

Reliable FM 5W Single Band Handheld Transceiver

# FT-252

VHF FM TRANSCEIVER

# FT-257

UHF FM TRANSCEIVER

**Compact and High Performance**



FT-252

2 m  
Single BAND

- New Ergonomic design and Large Backlit LCD Display for better operation
- 5 Watts of Stable RF Power
- 800 mW of Loud Audio for noisy field operations



FT-257

70 cm  
Single BAND

- ATS (Automatic Transponder System) "beeps" when moving out of communication range
- 200 Memory Channels for Serious users
- Water Protection - IPX5 Rating

Actual Size

# FT-252 VHF FM 5W 2m · FT-257 UHF FM 5W 70cm Single Band Handheld Transceiver

The FT-252 and FT-257 are compact, simple to operate handheld radios that provide up to 5 Watts of RF power, along with loud audio output (800 mW) for the 2 m or 70 cm amateur bands.

The FT-252 and FT-257 ruggedly constructed water resistant bodies are sealed tight to meet IPX5 protection requirements. They are packed with popular and valuable features demanded by Amateur Radio operators around the world, including 200 memory channels with 10 flexible memory banks, CTCSS/DCS encode/decode, Multiple scanning modes, Dual-watch, Automatic Repeater Shift, and ATS (Automatic Transponder System).

## Main Features

- New Ergonomic design and Large Backlit LCD Display
- High Power Output: 5 Watts (FNB-124LI)
- Loud 800 mW Audio output
- ATS (Automatic Transponder System) "beeps" when you move out of communication range
- 200 Memory Channels with Alpha-numeric tags (maximum 6 characters)
- 10 Memory banks for Channel allocation
- Emergency Operation (Alarm, Flash, Morse Code Message)
- NOAA Weather channels and Weather Alert (FT-252 only)
- Password Protection
- CTCSS (50 tones) and DCS (104 codes) Encode/Decode, with split Tone and DCS Encode-only capability
- Scanning Mode: VFO / Memory / PMS / Dual Watch
- Nine DTMF Auto-dialer memories
- Keypad/Dial/PTT Lockout capability
- RF squelch
- Memory-only operating mode available for easy operation
- Rugged case construction and Submersible (Water Protection IPX5 Rating)
- Smart Search for easily select active channels
- Battery Voltage Display
- Adjustable TX Deviation Level ( ±5 kHz or ±2.5 kHz)
- Transmit Time-Out-Timer (TOT) and Automatic Power-Off (APO)
- Busy Channel Lock-Out (BCLO)
- Automatic Repeater Shift (ARS)

## SPECIFICATIONS

	FT-252	FT-257
<b>General</b>		
Frequency Ranges	RX 136 - 174 MHz TX 144 - 148 MHz	RX 400 - 480 MHz TX 430 - 450 MHz
Channel Steps	5/10/12.5/15/20/25/100 kHz	
Frequency Stability	±5 ppm @ 14° to 140° F (-10° to +60° C)	
Repeater Shift	±600 kHz	±1.6 MHz, ±5 MHz, ±7.6 MHz
Emission Type	F2D, F3E	
Antenna Impedance	50 Ohms	
Supply Voltage (Negative Ground)	Nominal: 7.4 V DC Operating: 5.0 - 10.0 V DC (EXT DC Jack)	
Current Consumption (Approx.) @7.4 V	200 mA (Receive, 200 mW output) 70 mA (Standby, Saver Off) 25 mA (Standby, Saver On) 0.5 mA (Auto Power Off)	
	1.6 A (5 W TX)	1.8 A (5 W TX)
Operating Temperature	-4° to 140° F (-20 °C to +60 °C)	
Case Size	2.45" (W) x 4.74" (H) x 1.52" (D) (62 x 120.5 x 38.5 mm) (W/O knob, antenna, & belt clip)	
Weight	9.9 Oz (280 g) with FNB-124LI, antenna, and belt clip	
<b>Transmitter</b>		
RF Power Output	5.0 W (High) / 2.0 W (Middle) / 0.5 W (Low) (@7.4 V)	
Modulation Type	Variable Reactance F2D, F3E	
Maximum Deviation	±5.0 kHz (F2D, F3E)	
Spurious Emission	At least 60 dB down (@ High and Middle power) At least 40 dB down (@ Low power)	
Microphone Impedance	2 k Ohms	
<b>Receiver</b>		
Circuit Type	Direct-Conversion	
Sensitivity	0.2 µV for 12 dB SINAD (144-148 MHz)	0.2 µV for 12 dB SINAD (430-450 MHz)
Selectivity	12 kHz/35 kHz (-6 dB /-60 dB)	
AF Output	800 mW @ 16 Ohms for 10 % THD (@ 7.4 V) (Internal Speaker)	

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

## ACCESSORIES & OPTIONS

 <b>FNB-124LI</b> 1030 mAh Li-ion Battery	 <b>PA-48B/C/F*</b> Battery Charger	 <b>CD-57</b> Charger Cradle	 <b>SDD-11</b> DC Cable with Cigarette-Lighter Adapter	 <b>E-DC-6</b> DC Cable, plug and wire only	 <b>CN-3</b> BNC-to-SMA Adapter
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\*"B" suffix is for use with 100-120VAC, "C" is for use with 230-240 VAC, and "F" is for use with 220VAC. Battery Charger for USA Version is SAD-11B.

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.

## Supplied Accessories

**FNB-124LI** Li-ion Battery  
(7.4V, 1030 mAh)  
**PA-48B/C/F\*** Battery Charger  
**Antenna**  
**Belt Clip**

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