

**YAESU**  
The radio

**VHF / UHF 5W Dual Band  
FM Handheld Transceiver**

**FT-65**

《FT-65R: US and Asia FT-65E: Europe》

**VHF 5W Single Band  
FM Handheld Transceiver**

**FT-25**

《FT-25R: US and Asia FT-25E: Europe》

# High Performance Commercial Grade Specifications



**FT-25**

**FT-65**

《Actual Size》

## Compact Design

W:H:D 2.1" x 4.1" x 1.2" (52.5 x 104.5 x 31 mm)

## Commercial Grade Specifications

IP54 and MIL-810-C,D and E

## 1 W Powerful and Clear Audio

BTL Amplifier and 36 mm Speaker

## 5 W Reliable Output Power

Selectable 5 W/2.5 W/0.5 W

## QRK (Quick Recall Key) for Easy Operation

Quick Access to Favorite Functions

## Emergency Signaling

LED Flashlight, Alarm and Quick HOME Channel Access

# FT-65 : VHF/UHF Dual Band 5 W FM Handheld Transceiver

## FT-25 : VHF 5 W FM Handheld Transceiver

《FT-65R: US and Asia FT-65E: Europe》  
《FT-25R: US and Asia FT-25E: Europe》

*The FT-65 and FT-25 are compact FM transceivers, ruggedly constructed to meet commercial grade specifications. They are packed with the high performance and valuable features demanded by Radio operators around the world.*

### MAIN FEATURES

- Compact Design, Measuring W 2.1" x H 4.1" x D 1.2" (52.5 x 104.5 x 31 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))
- One Watt Powerful Audio Output and Clear Audio from the 36 mm Front Speaker
- Rugged Construction : Meets IP54 Rating (Dust/Water protection), MIL-810-C,D and E
- QRK (Quick Recall Key) : Four User Programmable Keys for Quick Access to favorite functions
- Over 9 hours Operating time with Supplied 1,950 mAh Li-Ion Battery pack\*1
- Optional High-capacity 2,500 mAh Li-Ion 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)
- Large White LED flashlight, Alarm and Quick Home Channel Access for Emergency Signaling
- Versatile Scanning Capabilities:  
(Programmed VFO Scan, Memory Scan, Priority Channel Scan, Weather Alert Scan)
- WX Channels with "Severe Weather" Alert (US Version)
- VOX Operation with Optional VOX Earpiece Microphone (SSM-512B)
- PC Programmable with Optional Programming Cable (SCU-35)
- Transceiver-to-Transceiver Cloning with Optional Cloning Cable (SCU-36)
- FM Broadcast Receiver Equipped
- ARTS (Automatic Range Transponder System)
- DTMF Operation
- CTCSS / DCS Operation
- Busy Channel Lock Out (BCL0)
- 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

