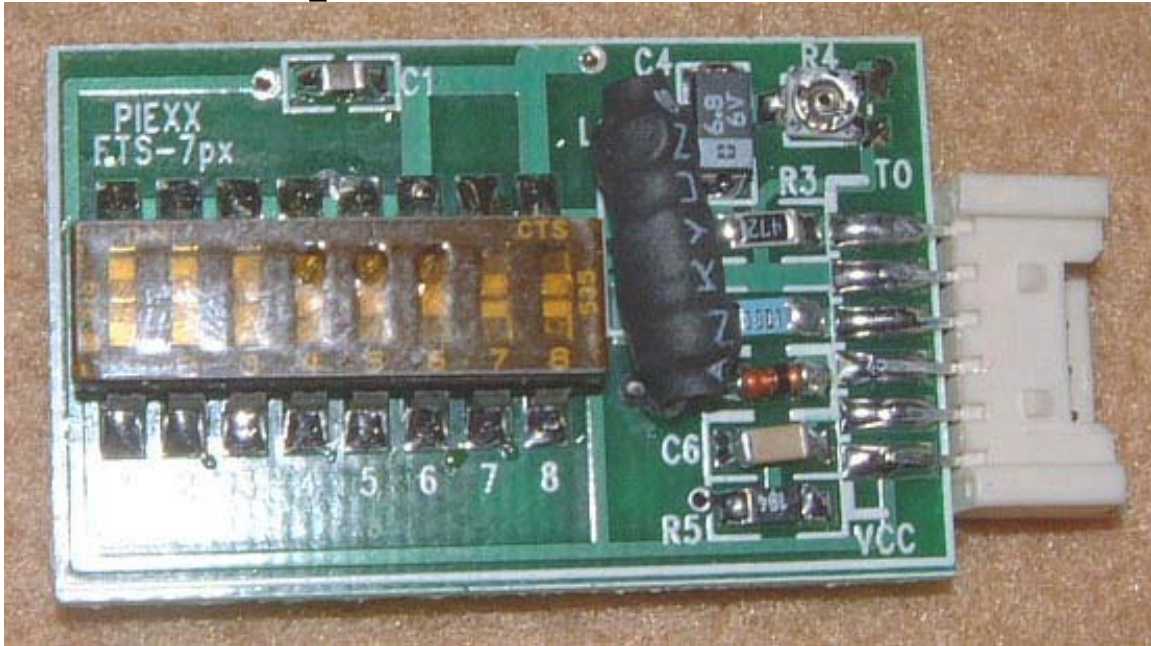


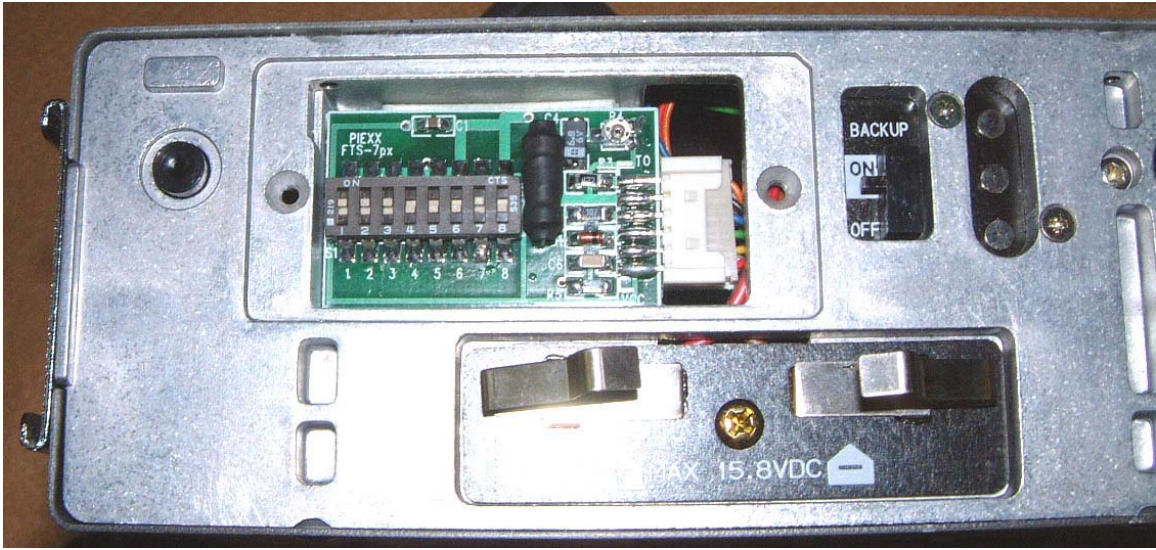
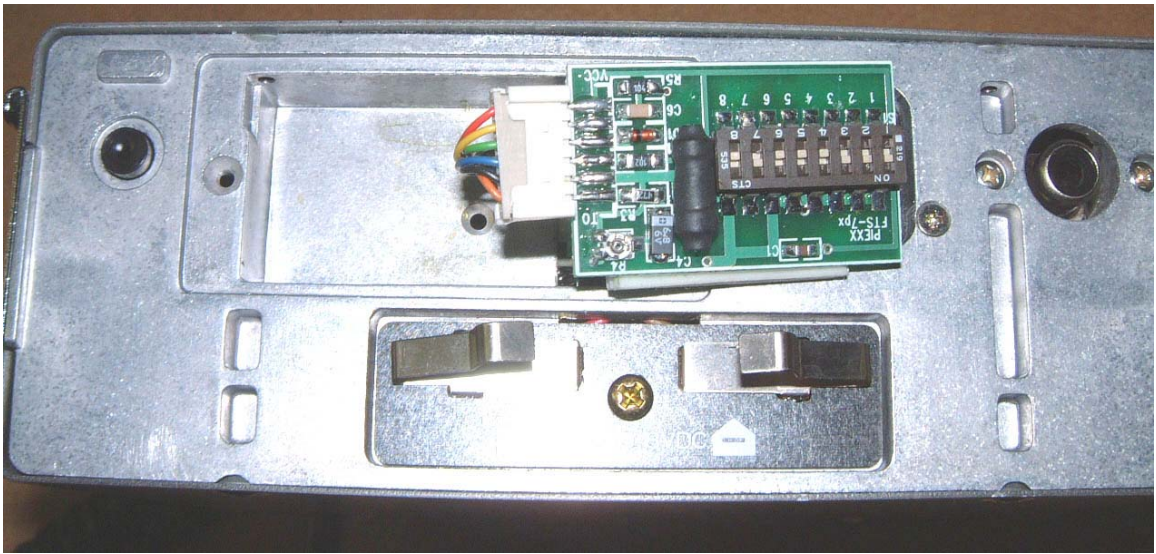
FTS-7apx Tone Encoder / Decoder



