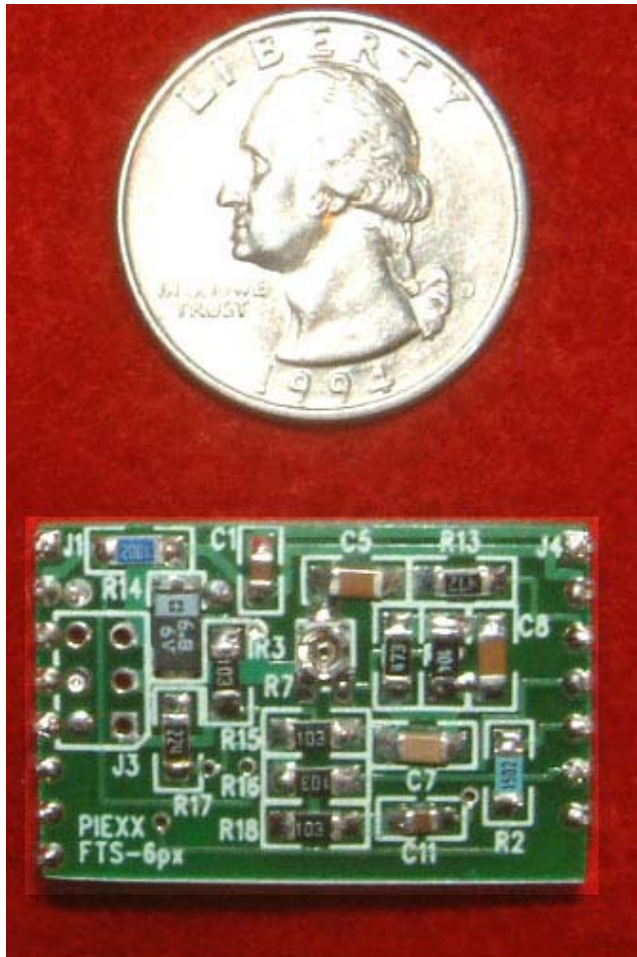




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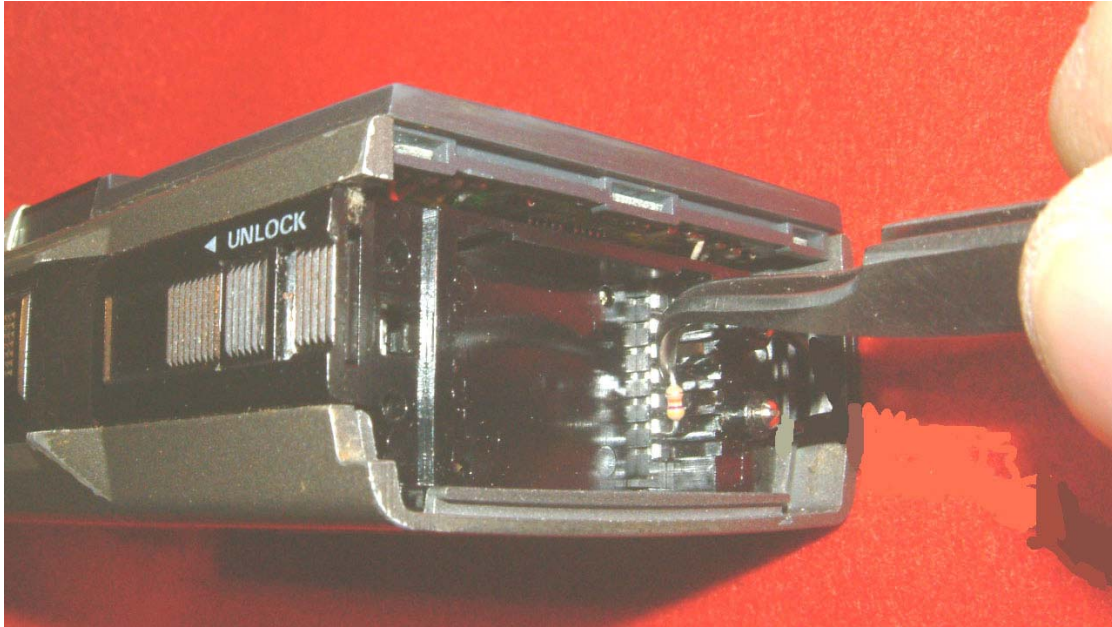
PIEXX FTS-6px Installation Instructions



