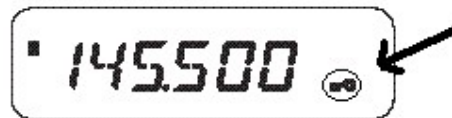# Programming reference guide:

1. **Your transceiver is locked with F-key.**

LOCK FUNCTION

The lock function disables most of the keys to prevent you from accidentally activating a function. Transceiver Lock is suitable for a typical mobile installation where you select most operations using the microphone.

1 Press **[F] (1s)**.

• The following keys cannot be locked:

[ ] (Power), **[F] (1s)**, **[F]+[REV]**, **Volume** control, **[PTT]**, and the Mic keypad.

2 Press **[F] (1s)** again to unlock the keys.

Memory storage

2. Programming a simplex channel

1 Press **[VFO]**.

2 Turn the **Tuning** control to select your desired frequency.

4 Press **[F]**.
• A Memory Channel number appears and blinks.

5 Turn the **Tuning** control to select the Memory Channel in which you want to store the data.

6 Press **[MR]** to store the data to the channel.

! ! ! To program an existing memory channel you first have to clear the existing data in that channel.
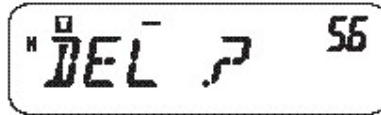
CLEARING A MEMORY CHANNEL

To erase an individual Memory Channel:

1 Recall the Memory Channel you want to erase.

2 Press **[ ]** (Power) **(1s)** to switch the transceiver OFF.

3 Press **[MR]+[ ]** (Power).
• An erase confirmation message appears.

```
DEL ?          56
```

4 Press **[MR]** to erase the channel data.

• The contents of the Memory Channel are erased.
• To quit clearing the Memory Channel, press any key other than **[MR]**.

3. ROGRAMMINGSTORING OFF SET REPEATER FREQUENCIES

tTurn Transceiver ON

Select RX frequency via VFO and Menu knob.

Press F, MENU and select MENU 5.

Press MENU knob and select + or -.

Press MENU knob and select MENU 3.

Press MENU knob and select desired sub tone.

Press MENU knob and select MENU 10.

Select with MENU knob desired OFF-SET frequency.

Press MENU switch.

Press MR switch.

Press F switch and press CALL switch. (this has to be done twice!)

Press F switch and press CALL switch.

Press F switch and select with MENU knob the channel number.

Press MR to store this DATA.
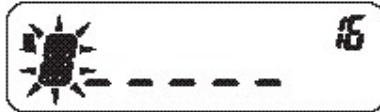
4. NAMING A MEMORY CHANNEL

You can name Memory Channels using up to 6 alphanumeric characters. When you recall a named Memory Channel, its name appears on the display in place of the stored frequency. Names can be call signs, repeater names, cities, names of people, etc. In order to use the Memory Name function, the Memory Channel capacity must be set to 100 channels. To change the Memory Channel capacity from 200 to 100, access Menu No. 15 (M.CH)

1 Press **[MR]** and turn the **Tuning** control to recall your desired Memory Channel.

2 Press **[F]**, **[MENU]** and turn the **Tuning** control to select Menu No. 16 (M.NAME).

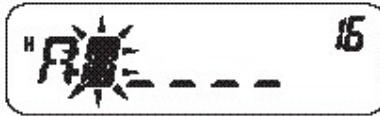**3** Press **[MENU]**.

• A blinking cursor appears.

4 Turn the **Tuning** control to select a desired alphanumeric character.
• You can enter the following alphanumeric characters:
0 ~ 9, A ~ Z, – (hyphen), / (slash), and a space.

5 Press **[MR]**.
• The cursor moves to the next digit.

• To move to the previous digit, press **[VFO]**. To delete the character at the current cursor position, press **[F]**.

6 Repeat steps 4 and 5 to enter up to 6 digits.

7 Press **[MENU]** to complete the entry.

• Press any key other than **[MR]**, **[VFO]**, **[F]**, and **[MENU]** to cancel the entry.
• To complete an entry of less than 6 characters, press **[MENU]** two times.

8 Press any key other than **[MENU]** to exit Menu Mode.

After storing a Memory Name, the Memory Name appears in place of the operating frequency. However, you can still display the operating frequency, if desired. To display the frequency rather than Memory Name, access Menu No. 17 (MDF) and select "FRQ". This menu toggles the display mode between the Memory Name ("MN") and frequency display ("FRQ").

MEMORY SCAN

Memory Scan monitors Memory Channels in which you have stored frequencies.

ALL-CHANNEL SCAN

The transceiver scans all of the Memory Channels in which you have stored frequencies.

1 Press **[MR] (1s)**.

• Scan starts from the last Memory Channel number and ascends up through the channel numbers (default).

  • To jump to a desired channel while scanning, quickly turn the **Tuning** control.

  • To reverse the scan direction, turn the **Tuning** control or press Mic **[UP]**/**[DWN]**.

2 Press any key other than **[F]** or **[ ]** (Power) to stop All-Channel Scan.

Follow channels are preprogrammed for use by MSF:

Channel:	Frequency:	Offset:	Tone:	Channel name:
001	156.500			CH 1
002	156.525			CH 2
003	156.550			CH 3
004	156.575			CH 4
005	156.600			CH 5
006	156.625			CH 6
007	156.650			CH 7
008	156.675			CH 8
009	156.700			CH 9
010	163.100		141.3 Hz	EME A
011	163.100	-5	141.3 Hz	EME AR
012	163.025		141.3 Hz	EME B
013	163.025	-5	141.3 Hz	EME BR
014	163.175		141.3 Hz	EME C
015	163.175	-5	141.3 Hz	EME CR