

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:  $\pm 2.5$  ppm ( $-10^{\circ}$  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:  $-20^{\circ}$  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:  $\pm 2.5$  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  $\mu$ 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-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



**YAESU MUSEN CO., LTD.** <http://www.yaesu.com/jp>

Tennozu Parkside Building

2-5-8 Higashi-Shinagawa, Shinagawa-ku, Tokyo, Japan