1. Select a group and channel you wish to program *(See Figure 1)*
   Note: To change groups, press the "Zone" softkey. Enter the zone number via the key pad and press the "OK" softkey.
   OR
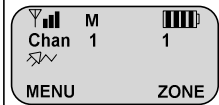   **Press the "Zone" softkey. Press the UP/Down keypad keys to desired zone and press the "OK" softkey.**

2. Select the "**Menu**" softkey, scroll down/up to "**Channel Paramaters**" and press the "**Select**" softkey. *(See Figure 2)*

3. Scroll down/up to "**Channel**" and press the "**Select**" softkey to enter channel programming mode.

4. Enter a 5-Digit Password and press the "**OK**" softkey. *NIICD Password is "00000" (See Figure 3)*

5. Scroll up/down to desired channel and press the "**Select**" sofkey to enter channel parameters. *(See Figure 4)*
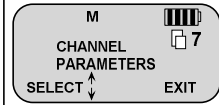
Channel Parameters

6. **Channel Mode: Default is set to "Analog".** *(See Figure 5)*
   To change setting, press the "**Edit**" softkey and scroll up/down to select "**Analog, Digital, or Multi**" and press the "**OK**" softkey.

7. **RX Frequency:** Press the "**Edit**" softkey to edit the RX Frequency. Press the " C " key several times to clear the frequency and enter the new RX Frequency and press the "**OK**" softkey. *(See Figure 6)*

8. **TX Frequency:** Press the "**Edit**" softkey to edit the TX Frequency. Press the " C " key several times to clear the frequency and enter the new TX Frequency and press the "**OK**" softkey. *(See Figure 7)*

9. **TX Power:Default is set to Medium (2 Watts).**
   To change setting, press the "**Edit**" softkey and scroll up/down to select "**Low, Medium, or High**" Power and press the "**OK**" softkey.

10. **Channel Name:**
    To change the channel name, press the "**Edit**" softkey and press the " C " key several time to clear the channel name.
    Enter a new channel name via the numeric key pad and press the " **OK**" softkey.

11. **TX Timeout: Default is set to "Yes". Timer is set to 120 seconds.**
    To change setting, press the "**Edit**" softkey and scroll up/down to select "**No or Yes**" and press the "**OK**" softkey.

12. **RX Tone Type: Default is set to "CCS".**
    To change setting, press the "**Edit**" softkey and scroll up/down to select "**CCS or DCS**" and press the "**OK**" softkey.

13. **RX Tone: Default is set to "None".**
    To change setting, press the "**Edit**" softkey and scroll up/down to select desired tone from list and press the "**OK**" softkey.

14. **TX Tone Type: Default is set to "CCS".**
    To change setting, press the "**Edit**" softkey and scroll up/down to select "**CCS or DCS**" and press the "**OK**" softkey.

15. **TX Tone: Default is set to "None".**
    To change setting, press the "**Edit**" softkey and scroll up/down to select desired tone from list and press the "**OK**" softkey.

16. **Chan. Spacing: Default is set to "12.5Khz". Narrowband**
    To change setting, press the "**Edit**" softkey and scroll up/down to select either "**12.5Khz or 15Khz**" and press the "**OK**" softkey.

17. **ANI Type: Default is set to "None".**
    To change setting, press the "**Edit**" softkey and scroll up/down to select either "**None, 5-Tone, or DTMF**" and press the "**OK**" softkey.

18. **Selcall Type: Default is set to "None".**
    To change settins, press the "**Edit**" softkey and scroll up/down to select "**None, 2-Tone, or 5-Tone**" and press the "**OK**" softkey.

19. Once all parameters are entered, press the "**Exit**" softkey. **(See Figure 8)**
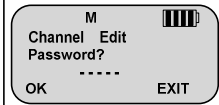   Display will show "**Save Changes Permanently**?", press the "**Yes**" softkey key to save all the entered channel parameters.
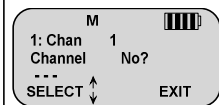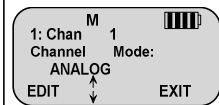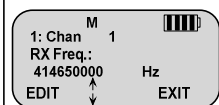

Figure 1

Figure 2

Figure 3

Figure 4

Figure 5

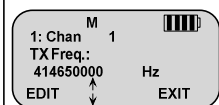Figure 6

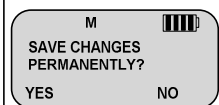Figure 7

Figure 8

CHANGING ZONES

To change groups, press the "**Zone**" softkey. Enter the zone number via the key pad and press the "**OK**" softkey.

