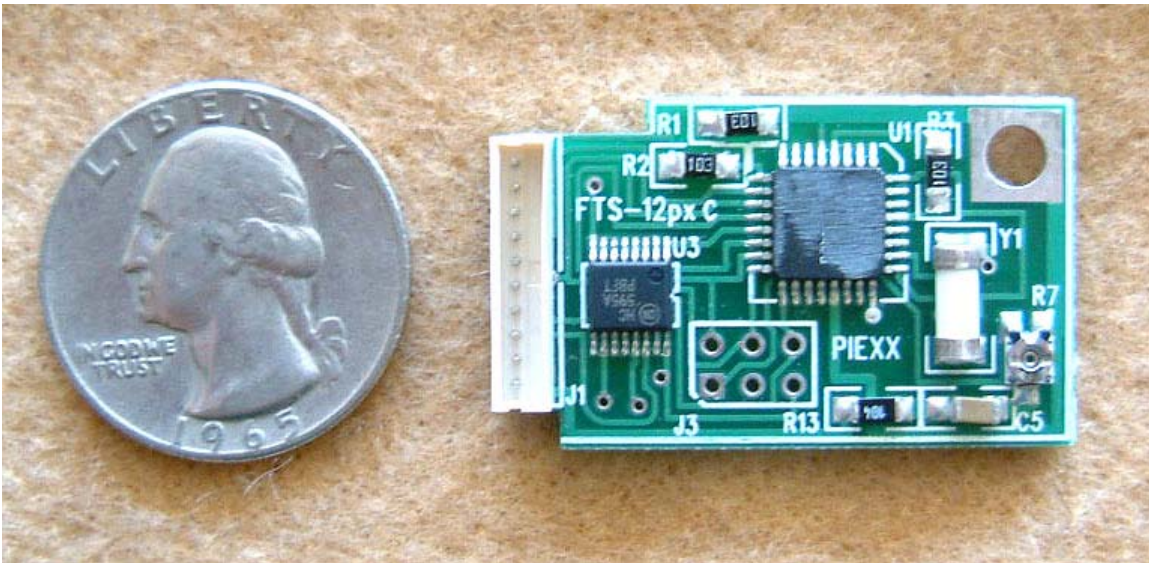




**PIEXX Co.**  
13 Main Street  
PO Box 123  
Hillsboro, NH 03244  
(603) 464-5411  
www.piexx.com

## **PIEXX FTS-12px Installation Instructions**



The PIEXX FTS-12px is an exact physical replacement and electrically equivalent to the original Yaesu FTS-12 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-12 should be removed. The FTS-12px module will replace the functionality of these removed components. As an example of a typical installation, shown below is the installation of the FTS-12px in a FT-211RH dual band transceiver.

**Note:** the pot on the FTS-12px 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 bottom cover of your FT-211RH transceiver.
2. Locate the unconnected 11 pin brown connector at the front right corner of the main board directly behind the encoder tuning knob. Align and install this connector on J1 of the FTS-12px board. When you check the alignment of the connector, notice that the pins are closer to one side than the other. This provides the 'keying' of the connector.



3. Use double-sided adhesive tape to attach the FTS-12px to the side chassis of the transceiver. The FT-211RH came equipped with a piece of double stick tape in the appropriate spot ready for FTS-12 installation.
4. Locate the 27K resistor mounted on the FT-211RH main board just below where the FTS-12px is mounted. Cut one leg of this resistor. If you remove the FTS-12px, you will need to reconnect this resistor.



FTS-12px installed in radio. Note the cut 27K resistor.

5. Complete the installation by reinstalling the FT-211RHs bottom cover.