

KENWOOD

TM-261A/461A

FM MOBILE TRANSCIVER

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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 30 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 (MIL-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
GENERAL		
Frequency Range	TX: 144 - 148 MHz RX: 118 - 174 MHz	TX: 430 - 450 MHz RX: 400 - 470 MHz
Mode	F3E (FM), A3E (AM) (RX only), 11B-174 MHz	F3E (FM)
Power Requirement	13.8 V DC (±15%)	
Current Drain (approx.)	Less than 1.1 A	
Transmit (Max. 13.8 V) Recharge	Less than 200 mA	
Ground	Negative	
Operating Temperature Range	-20°C - +60°C	
Antenna Impedance	50 Ω	
Microphone Impedance	600 Ω	
Dimensions (W x H x D, projections not included)	5-1/2 x 6-9/16 x 1-9/16 in. (140 x 40 x 30.2 mm)	
Weight (approx.)	2.2 lbs. (1.0 kg)	
TRANSMITTER		
RF Output Power	30 W	
HF	50 W	35 W
MID	10 W	10 W
LO (approx.)	5 W	5 W
Modulation	Frequency Modulation	
Frequency Tolerance	Within ±0 ppm	
Maximum Frequency Deviation (standard modulation input +20 dB)	±5 kHz	
Spurious Radiation	Less than -60 dB	
Modulation Distortion (200 Hz - 3 kHz)	Less than 3%	
RECEIVER		
Circuitry	Double conversion superheterodyne	
Intermediate Frequency	1st IF: 30.825 MHz 2nd IF: 455 kHz	
Sensitivity (12dB SINAD)	Less than 0.16µV	
Selectivity	-6dB: More than 12 kHz -60dB: Less than 2B kHz	
Squelch Sensitivity	Less than 0.10µV	
Audio Output Power	More than 2W (5 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.



ISO 9001
JQA-1205

Communication Equipment Division
Kenwood Corporation
ISO9001 certification

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

 MC-80 Desktop Microphone (requires MJ-88)	 MJ-88 Microphone Plug Adapter (modular to 8-pin)	
 SP-41 Compact Mobile Speaker	 SP-50B Mobile Speaker	 MJ-89 Modular Microphone Switch
 PG-3B DC Line Noise Filter	 PG-3G DC Line Noise Filter (20A max.)	 PG-2N Power Cable
 PS-40 DC Switching Power Supply	 TSU-8 CTCSS Tone Decoder	 MR-701 Mobile Mount

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