VHF FM 5 W COMPACT HANDHELD TRANSCEIVER

FT-270R/E

*E for European Vers

Commercial Grade Field Radio Submersible Construction



Actual Size

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-D

 Hands Free Operation with Optional VC-24 VOX Headset

• FBA-25A Alkaline Battery Case (for 6 X AA cells)

FTD-7 DTMF Paging Unit



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

SPECIFICATIONS

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 (w/o US Version)
- 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 and Submersible (IPX7, 3 ft / 1 meter 30 minutes)
- Huge LCD Display
- Smart Search Operation
- Battery Voltage Display
- Adjustable TX Deviation Level (± 5 kHz 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





FTD-7 DTMF Decoder Unit



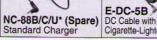


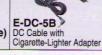


FNB-83 (Spare)









CD-26 Charger Cradle

VAC-370B/C/U*







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 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 J. 11 ~ 16VDC, Negative Ground (EXT DC JACK with Ch. 165 mA (Receive) 200 mW Output Current Consumption 45 mA (Standby, Saver Off) 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 & an 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, N 0.16 µV for 12 dB SINAD (140-150 MHz, N $0.2 \,\mu\text{V}$ TYP for 12 dB SINAD (150-174 MHz, N AF Output 800 mW @ 16 Ohms for 10 % THD (@7.4 V) Interna 450 mW @ 8 Ohms for 10 % THD (@7.4 V) EXT SF

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

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

Supplied Accessor

- FNB-83 Ni-MH Batter (7.2 V, 1400
- NC-88B/C/U* Standard (
- 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 access 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. information may have been updated since the time of printing; please check with your Authorized Yaesu Dealer for complete details.



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VC-27

Earpiece/Microphone