

2 m/70 cm Band FM Dual Band Transceiver

FTM-10R/E*

* E for European Version

Great New Features to Support Outdoor Motor Sports Activities



Actual Size

2 m/70 cm Band FM Dual Band Transceiver
(144MHz 50W / 430 MHz 40W)
FTM-10R/E*



 **YAESU**
Choice of the World's top DX'ersSM

Component parts (Set)

Operation

Audio Amplifier/PA Function

External Audio Input (CD player, iPod®, etc.)

External Stereo Audio Output

- Using after-market headset: iPod® etc. is connected to the LINE IN of the radio. The radio's output is connected to the PTT of the CT-M11 after-market headset.
- Using Bluetooth® headset: iPod® etc. is connected to the LINE IN of the radio. The radio's output is connected to the BU-1 Bluetooth adapter unit, which is then connected to the BH-1 Bluetooth headset.

Hands Free Operation

Intercom Function

- Using Bluetooth® headset: The BU-1 Bluetooth adapter unit is connected to the radio's LINE IN. The BH-1 Bluetooth headset is connected to the BU-1 adapter unit. The radio's output is connected to the PTT of the CT-M11 after-market headset.
- Using after-market headset: The MEK-M10 microphone jack is connected to the radio's output. The CT-M11 after-market headset is connected to the radio's output and the MEK-M10 microphone jack.

Component parts (Set)

- BU-1** Bluetooth® Adapter unit
- BH-1** Waterproof (equivalent to the IP55 Standard) Bluetooth® headset
- FEP-4** Ear Phone for BH-1
- CAB-1** Headset charger sleeve for BH-1 Bluetooth® headset
- BU-1** Bluetooth adapter unit for the front panel and the main body
- BH-1** Waterproof (equivalent to the IP55 Standard) Bluetooth® headset x 2
- CAB-1** Headset charger sleeve for BH-1 Bluetooth® headset

• DC Power Supply
FP-1030A (25 A) / FP-1023A (25 A / USA Version)

Operation

External Microphone

- MIC Jack
- MEK-M10 Microphone Jack for the front control panel

Mount the FTM-10R/E Front Control Panel on a Motorcycle Handlebar

- With Hanger bracket
- Direct mounting

Mount the FTM-10R/E Front Control Panel inside your Motor Vehicle

Separation Kit (more than 10 ft)

Specifications

<p>General</p> <p>Frequency Range: RX: 0.5 - 1.8 MHz (AM BC) 76 - 108 MHz (FM BC) 108-137 MHz (Air Band) 137-174 MHz (144 MHz HAM) 174-222 MHz (GR1 VHF TV) 300-420 MHz (GR2) 420-470 MHz (430 MHz HAM) 470-800 MHz (GR1 UHF TV) 800-999 MHz (GR2 USA Cellular Blocked)</p> <p>TX: 2 m / 70 cm Amateur Bands 5/6/25/8/33/9/10/12.5/15/20/25/50/100/200 kHz (9): AM Only</p> <p>Channel Steps: F3E, F2D Emission Type: 50 Ohms Antenna Impedance: ± 5 ppm @ 14° F ~ +140° F (-10° C ~ +60° C) Operating Temperature Range: -4° F ~ +140° F (-20° C ~ +60° C) Supply Voltage: Nominal: 13.8 V DC, Negative Ground Operating: 11.7 ~ 15.8 V, Negative Ground</p>	<p>Current Consumption: RX: 0.5 A (Receive) (Approx.) 8.3 A / 6 A / 2 A (TX, 2 m 50W / 20 W / 5 W) 8.5 A / 6 A / 2 A (TX, 70 cm 40W / 20 W / 5 W)</p> <p>Case Size (W x H x D): 4.4" x 1.5" x 7" (112 x 37.6 x 178 mm) (w/o knobs & connectors) Weight (Approx.): 2.9 lb. (1.3 kg)</p> <p>Transmitter</p> <p>RF Power Output: 50/20/5 W (2 m) 40/20/5 W (70 cm)</p> <p>Modulation Type: Variable Reactance Maximum Deviation: ± 5 kHz Spurious Radiation: At least -60 dB below Microphone Impedance: 2 kΩ</p> <p>Receiver</p> <p>Circuit Type: FM / AM: Double-Conversion Super heterodyne WFM: Triple-Conversion Super heterodyne AM / FM Radio: Single-Conversion Super heterodyne</p> <p>Intermediate Frequencies: FM / AM: 1st: 47.25 MHz, 2nd: 450 kHz WFM: 1st: 45.8 MHz, 2nd: 10.7 MHz, 3rd: 1 MHz FM Radio: 130 kHz, AM Radio: 50 kHz</p>	<p>Sensitivity:</p> <p>5 μV TYP for 10 dB SN (0.5-1.7 MHz, AM) 2 μV TYP for 12 dB SINAD (76-108 MHz, WFM) 0.8 μV TYP for 10 dB SN (108-137 MHz, AM) 0.2 μV for 12 dB SINAD (137-140 MHz, FM) 0.2 μV for 12 dB SINAD (140-150 MHz, FM) 0.25 μV for 12 dB SINAD (150-174 MHz, FM) 1 μV TYP for 12 dB SINAD (174-222 MHz, WFM) 0.8 μV TYP for 10 dB SN (300-336 MHz, AM) 0.25 μV TYP for 12 dB SINAD (336-420 MHz, FM) 0.2 μV for 12 dB SINAD (420-470 MHz, FM) 5 μV TYP for 12 dB SINAD (470-540 MHz, WFM) 0.2 μV TYP for 12 dB SINAD (540-800 MHz, WFM) 0.4 μV TYP for 12 dB SINAD (800-899.99 MHz, FM) 0.8 μV TYP for 12 dB SINAD (900 - 999.99 MHz, FM) *USA Version Cellular Blocked</p> <p>Squelch Sensitivity: Better than 0.16 μV (Amateur Band)</p> <p>Selectivity: NFM, AM 12 kHz / 30 kHz (-60 dB / -60 dB)</p> <p>AF Output: 8 W @ 4 Ohm for 10% THD @ 13.8 V) BTL EXP SP 4 W @ 4 Ohm for 10% THD @ 13.8 V) Normal EXP SP/CH</p> <p>AF Output Impedance: 4-16 Ω</p>
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