

TDFM-136/A Basic Programming Instructions

Software Versions 2.X.X & 3.X.X

January 27, 2012



Basic Programming Functions



1. Change To A Previously Programmed Channel:

A. Press or .

Or

A. Press .

B. Press three digit preset channel number, such as for channel 34.

C. Press .

2. Load New Frequency:

A. Set MN/GD switch up for Main (MN) programming and down for Guard (GD) programming.

B. Press .

C. Push keys corresponding to desired **receive frequency (Rx)** (omitting the 1) and press .

D. Push keys corresponding to desired **transmit frequency (Tx)** (omitting the 1) and press .

3. Load Tone:

A. Set MN/GD switch up for Main (MN) programming and down for Guard (GD) programming.

B. Press .

C. To enter a **receive tone (Rt)**, follow the below instructions. Otherwise press .

1) Press to toggle between receive no tone (**Rx**) and receive CTCSS tone (**Rt**) and press .

2) If "**Rt**" was selected, press the and keys scroll through CTCSS tones and press .

D. To enter a **transmit tone (Tt)**, follow the below instructions. Otherwise press .

1) Press to toggle between transmit no tone (**Tx**) and transmit CTCSS tone (**Tt**) and press .

2) Press and keys scroll through CTCSS tones and press .

4. Change Bandwidth:

A. Set MN/GD switch up for Main (MN) programming and down for Guard (GD) programming.

B. Press for "**n**" narrowband, "**w**" wideband, or "**D**" P25 digital. Default is "**n**" for all frequencies.

C. Press .

5. Change Display Brightness:

A. Adjust display brightness with (brighter) and (dimmer) while on level 1.



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Programming a Channel & General Information



6. Load A New Channel Into Memory:

- A. Set MN/GD switch up for Main (MN) programming and down for Guard (GD) programming.
- B. Press then .
- C. Enter a three digit **channel assignment**, such as for channel 57, then press .
- D. Press . *This skips the SCAN options which are disabled in NIICD radios.*
- E. Change **alpha/numeric display**.
 - 1) Press to toggle between upper case (**AZ**), lower case (**az**), numbers (**09**), and special symbols (**/ [blank]**) as indicated in lower right corner of display window.
 - 2) Press and keys to scroll through alpha/numeric selections.
 - 3) Press and keys to move cursor left or right.
 - 4) When completed with entire alpha/numeric display entry, press .
- F. Press to toggle between **bandwidth** of “n”, “w”, or “D” and press . Default is “n”.
- G. Enter **receive frequency (Rx)** (omitting the 1) and press .
- H. Enter **transmit frequency (Tx)** (omitting the 1) and press .
- I. To enter a **receive tone (Rt)**, follow the below instructions. Otherwise press .
 - 1) Press to toggle between receive no tone (**Rx**) and receive CTCSS tone (**Rt**) and press .
 - 2) If “**Rt**” was selected, press the and keys scroll through CTCSS tones and press .
- J. To enter a **transmit tone (Tt)**, follow the below instructions. Otherwise press .
 - 1) Press to toggle between transmit no tone (**Tx**) and transmit CTCSS tone (**Tt**) and press .
 - 2) Press and keys scroll through CTCSS tones and press .

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- ### 7. General Information:
- A. Pressing moves you up a level and moves you down.
 - B. After **5 seconds** the radio reverts to level 1 (level 1 has no “1” displayed) if no user action is taken.
 - C. The radio’s level is displayed on the bottom line by “GD1” display (i.e. **GD1₂** & **GD1₃**).
 - D. Tones are assigned by channel. Do not use a tone on a receive frequency unless it’s operationally required.
 - E. Set guard (Air Guard) to 168.6250 MHz with a TX tone of 110.9 Hz.
 - F. There are 230 possible main pre-set channels.
 - G. Some *NIICD radio features are disabled* and the radio will display “**Command Disabled**” when access is attempted. Disabled features are seldom used during normal radio operation.
 - H. Press to toggle between “Home” and current memory channel (*V3.X.X only*).
 - I. Press to toggle “Talk Around” on duplex channels (*V3.X.X software only*).
 - J. Visit the NIICD website for additional information and P25 use at:

<http://www.nifc.gov/NIICD/documents.html>