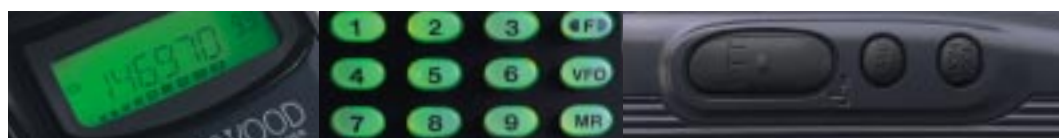


# KENWOOD

## TH-K2AT/K4AT

### FM HANDHELD TRANSCEIVER

Kenwood's new TH-K2AT/K4AT is in a class of its own. Though compact enough for pocket or palm, this rugged 144/430 MHz FM transceiver offers all the features needed to make operation simple and sure.



#### SOPHISTICATED DESIGN

In sharp contrast to other transceivers in this class, the smart navy-blue TH-K2AT/K4AT is sophisticated inside and stylish outside.

#### PRIORITY SCAN

By specifying a priority channel for scanning, you can be ready to receive on either of two different frequencies. Among the many other scan functions are VFO, MR, call, tone, CTCSS, DCS and program.

#### 6-CHARACTER MEMORY NAMES

Use a maximum of 100 memory channels and up to 6 alphanumeric characters to identify a channel.\* In addition there are 8 special function memories.

\*When using memory names, 50 channels are available.

#### BUILT-IN CTCSS, DCS

As well as CTCSS (42 sub-audible tone frequencies) and DCS (104 codes), the TH-K2AT/K4AT offers a 1750Hz tone burst.

#### INTERNAL VOX

Convenient hand-free operation is possible when used with the optional KHS-21 headset.

#### HIGH-CAPACITY Ni-MH BATTERY

Supplied as standard is the environmentally friendly PB-43N Ni-MH battery, offering higher capacity than a NiCd battery. In high-power mode RF output is an impressive 5W.

#### LARGE BACKLIT LCD

The large 13-segment LCD display with back-lighting ensures excellent visibility when using memory names or choosing settings.

#### PC PROGRAMMABLE



Handling multiple memory channels and memory names is easy from a PC (requires optional PG-4Y interface cable and free MCP-1A software). This is also convenient for copying settings to another transceiver.

#### 13.8V DC-IN

In addition to offering both battery-powered and 13.8V DC operation, the TH-K2AT/K4AT can be used during battery-charging. Moreover, charging is three times faster than with the previous model.

#### BACKLIT FRONT KEYPAD

Backlighting now makes key operation easy in low-light situations.

#### LARGE SPEAKER, LOUD AUDIO

The speaker boasts high audio output power of 400mW, ensuring clearer communications even in noisy environments.

#### RUGGEDIZED WEATHERPROOF CONSTRUCTION

This transceiver is built tough to meet the stringent MIL-STD 810 C/D/E/F standards for resistance to rain, vibration, shock and humidity. It also meets the international IP54 standard for dust and water resistance.



- DTMF encode • Wide/narrow deviation selection
- Memory channel transfer • Automatic simplex check
- Automatic repeater offset • SMA antenna connector
- Time-out timer • Auto power off





### Optional Accessories

• **BT-14**  
Battery Case (6AA)

• **PB-43N**  
Ni-MH Battery Pack (7.2V/1100mAh)

• **PG-4Y**  
Programming Interface Cable (DB-9)

• **BC-21**  
Wall Charger

• **KSC-24**  
Rapid Charger

• **SMC-32**  
Speaker Microphone

• **SMC-33**  
Speaker Microphone with 3 Keys

• **SMC-34**  
Speaker Microphone with 3 Keys & Volume Control

• **PG-2W**  
DC Cable

• **PG-3J**  
Cigar Lighter Cable with Noise Filter

• **HMC-3**  
Headset with VOX

• **KHS-21**  
Headset without VOX, PTT

• **EMC-3**  
Clip Microphone with Earphone

• **MCP-1A**  
Memory Control Program  
(available free for downloading from the Kenwood website:  
[www.kenwood.com/j/products/info/amateur.html](http://www.kenwood.com/j/products/info/amateur.html))

Not all products are available in all markets.

### Specifications

	TH-K2AT	TH-K4AT
General		
Frequency Range*	TX: 136-174 MHz RX: 136-174 MHz	TX: 400-470 MHz RX: 400-470 MHz
Mode	F3E (FM), F2D	
Antenna Impedance	50 Ω	
Operation Temperature Range	-20° C ~ +60° C	
Power Requirement (nominal)		
External	DC 12.0-16.0 V	
Battery	DC 6.0-9.0 V	
Microphone Impedance	2 k Ω	
Dimensions (W x H x D)		
With PB-43N (Projections not included)	58 x 110 x 28.4 mm	
With PB-43N (Projections included)	58 x 127.7 x 35.8 mm	
Weight	340 g (with PB-43N, antenna, belt hook)	
Transmitter		
RF Output Power (approx.)		
HI: DC-IN 13.8 V	5 W	
PB-43N 7.2 V	5 W	
MID: DC-IN 13.8 V	1.5 W	
PB-43N 7.2 V	1.5 W	
LO:	0.5 W	
Modulation	Reactance modulation	
Maximum Frequency Deviation	less than ± 5 kHz	
Modulation Distortion	less than 5% (300 Hz ~ 3 kHz)	
Receiver		
Circuitry	Double Super Heterodyne	
Intermediate Frequency		
1st IF	38.85 MHz	
2nd IF	450 kHz	
Sensitivity (12dB SINAD)	less than 0.18 μV	
Squelch Sensitivity	less than 0.13 μV	
Selectivity		
-6 dB	more than 10 kHz	
-40 dB	less than 28 kHz	
Audio Output Power	more than 400 mW (10% distortion)	

\*Specifications are guaranteed for amateur radio bands only

### Battery Life

Unit: Hours (figures approximate)

	TH-K2AT			TH-K4AT		
	High	Mid	Low	High	Mid	Low
BT-14, 6 alkaline batteries	4	8	10.5	3	7	9.5
PB-43N	5.5	8.5	11	5	7.5	10

Assuming a duty cycle of 6-second transmit, 6-second receive, 48-second standby

Kenwood follows a policy of continuous advancement in development. For this reason specifications may be changed without notice.

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