

Easy Programming for the Yaesu FTM-10R

Programming a Frequency - Simplex

To dial a frequency in 1 MHz steps press and hold down for one second either the up or down arrow key on the front panel.

1. Press the front panel ▲/▼ keys to the desired band.
2. Press the front panel ► to change the frequency.
3. Rotate the **DIAL** knob to the desired frequency. (See the next section to change the Frequency Step).

Changing the Frequency Step

1. Press and hold the **[VOL/SEL]** key for one second.
2. Rotate the **DIAL** knob to Menu Item "F41 STEP".
3. Press the front panel ► key.
4. Rotate the **DIAL** knob to select the desired step size:
5.00, 6.25, 8.33, 10.0, 12.5, 15.0, 20.0, 25.0, 50.0, 100.0, 200.0 KHz or AUTO.
5. Press the **[VOL/SEL]** key to save the setting.

Storing Frequency in Memory

1. Press and hold the small ► on the front panel for one second.
2. A "MIN" notation will appear on the display in the upper left and will blink. If nothing is done the radio will return to the VFO mode.
3. With five (5) seconds of pressing the small ► on the front panel, press it again, this time briefly, to store the frequency displayed into the memory location. The "MIN" will disappear (since you are operating in the VFO mode).

FTM-10R can memorize the following items with the frequency at the same time:

- Memory Group Information
- Alpha-numeric Memory Channel Tag
- Repeater Shift (Direction and Shift Frequency)
- CTCSS/DCS Squelch System and its frequency and code
- Transmit Output Power Level
- Scan Mode (Skip Scan or Preferential Scan)
- Frequency Step
- Semi-Duplex (Odd) frequency
- Receiving Mode (AM or FM)

Programming a PL for a Repeater

1. Recall the memory channel where you wish to program the CTCSS (PL) frequency.
2. Press and hold the front panel ► key for one second.
3. Rotate the **DIAL** knob to "M8 SQL TSQF".
4. Press the front panel ► key to display the current CTCSS Tone Frequency.
5. Rotate the **DIAL** knob to select the desired CTCSS Tone Frequency.
6. Press the **[VOL/SEL]** key to save the new setting. You will be returned to the memory recall mode.

Programming the Offset

The default of the radio is Automatic Repeater Shift (ARS). Therefore, you do not have to program the repeater shift, or offset.

Memory Recall (p 34)

The FTM-10R has two methods of recalling memory. Group Memory Mode enables you to recall all the Memory Channels and In-band Memory Mode enables you to recall only the memory channels which are stored within the same operating band.

All Memory Channel Recall (Group Memory Mode)

1. Press the front panel up or down keys, ▲/▼, until the “GRP” notation appears in the upper left of the display. This indicates you are now in the “Group Memory Bank”.
2. Rotate the **DIAL** knob to select the desired memory channel.
3. Press the front panel up or down keys, ▲/▼, to select the desired operating band. This will also exit you from the Memory Recall mode.

Recall a memory channel which is stored in the same operating band (In-band Memory Mode)

1. On the front panel press the up or down keys, ▲/▼, to recall the desired operating band.
“H-V” icon for the 144 MHz band
“H-U” icon for the 430 MHz band
2. Press the front panel ► key briefly. A “-MEMORY-” notation will appear on the display. This indicates the “Memory Recall” mode is now engaged.
3. Rotate the **DIAL** knob to the desired memory channel.
4. Press the front panel ► key to exit and return to the VFO mode.

Labeling Memory (Alphanumeric) (p 38)

1. Recall the memory channel you wish to put an alphanumeric label on.
2. Press and hold the front panel ► key for one second (Memory Channel Customization Mode).
3. Rotate the **DIAL** knob to “M4 MEM TAG”.
4. Briefly press the front panel ► key, then rotate the **DIAL** knob to select “ALPHA”.
5. Press and hold the front panel ► key for one second. This will display the previous label.
6. Press the **PTT** key to clear the previous label.
7. Rotate the **DIAL** knob to select the first character you want.
8. Press the front panel ▼ key to move to the next character.
9. Repeat steps 6 and 7 to program the remaining characters. The maximum number of characters is 8.
10. If you make a mistake, press the front panel ▲ key to clear the previously entered character then re-enter the correct character.
Press the **PTT** key to delete all data after the cursor.
11. Press and hold the front panel ► key for one second. The “ALPHA” notation will appear.
12. Press the **[VOL/SEL]** key to save the entry and return to the memory recall mode.

