

Front Panel Programming for the IC- F520 / F620

Set Mode

Set Mode allows changing of channel programming parameters for the channel receive and transmit frequencies as well as sub-audible tones.

Other parameters such as text label, etc must be done via the programming software.

Set Mode also allows the cloning from one radio to the other using the cloning cable. This will copy all the programming information and makes the second radio an exact copy of the first.

A 6 digit password is required to enter the set mode, which can be set at the "Dealer Passcode" entry in the common screen of the programming software.

If it is required to inhibit the front panel programming feature, set the "Set Mode Access" entry to "Inhibit"

To prevent data being cloned from the radio either via the programming software or by cloning, then set the "Transceiver Data Out" to "Inhibit".

1. Entering Set Mode

Press Both the **P0** and right hand side **UP** buttons while turning on the radio. This will give the display of "DEALER" Enter the 6 digit password using the chart below.

Key	P0	P1	P2	P3	P4	
Number	0, 5	1, 6	2, 7	3, 8	4, 9	A, P0, P4, P3, P0, P2

The Default password is "159357". If successful, the display changes to "SETMODE" If unsuccessful the display stays the same and the radio will need to be switched off and back on again.

2. Entering Clone Mode

With the display showing "SETMODE" press **P3** to enter clone mode. The display should change to "CLONE". This will be your Master radio, connect the two radios together with the clone cable. Switch on the slave radio. Momentarily press the on/off switch on the Master to start cloning. To program another radio, connect radios together and momentarily press ON/off on Master radio. Once finished cloning, switch off all radios to exit clone mode.

3. Programming Mode

With the display showing "SETMODE" press either "**P0** or **P1**" to enter programming mode. The display will change and show the bank number and channel number e.g. "1 ch 01".

3.1 Channel Selection

Press **P3**, and the channel number then flashes.

Use the UP and Down keys to select the channel number. If the radio is in Bank mode then with the channel number flashing use **P1** to select the bank, press **P3** once the correct bank and channel are selected.

3.2 Channel Programming

The UP and DOWN keys cycle the display through the various channel settings:

Function	Setting	Options
Channel	1 ch 01	normal, or channel inhibited (shows * after #)
Receive	155,5000	OFF or a frequency, W or N(shows down arrow)
Transmit	155,5000	TX Inhibit, or frequency (shows up arrow)
RX Tone	RC 1230	RC(CTCSS), RD (DPL), RC OFF
TX Tone	TC 1230	TC (CTCSS), RD (DPL), TC OFF

The above values are typical.

Transmit and Receive can be distinguished by the arrow in the box in the upper portion of the LCD.

Receive has an arrow pointing Down and Transmit has an arrow pointing UP.

To Program a frequency, select either the Rx or Tx portion by using the UP / Down keys,

Press **P3** key and the first digit will flash, again using UP/Down keys select the correct digit, once you have the correct digit press **P3** again for the next digit, carry on with this procedure until the frequency is set.

NOTE: While programming the Tx channel if you press **P2** this will inhibit the TX side of the channel. While programming the Rx channel if you Press **P2** this will either switch ON or switch OFF the channel.

To Program a tone for the channel use the UP/Down keys to select the tone portion either RC or TC.

Use **P2** to toggle between Tone, DPL or OFF.

Use **P3** to select the tone (the number will flash) when accessing Tone use the up/down keys, When accessing DPL use P# and the Up/Down keys to select each individual part of the number. (note that there is no decimal point for the tone setting therefore 123.0 is displayed as 1230)

P1 will be used to change between normal and inverse