



TH-22AT/ TH-42AT QUICK START

1. Press VFO
2. Enter Frequency By
 - a) Using the dial knob
 - b) Or entering the last five digits of frequency
3. If Tone Is Required
 - a) Press T/CT
 - b) Press and hold F for more than one second
 - c) Press T/CT
 - d) Using dial knob select tone frequency
 - e) Press T/CT
4. Memory Entry
 - q) Press and hold F for more than one second
 - r) Select memory number using dial knob
 - s) Press MR to store
5. Memory Recall
 - a) Press MR
 - b) Select memory number using dial knob

TH-22AT/TH-42AT FAQ

- Q. Does it receive aircraft?
A. Yes, the TH-22AT Rx range is 136-174 MHz
- Q. Is the keypad backlit?
A. Yes. It has a luminescent key pad that glows in the dark
- Q. My TH-22AT does not have a luminescent keypad
A. You can add the luminescent keypad by following the instructions on Application Note AAN0018
- Q. Can the TH-22AT be cloned?
A. the TH-22AT can be cloned from another TH-22AT using RF. No wires are required. See ANN0013
- A. Can the TH-22AT be used in channel display?
A. The TH-22AT can be setup for channel display allowing only the channel to be changed. No other information is accessible.
- Q. How do I reset the TH-22AT
A. A partial reset is to turn off the radio, press and hold UFO while turning the radio on. For a full reset turn off the radio, press and hold F while turning the radio on

- Q. Is the TH-22AT Mars/Cap capable?
A. Yes, but the information will only be furnished with a copy of your Mars/Cap license.

TH-G71A Quick Start

1. Entering Frequency
 - a) Press band
 - b) Press VFO
 - c) Select frequency by using the dial knob or entering the frequency on the keyboard
 - d) Select shift by pressing F then press SHIFT(REV) until desired shift appears.
2. Select Tone
 - q) Press F then press TONE (LOW) T should appear on display
 - r) Press F then tone SEL (9)
 - s) Using the dial knob select tone frequency
 - t) Press VFO
3. Memory Entry
 - a) Press F
 - b) Select memory number using dial knob
 - c) Press M.IN (MR) to store
4. Recall Memory
 - q) Press MR
 - r) Select Memory number using the dial knob

TH-G71A FAQ

- A. What is the frequency range of the receiver?
Q. 118-174, 320-470, 800-824, 849-869, 894-950
- A. Can the TH-G71A be PC programmed?
Q. Yes, the TH-G71A can be programmed using the PG-4P cable. The software for uploading/downloading channel information. It is free on our web page at www.kenwood.net
- A. My speaker microphone does not work on the TH-G71A?
A. Make sure that menu 15 (TC) transceiver control is turned off.
- A. When using the MCP-G71 software I get a time out error?
A. Make sure that the PG-4P cable is connected to COM 1 or COM 2. If your computer uses a DB-9 for COM 1 OR COM 2, you will need to use an adapter from the PG-4P to your COM Port. Use the Radio Shack adapter #26-269. Menu 15 must be turned on before uploading downloading information from the radio.
- Q. How do you reset partial/reset?
A. Partial reset with radio off hold VFO key. Turn radio on, display will show VFRST? Push VFO again for full reset. With the radio off hold F key turn radio on display will show ALRST, push F again
- Q. Is the TH-G71A capable of Mars/Cap?

- A. Yes, but the information will only be furnished with a copy of your Mars/Cap license.

TH-79A QUICK START

1. Entering frequency
 - a) Press band
 - b) Press VFO
 - c) Select frequency by using the dial knob or entering the last five digits of frequency
2. Selecting tone
 - a) Press band
 - b) Press F then press TONE(SHIFT). T should appear on display
 - c) Press F then press TONE SEL(6)
 - d) Using the dial knob select tone frequency
 - e) Press VFO
3. Memory Entry
 - a) Press F
 - b) Select memory number using dial knob
 - c) Press MRIN (MR) to store
4. Recall Memory
 - a) Select Band
 - b) Press MR
 - c) Select Memory number using dial knob

TH-79A FAQ

- Q. What is the difference between the TH-79A, TH-79AD, & the TH-79AKSS?
A. No memory lock out / with memory will lock out, cloning /Kenwood Sky Command added, cloning, and remote control of the TS-570D/S & TS-870S
- Q. Will the TH-79A receive two frequencies at the same time?
A. Yes, VHF/UHF, VHF/VHF, and UHF/VHF
- Q. Is the TH-79A capable of in band Rx?
A. Yes
- Q. Can you operate the TH-79A in cross-band repeater?
A. Yes, the TH-79A can be a cross band repeater
- Q. Does the TH-79A have channel display?
A. Yes
- Q. Is the TH-79A Mars/Cap capable?
A. Yes, we will furnish the information with a copy of your Mars/Cap license
- Q. Is the TH-79A PC programmable?
A. The TH-79A can be cloned from another TH-79A with the like version but PC programmability is unavailable
- Q. Can I control the TM-V7A with the TH-79A?

