

246.9875 MHz FM TRANSCEIVER

FT-4T

Reliable Handheld Transceiver

246.9875 MHz High Performance Two Way Radio



Ultimate Compact Design
5 Watts of Reliable RF Power
Rugged Construction

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

Preset 160 Channels for 246.9875 MHz CB

VOX Ready for hands-free operation

FM Radio Broadcast Receiver

Lockout Capabilities, Keypad/PTT Lockout

Emergency Operation (Alarm, SOS Flash)

YAESU

Radio Features:

- Compact Design, Measuring W 52.0 mm x H 90.0 mm x D 30.0 mm
- 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 1,750 mAh Li-Ion Battery pack *1
- 3.5-Hour Rapid Charger (SBH-22) Included (Using SBR-28LI)
- VOX Operation with Optional VOX Earpiece Microphone (SSM-512B)
- FM Broadcast Receiver Equipped
- Busy Channel Lock Out (BCLO)
- Battery Saver function
- Automatic Power Off (APO) Feature
- Transmitter Time Out Timer (TOT)

*1 (Tx) 6 sec. : (Rx) 6sec. : (Standby) 48 sec Duty Cycle

Specifications**General**

Frequency Ranges: RX 245.0000 - 246.9875 MHz
TX 245.0000 - 246.9875 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:

- 190 mA (Receive) 200 mW Output (Approx. @7.4V)
- 95 mA (Standby, Saver Off)
- 23 mA (Standby, Saver On)
- 5 mA (Auto Power Off)
- 1.4 A (5 W Tx, 245 MHz) 7.4 V DC

Operating Temperature: -20° C to $+60^{\circ}$ C

Case Size: 52.0mm (W) x 90.0mm (H) x 30.0mm (D)
(W/O knob and antenna)

Weight: 250 g with SBR-28LI and antenna

Transmitter

RF Power Output: 5.0 W (High) / 2.5 W (Middle) / 0.5 W (Low)
(@ 7.4 V with SBR-28LI)

Modulation Type: Variable Reactance

Maximum Deviation: ± 2.5 kHz

Spurious Emission: At least 60 dB down (@ High and Middle power)
At least 50 dB down (@ Low power)

Microphone Impedance: 2 k Ohms

Receiver

Circuit Type: Direct-Conversion

Sensitivity: 0.2 μ V for 12 dB SINAD (245 - 246.9875 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-28LI 1,750mAh Standard Battery
SBH-22 Rapid Charger
SAD-20C AC Adapter
SHB-18 Belt Clip
SRA-17N Antenna
Operating Manual
Warranty Card

Available Options

SCU-35 Programming Cable
SCU-36 Cloning Cable
SSM-16B Speaker Microphone
SSM-512B VOX Earpiece Microphone



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