

Kenwood TH-F6A Quick Reference

List of keys and their operation

Key	Number	Function	Shifted (f) Key	Function	Hold (1 s) Key	Function
LOW	I	Select current receiver transmission output power: H / L / EL	BATT	Display remaining battery capacity		
BAND	2	Select current receiver frequency band	MODE	Select receiving mode: FM / WFM / AM / LSB / USB / CW		
A/B	3	Select current receiver	DUAL	Select single or dual receiver operation		
f	A				(lock)	Lock keys
INFO	4	Recall information channel	VISUAL	Start visual scan of 5 frequencies on either side of current frequency	INFO	Start Information channel scan
SQL	5	Adjust squelch level for current receiver	VOX	Select VOX on / off		
BAL	6	Adjust volume balance between receivers	PRI	Start priority channel scan		
VFO	B	Select frequency manually	M>V	Copy memory frequency to VFO	VFO	Start band or program scan
TONE	7	Turn repeater tone / CTCSS / DCS function on or off	T.SEL	Select repeater tone / CTCSS / DCS frequency	TONE	(Tone on) Tone / CTCSS / DCS frequency ID scan
REV	8	Swap the transmit and receive frequencies	SHIFT	Select repeater transmit frequency offset direction: + or -	REV	Automatic Simplex Check
MN f	9	Select display of memory name or frequency	MN.IN	Store name of current memory channel		
MR	C	Recall frequency from memory channel	M.IN	Store frequency into memory channel	MR	Start all memory channel scan
MHz	*	Adjust VFO frequency MHz digits	L.OUT	Lock out scan of current memory channel	MHz	(VFO) Start MHz scan (MR) Start group scan
FINE	0	Select fine tuning function on B Receiver on frequencies below 470Mhz (LSB, USB, CW, & AM)	STEP	Select fine tuning frequency step: 33 / 100 / 500 / 1000 Hz		
ENT	#	(VFO) Enter frequency digits (MR) Enter channel number (3 digits)	(bell)	Turn on tone alert for selected frequency or memory channel		
CALL	D	Recall the Call channel for current frequency band	C.IN	Store current frequency into Call channel for current frequency band	CALL	Start alternating Call channel and current frequency scan ¹
PTT		Push To Talk				
LAMP		Illuminate display for 5 seconds	LAMP	Illuminate display continuously		
MONI		Pause scan / Disable squelch function while pressed	MONI	Select attenuator on / off for both receivers		

Joystick Operation

Key	Function
MNU	Enter Menu mode
↑ (up)	Scroll up (menu, freq., memory)
↓ (down)	Scroll down (menu, freq., memory)
⏏ (left)	ESCape (cancel)
⏏ (right)	OK