- A. Yes, remote control is possible
- Q. When should I replace the lithium battery?
- A. When the radio stops holding memory. The average battery life is 5-7 years.

TH-D7A QUICK START

1. Entering Frequency
 - a) Press A/B to choose the band
 - b) Press VFO
 - c) Press (ENT) button and select your frequency
2. Selecting Tone
 - a) Press F, there will be a flashing number select F-1. Press OK, ON will flash select ON, and press OK.
 - b) Press F, select F-2, press OK. PL will flash, select PL, by turning main tuning knob, press OK again
3. Memory Entry
 - a) Press F then MR button
 - b) Select memory number using main tuning knob
 - c) Press MR to store that frequency
4. To recall Memory,
 - a) Press MR
 - b) Select memory number using main tuning knob

TH-D7A FAQ

- Q. Is the TH-D7A PC programmable?
- A. Yes, and the software package is a PG-4W
- Q. Is the TH-D7A capable of cross-band RPT?
- A. No, you may not use the TH-D7A as a cross band repeater, you may use it to cross band Repeat with the TM-V7A, TM-742A, and the New TM-D700A
- Q. Is it capable in band RX?
- A. VHF/UHF, UHF/VHF only
- Q. I am unable to make the GPS work with my TH-D7A?
- A. Please check the settings on the TH-D7A, and GPS unit
- Q. I am unable to find the PG-4W?
- A. It is a current accessory. Call your local Amateur Radio Dealer
- Q. I get a time out error when uploading and downloading memory from the PC?
- A. Check to see if you are using COM1, or COM2, and nothing can be sharing that port
- Q. How do I reset messages on the TH-D7A?
- A. You can not without a total CPU reset.
- Q. Will it remote control the TM-V7A?
- A. Yes, the TH-D7A can run the TM-V7A remotely

- Q. Can I use the BC-17 while operating the radio?
A. No, the BC-17 is a charger only, not a power source
- Q. What do I need to make the Sky Command work?
A. TH-D7A (2), PG-4R (1), and (1) TS-570S/D(G), or TS-870S

VC-H1 FAQ

- Q. How many pictures can I store?
A. 10 pictures in memory
- Q. Can I send pictures without using the VC-H1?
A. Yes
- Q. Can I send moving pictures
A. No, SSTV is still shots only
- Q. Can I use the VC-H1 with non Kenwood radios?
A. The VC-H1 can be used on any transceiver. The supplied cable is wired for Kenwood handhelds
- Q. What are the pixels?
A. The pixels are 270,000 and the resolution is 572 x 492 pixels
- Q. What modes does it have?
A. Robot 36, 72, Scottie S1, S2, AVT 90, 94, Martin M1, M2, Fast FM
- Q. Can it be connected to a video monitor?
A. Yes
- Q. Does it come with software?
A. No. You can get the KCT-24S software from your dealer
- Q. Does Kenwood make cables for other radios?
A. No
- Q. Will it accept NTSC video input?
A. NO
- Q. Can I connect a digital camera or video camera?
A. Yes. You can a digital camera for higher resolution pictures if you like.

TM-261A/ TM-461A QUICK START

1. Entering Frequency
 - a) Press VFO
 - b) Select frequency using the dial knob
 - c) If required, select shift by pressing F then shift until proper offset appears

2. Selecting Tone
 - a) Press tone until T appears on the display
 - b) Press F for more than one second
 - c) Using the dial knob, go to menu "TO"
 - d) Press SEL (VFO) key. Tone frequency should blink
 - e) Select tone using the dial knob
 - f) Press F
3. Memory Entry
 - a) Press F
 - b) Select memory number using the dial knob
 - c) Press MR to store
4. Recall Memory
 - a) Press MR
 - b) Select memory number using the dial knob

TM-261A/TM-461A FAQ

- Q. Does the TM-261A direct entry?
A. Yes, via the MC-53DM microphone
- Q. How do you store alpha in the TM-261A?
A. When you have chosen a memory, turn the radio off, hold down the MN button. Turn the radio on, then push REV and follow the instructions in the manual
- Q. Can the brightness be adjusted?
A. The display lighting has no adjustments
- Q. Will the TM-261A clone?
A. Yes, it will clone with another TM-261A

