PX-777 Operation Guide

The Puxing PX-777 is an excellent, inexpensive handheld radio. The English-language documentation provided by the manufacturer, however, has considerable room for improvement. This guide covers the basics of using the PX-777 in a more understandable format.

Introductory Notes

When placing the radio in its charging stand, be sure that it's inserted straight and that the battery touches the charging contacts properly. It's possible to misalign the radio, which will cause it to fail to charge. You can remove the battery from the radio and charge it separately – not only is this useful for charging spare batteries, but it makes it easy to see how the battery should fit in the charger.

1 – On/Off and Volume
2 – Selector knob
3 – PTT button
4 – Monitor button
5 – Call button
6 – Speaker/mic jack

The PX-777 has a channel mode with a self-programming feature similar to that found on many commercial radios. This guide addresses only the PX-777's memory / VFO mode, which resembles that of most modern amateur radios.

Programming

1   Turn on the radio. If you see a channel name like 'CH-001', you're in channel mode. Turn the radio off, hold down <u>ENTER</u>, and turn it back on. You should now see a frequency display.

2   If there is a 2-digit number displayed under the battery indicator, you're in memory mode. Press the <u>VFO/MR</u> button to select <u>VFO</u> mode.

3   Enter Receive frequency from keyboard (all six numbers – no decimal points) or by turning selector knob.

4   For repeater operation, enter offset (positive, negative, or none) by pressing <u>MENU</u> and then <u>*LOCK</u>. Select offset (-, +, or 0) by turning selector knob. Press <u>ENTER</u> to save your selection. Press <u>VFO/MR</u> twice to get back to the frequency display.

5   The default repeater split setting may be wrong, so be sure to check it – press <u>MENU</u> and use the selector knob to select <u>DIFFR?</u> #14 and press <u>ENTER</u>. Use the selector knob or keyboard to select the repeater split. For the 2-meter band in North America, this should be 0.600 MHz.

6   Enter <u>receiving</u> CTCSS tone by pressing <u>MENU</u> and then <u>ENTER</u>. Turn the selector knob until <u>R-CDC?</u> #15 is displayed. Turn the selector knob until you see the frequency you want and press <u>ENTER</u>. Select <u>OFF</u> for normal repeater operation.

7   Enter <u>transmit</u> CTCSS tone by pressing <u>MENU</u> and then <u>ENTER</u>. Turn the selector knob until <u>T-CDC?</u> #16 is displayed. Turn the selector knob until you see the frequency that you want and press <u>ENTER</u>.

8   For <u>power selection</u> press <u>MENU</u> and then <u>4 POWER</u>. Select H for high or L for low power and press <u>ENTER</u> to save your selection.

9   To save frequency to memory press <u>MENU</u> and then <u>VFO/MR</u>. A channel number will flash on the right side of the display. Turn the selector knob to select the channel to save to, or enter the channel number from the keyboard and press <u>VFO/MR</u> to save.

Scanning

To start scanning, press <u>MENU</u> and then <u>1 SCAN</u>. To stop scanning, press <u>ENTER</u> or PTT. If the radio is in memory mode, it will scan memory channels. If it's in VFO mode, it will start scanning at the currently selected frequency.

Other Functions

Reverse – Holding down the <u># T-R</u> button for two seconds will put the radio into reverse mode, indicated by an 'R' on the display. This temporarily reverses the transmit and receive frequencies used, which can be useful for bypassing the repeater when calling another station – for example, one that is within simplex range but is out of range of the repeater.

DTMF – The number, *, and # buttons send the corresponding DTMF tones while transmitting. To send the DTMF tones for A, B, C, and D, use buttons <u>MENU</u>, <u>ENTER</u>, <u>VFO/MR</u>, and CALL respectively.

Access to most other functions is through the <u>MENU</u> key. Press <u>MENU</u> and use the selector knob to choose a menu item. <u>ENTER</u> selects the item and saves selections, and <u>VFO/MR</u> cancels or exits.