Memory Channel Number Change

1. Recall the memory channel you wish to change.
2. Press and hold the front panel ► key (Memory Channel Customization mode)
3. Rotate the **DIAL** to “M2 MEM CH”.
4. Briefly press the front panel ► key. The current memory channel will appear in the display
5. Press and hold the front panel ► key for one (1) second.
6. Rotate the **DIAL** knob to select the new memory channel.
If you decide to cancel press the **[VOL/SEL]** key.
If the new channel number is blinking it means there is already something in that channel.
Choose another channel.
7. Press and hold the front panel ► key. This will change the Memory Channel Number.
8. Press the **[VOL/SEL]** key to save the new channel setting.

Deleting a Memory Channel

1. Recall the memory channel you wish to delete.
2. Press and hold the front panel ► key for one second.
3. Rotate the **DIAL** knob to select “M13 DELETE”.
4. Briefly press the front panel ► key. A confirmation message (“DELETE Y”) will appear.
5. Press and hold the front panel ► key for one second to confirm the deletion. The display will then revert to the memory mode.

Transmit Power Level

The FTM-10R allows a separate Transmit Power Level to be set for each, individual memory channel.

1. Recall the memory channel you want to program its own individual Transmit Power Level.
2. Press and hold the front panel ► key for one second.
3. Rotate the **DIAL** knob to select “M12 TX POWER”.
4. Press the front panel ► key briefly.
The current Transmit Power Level will be displayed.
5. Rotate the **DIAL** knob to the desired Transmit Power Level, (“LOW”, “MID”, or “HIGH”).
6. Press the **[VOL/SEL]** key to save the new setting.

	HIGH	MID	LOW
144 MHz	50W	20W	5W
430 MHz	40W	20W	5W

Setting the Clock

1. Press and hold the **[VOL/SEL]** key for one second to activate the Menu mode.
2. Rotate the **DIAL** knob to “F9 CLOCK ON”.
3. Press the front panel ► key.
4. Rotate the **DIAL** knob to “ON”.
5. Press the **[VOL/SEL]** key to save the “ON” setting.
6. Press the **[VOL/SEL]** key repeatedly to display the Clock, Stop Watch Timer, or Thermometer.
7. Rotate the **DIAL** knob to select the Clock.
8. Press and hold the **[VOL/SEL]** key for one second.
9. Rotate the **DIAL** knob to “T1 TIME ADJ”.
10. Press the front panel ► key to display the current time.
11. Press and hold the front panel ► key. The “hour” will be blinking.
12. Rotate the **DIAL** knob to set the hour.
13. Press the front panel ▼ key. The “minute” indicator will be blinking.
14. Rotate the **DIAL** knob to the minute you need.
15. Press the front panel ▼ key to save the new settings.
16. Press the **[VOL/SEL]** key to exit.

Activating the Clock

1. Press and hold the **[VOL/SEL]** key for one second.
2. Rotate the **DIAL** knob to select “F9 CLOCK ON”.
3. Press the front panel ► key to enable the selection.
4. Rotate the **DIAL** knob to select “ON”.

Displaying the Clock

1. Press the **[VOL/SEL]** key repeatedly to Clock, Stop Watch Timer, or Thermometer.
2. Rotate the **DIAL** knob to display the clock.

Clock Format

1. Press the **[VOL/SEL]** key repeatedly to Clock, Stop Watch, or Thermometer.
2. Press and hold the **[VOL/SEL]** key for one second.
3. Rotate the **DIAL** knob to “T# FORMAT”.
4. Press the front panel **▶** key momentarily.
5. Rotate the **DIAL** knob to select the desired format.
6. Press the **[VOL/SEL]** key to save the setting.

Setting the Time System (12H or 24H)

1. Press the **[VOL/SEL]** key repeatedly to display the Clock, Stop Watch Timer, or Thermometer.
2. Press and hold the **[VOL/SEL]** key for one second.
3. Rotate the **DIAL** knob to “T4 12H/24H”.
4. Press the front panel **▶** key momentarily.
5. Rotate the **DIAL** knob to the desired Time Format.
6. Press the **[VOL/SEL]** key to save the setting and exit to normal operation.

Temperature Display

1. Press the **[VOL/SEL]** key repeatedly to Clock, Stop Watch Timer, or Thermometer.
2. Rotate the **DIAL** knob to display the temperature (TMP XX °F).

Programming the CTCSS Frequency (PL)

1. Recall the memory channel where you wish to program the CTCSS (PL) frequency.
2. Press and hold the front panel **▶** key for one second.
3. Rotate the **DIAL** knob to “M8 SQL TSQF”.
4. Press the front panel **▶** key to display the current CTCSS Tone Frequency.
5. Rotate the **DIAL** knob to select the desired CTCSS Tone Frequency.
6. Press the **[VOL/SEL]** key to save the new setting. You will be returned to the memory recall mode.