TM-331A QUICK START

1. Entering Frequency
 - a) Press VFO
 - b) Select frequency using the dial knob
 - c) If required select shift by pressing the shift key until the desired offset is chosen (-) or (+)Selecting Tone
 - d) Press Tone key until a T appears in the display
 - e) Press the F key for more than one second.
 - f) Press Tone again, select tone frequency from main tuning knob
 - g) Press F
2. Memory Entry
 - a) Press F
 - b) Select memory number using the main tuning knob
 - c) Press MR to store
3. Recall Memory
 - a) Press MR
 - b) Select memory number using main tuning knob

TM-331A FAQ

- Q. Does it come with a back-lit microphone?
A. Yes, the new TM-331A comes with a MC-52DM back-lit microphone
- Q. How many memories does it have?
A. It has 20 memories
- Q. What is the output power?
A. The output is 25 watts

TM-642/TM-742 QUICK START

1. Push the VFO button
2. Enter the desired frequency
3. Push the SHIFT button to select + or -
4. Push the TONE button, so the T appears in the display
5. Selecting tone/encode, push the F button for more than two seconds, then push TONE. The PL/Encode number will be displayed (example 88.5). Turn the main tuning knob to the desired PL, then push the F button to go back to the normal display.
6. Storing all this information into MEMORY, push the F button and release it the numbers for memory will appear in the right of the display. Turn the main tuning knob to the desired Memory of your choice, then push MR button this will store all the information into the memory you choose
7. To recall that Memory just push the MR button

TM-642/742 FAQ

- Q. Can the TM-642A/TM-742A cross band repeat?
A. Yes, it can cross band repeat
- Q. Can you see and hear all three bands
A. Yes, you can see and hear all three bands simultaneously
- Q. Is the front face detachable?
A. Yes, it is with optional DFK-3, 4, 7 detachable front panel kits
- Q. Is it Mars/Cap modifiable?
A. Yes, we will furnish the information with a copy of your Mars/Cap license
- Q. How many memories does it have?
A. 101 memories per band
- Q. Will it receive aircraft?
A. Yes, the frequency range on VHF band 118.000 – 174.000 MHZ

TM-G707A QUICK START

1. Push the VFO key
2. Enter the desired frequency
3. Push the Tone key until the T shows in the display for repeaters with PL/Encode

4. Push the F key then Shift key to select your + or – offset
5. Push the F key, then push the T.Sel key, at this time the PL/Encode number will appear (example 88.5 will be flashing) turn the main tuning knob to select the desired PL/Encode.
6. To store all this information into Memory, push the F Key, and when the memory numbers appear to the right of the frequency display turn the main tuning knob to the desired memory of your choice, push the MR key to store the information.
7. To recall that memory just press MR again.

TM-G707A FAQ

Q. Can the TM-G707A do cross band repeat?

A. No, the TM-G707A will not be a cross band repeater with full duplex, because the radio is only a single IF , and single display read out. The radio is capable of cross band operation. Please look at page 64 in the instruction manual for more information.

Q. Can it be hooked up to a 9600 BPS modem?

A. Yes, it will do 1200, & 9600 baud

Q. How big is the display?

A. It is the biggest display in any of our mobile radios.

Q. Will it receive both bands at the same time?

A. No, it will only receive one band at a time, because it is single IF single display

Q. What is the receivers frequency range of the TM-G707A?

A. With the receive modification on our web page under RX Mod's the TM-G707A will Receive from 118.000- 173.995, 320.000-399.995, 400.000-523.995, 800.000-823.9875, 849.000-865.9875, 894.000-949.9875 MHZ.

Q. Can it be programmed with a PC?

A. Yes, it can be programmed with a PC with the optional PG-4S programming cable, and the Software can be downloaded from our FTP site on the Kenwood web page.

Q. Does the TM-G707A have good intermodulation rejection?

A. Yes, it has great inter mod rejection, and with the added AIP (Advance Intercept Point) helps greatly with unwanted signals.

