

**YAESU**  
The radio

VHF / UHF 5W Dual Band  
FM Handheld Transceiver

**FT-4X**

《FT-4XR: US and Asia FT-4XE: Europe》

VHF 5W Single Band  
FM Handheld Transceiver

**FT-4V**

《FT-4VR: US and Asia FT-4VE: Europe》

# Ultimate Compact FM Handheld Excellent Performance and Features



FT-4X

《Actual Size》

FT-4V

## Ultimate Compact Design

W/H/D: 2.1" x 3.5" x 1.2" (52 x 90 x 30mm)

## 5W Reliable TX Output Power

Selectable 5W/2.5W/0.5W

## QRK (Quick Recall Key) for adaptable Operation

Quick Access to Favorite Functions

## 223 Memory Channels

Programmable with 6-character alpha-numeric tags

\* 222 Memory Channels for FT-4V

## 1W Powerful and Clear Audio Output

BTL Amplifier and 36mm Front Speaker

## Emergency Signaling

One-touch Alarm and Quick HOME Channel Access

## Included 1,750mAh Li-ion Battery Pack

Over 15 hours operating time

# FT-4X : VHF/UHF Dual Band 5W FM Handheld Transceiver

# FT-4V : VHF 5W FM Handheld Transceiver

《FT-4XR: US and Asia FT-4XE: Europe》  
 《FT-4VR: US and Asia FT-4VE: Europe》

The FT-4X and FT-4V are Ultimate compact, ruggedly constructed FM transceivers with an oversized front speaker that provides a full 1 watt of crisp, clear high quality audio output. They are packed with excellent performance and valuable features demanded by discriminating Radio operators.

## MAIN FEATURES

- ▶ Ultimate Compact Design, Measuring W 2.1" x H 3.5" x D 1.2" (52 x 90 x 30mm)
- ▶ 5 Watts of Reliable RF Power within an ultra-compact body
- ▶ Three Selectable TX Power settings: 5W(High) / 2.5W(Middle) / 0.5W(Low)
- ▶ One Watt Powerful Audio Output and Clear Audio from the 36mm Front Speaker
- ▶ QRK (Quick Recall Keys) Two User Programmable Keys for direct Access to favorite functions
- ▶ 223 (222 for FT-4V) Memory Channels: 200 basic memories, 3 Home-channels (2 Home-channels for FT-4V) and 10 sets of PMS memory channels
- ▶ The Channel TAGs are programmable with 6 alpha-numeric characters for easy recognition
- ▶ Over 15 hours\*1 Operating time with Supplied 1,750mAh Li-ion Battery pack
- ▶ 3.5-Hour Rapid Charger (SBH-22) Included (With SBR-28LI)
- ▶ One-touch Alarm and Quick Home Channel Access for Emergency Signaling
- ▶ Versatile Scanning Capabilities: VFO Scan, Memory Scan, Programmable memory scan (PMS), Memory bank scan, and Dual receive
- ▶ WX Channels with "Severe Weather" Alert\*2
- ▶ 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) function
- ▶ DTMF Operation
- ▶ CTCSS / DCS Operation
- ▶ Busy Channel Lock Out (BCLO)
- ▶ Battery Saver function
- ▶ Automatic Power Off (APO) Feature
- ▶ Transmitter Time Out Timer (TOT)



\*1 (Tx) 5: (Rx) 5: (Standby) 90 Duty Cycle  
 @ 5W Tx Power (144MHz band)

\*2 Only available in NOAA weather service areas.

## SPECIFICATIONS

MODEL	FT-4X	FT-4V
<b>GENERAL</b>		
Frequency Ranges	RX 136 - 174MHz 400 - 480MHz TX 144 - 148 (146MHz) 136 - 174MHz (Asia) 430 - 450 (440MHz) 400 - 480MHz (Asia) FM Broadcast 65-108MHz	RX 136 - 174MHz — TX 144 - 148 (146MHz) 136 - 174MHz (Asia) — — FM Broadcast 65-108MHz
Channel Steps	5/10/12.5/15/20/25/50/100kHz	
Frequency Stability	±2.5ppm +14°F to +140°F (−10°C to +60°C)	
Emission Type	F2D, F3E, F2A	
Antenna Impedance	50 Ohms	
Supply Voltage	Nominal: 7.4V DC, Negative Ground	
Current Consumption	190mA (Receive) 200mW Output 95mA (Standby, Saver Off) 23mA (Standby, Saver On) 5mA (Auto Power Off) 1.5A (5W Tx, 144MHz) 7.4V DC 1.7A (5W Tx, 430MHz) 7.4V DC *FT-4X only	
Operating Temperature	−4°F to +14°F (−20°C to +60°C)	
Case Size	2.1"(W) x 3.5"(H) x 1.2"(D) (52 x 90 x 30mm) (without knob and Antenna)	
Weight	8.82oz (250g) with SBR-28LI and Antenna	
<b>TRANSMITTER</b>		
RF Power Output	5W (High) / 2.5W (Middle) / 0.5W (Low) @ 7.4V with SBR-28LI	
Modulation Type	Variable Reactance	
Maximum Deviation	±5.0kHz	
Spurious Emission	At least 60dB down (@ High and Middle power) At least 50dB down (@ Low power)	
Microphone Impedance	2k Ohms	
<b>RECEIVER</b>		
Circuit Type	Direct-Conversion	
Sensitivity	0.2µV for 12dB SINAD (140 - 150MHz, NFM) 0.2µV for 12dB SINAD (420 - 470MHz, NFM) *FT-4X only	
Selectivity	12kHz / 35kHz (−6dB / −60dB)	
AF Output	MAX Power 1W @ 16 Ohms, 0.8W @ 16 Ohms for 10% THD	

Specifications are subject to change without notice, and are guaranteed within the amateur bands only. Frequency ranges and functions will vary according to transceiver version; check with your dealer.

## SUPPLIED ACCESSORIES

- Li-ion battery (7.4V 1,750mAh) SBR-28LI
- Rapid Charger SBH-22
- AC Adapter SAD-20
- Belt Clip SHB-18
- Antenna

## OPTIONS

						
SBR-28LI *3 7.4V 1,750mAh Li-ion Battery	SBH-22 *3 Rapid Charger	SAD-20 *3*4 AC Adapter	SCU-35 Programming cable	SCU-36 Cloning Cable	SSM-512B VOX Earpiece Microphone	SSM-16B Compact Speaker Microphone

\*3 The same as the supplied accessory \*4 Depending on the transceiver version

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

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