

ULTRA-COMPACT 5 W 2 m FM HANDHELD TRANSCEIVER

# FT-250R/E\*

\*E for European Version

## Compact Field Radio with Top Mounted LCD and Loud Audio



- Compact Design with Top mounted LCD Display
- 5 Watts of Stable RF Power with Minimum Components for Reliability
- 700 mW of Loud Audio for outside field environments
- 200 Memory Channels for serious users
- Yaesu Exclusive Power Saving Circuit Design Guarantees Longer Operating time
- Hands Free Operation with Optional VC-25 VOX Headset

Wide Range of available Options includes:

- External DC jack for Cigarette-Lighter adapter E-DC-5B or DC cable E-DC-6
- 6 X AA size Alkaline Battery Case FBA-25A

Actual Size

 **YAESU**  
Choice of the World's top DX'ers<sup>SM</sup>

Compact yet incredibly rugged, the FT-250R/E 2-meter handheld is designed to perform under the most difficult operating conditions. It is packed with the leading-edge features you've come to expect from a Yaesu product. The FT-250R/E's die-cast aluminum case houses a large, high-output speaker, and the illuminated keypad provides easy viewing during night time operation.

**Main Features**

- 209 Memory Channels with Alpha-numeric tags (maximum 7 characters)
- Direct Keypad Frequency Entry
- High Power Output: 5 Watts (FNB-83)
- Loud Audio 700 mW with the Internal Speaker
- Long life FNB-83 (7.2 V/ 1400 mAh) and Desktop Charger included
- CTCSS and DCS Encode/Decode, with split Tone and DCS Encode-only capability
- Scanning Mode: VFO / Memory / PMS / Dual Watch
- Nine DTMF Auto-dialer memories
- Keypad/Dial Lockout capability
- Two front panel programmable keys
- TX and RX Battery Savers
- Convenient Access key for the Vertex Standard's WIRES™ (Wide-coverage Internet Repeater Enhancement System)
- RF squelch (only pass signals exceeding the programmed level)
- Memory-only operating mode available
- Rugged and Water resistant case construction
- Smart Search Operation
- Battery Voltage Display
- Adjustable TX Deviation Level ( ± 5kHz or ± 2.5 kHz)
- Transmit Time-Out-Timer (TOT) and Automatic Power-Off (APO)
- Busy Channel Lock-Out (BCLO)
- Automatic Repeater Shift (ARS)
- ARTS™ (Auto-range Transponding System) which "beeps" the user when you move out of communication range

**SPECIFICATIONS**

General	
Frequency Ranges	RX 136 ~ 174 MHz TX 144 ~ 146 (148) MHz
Channel Steps	5, 10, 12.5, 15, 20, 25 and 50 kHz
Repeater Shift	±600 kHz
Emission Type	F2D, F3E
Antenna Impedance	50 Ohms
Supply Voltage	Nominal: 7.2 V DC, Negative Ground Operating: 6.0 ~ 16 VDC, Negative Ground (EXT DC JACK)
Current Consumption	130 mA (Receive) 37 mA (Standby, Saver Off) 23 mA (Standby, Saver On) 8 mA (Auto Power Off) 1.3 A (5 W TX 7.2 V DC)
Operating Temperature	-4° F to + 140° F (-20° C to + 60° C)
Case Size (W x H x D)	2.3" x 4.3" x 1.0" (58 x 108.5 x 26.5 mm) (w/o knob & antenna)
Weight	12.4 oz (352 g) with FNB-83, Antenna and Belt Clip
Transmitter	
RF Power Output	High 5 W (@ 7.2 V FNB-83) Mid 2 W (@ 7.2 V FNB-83) Low 0.5 W (@ 7.2 V FNB-83)
Modulation Type	Variable Reactance F2D , F3E
Maximum Deviation	±5 kHz F2D , F3E
Spurious Emission	At least 60 dB below (High & Mid)
Microphone Impedance	2 k Ohms
Receiver	
Circuit Type	Double-Conversion Super heterodyne
Intermediate Frequencies	1st: 21.7 MHz 2nd: 450 kHz
Sensitivity	0.16 µV for 12 dB SINAD
AF Output	700 mW @ 16 Ohms for 10 % THD (@7.4 V) Internal SP 400 mW @ 8 Ohms for 10 % THD (@7.4 V) EXT SP Jack

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

Technical specs subject to change without notice. The FT-250R has not been approved by the FCC. This device may not be sold or leased, or offered for sale or lease, until FCC approval has been obtained.

**ACCESSORIES & OPTIONS**

**Supplied Accessories**

 <b>MH-34B4B</b> Speaker Microphone	 <b>VC-25</b> VOX Headset	 <b>VAC-10B/C/U*</b> Desktop Charger (CD-30 and PA-38)	 <b>E-DC-5B</b> DC cable with Cigarette Lighter Adapter	 <b>E-DC-6</b> DC cable; plug and wire only
 <b>MH-37A4B</b> Earpiece/microphone	 <b>FNB-83</b> 1400 mAh Ni-MH Battery	 <b>FBA-25A</b> Dry Cell Battery Case for 6 AA-size Alkaline cells	 <b>CT-44</b> Microphone Adapter	 <b>CN-3</b> BNC-to-SMA Adapter

- **FNB-83** Ni-MH Battery Pack (7.2 V, 1400 mAh)
- **Antenna**
- **Belt Clip**

\*B for 120V AC US plug,  
C for 220-240 VAC EU plug/  
U for 220-240 VAC UK plug

- **CT-27** Clone cable
- **CSC-77** Soft Case

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.

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