TM-V7A QUICK START

1. Push the VFO key
2. Enter the desired frequency
3. Push the TONE key, until a T shows in the display for repeaters that require PL/Encode
4. Push the F key then SHIFT to select the proper offset + or –
5. Push and hold the F key for at least 2 seconds, it will beep twice, and a F will flash
6. Push the T.SEL key, at this time the PL/Encode number will appear (example 88.5) Turn the main tuning knob to select the desired PL/Encode.
7. To store all this information into Memory, push the F key, and when you see the memory Numbers come up above the frequency display turn the main tuning knob to the desired Memory of your choice.
8. To recall that memory just push the MR key again

TM-V7A FAQ

Q. Does the TM-V7A do crossband repeat?

A. Yes, it does full duplex cross band repeat

Q. Can the TM-V7A be remote controlled?

A. Yes the TM-V7A can be controlled remotely

Q. My TM-V7A will not hold memories?

A. Yes it will just Push the PM key, and then VFO key

Q. Using the optional VS-3 voice synthesizer what information will it announce?

A. It will announce VFO, MR, PM, MENU, & Frequency

Q. Can I display Alpha Numeric, and frequency display at the same time?

A. Yes you may view both simultaneously

Q. Is the TM-V7A PC programmable?

A. Yes it is PC programmable with the Optional PG-4S programming cable. The software is our on Web Page for Free downloading.

Q. Is the TM-V7A easy to program?

A. Yes it is, and it has a Guide built-in if you misplace your manual

Q. How do I use the automatic simplex checker?

A. Press the REV for 2 seconds the ASC indicator will show, when it blinks simplex communication Is now possible.

Q. What is the data port used for?

A. It is used for data communication, and also for PC programming.

TM-D700A QUICK START

1. Press the VFO Key
2. Enter the desired frequency
3. Press the F key then the Shift key to select your offset – or +
4. For repeaters with a PL/Encode press the Tone key until a T shows in the display
5. Selecting a PL/Encode frequency (example 100.0) , press the F key then press the T.Sel
6. The PL/Encode number will appear in the display flashing, turn the main tuning knob to the desired PL/Encode, then press OK.
7. Storing this information in memory, press the F key the memory number will be flashing in the top of the display. Turn the main tuning knob to select desired memory number, then press the M.IN key to store it.
8. To recall memory press MR key

TM-D700A FAQ

Q. Is the TM-D700A PC programmable?

A. Yes, it is via the RS232 DB-9 connection in the front on the radio. It may be done with a Straight DB-9 to a DB-9, it can NOT be a null cable.

Q. Does the TM-D700A have a built-in TNC?

A. Yes, it's a 1200/9600 baud TNC

Q. Will the TM-D700A cross band repeat

A. Yes is it a full duplex cross band repeater

Q. Does the TM-D700A have Sky Command?

A. Yes it has Sky Command, and with TWO TM-D700A with either a TS-570, or TS-870S can be Operated remotely

Q. I hear the TM-D700A has the DX packet cluster included, how does this work?

A. Well you need to enter the local DX packet cluster frequency, and engage the TNC, when a DX Spot get posted the DX country (call sign), UTC time, and Frequency will be displayed on the TM-D700A.

Q. Does the TM-D700A have DCS (Digital Coded Squelch)?

A. Yes, it also has built-in Encoder/Decoder

Q. Can you monitor VHF/UHF simultaneously with the TM-D700A?

A. Yes

Q. How many memories does the TM-D700A have?

A. 200 memories, and you may also enter Alpha Numeric with up to 8 characters.

Q. Does the TM-D700A have a Broad Band Receiver?

A. Yes, and the frequency range is from 118 ~ 524 MHZ, 800 ~ 1300 MHZ (excluding cellular)

TS-50S FAQ

Q. How do I connect the TS-50S to a computer?

A. You need 2 optional accessories, 1 – IF-232C interface unit, and 1 – IF-10D interface unit.

Q. How do I change from USB/LSB?

A. Press the F.Lock for more than 2 seconds, press the A/B button until the A indicator appears. Turn the main tuning knob to Menu 04, and select ULC by using the up, and down buttons. To exit and go back to the normal display press the F. Lock button again.

Q. How many filters can be installed?

A. One, and it's the YK-107C 500 KHZ CW filter

Q. Does the TS-50S have a tone/encoder for 10 FM repeaters?

A. Yes, its Menu # 53

Q. Do I need an antenna tuner?

A. No, not if you have the VSWR under 1.5 to 1. There is an optional matching automatic antenna tuner for the TS-50S , and the model number is AT-50.