| MODEL                 | FT-65                                                                                                                                                                                                      | FT-25                                                                                                        |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| GENERAL               |                                                                                                                                                                                                            |                                                                                                              |
| Frequency Ranges      | RX 136 - 174 MHz<br>400 - 480 MHz<br>TX 144 - 148 (146) MHz<br>136 - 174 MHz (Asia)<br>430 - 450 (440) MHz<br>400 - 480 MHz (Asia)<br>FM Broadcast 65-108 MHz                                              | RX 136 - 174 MHz<br>—<br>TX 144 - 148 (146) MHz<br>136 - 174 MHz (Asia)<br>—<br>—<br>FM Broadcast 65-108 MHz |
| Channel Steps         | 5/6.25/10/12.5/15/20/25/50/100 kHz                                                                                                                                                                         |                                                                                                              |
| Frequency Stability   | ±5 ppm +14 °F to +140 °F (−10 °C to +60 °C)                                                                                                                                                                |                                                                                                              |
| Emission Type         | F2D, F3E                                                                                                                                                                                                   |                                                                                                              |
| Antenna Impedance     | 50 Ohms                                                                                                                                                                                                    |                                                                                                              |
| Supply Voltage        | Nominal: 7.4 V DC, Negative Ground                                                                                                                                                                         |                                                                                                              |
| Current Consumption   | 205 mA (Receive) 200 mW Output<br>100 mA (Standby, Saver Off)<br>18 mA (Standby, Saver On)<br>4 mA (Auto Power Off)<br>1.5 A (5 W Tx , 144 MHz) 7.4 V DC<br>1.7 A (5 W Tx , 430 MHz) 7.4 V DC * FT-65 only |                                                                                                              |
| Operating Temperature | − 4 °F to +14 °F (− 20 °C to + 60 °C)                                                                                                                                                                      |                                                                                                              |
| Case Size             | 2.1" (W) x 4.1" (H) x 1.2" (D) (52.5 x 104.5 x 31 mm)<br>(w/o Knob and Antenna)                                                                                                                            |                                                                                                              |
| Weight                | 9.17 Oz (260 g) with SBR-25LI and Antenna                                                                                                                                                                  |                                                                                                              |
| TRANSMITTER           |                                                                                                                                                                                                            |                                                                                                              |
| RF Power Output       | 5 W (High) / 2.5 W (Middle) / 0.5 W (Low) @ 7.4 V                                                                                                                                                          |                                                                                                              |
| Modulation Type       | Variable Reactance                                                                                                                                                                                         |                                                                                                              |
| Maximum Deviation     | ±5.0 kHz                                                                                                                                                                                                   |                                                                                                              |
| Spurious Emission     | At least 60 dB down (@ High and Middle power)<br>At least 40 dB down (@ Low power)                                                                                                                         |                                                                                                              |
| Microphone Impedance  | 2 k Ohms                                                                                                                                                                                                   |                                                                                                              |
| RECEIVER              |                                                                                                                                                                                                            |                                                                                                              |
| Circuit Type          | Direct-Conversion                                                                                                                                                                                          |                                                                                                              |
| Sensitivity           | 0.2 µV for 12 dB SINAD (140 - 150 MHz, NFM)<br>0.2 µV for 12 dB SINAD (420 - 470 MHz, NFM) * FT-65 only                                                                                                    |                                                                                                              |
| Selectivity           | 12 kHz / 35 kHz (−6 dB / −60 dB)                                                                                                                                                                           |                                                                                                              |
| AF Output             | MAX Power 1 W @ 16 Ohms, 0.8 W @ 16 Ohms for 10 % THD                                                                                                                                                      |                                                                                                              |

### SUPPLIED ACCESSORIES

- Li-Ion battery (7.4 V 1,950 mAh) SBR-25LI
- Rapid Charger SBH-22
- AC Adapter SAD-20B/C/U \*2
- Belt Clip SHB-18
- Antenna

### OPTIONS

|                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |
| SBR-25LI *3<br>7.4 V, 1,950 mAh<br>Li-Ion Battery                                   | SBR-26LI<br>7.4 V, 2,500 mAh<br>Li-Ion Battery                                      | SBH-22 *3<br>Rapid Charger                                                          | SAD-20B/C/U *2*3<br>AC Adapter                                                      | SCU-35<br>Programming cable                                                          | SCU-36<br>Cloning Cable                                                               | SSM-512B<br>VOX Earpiece<br>Microphone                                                |

\*2 B: for 120 VAC, C: for 220-240 VAC, U: for 220-240 VAC w/BF plug \*3 The same as the supplied accessory

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 accessories, 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. Some information may have been updated since the time of printing; please check with your Authorized Yaesu Dealer for complete details.

**YAESU**  
The radio

YAESU MUSEN CO., LTD. <http://www.yaesu.com/jp>  
Tennozu Parkside Building 2-5-8 Higashi-Shinagawa, Shinagawa-ku, Tokyo 140-0002, Japan

YAESU USA <http://www.yaesu.com>  
US Headquarters 6125 Phyllis Drive, Cypress, CA 90630, U.S.A.

YAESU UK <http://www.yaesu.co.uk>  
Unit 12, Sun Valley Business Park, Winnall Close Winchester, Hampshire, SO23 0LB, U.K.