<p style="text-align:center;color:red;">OR</p>

Press the "**Zone**" softkey. Press the UP/Down keypad keys to desired zone and press the "**OK**" softkey.

ENABLING/DISABLING SCAN

To Enable Scan - Press the " C " softkey. The display will indicate the radio is scanning by a " 冂 " icon in the upper right corner.

To Disable Scan - Press the " C " softkey.

Note: Pressing the "Menu" softkey while scanning will also disable scan.

ADD/REMOVE CHANNEL FROM SCAN LIST

To Add a Channel - Press the "**Menu**" softkey, scroll down to "**Channel Parameter**" using the up/down softkeys and press the "**Select**" softkey.

Scroll down to "**Channel Scan**" and press the "**Select**" softkey.

Scroll down/up to desired channel and press the "**Select**" softkey. Scroll to "**Add to List**", "**1st Priority**" or "**2nd Priority**" and press the "**OK**" softkey.

Press the "**Exit**" softkey, and continue adding more channels to the scan list.

Once complete, press "**Exit**" twice to close scan edit list.

To Remove a Channel - Repeat the process and select "**Remove**".

TX Power Selection

Press the "**F1**" side button to cycle between

HI/MID/LOW power settings.

> ***Note: H= HI Power/ M=Medium Power/ L=Low Power***

LOCKING KEYPAD

Press the " ⊙━▪① " softkey once to lock key pad.

Press the " ⊙━▪① " softkey once more then press the

 "**Unlock**" softkey to unlock keypad.

1. Turn power **ON** by turning the ON/OFF Volume Knob clockwise.
   The LCD will indicate the current channel label.

2. Select a zone number by pressing the appropriate the *"Zone"* softkey. Enter the zone number via the key pad and press the "**OK**" softkey.
   OR
   Press the "**Zone**" softkey. Press the UP/Down keypad keys to desired zone and press the "**OK**" softkey.

3. Select a channel by turning the Channel Select Knob to one of the 16 available positions.

4. Adjust the volume by pressing the "**F2 Squelch**" button once to open the squelch and set the volume to desired level, press the "**F2 Squelch**" key once more to close Squelch.   __The radio is now ready to RECEIVE on that current group and channel.__

6. To transmit, press and hold the Push-To-Talk (**PTT**) button on the side of the radio.
   __Note:__ The Transmit Indicator Light should glow red while transmitting.
   If not, the battery may be low or the channel is RX only or busy.

7. Pause 1 second and talk in a normal voice into the microphone.
   __Note:__ Try to shield the microphone from wind and other loud background noises for clearer transmissions.

8. Release the PTT to stop transmitting and receive incoming transmissions.

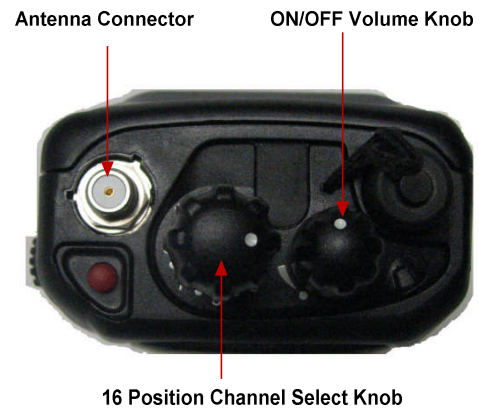**Antenna Connector**   **ON/OFF Volume Knob**

16 Position Channel Select Knob

Figure 2: Top View Midland

PTT

F1 Power

F2 Squelch

Keypad Lock

Speaker

Microphone

LCD

GP16 CH1   1

MENU   ZONE

Programmable Softkeys

Alpha Numeric Keypad

Figure 1: Front View Midland