Q. Can I control the AT-50 Automatic Antenna Tuner with my TS-50S?

A. Yes

TS-570D/S(G) FAQ

Q. Can I add 6 meters to my TS-570D(G)

A. No, they are different radio's

Q. Why does my TS-570D/S (G) have a * in the display?

A. Because you have gone into the MENU 50, and have turned on the RX Equalizer.

Q. What is the difference between the D, and the D(G)

A. The upgrade consists of replacing the 64 pin CPU, which will add 5 more position on your menu choices. This is the FIRST time any manufacturer has come out with a newer model, and has given the opportunity to its customer to upgrade without having to buy a New radio...WOW...

Q. Can I use my TS-570 D/S(G) for QRP use?

A. Yes you sure can, and the power adjustments start at 5 watts and go up to 100 watts in increments of 5 watts at a time.

Q. How can I upgrade my TS-570D/S?

A. By sending it to Kenwood Service Center East or West only. The upgrade is \$125.00 plus shipping.

Q. Can I mount my TS-570D/S in my car?

A. Yes with the optional MB-430M2 mounting bracket

Q. How do I interface my TS-570D/S to a computer?

A. The back of the TS-570D/S has a RS232 port with a DB-9 connector, you do not have to Buy any optional external interface units for the TS-570D/S. Also the RCP software for the TS-570D/S is on the Kenwood web page www.kenwood.net. It is pretty simple just get a straight through DB-9 to DB-9 for computer hook up.

Q. Can the TS-570D/S be used with digital modes such as packet, and PSK-31?

A. Yes

Q. Will the automatic antenna tuner on the TS-570S also tune on 6 meters?

A. Yes it will tune 6 meters also

Q. Is the tone/encoder unit included in the TS-570D/S?

A. Yes , and its on menu number 18

Q. What are the connections for hooking up an amplifier?

A. Pin 4 is Relay, Pin 2 is Ground, and Pin 6 is ALC

Q. Can the TS-570D/S be remote controlled?

A. Yes it can with Kenwood Sky Command using either TWO (2) TH-79AKSS, or TWO TH-D7A, or TWO TM-D700A, or ONE TH-D7A, and ONE TM-D700A. Some optional cables are required for use with the handhelds, and mobile radio.

Q. I have made the right connection for an amplifier, but my amplifier does work why?

A. Go to menu 39, and turn the amplifier relay to the ON position

Q. Does the TS-570D/S have a built-in keyer?

A. Yes

TS-870S FAQ

Q. How does my TS-870S interface with a computer?

A. The back of the TS-870S has a RS232 port with a DB-9 connector, you do not need to buy any optional external interface unit for the TS-870S
It is pretty simple just get a straight through DB-9 to DB-9 for computer hook up.

Q. Can the TS-870S be controlled remotely?

A. Yes it can with Kenwood Sky Command using either TWO TH-79AKSS, or TWO TH-D7A, or TWO TM-D700A, or ONE TH-D7A, and ONE TM-D700A. Some optional cables are required for use with the handheld's, and mobile radio's.

Q. Does my TS-870S require any optional filters?

A. No it does not require any optional filters. It does all its filtering through the IF DSP in the TS-870S.

Q. Does the TS-870S have an automatic antenna tuner?

A. Yes, and its will tune 10-160 meters.

Q. What are the connections for hooking up an amplifier?

A. Pin 4 is relay, Pin 2 is Ground, and Pin 6 is ALC

Q. I have made the right connection for an amplifier, but my amplifier does work why?

A. Go to menu 51, and turn the amplifier relay to the 1, 2 position.

Q. Is the tone/encoder unit included in the TS-870S?

A. Yes, its on menu number 57

Q. Can the TS-870S be used with digital modes such as packet, and PSK-31?

A. Yes

Q. Does the TS-870S have a built-in keyer?

A. Yes

TS-950SDX FAQ

Q. Does the TS-950SDX come with a built-in power supply, or does it run off 12 volts

A. It comes with a built-in power supply for direct AC connections.

Q. What is the power output of the TS-950SDX?

A. 200 watts output

Q. Can you run split frequency operation, and listen to both VFO's?

A. Yes you may run split operation, and listen to both sides of the conversation on VFO A, and VFO B simalteously within the same band.

Q. Does the TS-950SDX have an automatic antenna tuner?

A. Yes

Q. Is the tone/encoder unit included in the TS-950SDX?

A. Yes, its on menu number 57

Q. What are the connections for hooking up an amplifier?

A. Pin 4 is relay, Pin 2 is Ground, and Pin 6 is ALC

Q. I have made the right connection for an amplifier, but my amplifier does work why?

A. Go to the back of the radio, and turn the switch Linear Amp to the left for the on position.

Q. Does the TS-950SDX have a built-in keyer?

A. Yes