Menu Function List

On the Display	Menu #	Function	Selections	Default	Ref. Page
SCAN RESUME	1	Scan resume method	TIME / CARRIER / SEEK	TIME	27
M.GRP LINK	2	Memory Group Link configuration	0 1 2 3 4 5 6 7	No Links	24
MR METHOD	3	Memory Recall condition	ALL BANDS / CURRENT BAND	ALL BANDS	16
PROG VFO	4	Programmable VFO frequency range (A receiver only)			39
AUTO OFFSET	5	Auto Repeater Offset function	ON / OFF	ON	13
OFFSET	6	Repeater offset frequency	0.00 ~ 59.95 MHz in steps of 0.05 Mhz		12
TUNE ENABLE	7	Permit use of the Tuning control when the keys are locked	ON / OFF	OFF	38
TX INHIBIT	8	Inhibit the transmission	ON / OFF	OFF	40
SP/MIC JACK	9	Select the SP/MIC jack function	SP/MIC / TNC / PC	SP/MIC	45, 46
DTMF STORE	10	Store DTMF numbers in DTMF memories		No Data	31
DTMF SPD	11	DTMF tone transmission speed	FAST / SLOW	FAST	32
DTMF HOLD	12	Hold the transmission for 2 seconds between DTMF key entries	ON / OFF	OFF	31
DTMF PAUSE	13	The pause duration while transmitting DTMF tones	100 / 250 / 500 / 750 / 1000 / 1500 / 2000 ms	500 ms	32
DTMF LOCK	14	Disable DTMF transmission with keys	ON / OFF	OFF	32
PWR-ON MSG	15	Power-on message	8 characters	HELLO !!	39
CONTRAST	16	LCD display contrast	1 ~ 16	8	37
BAT SAVER	17	Battery saver receiver shut-off period	OFF / 0.2 / 0.4 / 0.6 / 0.8 / 1.0 / 2.0 / 3.0 / 4.0 / 5.0 sec.	1.0 sec.	37
APO	18	Automatic Power Off function	OFF / 30 / 60 min.	30 min.	36
KEY BEEP	19	Beep function	ON / OFF	ON	37
VOX on BUSY	20	Allow VOX transmission when the receiver is busy	ON / OFF	OFF	42
VOX GAIN	21	Set the VOX gain sensitivity	0 (least) ~ 9 (most)	4	41
VOX DELAY	22	Adjust the VOX delay time	250 / 500 / 750 / 1000 / 1500 / 2000 / 3000 ms	500 ms	41
CALL KEY	23	Select a function for the CALL key	CALL / 1750 Hz	CALL	19
1750 HOLD	24	Hold the TX status when a 1750 Hz tone is transmitted	ON / OFF	OFF	13
BEAT SHIFT	25	Shift the internal CPU clock frequency	ON / OFF	OFF	37
BAR ANT	26	Enable the internal bar antenna below 10.1 MHz	ENABLED / DISABLED	ENABLED	34
LANGUAGE	27	Select the menu language	ENGLISH / JAPANESE	ENGLISH	9
PACKET	28	Select an external TNC packet speed	1200 / 9600 bps	1200 bps	45
FM NARROW	29	FM narrow band operation	ON (2.5kHz) / OFF (5kHz)	OFF	39
BATTERY	30	Select a battery type	LITHIUM / ALKALINE	LITHIUM	36
RESET?	31	Select a reset mode	NO / VFO RESET / MENU RESET / FULL RESET	NO	50

¹ If the Call channel is not available for the current operating frequency, an error beep sounds.

Scan Types

Scan Type		Purpose
Normal Scan	Band Scan	Scans the entire band of the frequency you selected
	Program Scan	Scans the specified frequency ranges stored in the memory channels L0/U0 – L9/U9
	MHz Scan	Scans the frequencies within a 1 MHz range
Memory Scan	All-Channel Scan	Scans all memory channels from 0 to 399, based on your Menu #3 settings
	Group Scan	Scans the specified memory channel groups, based on your Menu #2 settings
Call Scan	VFO	Scans the Call channel and the current VFO frequency
	Memory Channel	Scans the Call channel and the selected memory channel
Priority Scan		Checks the activities on the specified priority channels (Pr1/Pr2) every 3 seconds
Information Channel Scan		Scans the information channels
Visual Scan	VFO	Scans ± 5 frequencies in the programmed step size near the current operating frequency. The signal strength of each frequency is displayed in a bar graph.
	Memory Channel	Scans ± 5 memory channels near the current memory channel. The signal strength of each channel is displayed in a bar graph.

B-band Frequency Coverage

Band	Frequency	Step	Mode
AM band	100 kHz – 520 kHz	5 kHz	AM
	520 kHz – 1.8 MHz	10 kHz	AM
HF	1.8 MHz – 3.5 MHz	100 Hz (FINE ON)	AM
	3.5 MHz – 4.0 MHz		LSB
	4.0 MHz – 7.0 MHz		AM
	7.0 MHz – 7.3 MHz		LSB
	7.3 MHz – 10.1 MHz		AM
	10.1 MHz – 10.15 MHz		CW
	10.15 MHz – 14.0 MHz		AM
	14.0 MHz – 14.35 MHz		USB
	14.35 MHz – 18.068 MHz		AM
	18.068 MHz – 18.168 MHz		USB
	18.168 MHz – 21.0 MHz		AM
	21.0 MHz – 21.45 MHz		USB
	21.45 MHz – 24.89 MHz		AM
	24.89 MHz – 24.99 MHz		USB
	24.99 MHz – 28.0 MHz		AM
	28.0 MHz – 29.7 MHz		USB
6 m	29.7 MHz – 50.0 MHz	25 kHz	FM
	50.0 MHz – 54.0 MHz	10 kHz	
FM band	54.0 MHz – 108.0 MHz	100 kHz	FMW
Air band	108.0 MHz – 137.0 MHz	12.5 kHz	AM
2 m	137.0 MHz – 144.0 MHz	5 kHz	FM
	144.0 MHz – 148.0 MHz	5 kHz	
	148.0 MHz – 174.0 MHz	5 kHz	
VHF TV	174.0 MHz – 216.0 MHz	50 kHz	FMW
1.25 m	216.0 MHz – 220.0 MHz	12.5 kHz	FM
	220.0 MHz – 225.0 MHz	20 kHz	
	225.0 MHz – 400.0 MHz	12.5 kHz	
70 cm	400.0 MHz – 420.0 MHz	12.5 kHz	FM
	420.0 MHz – 450.0 MHz	25 kHz	
	450.0 MHz – 470.0 MHz	12.5 kHz	
UHF TV	470.0 MHz – 806.0 MHz	50 kHz	FMW
23 cm	806.0 MHz – 1240.0 MHz	12.5 kHz	FM
	1240.0 MHz – 1300.0 MHz	25 kHz	

