

# KENWOOD

## TM-261A/461A

FM MOBILE TRANSCIEVER

**M**

obile communications just got easier thanks to Kenwood's new TM-261A (144MHz) and TM-461A (440MHz) single banders — fully equipped and supremely user-friendly.

- High RF power output
- Rugged construction (MIL-STD)
- 61 multi-function memory channels plus 1 call channel
- Memory Name (MN) function with 6-digit alphanumeric display
- DTSS selective calling
- Multi-scan capability
- Dual menu system
- Multi-function microphone with backlit keys
- Wireless cloning function



### High RF output

The TM-261A and TM-461A put out an impressive 50 watts and 35 watts, respectively. Both models also have mid-and low-power settings.

### Meets MIL-STD requirements

Strict MIL-STD environmental standards for vibration (MIL-STD-810C) and physical shock (MTL-STD-810D) are fully complied with.

### 61 multi-function memory channels plus 1 call channel

For quick access, essential data — transmit and receive frequencies, frequency step, tone frequency, etc. — can be stored in the 62 memory channels. All channels can store transmit and receive frequencies independently for odd split repeaters.

### Memory Name (MN) function

All 62 channels can be identified alphanumerically (max. 6 characters) instead of by frequency. This is particularly convenient for repeaters and club channels. It is also possible to switch to a channel number display.

### DTSS selective calling

Built-in DTSS (Dual-Tone Squelch System) allows DTMF access: the squelch is opened only when a specific 3-digit code has been received. Using the wildcard asterisk, group calling is also possible.

## Specifications

	TM-261A	TM-461A
<b>GENERAL</b>		
Frequency Range	TX: 144 – 148 MHz RC: 118 – 174 MHz	TX: 438 – 450 MHz RC: 400 – 470 MHz
Mode	F3E (FM), A3E (AM) (TX only) 118–174 MHz	F3E (FM)
Power Requirement	13.8 V DC (±15%)	
Current Drain (approx.)		
Transmit (Max. 13.5 V)	Less than 11 A	Less than 10 A
Receiver	Less than 600 mA	
Ground	Negative	
Operating Temperature Range	-20°C – +60°C	
Antenna Impedance	50 Ω	
Microphone Impedance	600 Ω	
Dimensions (W × H × D, projections not included)	5-1/2 × 6-9/16 × 1-1/8 in. (140 × 40 × 160.5 mm)	
Weight (approx.)	2.2 lbs. (1.0 kg)	
<b>TRANSMITTER</b>		
RF Output Power		
H	50 W	35 W
MID	10 W	10 W
L/O (approx.)	5 W	5 W
Modulation	Reactance modulation	
Frequency Tolerance	Within ±10 ppm	
Maximum Frequency Deviation (standard modulation input +20 dB)	±5 kHz	
Spectrum Radiation	Less than -60 dB	
Modulation Distortion (300 Hz – 3 kHz)	Less than 3%	
<b>RECEIVER</b>		
Circuitry	Double conversion superheterodyne	
Intermediate Frequency		
1st IF	30 kHz	
2nd IF	455 kHz	
Sensitivity (12dB S/NAD)	Less than 0.10µV	
Selectivity		
-6dB	More than 12 kHz	
-60dB	Less than 26 kHz	
Search Sensitivity	Less than 0.10µV	
Audio Output Power	More than 2W (1 Ω, 5% distortion)	

Kenwood follows a policy of continuous advancement in development. For this reason specifications may be changed without notice. These specifications are guaranteed for Amateur Bands only.



### Multi-scan capability

Choose from several scan modes: full band scan, programmable band scan, call scan, and memory scan with programmable memory channel lock-out. There are also 2 scan stop modes: TO (time-operated) and CO (carrier-operated).

### Dual menu system

Two menu modes — A and B — offer full control over such settings as frequency step and the time-out timer, when required.

### Multi-function microphone with backlit keys

The supplied multi-function microphone has backlit keys to facilitate operation in low-light situations.

### DTMF memory function

Up to ten 15-digit DTMF codes with ID can be stored for auto-dial and autopatch use. Redial is also provided.

### Built-in CTCSS tone encoder and optional decoder

The optional decoder enables the setting of different tones for transmit and receive.

- Tone scan ■ Wireless cloning function
- Airband receive ■ Auto repeater offset (TM-261A) ■ Repeater reverse switch ■ Lock function ■ Busy channel lockout ■ Auto power-off ■ Time-out timer

## Optional Accessories



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