

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



Actual Size

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

YAESU
Choice of the World's Top DXers™

Get "Back to Basics" with YAESU's economically priced One-Touch Operation FT-7900R/E Dual Band FM Mobile. Back push button controls ensure extraordinarily easy and safe operation while driving at night. The exceptionally wide reception 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

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

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. 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>

RADIO 33



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SPECIFICATIONS

General

Frequency Range	RX: 108.000 - 520.000 MHz, 700.000 - 999.990 MHz TX: 144.000 - 148.000 MHz or 144.000 - 148.000 430.000 - 450.000 MHz or 430.000 - 440.000
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Channel Steps	5/10/12.5/15/20/25/50/100 kHz
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Modes of Emission	F3E, F2D, F2A
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Antenna Impedance	50 Ohms, unbalanced (Antenna Duplexer bu
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Frequency Stability	±5 ppm @ +14° F to +140° F (-10° C to +6
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Operating Temperature Range	-4° F to +140° F (-20° C to +60° C)
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Supply Voltage	13.8 VDC (±15 %), negative ground
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Current Consumption (Approx.)	RX: 0.5 A (Squelched) TX: 8.5 A (144 MHz, 50 W) 9 A (430 MHz, 45 W)
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Case Size (W x H x D)	5.5" x 1.6" x 6.6" (140 x 41.5 x 168 mm) (w/o k
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Weight (Approx.)	2.2 lb (1 kg)
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Transmitter

Output Power	50/20/10/5 W (144 MHz) 45/20/10/5 W (430 MHz)
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Modulation Type	Variable Reactance
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Maximum Deviation	±5 kHz, ±2.5 kHz
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Spurious Radiation	At least -60 dB below
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Microphone Impedance	2 k-Ohms
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DATA Jack Impedance	10 k-Ohms
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Receiver

Circuit Type	Double-conversion superheterodyne
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Intermediate Frequencies	45.05 MHz/450 kHz
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Sensitivity	0.8 μV (TYP) for 10 dB SN (108 - 137 MHz, 0.2 μV for 12 dB SINAD (137 - 150 MHz, 0.25 μV for 12 dB SINAD (150 - 174 MHz, 0.3 μV (TYP) for 12 dB SINAD (174 - 222 MHz, 0.25 μV (TYP) for 12 dB SINAD (222 - 300 MHz, 0.8 μV (TYP) for 10 dB SN (300 - 336 MHz, 0.25 μV for 12 dB SINAD (336 - 420 MHz, 0.2 μV for 12 dB SINAD (420 - 520 MHz, 0.4 μV (TYP) for 12 dB SINAD (800 - 900 MHz, 0.8 μV (TYP) for 12 dB SINAD (900 - 999.99 MHz)
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Squelch Sensitivity	Better than 0.16 μV
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Selectivity (-60dB/60dB)	12 kHz/30 kHz
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Maximum AF Output	2 W @ 8 Ohms for 10% THD
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AF Output Impedance	4-16 Ohms
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Specifications are subject to change without notice, and are guaranteed within the 430 MHz amateur bands only. Frequency ranges will vary according to transceiver version.

Supplied Accessories

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