Installing your WSPR Beacon Transmitter
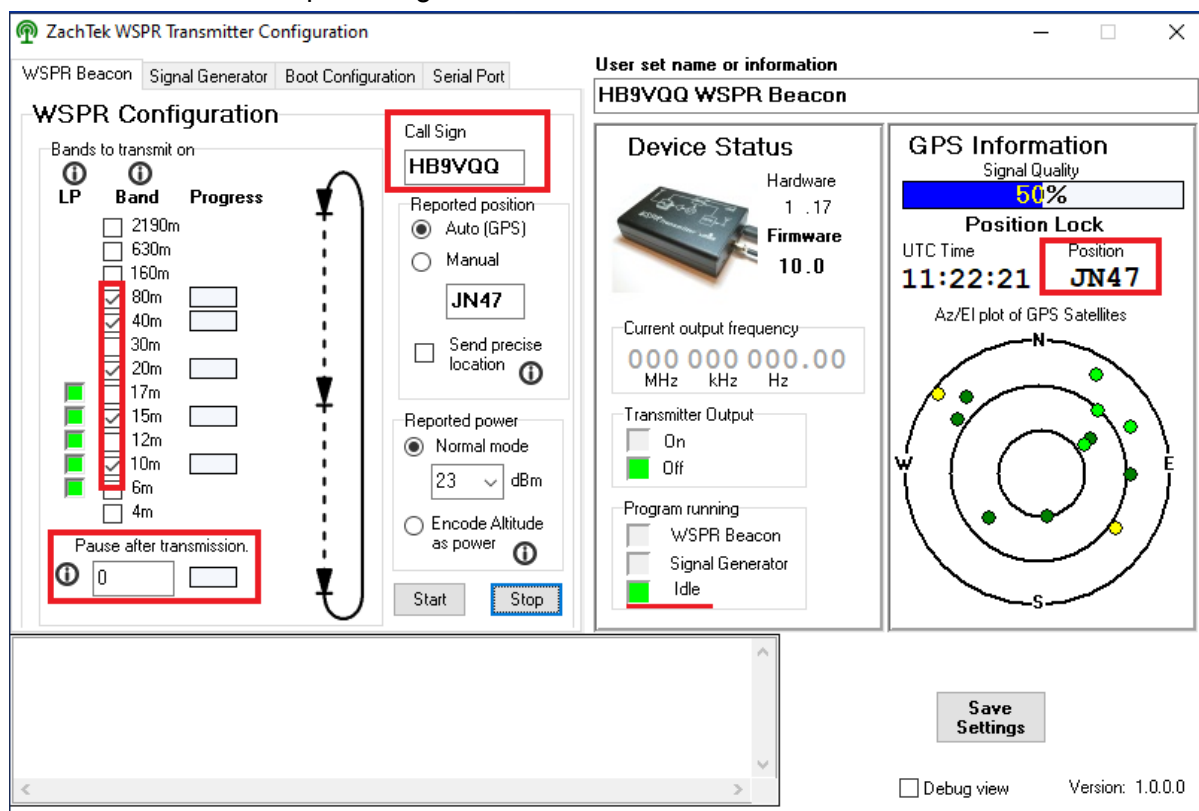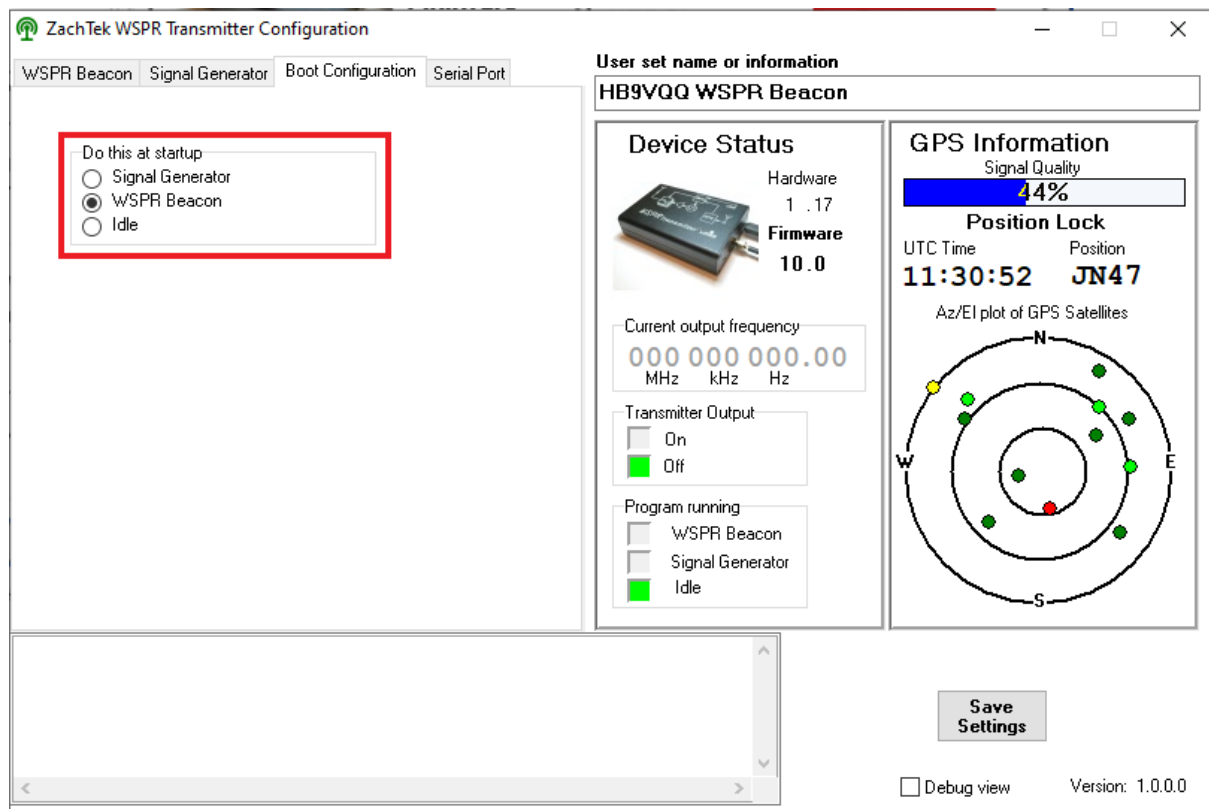
To configure your Transmitter follow these steps:

