

# **FT-50R**

# **Quick Code Sheet**










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Symbols: = turn knob, = press knob down, "→" = do sequentially, "+" = hold simultaneously "[ sym. ]" hold sym. ½ sec. (2 beeps sound) Some functions apply only to FTT-12 keypad versions. For Menu functions, press the knob, then turn it to select, then press again to accept, and press PTT to exit.

FUNCTIONS	COMMANDS	PG
APO (Auto Power Off)	Menu function APO 16. Select 0.5, 1, 3, 5 or 8-hours of inactivity before auto shutoff. Keypad sequence: →  →  → PTT.	49
ARS (Auto Repeater Shift)	Menu function ARS 05. Activate/deactivate automatic shift when receiving in a standard repeater subband.	23
ARTS (Auto Range Transpond System)	Press  until <b>DCS</b> appears. Press  to select rx/tx or transceive ARTS operation, then  again to exit ( <b>DCS</b> blinks). Press same buttons to disable. Also, select 15 or 25-sec ARTS polling interval with ARTS 25 (SPED), and enable/disable ARTS beep with ARTS 25 (BEEP).	30, 41
Auto Mode Select	Setting menu function AMOD 31 to off disables the automatic mode selections (NFM, WFM, AM) according to frequency bands. RMOD 32 temporarily overrides auto mode selection.	22-23
Battery Power Saver (Rx)	Menu function RSAV 14. Select receive/sleep ratio, or ABS (automatic) or OFF. Keypad:  →  →  → PTT.	49
BCLO (Busy Channel Lock Out)	Menu function BCLO 23. Inhibit transmitting on busy channel.	35
BUSY LED	Menu function LGT 19. To minimize battery drain.	50
Channel Step Set	Menu function STEP 10, or  → . Setting affects only current VFO or memory.	20
Control Customizations	Menu function KEY 21. SEL – select a Menu function for quick access (). H/R – reverse function of  button. M/T – choose function for button below PTT: squelch override ( <b>FIN</b> ), or 1750-Hz tone burst ( <b>TFL</b> ).	51, 13
CTCSS/DCS Ringer	Menu function BELL 18. Set the ringer to sound 1, 3, 5, 8 or repeat, when CTCSS/DCS squelch opens.	34
CTCSS/DCS On/Off	Enable/disable subaudible tone systems. Keypad: press  to display <b>I</b> , <b>ISO</b> or <b>DCS</b> (or none of these = disabled). Tone squelch is not available in FTT-11 keypad versions.	33
CTCSS Tone Set	With CTCSS enabled (as above): press  →  to display tone frequency. Turn  to select, and press  momentarily to finish.	33
CTCSS Scan	Scan channel for subaudible CTCSS tone. Tone squelch ( <b>ISO</b> ) must be enabled. With tone frequency displayed, hold  for ½ second. To pause, press  twice, momentarily.	35

FUNCTIONS	COMMANDS	PG
Memory Store	Store displayed frequency/shift/power and current step in a memory: [G W] → [M] → MR SKIP* (p. 25). To store a custom tx offset in an existing memory, hold PTT when pressing [M] in above.	27
Memory Tune	Temporarily change a memory: press MR SKIP* when receiving. MT appears at left. Press MR SKIP* again to cancel changes, or store again to retail changes.	26
Memory Name Set	Menu function NAME 03. Select 'on' to display, then [M] → [M] → [M] → [M] → [M] → [M] to set characters, and PTT when done.	30-31
Paging Answer Back	In Menu function PAGE 27, function ASBK. Select 'on' to automatically respond to a page.	39
Paging Bell (rings)	In Menu function PAGE 27, function BELL. Select 1, 3, 5 or 8 rings, or repeat.	40
PTS (Preset Tuning and Scanning)	Store low band-edge in L1, L2, L3, L4, or L5, and the high edge in it's "U" pair. Recall either memory, then press MR SKIP* to activate Memory Tuning (MT displayed at left).	28
Record Protect	Menu function RPRT 29 to on to protect recorded voice memory.	46
Repeater Input Tracking	Menu function RPTL 09 to on. Tracks repeater input frequency within repeater subbands.	24
Repeater Shift	Menu function RPTR 06 selects +/-/simplex (or keypad [G W] → [S RPT] → [M] → [S RPT]). Change offset with Menu function SHFT 07.	23
Repeater Input Monitor	Press [RVM]; shift sign blinks when reversed.	24
Scanning	VFO scan: hold [VFO] for ½ second while receiving on a VFO. Memory scan: hold MR SKIP* for ½ second while receiving on a memory. Press PTT once to stop.	27
Scan Resume Mode	Menu function RESM 11. Select 5-sec pause, or resume on carrier drop ([RFR]).	27
Scan Skip Memory	With memory recalled, press [G W] → MR SKIP*. SKIP displayed when memory is set to be skipped.	27
Squelch (NFM/AM)	Menu function SQL 01. Select level 0 to 15 (0 = no squelch). Keypad: [G W] → [SQL].	15, 17
Squelch (for WFM - TV/FM broadcast)	Menu function WSQL 30. Select level 0 to 15 (0=no squelch: recommended).	22
Sub Display	Menu function SUB 04 selects on, off or DC voltage display.	20
Transmit Battery Saver	Menu function TSAV 15. Select 'on' to automatically reduce power when full-strength signal received.	50
Transmit Power (High/Low)	Press [G W] → [POWER]. Low level set: Menu function TXPO 02. Select L1, L2, L3 or HI.	18, 20
Transmit Time-Out Time	Menu function TOT 22. Limit tx time to 10 min.	32

