

## Front Panel Programming for the F3021/F4021 Radio

### What You Will Need

- OPC-478 Cloning Cable
- Cloning Software
- Squelch Setting Entered in Cloning Software
- Frequencies Entered in Cloning Software

### Enabling the Radio

1. Connect the OPC-478 cloning cable and ***read the radio.***
2. In the Cloning software, navigate to Maker reserve -> Set Mode Access. Set to Enable. Once this has been enabled, the field in step 2 (following) will appear in the cloning software.
3. Navigate to Common -> Common -> Security -> Set Mode Access. Set to Enable.
4. Write to the radio.
5. Turn off the radio.

### Selecting Set Mode and Channel

1. Press and hold P0 and # (on the keypad) and turn on the radio. The display shows DEALER.
2. Enter in the Dealer Password (shown in Common -> Common -> Security -> Dealer Passcode). The numbers will not appear on the display. The display shows SETMODE.
3. Press P0. The display shows 1 CH00 1.
4. Press P3. This allows you to enable channel change (001 Blinks).
5. Press P1 to if you want to change zones (banks).
6. Press the Up/Down keys to scroll through the channels and select a channel. (Side buttons below PTT.)
7. Press P3 to select the channel you want to edit (Channel stops blinking).
8. Press the up/down keys to scroll through the parameters you can change for that channel:
  - 9-digit number (with lightning bolt pointing down and to the right, for receive frequency)
  - 9-digit number (with lightning bolt pointing up and to the right, for transmit frequency)
  - RC 1000 (RX tone)
  - TC 1000 (TX tone)
  - Alphanumeric text, if you want to rename the channel (shows blank as default).

Once you have selected a channel, you can change the functions described in the following paragraphs.

#### Frequency

1. Press the up/down key to select an RX or TX frequency.
2. Press P3 to edit (the first digit will flash).
3. To change characters, use the up/down keys or the keypad. (For letters, press the keypad more than once to access the letters assigned to that key.)
4. Press P3 again to move down to another digit.
5. When finished, press P3 until the digits are flashing.
6. Press the up/down keys to move to the next function or channel.

#### Tone

1. Press the up/down key to select RX or TX tone.
2. Press P2 to select CTCSS tones, DCS tones, or OFF.
3. Press P3 to edit the tone. The digital flash.
4. Press the up/down keys to select a particular CTCSS tone or DCS tone.
5. Press P3 to set the tone.
6. Press the up/down keys to scroll to the next function or channel.

#### Text

1. Press the up/down key to select the text function for the selected channel (default is blank).
2. Press P3 to edit. You will see a flashing underscore in the display.
3. Press the up/down keys, or use the keypad to select a character.
4. Press P3 to advance to the next character.
5. When finished, pressed P3 until the characters are flashing.
6. Press the up/down keys to scroll to the next function or channel.

#### Delete Channel

The channel is deleted by zeroing out the RX frequency.

1. Press the up/down key to select the RX frequency.
2. Press P3 to edit (the first digit will flash).
3. Enter zero from the keypad or select from the up/down keys. Change each digit to zero. When they have all been changed to zero, CH OFF will show on the display.

#### Re-enable Channel

1. Press the up/down key to select the RX frequency (CH OFF will be on the display).
2. Press P2 to edit (the first digit will flash).
3. Enter the frequency from the keypad or select from the up/down keys.
4. When finished, press the up/down keys to scroll to another function or cycle power and the channel will be added to the channel list.