Output Power

Battery Type	Output Power Selection	Output Power (Approx.)	Operating Time in Hours (Approx.)		
			2 m	1.25 m	70 cm
PB-42L (7.4 V)	H	5.0 W	6.5	6.0	6.0
	L	0.5 W	12.0	11.5	11.5
	EL	0.05 W	16.0	15.5	14.5
BT-13 (6.0 V)	H	0.5 W	5.0		
	L	0.3 W	6.0		
	EL	0.05 W	8.0		
DC IN (13.8 V)	H	5.0 W			
	L	2.0 W			
	EL	0.5 W			

Phonetic Alphabet

Letter	Phonetic	Letter	Phonetic
A	Alpha	N	November
B	Bravo	O	Oscar
C	Charlie	P	Papa
D	Delta	Q	Quebec
E	Echo	R	Romeo
F	Foxtrot	S	Sierra
G	Golf	T	Tango
H	Hotel	U	Uniform
I	India	V	Victor
J	Juliette	W	Whiskey
K	Kilo	X	Xray
L	Lima	Y	Yankee
M	Mike	Z	Zulu

Q Signals

Q Signal	Meaning
QRA	What is your callsign?
QRG	Will you tell me my exact frequency (or the frequency of...)?
QRH	Does my frequency vary?
QRI	What is the tonal quality of my transmission?
QRJ	Are you receiving my transmissions poorly?
QRK	What is the intelligibility of my signals?
QRL	Are you/is the frequency busy?
QRM	Is there man-made interference to my transmissions?
QRN	Are you troubled by static or some other natural source of noise?
QRO	Shall I increase power?
QRP	Shall I decrease power?
QRQ	Shall I send faster?
QRS	Shall I send more slowly?
QRT	Shall I stop sending?
QRU	Do you have anything for me?
QRV	Are you ready?
QRX	When will you call me again?
QRY	What is my turn?
QRZ	Who is calling me?
QSA	What is the strength of my signals?
QSB	Are my signals getting weaker?
QSD	Is my keying defective?
QSG	Shall I send (number) messages at a time?
QSK	Can you hear me in between your signals and may I break in?
QSL	Can you acknowledge receipt?
QSL	I will QSL on receipt of your QSL card.
QSM	Shall I repeat the last message I sent to you?
QSN	Did you hear my transmissions on (frequency)?
QSO	Can you communicate with me?
QSP	Will you relay to (station)?
QST	General call preceding a message addressed to all Amateurs.
QSU	Shall I send or reply on this frequency?
QSW	Will you send on this frequency?
QSX	Will you listen on (frequency)?
QSY	Shall I change transmission to another frequency?
QSZ	Shall I send each word or group more than once?
QTA	Shall I cancel message (number)?
QTB	Do you agree with my word count?
QTC	How many messages do you have to send?
QTH	What is your location?
QTR	What is the correct time?

DC Power Connector



Tip = positive, Ring = negative
Plug type/size: Radio Shack type H

- If the DC power supply voltage is below 12.0 V DC, you may not be able to charge the Li-ion battery pack (PB-42L).
- The supply voltage must be between 12.0 V and 16.0 V to prevent damaging the transceiver. If input voltage exceeds approximately 16.5 V, warning beeps sound and "VOLTAGE ERROR" appears. Remove the **DC IN** jack plug immediately.
- If the DC power supply voltage is above 14.5 V DC and "H" (High Power) is selected, "H" icon blinks and the output power is reduced to "L" level (Low Power) automatically.