1. Download and install the PC Software
2. Disconnect GPS Antenna from the device for now
3. Connect USB cable to the WSPR device
4. Connect USB cable to PC
5. Start PC Software and connect to the correct USB Port
6. Configure your Call Sign
7. Enable Bands you want to transmit on. Preferrable 80,40,20,15 and 10m
8. Make sure Running Mode is idle
9. Make sure "Pause after transmission" is set to 0
10. Click on "Save Settings"
11. Connect GPS Antenna to the Device
12. Place GPS Antenna under clear sky
13. Wait until a valid GPS Position lock is established and your Locator is displayed

Screenshot of an example configuration

Now the last step is to enable WSPR Beacon Mode when the Transmitter boots up. Change to the "Boot Configuration" tab. Select "Beacon Mode" and click "Save Settings"

Caution: The Beacon is armed now. Upon the next start/reboot of the device, it will automatically commence transmitting according to the Transmit schedule. Don't forget to connect an Antenna or a Dummy Load before the next reboot/start of the Beacon. Otherwise, you will destroy the Transmitter.

This is the transmit schedule which is hardcoded into the Firmware of the WSPR Beacon

Band:	160	80	60	40	30	20	17	15	12	10
UTC minute:	00	02	04	06	08	10	12	14	16	18
	20	22	24	26	28	30	32	34	36	38
	40	42	44	46	48	50	52	54	56	58

Your WSPR Beacon is now ready to roll, you are all set. Here are some additional Infos:

- The Beacon will not TX without a valid GPS Signal
- The Beacon will only Transmit on the Bands you have enabled
- After starting/rebooting the Beacon it will wait to start to TX on the scheduled Minutes of the lowest enabled Band. So for example, if your lowest Band is 80m the Beacon will start to TX on Minute 02,22, and 42. So be Patient
- When the Beacon is transmitting the RED LED will be ON, indicating TX

Now have Fun and thanks for being Part of the Intl. WSPR Beacon Project !

73
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https://github.com/HB9VQQ/WSPRBeacon