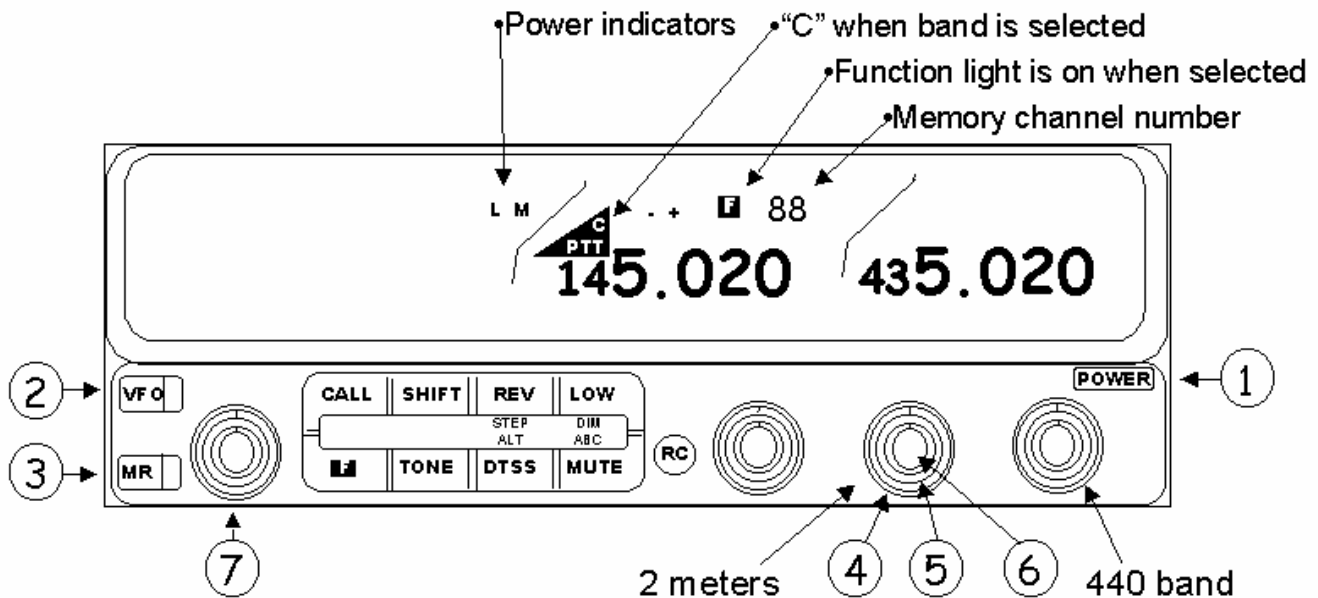


Kenwood TM-742A 2 Meter/440 Transceiver



1. Power On Sequence

- \_\_\_\_\_ 1. Turn on the radio by pressing the **Power Button** (right side).
- \_\_\_\_\_ 2. Make sure the radio is in a known state, first by pressing the **VFO** key.
- \_\_\_\_\_ 3. Then, select Memory Mode by pressing the **MR** button.
- \_\_\_\_\_ 4. Adjust the **Squelch** for 2 meters (outer ring, center knob in group of 3). Also, adjust the Squelch for 440 (outer ring, right knob in group of 3).
- \_\_\_\_\_ 5. Adjust the **Volume** for 2 meters (inner ring, center knob in group of 3). Also, adjust the volume for 440 (inner ring, right knob in group of 3).
- \_\_\_\_\_ 6. Select the 2 meter band for transmit by PRESSING the 2 meter **BAND SELECT**. The inner knob is also a push-button. Verify the "PTT" indicator illuminates above the two most significant digits of the frequency.
- \_\_\_\_\_ 7. Select the 2 meter channel with the **Tuning Control**. The list of frequencies and their programmed channel assignments are listed on the next page. Refer to the Communications Action Plan for the frequency assignments.
- \_\_\_\_\_ 8. Microphone operation is as usual.



2. Memory Input (ref: page 25, 46, 48)

The CARES Frequency line-up should already be loaded in memory. However, if memory was lost, or new frequencies are needed, follow this procedure.

This example will store **145.450** MHz with a - offset in Memory Channel **7**.

- \_\_\_\_\_ 9. Press the VFO key to select VFO mode.
- \_\_\_\_\_ 10. Enter the frequency by using the **Tuning Control**.
- \_\_\_\_\_ 11. Set the Offset by pressing the **SHIFT** key (center group of controls, upper mid-left).

The selection is advanced from “+” to “-“ to no offset, then repeats.

- \_\_\_\_\_ 12. **Select the Tone.** Press the **F** key for longer than one second. The **F** indicator will flash. Press the **Tone** key. Use the **Tuning Control** to select the tone frequency. Once selected, wait for 10 seconds and the previous mode will resume.
- \_\_\_\_\_ 13. Press the **Tone** key. A “**T**” appears above the frequency display.
- \_\_\_\_\_ 14. Press the **F** key momentarily (center group of controls, lower left). The **F** indicator will appear, and a memory channel number will appear.
- \_\_\_\_\_ 15. Select Channel 7 by turning the **Tuning Control**.
- \_\_\_\_\_ 16. Press the **MR** button  within 10 seconds of selecting the memory channel number. The **F** indicator and memory channel number will turn off.
- \_\_\_\_\_ 17. To verify memory channel entry, select Memory Mode by pressing the **MR** button . The display should show the frequency and offset.

**3. Power Control** (ref: page 15)

- \_\_\_\_\_ 18. Pressing the **LOW** key (center group of controls, top right) steps from High (no indicator displayed), to medium (**M** indicator displayed), to low (**L** indicator displayed), and then back to high.

**5. CARES Frequencies**

Channel	Use	Freq	Offset	PL Trans	PL Rec	Repeater
1	Cupertino Tac 1	147.570	S	151.4		
2	Cupertino Tac 2	146.460	S	151.4		
3	Cupertino Tac 3	145.770	S	151.4		
4	SCC Resource Net	146.115	+	100.0		WB6ADZ
5	SCC Resource Alt	145.270	-	100.0		W6ASH
6	SCC Command 1	146.760	-	151.4		WB6OQS
7	SCC Cmd 1 Alt 1	145.450	-	100.0		K6FB
8	SCC Hospital Net	145.230	-	100.0		N6NFI
9	Los Altos Tac	145.570	S			
10	Mt. View Tac	145.870	S			
11	San Jose Command	146.385	+	114.8		W6UU
12	San Jose Tac 1	146.475	S	100.0		
13	San Jose Tac 2	146.430	S	100.0		
14	Saratoga Command	146.655	-	114.8		K6SA
15	Saratoga Tac	146.505	S			
16	Sunnyvale Tac	145.170	-	94.8		
17	Sunnyvale Resource	147.405	S			
18	Sunnyvale Alt	147.495	S			
19	Cupertino Tac 1A	147.570	S	151.4	151.4	
20	Cupertino Tac 2A	146.460	S	151.4	151.4	
21	Cupertino Tac 3A	145.770	S	151.4	151.4	