



**MOTOROLA**

# **MICOM-2 HF-SSB Transceiver**

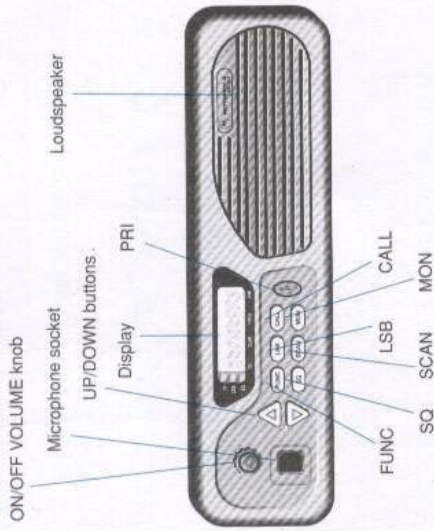


*Owner's Manual*

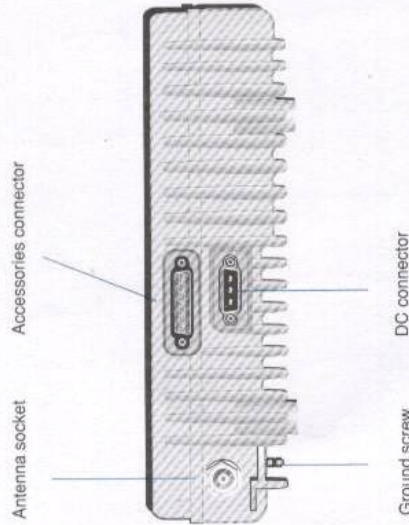
68P02941C60-O

## MICOM-2 Quick Reference Card



### Transceiver Controls



### Transceiver Rear Panel



### Status Annunciators

-  CLAR The frequency deviation is other than 0.
-  NB The Noise Blanker option is activated.

**Valid key press:** A beep is sounded when a keypad key is pressed to indicate that the key was accepted. (When enabled via the RSS.)

**PTT release:** A beep is sounded on the remote radio to indicate that the PTT button was released. (When enabled via the RSS.)

**PRI button**

Terminates each temporary activity and returns to CH mode.

**MON button**

Not in use.

**CALL button**

Not in use.

**SCAN button**

Starts scanning all the preprogrammed channels in the chosen group.

**LSB button**

Enables/disables lower sideband operation.

**SQ button**

Activates/deactivates the squelch algorithm.

**FUNC button**

Changes cyclically between the following modes: CH, CLAR, FREQ, DIM and NB (optional).

**UP/DOWN buttons**

Scroll up/down the parameters of the mode displayed

### Operating Modes

The FUNC button changes cyclically between:

**CH**

The default stable position. The radio displays the selected working channel.

**CLAR**

Displays the deviation (measured in Hertz) from the nominal frequency.

**FREQ**

Displays the operating frequency.

**DIM**

In this mode you can adjust the level of display illumination.

**NB (optional)**

Activates/deactivates the noise blanker mode, provided your radio model includes this option.

### LED Indications

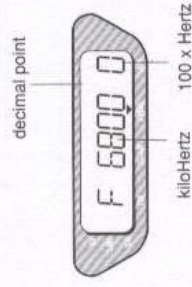
**LED Color** Indicates

**Tx Red** Transmission.

**LSB Orange** The radio operates in LSB mode.

**SQ Yellow** The squelch is activated.

### Frequency Display



## Operating Instructions

### Basic Operations

#### To Turn the Radio On

- Turn the ON/OFF VOLUME knob to the right until it clicks.
- The display shows SELF TEST for about 3 sec.
- The last working mode CH or SCAN, is displayed.

#### To Select the Channel

- Display CH mode.
- Scroll to the required channel.

#### To Set the Frequency Deviation

- Display CLAR mode.
- Scroll to the required deviation (up to  $\pm 200$  Hz).
- To nullify, scroll to zero and press FUNC or PRI to return to CH mode.

#### To View a Channel Frequency

- Scroll to the required channel.
- Display the FREQ mode

#### To Set the Display Illumination

- Display DIM mode.
- Set the preferred volume of light using the UP/DOWN buttons.

#### To Filter the Cyclic Noise (optional)

- Display NB mode.
- Set to ON using the UP/DOWN buttons.

### To Receive

- Set the volume by turning the ON/OFF VOLUME knob clockwise.
- Select the channel by pressing the UP/DOWN buttons.
- To activate the squelch mode, press the SQ button.

### To Transmit

**NOTE: Before transmitting, ensure that the RF output of the radio is connected to a tuned antenna or to a dummy load.**

- Press and hold down the Push-to-Talk (PTT) button on the side of the microphone and speak slowly and clearly.
- The Tx LED will remain red until the PTT button is released to indicate that you are "on-the-air".

### To Check the RF Power

- Press the PTT button. Baseline bars appear on the display.
- Speak into the microphone. Vertical bars indicating the power level appear above the baseline bars
- Whistle into the microphone to check the power level. As the forward power increases, the number of vertical bars increases from left to right.
  - At 100% forward power, all vertical bars appear on the display.
  - As the reflected power increases, some bars will be missing on the left hand side of the display.
- The display shows the "net" RF power delivered to the antenna.

### To Scan the Channels

- Press the SCAN button. The display shows the last scanned group.
- Scroll to scan a different group.
- To stop scanning, press the SCAN or PRI buttons or the PTT button on the microphone.

### To Tune the Antenna Tuner

**NOTE: Ensure that the antenna system is equipped with an automatic antenna tuner and the tuner is enabled.**

- Display DIM mode and keep pressing the FUNC button for about 3 seconds. The baud rate is displayed.
- Press the FUNC button again and TUNE OFF appears on the screen.
- Toggle to TUNE ON.