

# KENWOOD

## TH-K2AT

144MHz FM TRANSCEIVER

*The spirit of adventure  
is alive and well*

**TH-K2AT**  
144MHz FM TRANSCEIVER

- NOAA Weather Radio reception\* with audible alert
- Large LCD panel and backlit keys
- Multiple scan functions
- 5W RF output
- Tough weatherproof construction

\* US only



# *A triumph of advanced engineering and design — Kenwood's new TH-K2AT!*



Actual size

## TH-K2AT

144MHz FM TRANSCEIVER



### **SOPHISTICATED DESIGN**

In sharp contrast to other transceivers in this class, the smart navy-blue TH-K2AT 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**

There are up to 100 memory channels available, or 50 if you use memory names (up to 6 alphanumeric characters to identify a channel). And in addition there are 8 special function memories.

### **WEATHER ALERT/RX (US only)**

In addition to reception of the NOAA Weather Radio, this transceiver can warn you with an audible alert to emergency transmissions such as storm warnings.

### **BUILT-IN CTCSS, DCS**

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

### **INTERNAL VOX**

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

Even at first glance, it's obvious that Kenwood's stylish new TH-K2AT is in a class of its own. Though compact enough to fit snugly in either pocket or palm, it offers all the features necessary to make operation simple and sure. And despite its smart looks, this 144MHz FM transceiver is tough enough to survive the rigors of outdoor use, while delivering superb performance. So roam freely while enjoying the clear, reliable communications for which Kenwood is renowned.



### HIGH-CAPACITY Ni-MH BATTERY

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

### LARGE BACKLIT LCD

The large 13-segment LCD display with backlighting 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 can be used during battery-charging. Moreover, charging is faster than the previous models.

### BACKLIT FRONT KEYPAD

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

### HIGH-GAIN ANTENNA

Shortened for easier carrying, the 4-inch antenna still offers high gain.

### LARGE SPEAKER, LOUD AUDIO

Speaker output has been more than doubled to 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

• <b>BT-14</b> Battery Case (6AA)	• <b>SC-54</b> Soft Case with Swivel Belt Clip
• <b>PB-43N</b> Ni-MH Battery Pack (7.2V/1100mAh)	• <b>PG-4Y</b> Programming Interface Cable (DB-9)
• <b>BC-21</b> Wall Charger	• <b>KSC-24</b> Rapid Charger
• <b>SMC-32</b> Speaker Microphone	• <b>SMC-33</b> Speaker Microphone with 3 Keys
• <b>SMC-34</b> Speaker Microphone with 3 Keys & Volume Control	• <b>PG-2W</b> DC Cable
• <b>PG-3J</b> Cigar Lighter Cable with Noise Filter	• <b>HMC-3</b> Headset with VOX
• <b>KHS-21</b> Headset without VOX, PTT	• <b>EMC-3</b> Clip Microphone with Earphone
• <b>MCP-1A</b> Memory Control Program (available free for downloading from the Kenwood website: <a href="http://www.kenwood.net">www.kenwood.net</a> )	

Not all products are available in all markets.

## Specifications

General	TH-K2AT
Frequency Range*	TX: 144-148 MHz RX: 136-174 MHz
Mode	F3E (FM), F2D
Antenna Impedance	50 Ω
Operation Temperature Range	-4° F ~ +140° F (-20° C ~ +60° C)
Power Requirements (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)	2-7/16" x 4-6/16" x 1-2/16" (58 x 110 x 28.4 mm)
With PB-43N (Projections included)	2-7/16" x 5" x 1-7/16" (58 x 127.7 x 35.8 mm)
Weight	12.5 oz (355 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		
	High	Mid	Low
BT-14, 6 alkaline batteries	4	8	10.5
PB-43N	5.5	8.5	11

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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