CTCSS Operation

1. Press and hold the **[VOL/SEL]** key for one second.
2. Rotate the **DIAL** knob to “F40 SQL TYPE”.
3. Press the front panel **▶** key to select this Menu item.
4. Rotate the **DIAL** knob to “TONE SQL”.
5. Press the front panel **▶** key.
6. Rotate the **DIAL** knob counter-clockwise to “F39 SQL TSQF”.
7. Press the front panel **▶** key.
8. Rotate the **DIAL** knob to the Tone Frequency you need.
9. Press the **[VOL/SEL]** key to save the new settings.

CTCSS TONE FREQUENCY (Hz)									
67.0	79.7	94.8	110.9	131.8	156.7	171.3	186.2	203.5	229.1
69.3	82.5	97.4	114.8	136.5	159.8	173.8	189.9	206.5	233.6
71.9	85.4	100.0	118.8	141.3	162.2	177.3	192.8	210.7	241.8
74.4	88.5	103.5	123.0	146.2	165.5	179.9	196.6	218.1	250.3
77.0	91.5	107.2	127.3	151.4	167.9	183.5	199.5	225.7	254.1

Repeater Operation

Standard Repeater Shift

1. Press and hold **[VOL/SEL]** key for one second.
2. Rotate **DIAL** knob to “F25 RPT MODE”.

3. Press the front panel ► key.
4. Rotate the **DIAL** knob to the desired offset.
5. Press the **[VOL/SEL]** key to save the settings.

Automatic Repeater Shift (ARS)

1. Press and hold the **[VOL/SEL]** key for one second.
2. Rotate the **DIAL** knob to “F24 RPT ARS”.
3. Press the front panel ► key.
4. Rotate the **DIAL** knob to “OFF”.
5. Press the **[VOL/SEL]** key to save the setting.

Repeater Shift Direction

1. Press and hold the **[VOL/SEL]** key for one second.
2. Rotate the **DIAL** knob to “F25 RPT MODE”.
3. Press the front panel ► key.
4. Rotate the **DIAL** knob to the desired shift (RPTR-, RPTR+, or RPTR OFF).
5. Press the **[VOL/SEL]** key to save the setting and exit to normal operation.

Setting the MIC Gain

1. Press and hold the **[VOL/SEL]** key for one second.
2. Rotate the **DIAL** knob to “F19 MIC GAIN”.
3. Press the front panel ► key.
4. Rotate the **DIAL** knob to select the desired Microphone Gain Level (MIN, LOW, NORMAL, HIGH, and MAX).
5. Press the **[VOL/SEL]** key to save the setting and return to normal operation.

Squelch Adjustment

1. On the top panel press the up or down arrow key, ▲/▼, to select **SQL LEVEL**. The current squelch level will be displayed.
2. Press the **F** function key.
3. Rotate the **DIAL** knob to adjust the squelch level. Adjust the level to where the green **BUSY** light turns off.
4. Press the **F** function key to save the new squelch setting. This will also return you to the VFO or Memory Channel mode you were in.

Transmit Power

1. On the top panel press the up or down arrow key, ▲/▼, to select **TX POWER**.
2. Press the **F** function key repeatedly to select your desired transmitting power.
3. Two seconds after selecting the power level, the new setting is automatically saved and the radio will return you to the VFO or Memory mode you were in.

	HIGH	MID	LOW
144 MHz	50W	20W	5W
430 MHz	40W	20W	5W

Reset Procedure

1. Turn radio off.
2. Press and hold the **[VOL/SEL]** key while turning the radio on.
3. Rotate the **DIAL** knob to one of the following Reset Menu items:

SF1 COPY ALL: Transfer all memories and other settings from a transceiver to another FTM-10R. This is not a reset operation.

SF2 COPY MSG: Transfer all messages from a transceiver to another FTM-10R. This is not a reset operation.

SF3 RSET MSG: Resets the messages to factory defaults.

SF4 RSET SYS: Resets the Menu Item settings to factory defaults.
(Except F16 ID LIST, F17 ID REG, F18 MESSAGE, F25 RPT MODE, F26 RPT SFT, F28 RX F CCL, F36 SQL DCS, F39 SQL TSQF, F40 SQL TYPE, and F44 TX POWER.)

SF5 RSET ALL: Clears all memories and other settings to factory default.

SF6 BLTH R: Set up the Bluetooth® device which is connected to the transceiver. This is not a reset operation.

SF7 BLTH F: Set up a Bluetooth® device which is connected to the front panel of the transceiver. This is not a reset operation.

4. Press **PTT** and confirm a YES is displayed.
5. Press **PTT** to complete the procedure.