



## User Guide

### Kenwood TM-2530A

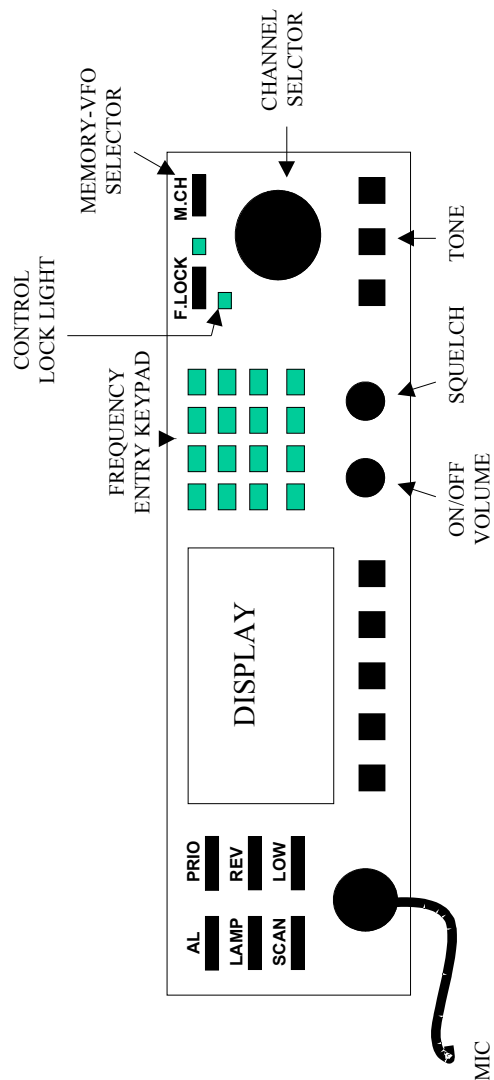
This guide was developed to provide a reference for basic operation of the Kenwood TM-2530A two meter radio. There are many features and buttons which are not described in this user guide, but they are not required for basic communication.

EMRG-203

Version 1.1

### MEMORY CHANNEL ASSIGNMENTS

CH	Frequency	-/+/S	Description
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
A			
b			
d			
U			



## Quick Step Guide

1. Check the antenna connection to the radio.
  - Is it connected and is the connection tight.
2. Check the power supply.
  - Is the power supply plugged into the wall
  - Is the radio plugged into the power supply.
3. Turn on the power supply.
4. Turn the radio **ON/OFF Volume** knob clockwise.
  - The radio display should come on.
5. Check to see if the green light ring is **ON** around the channel selector.
  - If the light is **OFF**, push the **M.CH** button to switch to memory mode. The light ring should come on.
  - Rotate the channel selector to the desired memory channel/frequency as shown on the display.
6. Set the volume and squelch to the desired levels.
7. Set the power level using the **LOW** button.
  - **IN** for low power (5W), **OUT** for high power (22W)

If the desired frequency is not in Memory, refer to the following sections of the user guide; **VFO Mode**, **Frequency Input & Tone Squelch**, in place of step 5 above, to enter the desired frequency.

## Memory Mode

Push **M.CH** to toggle between VFO and Memory mode. In Memory mode, the green light ring around the channel selector knob is on.

- The M.CH button is sensitive and sometimes bounces back to the original setting. Verify your selection after pushing the button.

## VFO Mode

Push **M.CH** to toggle between VFO and Memory mode. In VFO mode, the green light ring around the channel selector knob is off.

- The M.CH button is sensitive and sometimes bounces back to the original setting. Verify your selection after pushing the button.

## Frequency Input

Frequencies can only be set in VFO mode. Use the numeric keypad for direct frequency entry. The display shows only the last 4 digits of the frequency.

- The first 2 digits are assumed to be 14. For example 147.150, will be displayed as 7.150. To enter this frequency, enter only the digits 7150.
  - The decimal divider is inserted automatically.
- The last digit will be a 0 or 5. If you select 0 to 4 for the last digit, it will be set to 0. If you select 5 to 9 for the last digit, it will be set to 5.

## Tone Squelch

To set the CTCSS transmit tone (There is no tone decoding or receive tone setting), push the TONE button once. The display will show either a tone frequency or three dashes (- - -), followed by the frequency indicator Hz.

Select the three dashes (- - -) if no CTCSS transmit tone is desired. Otherwise, rotate the control knob to select the desired frequency. Push the TONE button a second time to return to VFO or Memory mode. The new tone is now set.

## Repeater Offsets

The 0S key on the numeric keypad selects simplex [S], negative offset [-] or positive offset [+], when in VFO or memory mode. The standard offset is 600Khz.

Some frequencies allow any one of the three settings to be selected. Other frequencies only allow selection from 2 of the three options.

- 142.000 to 143.995 = [S]
- 144.000 to 144.595 = [S] [+]
- 144.600 to 147.395 = [-] [S] [+]
- 147.400 to 147.995 = [-] [S]
- 148.000 to 148.995 = [S]

Memory channels 16-17 and 18-19 can be used to set odd offsets. Each of the 4 channels is programmed with a simplex frequency as follows:

Frequency Pair 1:	16 = Receive	17 = Transmit
Frequency Pair 2:	18 = Receive	19 = Transmit

## Writing VFO To Memory

In VFO mode, select the desired frequency, tone (if required), repeater offset (- S +) and Memory channel. Press the **M** button to write to memory.

## Writing Memory To VFO

In Memory mode, select the channel with the desired frequency. Press the **0** key on the numeric keypad. The memory to VFO function is written above the key as **M>V**.

## Lamp

When the **LAMP** button is IN, back lighting of the controls is on. When the **LAMP** button is OUT, back lighting of the controls is off.

## Reverse

Push the **REV** button, to reverse the transmit and receive frequencies. REV will be indicated at the bottom of the frequency display screen when frequencies are reversed.

Push the **REV** button a second time to return to normal operation. VFO frequency entry will not work if REV is on.

## Scan Mode

Push the **SC** to select Scan mode. The **SC** button is located at the bottom of the right column of buttons on the numeric keypad. To stop scanning, key the microphone once. **SCAN** is indicated in top right side of frequency display.

Memory channels can be set so they will be skipped when in scan mode. Select the memory channel to be skipped, then press the LO key (next the letter C on the numeric keypad). An asterisk will appear next to the channel number. To remove the skip setting, select the memory channel and press the LO key. The asterisk will disappear.

## Priority Channel

Memory channel 15 is also the Priority Channel. By pressing the PRIO button, in either VFO or Memory mode, selects the priority channel for transmit and receive. Pressing the PRIO button a second time, returns to the original VFO or Memory channel setting.

## Control Panel Lock

To lock the radio controls, so no accidental adjustments are made, push the F.LOCK button IN. A green light will come on under the F.LOCK button to indicate that the controls are locked. Push the F.LOCK button a second time to unlock the controls. The controls are unlocked when the F.LOCK button is OUT.

## Transmit Power

Use the LOW button to toggle between high power (22 Watts) or low power (5 Watts).

IN = Low Power

OUT = High Power

## SPECIFICATIONS

### Memory Channels

1 to 19, A,b,d,U

(16-17 & 18-19 are frequency pairs for non standard offsets)

### Receive Frequency

142.000 MHz to 148.995 MHz

### Transmit Frequency

142.000 MHz to 148.995 MHz

### Output Power

22 Watts Normal

5 Watts Low

### DC Power

13.8V 6.6A

Measured Current:

Receive Only = 0.4A

Receive + Transmit @5W = 2.2A @ 25W = 4.6A