

PORTABLE/BASE STATION

FT-8900R

29/50/144/430 MHz
QUAD BAND



ACTUAL SIZE

SPECIFICATIONS

General

Frequency Range: RX: 28.000 - 29.700 MHz, 50.000 - 54.000 MHz, 108.000 - 180.000 MHz, 320.000 - 480.000 MHz, 700 - 985 MHz (Cellular Blocked)
 TX: 28.000 - 29.700 MHz (or 144.000 - 148.000 MHz), 144.000 - 146.000 MHz (or 144.000 - 148.000 MHz), 430.000 - 440.000 MHz (or 430.00 - 450.000 MHz)

Frequency Steps: 5/10/12.5/15/20/25/50 kHz
 Operating Modes: F3, F2
 Antenna Impedance: 50 Ohms, unbalanced (Antenna Duplexer built-in)
 Frequency Stability: ±5 ppm @14 ° F ~ +140° F (-10 °C ~ +6 °C)
 Operating Temperature Range: -4° F ~ +140° F (-20 °C ~ +6 °C)
 Supply Voltage: 13.8 VDC ±15%, negative ground
 Current Consumption (Approx.): RX: 0.5 A (Squelched)
 TX: 8.0 A (50/430 MHz), 8.5 A (29/144 MHz)

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 & connectors)
 Weight (Approx.): 2.2 lb (1 kg)

Transmitter

Power Output: 50/20/10/5 W (29/50/144 MHz), 35/20/10/5 W (430 MHz)
 Modulation Type: Variable Reactance
 Maximum Deviation: ±5 kHz
 Spurious Radiation: Better than -60 dB (29 MHz: Better than -50 dB)
 Modulation Distortion: Less than 3%
 Microphone Impedance: 2 kΩ
 DATA Jack Impedance: 10 kΩ

Receiver

Circuit Type: Double-conversion superheterodyne
 Intermediate Frequencies: 45.05 MHz/450 kHz (Left band), 47.25 MHz/450 kHz (Right band)
 Sensitivity (for 12dB SINAD): Better than 0.2µV
 Squelch Sensitivity: Better than 0.1µV
 Selectivity (-6dB/-60dB): 12 kHz/30 kHz
 Maximum AF Output: 2 W @8Ω for 5% THD
 AF Output Impedance: 4-16Ω

Specifications are subject to change without notice, and are guaranteed within the 29, 50, 144, and 430 MHz amateur bands only. Frequency ranges will vary according to transceiver version; check with your dealer.

UP/DOWN Keys: Provide VFO channel stepping or Memory Channel selection.

Input Freq. DTMF/Direct

Available functions of Programmable Microphone Keys:

SQL Off	Opens squelch to allow reception of weak signals.
RPTR	Allows setting of repeater shift.
PRI	Activates Priority Channel operation.
LOW	Sets transmitter output power level.
MHz	Configures Main Dial for tuning in 1 MHz steps.
REV	Allows reversal of uplink/downlink frequencies.
HOME	Activates Home Channel operation.
BAND	Toggles Main and Sub bands on display.
VFO/MR	Toggles operation between VFO and Memory modes.

DIAL Knob (Left Band) Frequency Selection Main/Sub Band Selection

Hyper Memory Selection Keys

PTT Switch: Press to Transmit.

DIAL Knob (Right Band) Frequency Selection Main/Sub Band Selection

Input Freq. DTMF/Direct

P3 Programmable Key Default function: same as TONE key.

P4 Programmable Key: Default function: same as LOW key.

P2 Programmable Key Default function: same as V/M Key

P1 Programmable Key Default function: same as BAND Key.

Volume Knob (Left Band)

Volume Knob (Right Band)

Squelch Knob (Left Band)

Squelch Knob (Right Band)

WIRES Internet Key

Left Band Command Keys

Right Band Command Keys

Set Mode Key

Left Band Display Field

Right Band Display Field

COMPONENT PARTS (SET)

MH-48A6J DTMF Microphone (supplied in U.S.A. version)	MH-42B6JS Hand Microphone (supplied w/European and Asian versions)	MLS-100 High-Power External Speaker	YSK-8900 Separation Kit	MMB-62 Remote Front Panel Mounting Bracket	MEK-2 Microphone Extension Kit (for use with Yaesu 8-pin Microphones)	CT-39A Packet Interface Cable	FP-1023 (U.S.A. only) AC Power Supply (25 A)
							FP-1030A AC Power Supply (30 A)

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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