

The purpose of the dev_set program is to simplify setting the FreeTrak transmit deviation to about 3 kHz.

To use this utility, program the PIC16F628A with the dev_set628A.hex file.

Install it into the FreeTrak and connect it to the radio. The GPS isn't required.

Turn the radio and FreeTrak on then install the configure jumper.

The LED will flash, the radio should key and the 1200/2200 Hz tones will alternate. Adjust the level as you would a tnc.

If you don't have access to a deviation meter, slowly increase the pot until the tones stop getting louder on a monitoring receiver then back off until noticeably quieter. This should approximate the proper levels.

Remove the dev_set PIC, reprogram with the FreeTrak hex file and reinstall.

See the readme file for instructions to configure the FreeTrak next.