FUNCTIONS	COMMANDS	PG
CW ID On/Off	Menu function CWID 26. To set your callsign, select on, then $\text{[M]} \rightarrow \text{[F]} \rightarrow \text{[M]} \rightarrow \text{[F]} \rightarrow \text{[M]} \rightarrow \text{[F]} \dots \text{[M]} \rightarrow \text{PTT}$ . Your call is sent every 5 minutes during ARTS, and with automatic voice message replies.	42
Digital Voice Functions	see Voice Memory Setup, Voice Playback and Voice Recording	
DCS Code Set	With DCS enabled (see CTCSS/DCS On/Off): press $\text{[M]} \rightarrow \text{[M]} \rightarrow \text{[M]}$ to display tone code at left. Then $\text{[M]} \rightarrow \text{[M]}$ .	33
DCS Scan	Scan channel for subaudible DCS tone code. DCS ( <b>DCS</b> ) must be enabled. With tone code displayed, hold $\text{[M]}$ for 1/2 second.	35
DTMF Autodialer (On/Off/Playback)	Press $\text{[M]} \rightarrow \text{[M]}$ ( <b>30MF</b> appears when on). To transmit, hold the PTT and press the numbered key of the AutoMenu memory. To playback in the speaker only, $\text{[M]} \rightarrow \text{[M]}$ (and $\text{[M]}$ when done).	44
DTMF Autodial Memory Set	With the autodial feature enables (see above) $\text{[M]} \rightarrow \text{m\#} \rightarrow \text{[M]} \rightarrow \text{d1} \rightarrow \text{d2} \rightarrow \text{d3} \rightarrow \dots \text{[M]}$ , where m# is the DTMF memory number to set (1-8), and d1, d2, d3... are digits of number to dial (up to 16). If a memory has been stored, it plays back when m# is pressed.	43
DTMF Code Squelch/Paging On/Off	Press $\text{[M]} \rightarrow \text{[M]}$ sequentially activates PAGE, T.PAGE, and CODE modes, and off. DTMF code is displayed at right when enabled.	34-38
DTMF Code Set	Press $\text{[M]} \rightarrow \text{[M]} \rightarrow \text{[M]} \rightarrow \text{c1} \rightarrow \text{c2} \rightarrow \text{c3} \rightarrow \text{[M]}$ , where c# = code digit (number key). Code displayed at left, code memory number at right. Press $\text{[M]}$ to inhibit response.	35-37
DTMF Speed & Delay	Menu function PAGE 27, SPED function selects 50 or 100 ms DTMF intervals. DLAY function selects 250/450/750/1000-ms delay after PTT.	39
Dual Watch	With memory or VFO configured, press $\text{[M]} \rightarrow \text{[M]}$ .	29-30
Duplex Split VFO Operation	Menu function VDUP 08 to on for split VFO operation (Rx on VFO A, Tx on VFO B).	21
Home Memory Channel	Recall: $\text{[M]} \rightarrow \text{[M]}$ , repeat sequence to revert. To store (displayed data): press $\text{[M]}$ .	26
Key Beeper	Menu function BEEP 13. Keypad: $\text{[M]} \rightarrow \text{[M]} \rightarrow \text{[M]} \rightarrow \text{[M]}$ .	50
Lamp Mode	Menu function LAMP 20. Select <b>SEEC</b> (when LAMP button pressed), <b>KEY</b> (5 sec. when any key pressed) or <b>TGL</b> (toggle with LAMP button).	51
Lock Controls	Menu function LOCK 17. Lock keys, knob, PTT or combination. To lock/unlock, press $\text{[M]} \rightarrow \text{[M]}$ .	32
Memory Masking	To hide: with the memory displayed, $\text{[M]}$ , then press $\text{[M]}$ . To unhide: recall any memory, $\text{[M]}$ , turn $\text{[M]}$ to recall the hidden memory, press $\text{[M]}$ to unmask.	31
Memory Recall	From VFO, press $\text{[M]}$ to recall last-used memory. Turn $\text{[M]}$ or press number and $\text{[M]}$ to select a memory.	25

FUNCTIONS	COMMANDS	PG
Tuning Step	See "Channel Step Set"	
VFO A/B	Press  momentarily while receiving on a VFO. <b>A</b> or <b>B</b> indicates VFO.	19
Voice Memory Setup (FTT-12 keypad only)	Menu function RTIM 28. Select 1- to 10-sec length of REC2 segment for auto-tx, or OFF for single (rx) segment (no auto playback). If REC2 is set, length of REC1 is 20 – REC2 length.	45
Voice Recording (FTT-12 keypad only)	<p>Mic: REC/REC1 – hold  for ½ sec., hold PTT and speak into mic (countdown displayed). REC2 – as above, but turn  to select REC2 before recording. Press  to stop before countdown to 0.</p> <p>On-air (manual): REC/REC1 hold  for ½ sec. AREC displayed. When squelch opens, REC1 and countdown display during recording. Each event overwrites the last. Turn off the radio to cancel.</p>	45
Voice Playback (FTT-12 keypad only)	Speaker: REC/REC1 – hold  button ½ sec. REC2 – as above, but press  first. Transmit: REC/REC1 – press  momentarily while holding PTT. REC2 – hold  down ½ sec while also holding PTT.	43
VMPS Voice Mail Paging System (FTT-12 keypad only)	see page 47 for details	47