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TU-3PX Tone Encoder

If you missed out on the tone encoder when you bought your TM-201 or TM-401, now it is possible to get that feature! The PIEXX TU-3PX is an exact functional and physical replacement for the original. Just plug it in and go.



Installation

1. Refer to the Tone Jumper Table and set the Tone 1 and Tone 2 jumpers to select the appropriate tones for your installation. Tone 1 will be selected when the COM mode is selected on your transceiver, otherwise Tone 2 will be used. If the table shows a 1, then you will install a jumper on that location. A 0 in the table indicates that no jumper should be installed on that location. In the photo above, Tone 1 is set to 100.0 Hz. And Tone 2 is set to 85.4 Hz.
2. Remove the top cover of your transceiver. You will need to loosen the screws on the side rails as well as removing the 2 screws on the top.
3. Locate the loose 5-pin cable/connector in the front right of the radio. This cable should be installed on the 5-pin header marked J4 on the TU-3px. The orientation of the connector is important. Make sure that the smooth side of the connector, the side without the pin numbers, is facing the inside of the board as shown in the picture above.
4. Peel the cover sheet from the double stick tape on the bottom of the TU-3px and affix the board on the chassis as shown in the picture.
5. Reinstall the top cover of your transceiver.

Tone Jumper Settings

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

100.0 Hz	0	0	1	1	0	0
Tone	SW6	SW5	SW4	SW3	SW2	SW1

A 1 in the table indicates that a jumper is installed in the indicated position.