VHF FM 5 W COMPACT HANDHELD TRANSCEIVER

FT-270R/E*

*E for European Version

Commercial Grade Field Radio

Submersible Construction



Actual Size

- Large Backlit LCD Display for easy operation
- 5 Watts of Stable RF Power with Minimum Components for Reliability
- 800 mW of Loud Audio for noisy field operations
- 200 Memory Channels for Serious users
- Commercial Grade Receivers Performance
- Submersible Construction (3 ft./1 meter for 30 min)
- Yaesu Exclusive Power Saving Circuit Design Guarantees Longer Operating time
- Hands Free Operation with Optional VC-24 VOX Headset

Wide Range of available Options includes:

- CD-26 Charger Cradle
- VAC-370B 1.5 Hour Desktop Rapid Charger
- External DC Jack for Cigarette-Lighter adapter E-DC-5B or DC Cable E-DC-6
- FBA-25A Alkaline Battery Case (for 6 X AA cells)
- FTD-7 DTMF Paging Unit

YAESU

Choice of the World's top DX'ers℠

FT-270R/E VHF FM 5 W 2 m/70 cm COMPACT HANDHELD TRANSCEIVER

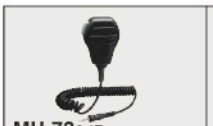
*E for European Version

The FT-270R/E is a compact, high-performance Submersible FM hand-held providing up to 5 Watts of RF power, along with Loud audio output (800 mW) for the 2-m or 70-cm amateur bands. Protected against water ingress to IPX7 specifications (submersion for up to 3 feet/1 meter for 30 minutes), the FT-270R/E features long operating times, thanks to the supplied 1400 mAh Ni-MH Battery Pack. This 16-key versatile handheld includes direct keypad frequency entry and direct DTMF input and provides quick one-touch access to Yaesu's exciting and fun WiRES II™ VoIP Internet Linking System!

Main Features

- 200 Memory Channels with Alpha-numeric tags (maximum 6 characters)
- Ten Memory banks for Channel allocation
- High Power Output: 5 Watts (FNB-83 or FBA-25A with dry batteries)
- Loud Audio 800 mW with the Internal Speaker
- Long life FNB-83 (7.2 V/ 1400 mAh) and Overnight Charger included
- Emergency Automatic ID (EAI) function
- Emergency function
- Enhanced Paging and Code Squelch (EPCS)
- Password function
- CTCSS (50 tones) and DCS (104 codes) 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
- 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 moved available
- Rugged case construction (IPX7, 1 meter 30 minutes)
- Huge LCD Display
- 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

ACCESSORIES & OPTIONS



MH-73A4B
Waterproof Speaker/Microphone



VC-24
VOX Headset



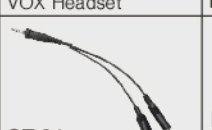
FNB-83
1400 mAh Ni-MH Battery



VAC-370B/C/U*
Desktop Rapid Charger



MH-57A4B
Speaker/Microphone



CT-91
Microphone Adapter



FBA-25A
Dry Cell Battery Case for 6 AA-size Alkaline cells



CD-26
Charger Cradle



VC-27
Earpiece/Microphone



FTD-7
DTMF Decoder Unit



NC-88B/C/U*
Standard Charger



E-DC-5B
DC Cable with Cigarette-Lighter Adapter



E-DC-6
DC Cable; plug and wire only



CN-3
BNC-to-SMA Adapter

SPECIFICATIONS

General	
Frequency Ranges	RX 136 - 174 MHz TX 144 - 146 (148) MHz
Channel Steps	5, 10, 12.5, 15, 20, 25, 50 and 100 kHz
Frequency Stability	±5 ppm (+14° F to +140° F/ –10° C to +60° C)
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) 11 ~ 16VDC, Negative Ground (EXT DC JACK with Charging)
Current Consumption	165 mA (Receive) 200 mW Output 45 mA (Standby, Saver Off) VHF 20.5 mA (Standby, Saver On) 8 mA(Auto Power Off) 1.5 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)	2.4" x 4.7" x 1.3" (60 x120 x 32 mm) (w/o knob & antenna)
Weight	13.8 oz. (390 g) with FNB-83 & antenna
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) At least 40 dB below (Low)
Microphone Impedance	2 k Ohms
Receiver	
Circuit Type	Double-Conversion Super heterodyne
Intermediate Frequencies	1st: 21.7 MHz 2nd: 450 kHz
Sensitivity	0.2 μV for 12 dB SINAD (136-140 MHz, NFM) 0.16 μV for 12 dB SINAD (140-150 MHz, NFM) 0.2 μV TYP for 12 dB SINAD (150-174 MHz, NFM)
AF Output	800 mW @ 16 Ohms for 10 % THD (@7.4 V) Internal SP 450 mW @ 8 Ohms for 10 % THD (@7.4 V) EXT SP Jack

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

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-270R 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.

Supplied Accessories

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

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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