

Kenwood TH-22AT Operation

To Select a Memory Mode

Press [**VFO**] for Variable Frequency mode to enter a new frequency.

Press [**MR**] for Memory Recall to use a frequency already programmed.

To Enter a new Operating Frequency

Press [**VFO**] for Variable Frequency mode. *Memory number shows blank.*

Rotate knob to increase/decrease frequency by small steps.

Press [**F**] then rotate knob to change by Megahertz steps.

Or, key in new frequency using the numeric keypad

To Select Repeater Shift (Offset)

Check the display to see if the TH-22AT has automatically supplied the right shift.

- + Plus Shift (transmit frequency is higher than receive)
- - Minus Shift (transmit frequency is lower than receive)
- blank No Shift (Simplex – transmit and receive frequency is the same)

Press [**F**] blue function [**SHIFT**] until desired shift mode is displayed. You must press [**F**] each time before [**SHIFT**].

To Select Tone (PL) Mode and Tone Frequency

Press [**T/CT**] repeatedly until the correct tone mode shows in the display.

- T Tone enabled for Transmit. *Use this for (most) repeaters.*
- CT Tone enabled for both transmit and receive. *Not used by TARA.*
- blank Disabled, no tone. *Use this for simplex channels.*

Press and hold [**F**] for 1 sec., then press [**T/CT**]. Turn the knob to select the correct tone frequency, then press any key.

To Program a Memory Channel

Press [**VFO**]. Enter desired frequency, repeater shift, and tone as above.

Press and hold [**F**] for 1 sec. and *observe the display.*

- Rotate knob to select the memory channel you want to program.
- There is a *triangular arrow* ▲ underneath the channel number, solid if channel already contains data, blinking if empty.

When everything is just right, press [**MR**] to store.

To Recall a Memory Channel

Press [**MR**]. Rotate knob to find the desired channel or enter the channel number using the keypad

To Modify a stored Memory Channel

Recall the desired channel. Press [**F**] [**VFO**] to transfer the stored information to the VFO. Proceed to program memory channel.

To Clear (Erase) a stored Memory Channel

This one is a bit tricky. Recall the desired channel, then power the radio off. Press and **hold [MR]** then power the TH-22AT on. *The selected channel is cleared.*

To select transmit power level

To save your battery, use the lowest power level that gives satisfactory communications. Press **[F][PTT]** repeatedly until the power level you want appears in the display.

- blank High Power
- L Low
- EL Extra Low

To change squelch level

You may need to adjust the squelch level, lower to hear weak stations or higher to quiet noise between transmissions. Press **[F][MONI]**, rotate knob to reach desired squelch level. Press any key to end.

Battery Check

Watch the bar graph while transmitting. When it starts to drop, your battery is getting low. Recharge batteries when needed, but avoid overcharging.

Advanced Topics

Please read your TH-22AT manual to learn about features beyond the scope of this paper: menu settings; scanning; paging; DTMF dialing and more.