

2 m/70 cm DUAL BAND FM TRANSCEIVER  
**FT-7900R/E\***

\*E for European Version

**Heavy-Duty FM Dual Band Mobile  
with Exceptionally Wide Receiver Coverage\***

\*108 to 520 MHz/ 700 to 999.99 MHz (Cellular blocked)

- Large Backlit LCD Display for easy operation
- Stable RF Power (50 Watts VHF / 45 Watts UHF)
- Reliable performance in harsh environments
- 5 ppm Frequency Stability (+14° F to +140° F/ -10° C to +60° C)
- 1000 Memory Channels for serious users
- Yaesu Unique Power Saving Circuit Design  
Minimizes Vehicle Battery Drain



• Separation Kit for Remote Mounting  
(optional separation kit YSK-7800 requires)

**YAESU**  
Choice of the World's top DX'ers™

Get "Back to Basics" with YAESU's economically priced One-Touch Operation FT-7900R/E Dual Band FM Mobile. Back-lit push button controls ensure extraordinarily easy and safe operation while driving at night. The exceptionally wide receiver coverage provides all sorts of additional uses!

**Main Features**

- One-Touch Hyper Memories Feature
- High Power Output, (50 Watts on VHF, 45 Watts on UHF)
- 4 power output levels: HIGH (50/45 watts), MID2 (20 watts), MID1 (10 watts), LOW (5 watts).
- Wide Frequency Coverage  
TX: 144 - 146 (148) MHz and 430 - 440 (450) MHz  
RX: 108 - 520 MHz, 700 - 999.990 MHz (Cellular Blocked)
- Remote Front Panel Design (Optional YSK-7800 Requires)
- The liquid crystal display indicate operating frequency, status of functions, alpha-numeric memory labels
- A 1000 memory channels with 20 Memory Groups.
- 50-Tone CTCSS/ 104-Tone DCS Tone System
- 16 DTMF memories can store 16 digits each for quick playback of commonly used numbers.
- Scanning Function, VFO Scan, Memory Channel Scan, Programmable Memory Scan and Priority Scan.
- The Smart Search feature, which automatically sweeps a band and loads active frequencies into dedicated memory banks, is ideal for identifying active repeaters when visiting a city for the first time.
- 1200 or 9600 bps Packet Operation
- Internet Connecting : WIRES™ (Wide-Coverage Internet Repeater Enhancement System)
- ARTS™ (Auto-Range Transponder System)
- ARS (Automatic Repeater Shift)
- APO (Automatic Power Off), TOT (Transmitter Time-Out Timer)
- Radio to Radio Cloning

**ACCESSORIES & OPTIONS**

 <b>MH-42B6JS</b> Hand Microphone	 <b>FP-1030A</b> AC Power Supply (25A)	 <b>FP-1023A</b> (U.S.A. only) AC Power Supply (25A)
 <b>MLS-100</b> High-Power External Speaker	 <b>YSK-7800</b> Separation Kit	 <b>MMB-60</b> Quick Release Mobile Mounting Bracket
 <b>MEK-2</b> Microphone Extension Kit	 <b>CT-39A</b> Packet Interface Cable	

Technical specs subject to change without notice. The FT-7900R has not been approved by the FCC. This device may not be sold or leased, or offered for sale or lease, until FCC approval has been obtained.

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.

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For the latest Yaesu news, visit us on the Internet: <http://www.vxstd.com>

**SPECIFICATIONS**

General	
Frequency Range	RX: 108.000 - 520.000 MHz, 700.000 - 999.990 MHz TX: 144.000 - 148.000 MHz or 144.000 - 146.000 MHz, 430.000 - 450.000 MHz or 430.000 - 440.000 MHz
Channel Steps	5/10/12.5/15/20/25/50/100 kHz
Modes of Emission	F3E, F2D, F2A
Antenna Impedance	50 Ohms, unbalanced (Antenna Duplexer built-in)
Frequency Stability	±5 ppm @ +14° F to +140° F (-10° C to +60° C)
Operating Temperature Range	-4° F to +140° F (-20° C to +60° C)
Supply Voltage	13.8 VDC (±15 %), negative ground
Current Consumption (Approx.)	RX: 0.5 A (Squelched) TX: 8.5 A (144 MHz, 50 W) 9 A (430 MHz, 45 W)
Case Size (W x H x D)	5.5" x 1.6" x 6.6" (140 x 41.5 x 168 mm) (w/o knobs)
Weight (Approx.)	2.2 lb (1 kg)
Transmitter	
Output Power	50/20/10/5 W (144 MHz) 45/20/10/5 W (430 MHz)
Modulation Type	Variable Reactance
Maximum Deviation	±5 kHz, ±2.5 kHz
Spurious Radiation	At least -60 dB below
Microphone Impedance	2 k-Ohms
DATA Jack Impedance	10 k-Ohms
Receiver	
Circuit Type	Double-conversion superheterodyne
Intermediate Frequencies	45.05 MHz/450 kHz
Sensitivity	0.8 µV (TYP) for 10 dB SN (108 - 137 MHz, AM) 0.2 µV for 12 dB SINAD (137 - 150 MHz, FM) 0.25 µV for 12 dB SINAD (150 - 174 MHz, FM) 0.3 µV (TYP) for 12 dB SINAD (174 - 222 MHz, FM) 0.25 µV (TYP) for 12 dB SINAD (222 - 300 MHz, FM) 0.8 µV (TYP) for 10 dB SN (300 - 336 MHz, AM) 0.25 µV for 12 dB SINAD (336 - 420 MHz, FM) 0.2 µV for 12 dB SINAD (420 - 520 MHz, FM) 0.4 µV (TYP) for 12 dB SINAD (800 - 900 MHz, FM) 0.8 µV (TYP) for 12 dB SINAD (900 - 999.99 MHz, FM)
Squelch Sensitivity	Better than 0.16 µV
Selectivity (-6dB/-60dB)	12 kHz/30 kHz
Maximum AF Output	2 W @ 8 Ohms for 10% THD
AF Output Impedance	4-16 Ohms

Specifications are subject to change without notice, and are guaranteed within the 144 and 430 MHz amateur bands only. Frequency ranges will vary according to transceiver version.

**Supplied Accessories**

- MH-48A6J** Microphone
- MMB-36** Mobile Mounting Bracket
- DC Power Cord w/Fuse**
- Spare Fuse 15 A**

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