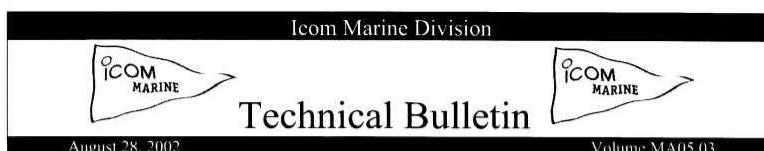


Icom M802 SSB/Ham transceiver, by Ed Huckins

The Icom M802 is a modern SSB/Ham transceiver that has become very popular both for voice and email. It comes with an excellent manual, with lots of information on using ITU channels and the new DSC feature. It also has a lot of great ham features, but you can't tell that from the manual, and Icom is reluctant to discuss them. The references below are the initial set of information I have been able to find from various sources, but I certainly hope there is a lot more out there. I even emailed Icom with a request for a ham supplement to the manual-tech support said it was not planned, but they would pass the request on to management. So we appear to be on our own. If you have such ham information, please email a copy and I will post it here. JPG is preferred, although I can deal with other formats.



- First step is to open up the radio for ham usage, as described in the Icom Technical Bulletin:



IC-M802 Single Side Band Programming

To toggle the SSB into the “open” configuration, follow the steps below.

- 1) Turn off the radio.
- 2) **Press and hold** the “2”, the “MODE” and the “TX” button.
- 3) While holding the three buttons, turn on the radio.

This programming toggles the operation from “Marine Only” to “Open” configuration.

Thank you,

ICOM Technical Support Team

- Next is to be able to program the users channels, as described in the "missing pages" of the Icom M802 Instruction Manual Missing page 12 and Missing page 13:

USER CHANNEL PROGRAMMING 4

■ Programming a frequency

The IC-M802 has up to 160 user-programmable channels each with channel name capability of up to 8 alphanumeric characters.

NOTE: ITU simplex channels can be programmed as well as user channels. However, transmit frequencies cannot be programmed as it is not necessary.

◆ Receive frequency

- ① Select the desired channel to be programmed.
 - Channel 1 to 160 (maximum) are programmable.
- ② Push [RX CLAR] to select frequency selection mode.
 - "f" and frequency appear in the display.
- ③ Enter the desired frequency via the keypad— 5 or 6 digits.
 - Or rotate [GRP] and [CH] selectors to change the frequency.
 - Pushing [Δ]/[▽] on the microphone also tunes frequency.
- ④ Push [MODE SET] several times to select the desired operating mode (type of emission).
- ⑤ Push [ENT] for 1 sec. to program the user channel.
 - 3 beeps sound.
 - "f" and frequency disappear from the display.

Push [RX CLAR]

```

RX J3E DUP
12.3450
CH 160 DSC Watch
GPS
UTC 16:23
Lat 45° 59' N
Lon 134° 44' E
  
```

"f" indicator blinks.

Set frequency

```

RX J3E DUP
8.7280
CH 160 DSC Watch
GPS
UTC 16:23
Lat 45° 59' N
Lon 134° 44' E
  
```

Use keypad or channel selector.

Push [ENT] for 1 sec.

```

RX J3E DUP
8.7280
CH 160 DSC Watch
GPS
UTC 16:23
Lat 45° 59' N
Lon 134° 44' E
  
```

Programming is completed.

◆ Channel names

- ① Select the desired channel to be programmed.
- ② Push [FREQ/CH] to select channel indication mode, if desired.
- ③ Push [ENT] then [FREQ/CH].
 - The 1st character for the channel names blinks.
- ④ Rotate [CH] selector to select the character of channel names and push keypad several times to enter that character.
- ⑤ Push [ENT] to program the channel name.

Push [ENT] then [FREQ/CH]

```

RX J3E DUP
---
CH 160 DSC Watch
GPS
UTC 16:23
  
```

Rotate [CH] to select character and push keypad to enter that character.

```

RX J3E DUP
COMMENT
CH 160 DSC Watch
GPS
UTC 16:23
  
```

Push [ENT]

```

RX J3E DUP
COMMENT
CH 160 DSC Watch
GPS
UTC 16:23
Lat 45° 59' N
Lon 134° 44' E
  
```

MASTER

4 USER CHANNEL PROGRAMMING

◆ Transmit frequency

- ① Select the desired channel to be programmed.
- ② Push [TX FREQ]
 - "TX" blinks.
- ③ Enter the desired frequency via the keypad with 5 or 6 digits.
 - [GRP] and [CH] selectors cannot be used.
- ④ Push [MODE SET] several times to select the desired operating mode (type of emission).
- ⑤ Push [ENT] for 1 sec. to program the user channel.
 - 3 beeps sound.

Push [TX FREQ]

Set frequency

Push [ENT] for 1 sec.

The first screenshot shows the display with 'TX' blinking and '160' on the frequency line. The second screenshot shows '22.105.0' entered on the frequency line. The third screenshot shows '22.305.0' entered on the frequency line.

TX indicator blinks and shows transmit frequency.

Use keypad.

Programming is completed.

- The M802 can also be tuned easily with the knobs, just like any ham radio, and has the additional advantage of a keypad for frequency entry