

THE NEW GENERATION DUAL BAND HANDHELD

FT-60R

144/430 MHz FM DUAL BAND HANDHELD

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!

144/430 MHz
FM

- WIDE BAND RECEPTION
108-520 MHz/700-999.990 MHz (Cellular Blocked)
- **NEW** EMERGENCY AUTOMATIC ID SYSTEM
- HUGE LCD
- HIGH POWER OUTPUT 5W
- Ni-MH LONG-LIFE BATTERY
FNB-83 (7.2 V, 1400 mAh)
(overnight charger included)
- PROGRAMMABLE KEYS FOR USER
CONVENIENCE
- SPLIT CTCSS/DCS AND DCS ENCODE-ONLY
CAPABILITY



Actual Size



YAESU
Choice of the World's top DX'ersSM

FT-60R THE NEW GENERATION DUAL BAND HANDHELD

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

Accessories & Options

| | | | | |
|--|---|--|---|--|
|  FBA-25A Dry Cell Battery Case |  CD-29 B/C/U* Rapid Charger |  E-DC-6 DC Cable; plug and wire only |  CN-3 BNC-to-SMA Adapter |  CT-27 Cloning Cable |
|  CT-44 Microphone Adapter |  E-DC-5B DC Cable with Cigarette-Lighter Adapter |  MH-34B4B Speaker/Microphone |  MH-37A4B Earpiece/Microphone |  VC-25 VOX Headset |

• **Supplied Accessories** FNB-83 7.2 V, 1,400 mAh Rechargeable Nickel-Metal Hydride Battery Pack, NC-88B/C/U* Overnight Battery Charger *B for 120 VAC/C for 220-240 VAC/ U for 230 VAC

Specifications

| | | | |
|---|-----------------------|--|--|
| General | | 47 mA (Standby, Saver Off) UHF | Receiver |
| Frequency Ranges: RX 108-137 MHz (Air Band) | 137-520 MHz (AM / FM) | 19 mA (Standby, Saver On) | Circuit Type: Double-Conversion Super heterodyne |
| (Cellular phone Blocked) | 700-999 MHz (FM) | 0.8 mA (Auto Power Off) | Intermediate Frequencies: 1st: 47.25 MHz |
| (Cellular phone Blocked) | | 1.3 A (5 W Tx, 144 MHz) 7.2 V DC | 2nd: 450 KHz |
| TX 144-148 MHz | | 1.5 A (5 W Tx, 430 MHz) 7.2 V DC | Sensitivity: 0.8 µV TYP for 10 dB SN (108-137 MHz, AM) |
| 430-450 MHz | | Operating Temperature: -20° C to +60° C (-4° F to +14° F) | 0.2 µV for 12 dB SINAD (137-140 MHz, NFM) |
| Channel Steps: 5, 10, 12.5, 15, 20, 25, 50, 100 kHz | | Case Size: 2.3" (W) x 4.3" (H) x 1.2" (D) (58 x 109 x 30 mm) | 0.16 µV for 12 dB SINAD (140-150 MHz, NFM) |
| Frequency Stability: ±5 ppm (-10° C to +60° C, +14° F to +140° F) | | Weight: 13.05 oz (370 g) with FNB-83 & antenna | 0.2 µV TYP for 12 dB SINAD (150-174 MHz, NFM) |
| Repeater Shift: ±600 kHz (144 MHz) | | | 0.3 µV TYP for 12 dB SINAD (174-300 MHz, NFM) |
| ±1.6 / 5.0 / 7.6 MHz (430 MHz) | | | 0.8 µV TYP for 12 dB SINAD (300-336 MHz, NFM) |
| Emission Type: F2, F3 | | Transmitter | 0.25 µV TYP for 12 dB SINAD (336-420 MHz, NFM) |
| Antenna Impedance: 50 Ω | | RF Power Output: | 0.2 µV for 12 dB SINAD (420-470 MHz, NFM) |
| Supply Voltage: Nominal: 7.2 V DC, Negative Ground | | High 5 W (@ 7.2 V FNB-83) | 0.25 µV TYP for 12 dB SINAD (470-520 MHz, NFM) |
| Operating: 6.0-16 V, Negative Ground (EXT DC JACK) | | Mid 2 W (@ 7.2 V FNB-83) | 0.5 µV TYP for 12 dB SINAD (800-900 MHz, NFM) |
| 11-16 V, Negative Ground (EXT DC JACK with Charging) | | Low 0.5 W (@ 7.2 V FNB-83) | 0.8 µV TYP for 12 dB SINAD (900-999.99 MHz, NFM) |
| Current Consumption: 125 mA (Receive) | | Modulation Type: Variable Reactance F2, F3 | Cellular Blocked |
| 45 mA (Standby, Saver Off) VHF | | Maximum Deviation: ±5 kHz F2, F3 | |
| | | Spurious Emission: At least 60 dB below (High & Mid) | Selectivity: NFM, AM 12 KHz / 35 KHz (-6 dB / -60 dB) |
| | | At least 40 dB below (Low) | AF Output: 400 mW @ 8 Ω for 10 % THD (@ 7.5 V) |
| | | Microphone Impedance: 2 kΩ | |

About this brochure: we have made this brochure as comprehensive and factual as possible. We reserve the right, however, to make changes at any time in equipment, optional accessories, specifications, model numbers, and availability. Precise frequency range may be different in some countries. Some accessories shown herein may not be available in some countries. Some information may have been updated since the time of printing; please check with your Authorized Yaesu Dealer for complete details. This product has not received FCC certification. It may not be sold or marketed, or offered for sale or marketing, until FCC certification has been received.

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