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ICOM M802 PROGRAMMING INSTRUCTIONS

Programming the Icom-M802, & the Open Ham/Dial Mode
 The Icom M802 has two modes of operation - "Marine" which is the default and "Open".

The radio is much easier to program in "Open" mode and thus it is recommended that the radio be put into "open" mode before programming is commenced.

"Open" mode is also advantageous as it also enables the radio to operate on lower side band (SSB), on other HF frequencies such as ham radio and also makes for easier manual tuning - ie like your AM / FM radio that you probably have in your car.

The CLAR/RX key toggles the radio back-and-forth between the *Marine Mode* and the *Open Mode*.

To determine if the *Open Mode* on your M802 is enabled press the CLAR/RX key on the keypad. If enabled, the LCD display will change, displaying frequency information with a cursor beneath the rightmost digit. If the display does not change or there's no cursor beneath the displayed frequency, the *Open Mode* is not enabled.

Here's how to put the radio into the Open Mode and set frequencies:

Step		Instructions	Dial Display Change
1.	Put the radio into the OPEN mode.	With the radio turned off hold down the 2, mode , and TX keys at the same time, and turn the radio on.	Normal dial display. The M802 doesn't indicate if its in the open/Dial mode or closed mode.
2	Select tuning capabilities	Press the CLAR/RX button. If the radio is in the Open/Dial Mode an arrow pointing right will appear next to the RX on the top line of the LCD display. The channel label will be replaced with the stored frequency and mode, and a cursor (underline) will be under one of the numbers. If the sideways arrow to the right of RX does not appear the radio is in the "closed" mode. Repeat step 1 above.	8152.0
3	Dialing-in the Frequency	Turn the left knob until the cursor is under the number in the column you want to change (ie we have moved the cursor from the far right column to the far left column in our example)	8152.0
4	Dialing-in the Frequency	Turn the right knob left or right until the desired number in the selected column is displayed (ie - we have changed the 8 now to a 14 in our example)	14152.0
5	Dialing-in the Frequency	Turn the left knob clockwise to move the cursor to the next column you want to change (in this example the 100KHz column).	14152.0

WWW.RADIOS.NET.AU
ICOM M802 PROGRAMMING INSTRUCTIONS

6	Dialing-in the Frequency	Turn the right knob left or right until the desired number in the selected column displayed in the 100 KHz column (in this example 3).	14 3 52.0
7	Dialing-in the Frequency	Turn the left knob clockwise to move the cursor to the next column you want to change (in this example the 10KHz column).	143 5 2.0
8	Dialing-in the Frequency	Turn the right knob left or right until the desired number in the selected column displayed in the 10 KHz column (in this example 1).	1431 2 .0
9	Dialing-in the Frequency	Turn the left knob clockwise to move the cursor to the next column you want to change (in this example the 1KHz column).	1431 2 .0
10	Dialing-in the Frequency	Turn the right knob left or right until the desired number in the selected column is displayed in the 1 KHz column (in this example 3).	1431 3 .0
11	Store the new Transmit & receive frequency	Press and hold the ENT key. When the little right pointing arrow disappears, the LCD display reverts back to showing the channel label, and SIMP is displayed on the top line, the new frequency and mode has been set. In this example the radio will transmit and receive on 14.313 MHz.	The "SIMP" displayed on the first line of the LCD indicates the transmit and receive frequencies are the same.
12	Toggle	Press the FREQ/CH key to toggle between the channel and frequency mode.	
15	Note: It is not necessary to set each column individually. Put the cursor under any of the columns and rotate the right-hand knob, tuning the radio as you would a regular AM / FM radio. Remember, the farther to the right a column is located, the finer the tuning increment.		
Programming Simplex Frequencies into the User Channel Group			
Step	Instructions		What's Happening
1	Press the Freq/CH button to put the M-802 into the <i>Channel Mode</i> if necessary.		With each press of the CH/Freq button the LCD display will toggle back and forth, displaying the selected radio channel, and with the next press displaying the frequency stored in that radio channel.

WWW.RADIOS.NET.AU
ICOM M802 PROGRAMMING INSTRUCTIONS

2	Select the channel you wish to program by turning the large right-hand knob (channel selector knob)	The channel selector knob selects channels within a <i>Channel Group</i> .
3	Press the CLAR/RX button	The small right pointing will appear next to the RX on the top line of the LCD display. The channel label will be replaced with the stored frequency and mode, and a cursor (underline) will be under one of the numbers
4	Enter the desired frequency using the keypad , or dial it in using the two large front panel knobs.	You are entering a new receive & transmit frequency.
5	Press and hold the ENT key. When the small right pointing arrow disappears, the LCD display reverts back to showing the channel label, and SIMP is displayed on the top line, the new frequency and mode has been set.	Stores the new RX & TX frequency and mode for this radio channel into the M-802's permanent memory.

Programming Duplex Frequencies into the User Channel Group

Step	Instructions	What's Happening
1	Store the receive frequency following the instructions for programming a simplex frequency described above.	Writes the receive frequency into memory.
2	Press the TX key	LCD displays changes to the frequency mode and TX flashes.
5	Enter the new transmit frequency using the keypad , or knobs .	
6	Press and hold the ENT key.	Writes the new transmit frequency into memory. The LCD display reverts back to showing the channel label and DUP replaces SMIP.

Adding Names/Labels to Your Channels

Step	Instructions	What's Happening
1	Press the Freq/CH button to put the M-802 into the <i>Channel Mode</i> if necessary.	Put the M-802 into the Channel Mode.
2	Press the " F " (Function button)	Enable the function mode.
3	Press the Freq/CH	The LCD dial display will show a line of character positions.

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ICOM M802 PROGRAMMING INSTRUCTIONS

4	Rotate the right-hand Channel Selector knob to select the first character position.	Rotating the channel selector knob selects the character position where you want to enter a letter or number.
5	Using the keypad, enter the desired character.	Use the "1" key for Q, Z, q, z, and space, the "0" key for 0, and symbols + - = / () * < > and @
6	Rotate the right-hand Channel Selector knob to select the next character position.	
7	Using the keypad , enter the next character.	
8	Continue with steps 6 - 7 until you have either completed the channel label, or all eight positions are filled.	The maximum channel label size is eight characters.
9	Press ENT when finished.	Stores the newly entered channel label into the radio's permanent memory.