

# **YAESU**

VHF FM TRANSCEIVER

# FT-25R

## Reliable Handheld Transceiver

VHF FM Commercial Grade Two-Way Radio



### **Compact Design**

**5 Watts of Reliable RF Power**

### **Rugged Construction**

*IP54 Rating*

*MIL-STD-810-C, D, E Certified.*

### **Powerful and Clear Audio**

*1W of Audio for operation in noisy environments.*

### **Quick Recall Keys**

*Easy Access to User Selected Features*

### **Valuable Features**

*3.5 Hours Rapid Rate Charger*

*Voice Inversion Scrambler*

*VOX Ready for hands-free operation*

*FM Radio Broadcast Receiver*

*Lockout Capabilities, Keypad/PTT Lockout*

*Emergency Operation (Alarm, SOS Flash )*

*LED Flash light equipped.*

**Radio Features:**

- Compact Design, Measuring W 52.0 mm x H 104.5 mm x D 30.0 mm
  - Rugged Construction; Meets IP54 Rating (Dust/Water protection) , MIL-810-C,D and E
  - 5 Watts of Reliable RF Power within a Compact body
  - Three Selectable TX Power settings (5 W (High)/2.5 W (Middle)/0.5 W (Low))
  - Over 9 hours Operating time with Supplied 1,950 mAh Li-Ion Battery pack \*1
  - Optional High-capacity Battery Pack (SBR-26LI) provides over 11.5 hours of Extended Operating Time \*1
  - 3.5-Hour Rapid Charger (SBH-22) Included (Using SBR-25LI)
  - VOX Operation with Optional VOX Earpiece Microphone (SSM-512B)
- \*1 (Tx) 6 sec. : (Rx)6sec. : (Standby) 48 sec Duty Cycle

**Specifications**

**General**

Frequency Ranges: RX 144.0000 - 147.0000 MHz  
 TX 144.0000 - 147.0000 MHz  
 FM Broadcast 65-108 MHz

Channel Steps: 12.5 / 25 / 50 kHz

Frequency Stability: ± 2.5 ppm (-10 ° C to +60 ° C)

Emission Type: F2D, F3E, F2A

Antenna Impedance: 50 Ohms

Supply Voltage: Nominal: 7.4V DC, Negative Ground

Current Consumption:

205 mA (Receive) 200 mW Output (Approx. @7.4V)  
 100 mA (Standby, Saver Off)  
 18 mA (Standby, Saver On)  
 4 mA (Auto Power Off)  
 1.5 A (5 W Tx , 144 MHz) 7.4 V DC

Operating Temperature: - 20 ° C to + 60 ° C

Case Size: 52.0mm (W) x 104.5mm (H) x 30.0mm (D)  
 (W/O knob and antenna)

Weight: 260 g with SBR-25LI and antenna

**Transmitter**

RF Power Output: 5.0 W (High) / 2.5 W (Middle) / 0.5 W (Low)  
 (@ 7.4 V with SBR-25LI)

Modulation Type: Variable Reactance

Maximum Deviation: ± 5.0 kHz

Spurious Emission: At least 60 dB down (@ High and Middle power)  
 At least 40 dB down (@ Low power)

Microphone Impedance: 2 kOhms

**Receiver**

Circuit Type: Direct-Conversion

Sensitivity : 0.2 µV for 12 dB SINAD (144 - 147 MHz, NFM)

Selectivity: 12 kHz / 35 kHz (-6 dB / -60 dB)

AF Output: 0.8 W @ 16 ohms for 10% THD (@ 7.4 V)  
 (Internal SP Max Power 1 W)  
 0.8 W @ 16 ohms for 10% THD (@ 7.4 V)  
 (EXT SP Jack Max Power 1 W)

*Specifications are subject to change without notice*

**Supplied Accessories**

- SBR-25LI** 1,950mAh Standard Battery
- SBH-22** Rapid Charger
- SAD-20C** AC Adapter
- SHB-18** Belt Clip
- SRA-17N** Antenna
- Operating Manual
- Warranty Card

**Available Options**

- SBR-26LI** 2,500mAh High Capacity Battery
- SCU-35** Programming Cable
- SCU-36** Cloning Cable
- SSM-512B** VOX Earpiece Microphone



Authorized Dealer:

**จัดจำหน่ายโดย**

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