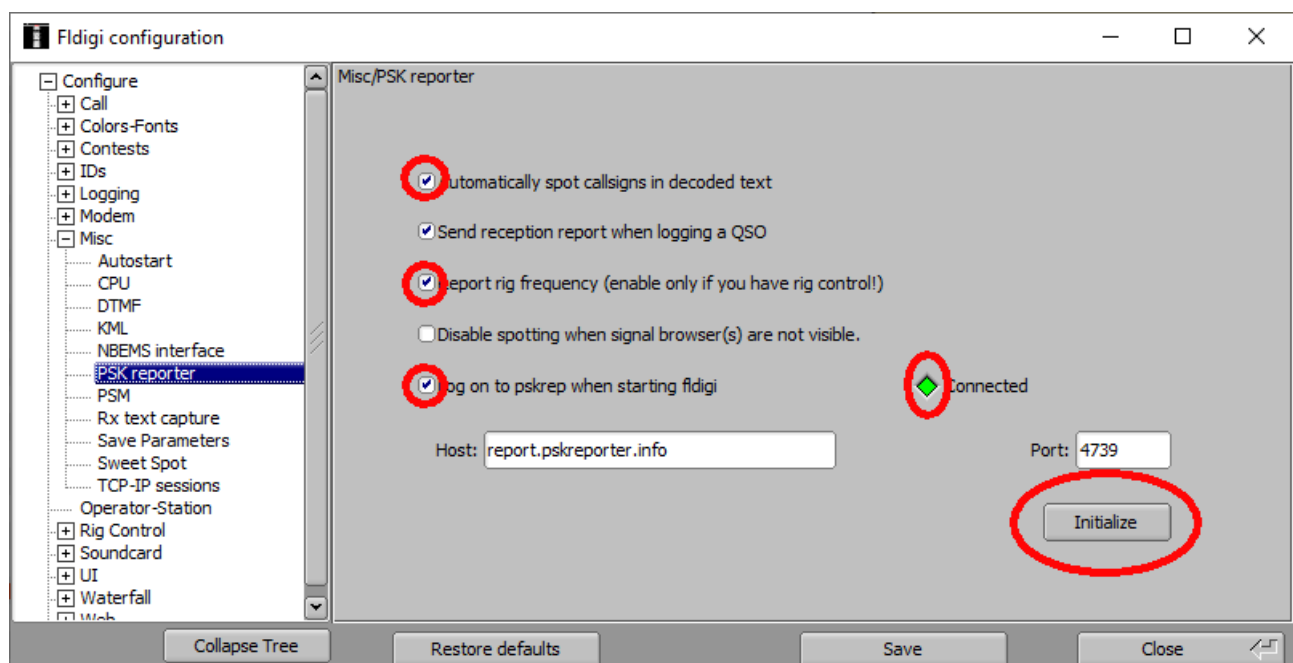
Once installed, you should be able to ignore any “Assertion Failed” error on starting-up *Fldigi*



On the first run, enter your callsign and location (**Configure..Call** menu)

The auxiliary program *Flrig* can be used to interface to the transceiver’s **CAT** interface. You can then set *Fldigi* (**Configure..Misc..Autostart**) to open the *Flrig* automatically.

Then enable *PSK Reporter* from **Configure..Misc..PSK Reporter** and check **Automatically spot callsigns** and **Report rig frequency (if Flrig is connected)** and **Log on**, then **Initialise**.



Finally, turn on the **Spot** button on the main task-bar.