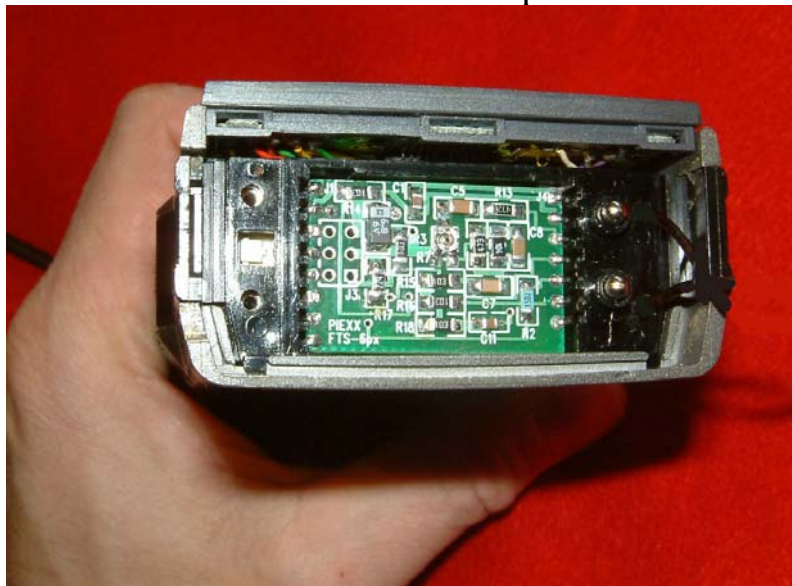
The PIEXX FTS-6px is an exact physical replacement and electrically equivalent to the original Yaesu FT6-8 tone encoder / decoder. As such, you may, and should, follow the original installation instructions that were provided with your transceiver pertaining to the installation of this option. In general, any jumper wires or jumper resistors that were originally installed in the connectors associated with the FTS-6 should be removed. The FTS-6px module will replace the functionality of these removed components. As an example of a typical installation, shown below is the installation of the FTS-6px in a FT-709R transceiver.

Note: the pot on the FTS-6px is used for setting the transmit deviation of the CTCSS tone. This pot is preset at the factory to provide approximately .5 KHz of deviation.

1. Remove the soft case, if used, from your transceiver. Remove the battery pack.
2. Remove the four mounting screws that secure the battery mounting track (the FT-727R has just two screws). Remove the track.
3. Remove the 27K 1/8 watt resistor that is plugged into the socket you just exposed on the bottom of the transceiver. This resistor provided continuity in the audio path that will now be provided by the FTS-6px.



4. Make sure that the pins on the FTS-6px are straight and position the board into the cavity at the base of the transceiver. Notice that there are seven pins on one side and eight on the other. Make sure that you insert the FTS-6px with the eight-pin header aligned with the side that has the eight socket pins. Gently press the FTS-6px into place. When the FTS-6px is fully inserted, the components on the board will be flush or below the surface of the black plastic inner cover.



5. Complete the installation by reinstalling the battery mounting track and battery pack.

Operation

- 1) To select a tone frequency, for either encode or decode purposes, refer to the tone chart to determine the appropriate tone code value for the desired CTCSS tone frequency. Enter the tone code value by pressing the 2 digits of the tone code, for example **0** then **7** for 100.0 Hz, then press **F** then **T SET** to select the desired tone code. The T SET entry is the Function associated with the 6 button.
- 2) Once a tone code has been selected you can turn on the tone encoder by pressing **F** followed by **ENC** (+ 8). To turn off the encoder press **F** followed by **T OFF** (button 0).
- 3) To turn on the tone decoder, this is the tone squelch mode, press **F** then **T SQ** (button 5). To turn off the decoder, and encoder as well, press **F** followed by **T OFF** (button 0). Whenever the tone decoder is turned on, the tone encoder is also turned on. However, you can turn on the tone encoder without the tone squelch, decoder, being enabled.

Pressing the **T OFF** button, **F** followed by **T OFF** (button 0), turns off **both** the tone encoder as well as the tone decoder functions.

If the tone decoder is turned on the word **TONE** will be displayed in the upper right corner of the LCD display while in the receive mode. If the tone encoder is turned on, the word **TONE** will be displayed in the upper right corner of the LCD display while transmitting.

Code	Tone	Code	Tone	Code	Tone	Code	Tone
01	67.0	12	118.8	23	173.8	34	67.0
02	71.9	13	123.0	24	177.9	35	71.9
03	77.0	14	127.3	25	186.2	36	74.4
04	82.5	15	131.8	26	192.8	37	77.0
05	88.5	16	136.5	27	203.5	38	79.7
06	94.8	17	141.3	28	210.7	39	82.5
07	100.0	18	146.2	29	218.1	40	85.4
08	103.5	19	151.4	30	225.7	41	88.5
09	107.2	20	156.7	31	233.6	42	91.5
10	110.9	21	162.2	32	241.8		
11	114.8	22	167.9	33	250.3		