

FT-60R: 144/440 MHz Dual-Band Portable Transceiver, 5 Watts, RX: 108 ~ 520 700 ~ 999.990 MHz (Cellular Blocked), Ni-MH Battery, Dual Receive, SMA

Supplied Accessories:

- AC Adapter NC-88B Battery Charger
- Ni-MH Battery Pack FNB-83 (7.2V, 1400mAh)
- Antenna
- Belt Clip
- Instruction Manual
- 1 Year Manufacture Warranty

The FT-60R is a new dual-band FM transceiver with extensive receive frequency coverage, providing versatile two-way amateur communications along with unmatched monitoring. A new-generation Emergency Automatic ID (EAI) feature, for Search-and –Rescue operations, is introduced in the FT-60R!

- Wide Band Reception 108-520 MHz / 700-999.990 MHz. (Cellular Blocked)
- New Emergency Automatic ID System
- Huge LCD
- High Power Output 5W
- High Power OUTPUT 5W
- Ni-MH Long-Life Battery FNB-83 (7.2V, 1400 mAh)
- Programmable Keys for user convenience
- Split CTCSS/DCS and DCS Encode-Only capability

144 / 430 MHz DUAL BAND HANDHELD WITH WIDE BAND RECEPTION

The FT-60R's small size allows you to take it anywhere - hiking, skiing, or while walking around town - and its operating flexibility brings the user many avenues of operating enjoyment. Its incredibly tiny FNB-83 Rechargeable Nickel-Metal Hydride Battery Pack provides up to 5 Watts of transmit power on the 144 MHz and 430 MHz Amateur Bands. Besides 144- and 430-MHz transceive operation, the FT-60R provides receive coverage of the VHF and UHF TV bands, the VHF AM aircraft band, and a wide range of commercial and public safety frequencies!

NEW FEATURES ON THE FT-60R

New and exciting features of the FT-60R are the Emergency Automatic ID (EAI) function, that will automatically cause your FT-60R to transmit your callsign and engage your rig's microphone, even if you are disabled and unable to press the PTT switch; Enhanced Paging and Code Squelch (EPCS), that allows you to page a particular station and only receive calls from that station, if desired; and a security Password feature, to prevent unauthorized use of your transceiver.

FEATURE HIGHLIGHTS

- Over 1000 Memory Channels w/Alpha-numeric Labels
- Ten Memory Banks for Channel Allocation
- High Power Output: 5 Watts
- Long-life FNB-83 (7.2 V/1400 mAh) and Overnight Charger included
- CTCSS and DCS Encode/Decode, with Split Tone and DCS Encode-only Capability
- One-Touch NOAA Weather Access
- NOAA Severe Weather Alert with Alert Scan
- Nine DTMF Auto-Dialer Memories
- Two Front Panel Programmable Keys
- Convenient Access Key for Vertex Standard's WIRES™ (Wide-coverage Internet Repeater Enhancement System)
- RF Squelch (only passes signals exceeding programmed level)
- Mono-band and Memory-only Operating Modes
- Rugged Die-cast, Water-resistant Case Construction
- Huge LCD Display
- Transmit Time-Out Timer (TOT) and Automatic Power-Off (APO)
- Automatic Repeater Shift (ARS)
- YAESU's exclusive ARTS™ (Auto-Range Transponder System) which "beeps" the user when you move out of communications range

SPECIFICATIONS

General

TX Frequency Ranges: 144-148 MHz., 430-450 MHz.

RX Frequency Ranges:

Air Band: 108-137 MHz.

AM/FM: 137-520 MHz.

FM: 700-999 MHz. (Cellular Blocked)

Channel Steps: 5, 10, 12.5, 15, 20, 25, 50, 100 kHz

Frequency Stability: ± 5 ppm (-10° C to +60° C, +14° F to +140°F)

Repeater Shift: ± 600 kHz (144 MHz) $\pm 1.6/5.0/7.6$ MHz. (430 MHz)

Emission Type: F2, F3

Antenna Impedance: 50 ohms

Supply Voltage: Nominal: 7.2V DC, Negative Ground

Operating: 6.0~16V, Negative Ground (EXT DC Jack); 11~16V, Negative Ground (EXT DC Jack w/ Charging)

Current Consumption:

Receive: 125mA

Standby, Saver Off VHF: 45mA

Standby, Saver Off UHF: 47mA

Standby, Saver On: 19mA

Auto Power Off: 0.8mA
5W TX, 144 MHz 7.2V DC: 1.3A
5W TX, 430 MHz 7.2V DC: 1.5A
Operating Temperature: -20° C to +60° C (-4° F to +14° F)
Case Size w/o knob & Antenna (W x H x D): 2.3" x 4.3" x 1.2" (58 x 109 x 30mm)
Weight: 13.05 oz (370 g) w/ FNB-83 & antenna

Transmitter

RF Power Output:
High 5W (@ 7.2V FNB-83)
Mid 2W (@ 7.2V FNB-83)
Low 0.5W (@ 7.2V FNB-83)
Modulation Type: Variable Reactance F2, F3
Maximum Deviation: ± 5 kHz F2, F3
Spurious Emission: At least 60 dB below (High & Mid) At least 40 dB below (Low)
Microphone Impedance: 2kW

Receiver

Circuit Type: Double-conversion Super heterodyne
Intermediate Frequencies: 1st: 47.25 MHz., 2nd: 450 KHz.
Sensitivity:
108-137 MHz, AM: 0.8 μ V TYP for 10 dB SINAD
137-140 MHz, NFM: 0.2 μ V for 12 dB SINAD
140-150 MHz, NFM: 0.16 μ V for 12 dB SINAD
150-174 MHz, NFM: 0.2 μ V TYP for 12 dB SINAD
174-300 MHz, NFM: 0.3 μ V TYP for 12 dB SINAD
300-336 MHz, NFM: 0.8 μ V TYP for 12 dB SINAD
336-420 MHz, NFM: 0.25 μ V TYP for 12 dB SINAD
420-470 MHz, NFM: 0.2 μ V for 12 dB SINAD
470-520 MHz, NFM: 0.25 μ V TYP for 12 dB SINAD
800-900 MHz, NFM: 0.5 μ V TYP for 12 dB SINAD
900-999.99 MHz, NFM: 0.8 μ V TYP for 12 dB SINAD
Selectivity: NFM, AM 12KHz / 35 KHz (-6dB / -60dB)
AF Output: 400mW @ 8W for 10% THD (@ 7.5V)



Specifications are subject to change without notice, and are guaranteed within the 144, and 430 MHz. Amateur bands only. Frequency ranges will vary according to transceiver version.