Connect to the radio

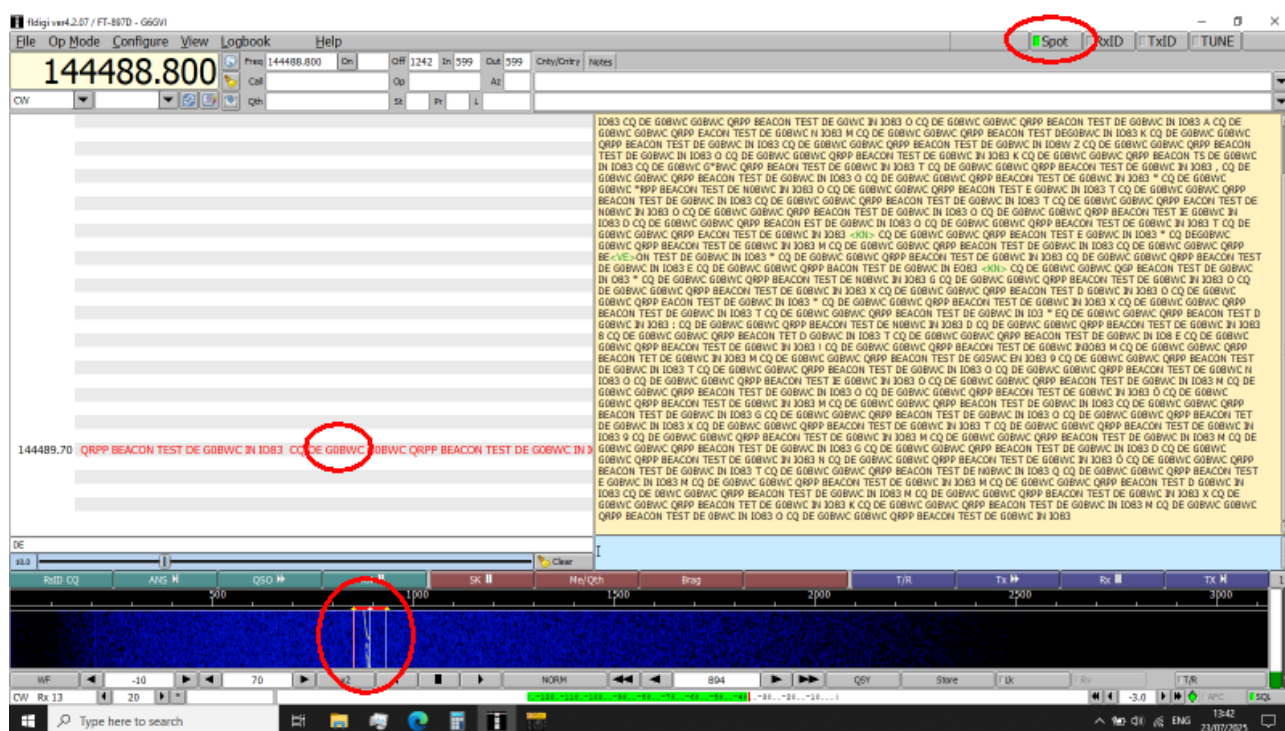
Tune into the beacon's signal using **USB** mode – its oscillator frequency is only based on a crystal (not TCXO), thus it may drift a few hundreds of Hertz with temperature changes and so a wider receive bandwidth will be advantageous. But if the signal is very weak, try the CW filter in your receiver, although then you may have to chase it back and forth around the channel!

Connect an audio lead from radio's "DIG" to PC sound-card, or use the receiver's internal USB audio, if available. Then select the appropriate soundcard and set levels in *Fldigi*.

Decode the Morse

Select CW decoding in *Fldigi*, then the Signal Browser panel will show all Morse signals on horizontal lines (like a *CW Skimmer*). If you set the search field (at the bottom) to " DE " (with leading and trailing spaces) – this should pick out **in red** all lines with callsigns, including the beacon.

You can also find the beacon signal as a vertical stripe in the Waterfall and position the cursor over it – then it should decode in the main Receive panel too.



Check the PSK Reporter

Click on the "Spot" icon in the upper task-bar. It should then post details of all callsigns decoded in the Signal Browser onto the [PSK Reporter site](https://www.psk-reporter.com/) (but it may take a few minutes for them to appear on the web-page).