Front Panel Programming of the IC-F30GT and IC-F40GT

Dealer Mode

1. <u>Entering Dealer Mode</u> - Press both the **P0** and **#** buttons while turning on the radio. This will give a display of "DEALER". Enter the 6 digit Dealer Passcode. The default passcode is "159357". If successful, the display changes to "SETMODE". If unsuccessful, the display does not change, and the unit must be turned off and on to try again. The unit will not function as a radio in *Set Mode*. While the display shows "SETMODE", pressing **P0** puts the unit into programming mode, showing "ch01".

2 <u>Channel selection</u> - Press **P3**, and the channel number then flashes. Use the **UP** and **DOWN** keys (the two keys below the PTT) to set the channel number. If the radio is in a Bank mode, the bank number will appear at the upper left, and the bank can be changed with the **P1** key while the channel number is flashing. Press **P3** again when the correct bank and channel number is showing.

3 <u>Channel programming</u>
The **UP** and **DOWN** keys cycle the display through the various channel settings for the selected channel, such as:

Function	Setting	Options (changed by **P2**)
channel	ch01	normal, or CH INHIBIT
receive	RX 154.10000	RX OFF or a frequency
transmit	TX 154.10000	TX INHIBIT or a frequency
rx tone	RX 67.0 Hz	RX xx.x Hz, RX xxxN or RX CTONE OFF
tx tone	TX 123.0 Hz	TX xx.x Hz, TX xxxN or TX CTONE OFF

 - The above values are typical.
 - To program a channel, select a setting using the **UP** and **DOWN** keys, then press **P2** to change to the desired option if necessary. **WARNING!** If you press **P2** with a frequency or tone showing, the information will usually be discarded as you press **P2**. If you had a frequency or tone and cycle back to it with **P2**, it will be gone. Frequencies will be reset to all zeros, and CTCSS will be reset to 67.0.
 - While the receive frequency entry is showing and not flashing, you can toggle the channel between wide and narrow using the **P3** button. There is an N or W on the right end of the upper line telling you the bandwidth of that channel.
 - For the receive and transmit frequencies, you start with the old number and nothing flashes until you enter the first number. Enter the desired frequency, as 6 digits, adding zeros on the end if necessary, e.g. 154100. After the 6th digit, the radio will give a longer beep, and the new frequency will be locked in. If the frequency has a seventh digit, it will be put in for you by the radio, e.g. for

This mode deals with the settings of the LCD display contrast, display backlighting, beep, and squelch. No password is required for this mode.

Entering NON-SET MODE - Press both the UP and DOWN buttons while turning on the radio. After briefly showing the message "SEtmOdE", the radio will function normally. The P0 to P3 buttons now have new functions not related to their usual assigned functions.

The P0 button is used to set the LCD display contrast. Press the P0 button to toggle the radio between LC LOW and LC AUt, meaning low contrast and automatic contrast, the usual setting.

The P1 button toggles the beeps on and off. (This does not affect all beeps. Warning beeps still remain.)

The P2 button toggles the display between backlight on, off and auto, which is the usual setting.

The P3 button is used to set the squelch level. While NOT listening to a signal, press P3. The display will show SQ xx where xx is a number from 0 to 255. Using the Up and Down buttons, set the squelch as desired. Press the P3 button again to finish. It is wise to add an additional 10 or so to the number above the threshold point, as the steps are very small. A value of 255 gives a threshold of around 0.4 μV.

Turn the unit off to exit the NON-SET MODE. This is advisable, otherwise you do not have access to the usual functions of P0 to P3.