If you missed out on the tone encoder decoder option when you bought your FT-290RII, FT-690RII or FT-790RII, now it is possible to get that feature! The PIEXX FTS-7apx is an exact functional and physical replacement for the original. Just plug it in and go.

Installation-

1. Remove the battery pack or amplifier on the rear of your transceiver.
2. Remove the two screws securing the Tone Unit cover plate on the back of your transceiver.
3. Set the dip switches on your FTS-7apx to select the desired tone as indicated in the table at the end of this document. Please note that switch 7 enables the tone squelch, for receive, when it is in the on position. Switch 8 is unused and can be in either position.
4. Slide the white plastic cable connector into the mating connector on the FTS-7apx. Notice that the connector is keyed by offset in the position of the pins.
5. Peel the backing paper from the double-sided tape mounted to the bottom of the FTS-7apx. Attach the FTS-7apx in the tone unit compartment as shown in the photo.
6. Replace the Tone unit cover that you removed in step 2 with the screw you removed in that step. Replace the battery pack or amplifier.



Tone Dip Switch Settings

Tone	SW1	SW2	SW3	SW4	SW5	SW6
Tone Off	0	0	0	0	0	0
67.0 Hz	1	0	0	0	0	0
71.9 Hz	0	1	0	0	0	0
74.4 Hz	0	0	1	0	0	1
77.0 Hz	1	1	0	0	0	0
79.7 Hz	0	1	1	0	0	1
82.5 Hz	0	0	1	0	0	0
85.4 Hz	0	0	0	1	0	1
88.5 Hz	1	0	1	0	0	0
91.5 Hz	0	1	0	1	0	1
94.8 Hz	0	1	1	0	0	0
100.0 Hz	1	1	1	0	0	0
103.5 Hz	0	0	0	1	0	0
107.2 Hz	1	0	0	1	0	0
110.9 Hz	0	1	0	1	0	0
114.8 Hz	1	1	0	1	0	0
118.8 Hz	0	0	1	1	0	0
123.0 Hz	1	0	1	1	0	0
127.3 Hz	0	1	1	1	0	0
131.8 Hz	1	1	1	1	0	0
Tone	SW1	SW2	SW3	SW4	SW5	SW6
136.5 Hz	0	0	0	0	1	0
141.3 Hz	1	0	0	0	1	0
146.2 Hz	0	1	0	0	1	0
151.4 Hz	1	1	0	0	1	0
156.7 Hz	0	0	1	0	1	0
162.2 Hz	1	0	1	0	1	0
167.9 Hz	0	1	1	0	1	0
173.8 Hz	1	1	1	0	1	0
179.9 Hz	0	0	0	1	1	0
186.2 Hz	1	0	0	1	1	0
192.8 Hz	0	1	0	1	1	0
203.5 Hz	1	1	0	1	1	0
210.7 Hz	0	0	1	1	1	0
218.1 Hz	1	0	1	1	1	0
225.7 Hz	0	1	1	1	1	0
233.6 Hz	1	1	1	1	1	0
241.8 Hz	0	0	0	0	0	1
250.3 Hz	1	0	0	0	0	1
Tone	SW1	SW2	SW3	SW4	SW5	SW6

A 1 in the table indicates that the switch is in the ON position.

Dip Switch 7 enables the tone squelch (receive) when it is in the on position. When switch 7 is off, the FTS-7apx functions as an encoder only.

Dip Switch 8 is unused and can be in either position.