

YAESU

245MHz FM TRANSCEIVER

FT-24R

Reliable Handheld Transceiver

245MHz 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

Preset 80 Channels for 245MHz CB

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 245.0000 - 245.9875 MHz
 TX 245.0000 - 245.9875 MHz
 FM Broadcast 65-108 MHz

Channel Steps: 12.5 / 25 / 50 kHz

Frequency Stability: ± 2.5 ppm (-10° C to $+60^{\circ}$ 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 , 245 MHz) 7.4 V DC

Operating Temperature: -20° C to $+60^{\circ}$ 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 μ V for 12 dB SINAD (245 - 245.9875 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

บริษัท ออมสื่อสาร จำกัด (สำนักงานใหญ่) ราชพฤกษ์

100 - 101 หมู่ที่ 2 ถนนราชพฤกษ์ ตำบลบางขุนทอง

อำเภอบางกรวย จังหวัดนนทบุรี 11130

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เขตพระนคร กรุงเทพฯ 10200

โทร. 02-224-9334-5

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Please be sure to read the instruction manual before using the product for your safety.