



MOTOROLA

MICOM-2 HF-SSB Transceiver

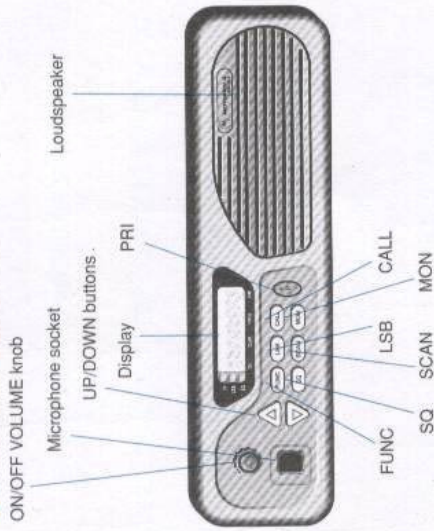


Owner's Manual

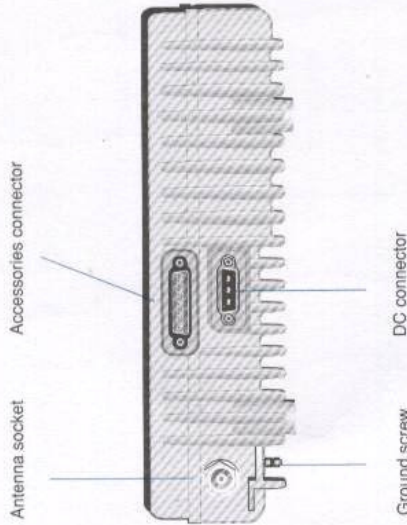
68P02941C60-O

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). 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

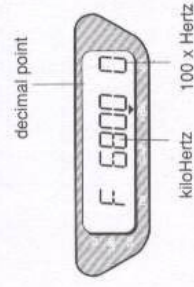
LED Color Indicates

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 ± 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.