

ULTRA RUGGED 55 W 2 m FM TRANSCEIVER

# FT-1900R/E\*

\*E for European Version

## Best Selling, Reliable Mobile

- 55 Watts of Solid RF Power within a compact footprint
- Loud 3 Watts of Audio Output Power for noisy environments
- Large 6 Digit Backlit LCD for excellent visibility
- 200 Memory Channels for serious users

**55 WATTS**



Actual Size

The ruggedly built yet compact new FT-1900R/E 2-meter FM Transceiver brings you Yaesu's legendary mechanical toughness along with outstanding receiver performance and 55 watts with crisp, clean audio that will get your message through!

**Main Features**

- 200 Regular Memory Channels with Alpha-numeric tags (maximum 6 characters)
- Eight Memory banks for Channel allocation (possible to put the name for banks)
- 55 Watts RF Power Output
- Loud Audio 3 W with the Internal Speaker
- CTCSS (50 tones) and DCS (104 codes) Encode/Decode, with split Tone and DCS Encode-only capability
- RF Squelch
- Automatic Repeater Shift
- Separate Transmit Frequency Memories ("Odd Splits")
- Tone Search Scanning
- EPCS (Enhanced Paging & Code Squelch) Operation
- CTCSS/DCS/EPCS Bell Operation
- DCS Code Inversion
- Split Tone Operation
- DTMF Auto dialer (10 channel) Operation
- DC Voltage indication feature
- Memory-Only Mode
- Password function
- Scan feature: Preferential Memory Scan, Programmable memory scan, VFO scan, Priority Channel Scanning (Dual Watch), Memory Bank Link Scan and Weather Alert Scan (USA version only)
- Convenient Access key for the Vertex Standard's WiRES (Wide-coverage Internet Repeater Enhancement System)
- Programming the Key Assignments (4 keys)
- RF squelch (only pass signals exceeding the programmed level)
- Weather Broadcast Reception (USA version only)
- Severe Weather Alert Feature (USA version only)
- ARTS™
- CW Training
- Smart Search Operation
- Time-Out Timer (TOT)
- Automatic Power-Off (APO)
- Busy Channel Lock-Out (BCLO)
- Adjustable TX Deviation Level
- Cloning

**SPECIFICATIONS**

General	
Frequency Range	TX 144 - 146 (148) MHz RX 136 - 174 MHz, 144- 146 MHz
Channel Step	5, 10, 12.5, 15, 20, 25, 50 and 100 kHz
Standard Repeater Shift	±600 kHz
Frequency Stability	Better than ±10 ppm -4° F to +140° F (-20° C to +60° C)
Emission type	F2D, F3E
Antenna Impedance	50 Ohms, unbalanced
Supply voltage	13.8 V DC ±15 %, negative ground
Current Consumption (typical)	RX: less than 0.7 A, less than 0.3 A (squelched) TX: 11 A (55 W) / 7 A (25 W) / 5 A (10 W) / 4 A (5 W)
Operating Temperature Range	-4° F to +140° F (-20° C to +60° C)
Case Size (W x H x D)	5.8" x 1.6" x 5.8" (140 x 40 x 146 mm) (w/o knobs)
Weight (Approx.)	2.6 lb (1.2 kg)
Transmitter	
Output Power	55 W/25 W/10 W/5 W
Modulation Type	Variable Reactance
Maximum Deviation	±5 kHz / ±2.5 kHz
Spurious Radiation	Better than -60 dB
Microphone Impedance	2 k-Ohms
Receiver	
Circuit Type	Double Conversion Superheterodyne
I <sub>f</sub> s	21.7 MHz & 450 kHz
Sensitivity (for 12dB SINAD)	Better than 0.2 µV
Selectivity (-6/-60dB)	12 kHz/28 kHz
IF Rejection	Better than 70 dB
Image Rejection	Better than 70 dB
Maximum AF Output	3 W into 4 Ohms @ 10 % THD

Specifications subject to change without notice or obligation.  
Specifications guaranteed only within Amateur band.

**ACCESSORIES & OPTIONS**

 <b>FP-1030A</b> External Power Supply (25A)	 <b>FP-1023A</b> (U.S.A. only) AC Power Supply (25 A)	 <b>MLS-100</b> External Speaker (12 W Peak Power)
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**Supplied Accessories**

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

Technical specs subject to change without notice. The FT-1900R 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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