Great New Features to Support Outdoor Motor Sports Activities

2 m / 70 cm Band FM Dual Band Transceiver
FTM-10R/E*
* E for European Version

Actual Size

YAESU
Choice of the World's top DX'ers™
Newly Designed Mobile Transceiver with Waterproof/Dustproof Front Operation Panel to Support All-Weather Outdoor Activity.

(*) Meets the IP57 standard. Waterproof at 3 ft (1 m) for 30 minutes and protection against dust)

HIGH QUALITY, WELL BUILT, RUGGED DUAL BAND FM TRANSCEIVER

- The high power RF output of the FTM-10R/E* is produced by the heavy duty, high efficiency, RF POWER MOS FET amplifier. Powerful and reliable 2 m / 70 cm Band operation is guaranteed.

- The FTM-10R/E* has a completely independent AM/FM broadcast radio receiver, in addition to the amateur band receiver. You will enjoy broadcast band receiver coverage, and high quality operation on the 2 m / 70 cm bands at the same time.

- Band Group Memory System
The versatile memory system uses up to 500 memory channels. Each memory channel can be labeled with an 8-digit alphanumeric tag. The memory channels may be recalled by a specific operating band, if desired.

- The FTM-10R/E* has a large 2 inch/50 mm 1.5W speaker in the die-cast chassis and is equipped with a high power 8-watt audio amplifier, and a PA function for outdoor operation with the optional MLS-200-M10 speaker(s). A high quality 1.1 inch/28 mm speaker is built into the detachable front panel; you can operate it like an HT!

COMPLETE NEW STYLING EASY-TO-OPERATE PACKAGE!

- Great new appearance! The keys and indicators are illuminated with very bright LEDs. The bright ocean blue negative type LCD display is easy on your eyes.

- Super compact detachable front panel is ready to go with your motor vehicle!

- The simple hanger type bracket may be attached to the top or bottom. The front panel may be tilted up or down 20 degrees with an adaptor bracket. The basic installation kit is included. (With the adapter bracket, 10 ft / 3 m separation control cable, magnetic mount, and the one-touch release hanger bracket.)

- The microphone and PTT button are built into the front panel. Detach the front panel with one-touch release when transmitting! The detachable front panel may be separated from the main chassis, and attached to a flat metal surface with the magnetic mounting bracket.

- The optional, moisture and dust protected MLS-200-M10 external loudspeaker is available for use in a noisy outdoor environment.

NB:
1) Use of a communication device with a display while driving may be prohibited in some states and some Countries.
2) Optional microphones and the external microphone jack MEK-M10 are also available.
Hands-free operation is possible, using the wireless Bluetooth® option, and a headset.

**Hands-free operation with VOX function**

**Options**

- BH-1 Bluetooth® headset (Waterproof equivalent to IP55 standard)
- CAB-1 Headset charger sleeve for the BH-1 Bluetooth® headset
- BU-1 Bluetooth® adapter unit

**HEAVY DUTY YET EASY TO OPERATE**

- A minimum number of key buttons on the front control panel, for safer operation during motor sports activities. The large multi-functional dial and durable keys are easy to operate even when wearing gloves.

- Enjoy your FTM-10/E* outdoor with your motorcycle, SUV or RV anywhere! The commercial grade front panel meets the IP57 standard. (Waterproof at 3 feet (1 m) for 30 minutes, and protection against dust.) All connectors are waterproof.

- The main body of the FTM-10R/E* is a solid die-cast aluminum sandwich structure. The high quality die-cast aluminum chassis doubles as the heat sink providing more than enough air-cooled ventilation for the power modules. The sandwich structure also provides far better resistance to vibration and shock than many conventional transceivers and radios.

- The design shields against ignition noise and alternator whine for mobile operation!

- The Smart Key feature: The "F" key on the control panel accesses the most frequently used functions.

**FOR YOUR OUTDOOR MOTOR SPORTS ACTIVITIES**

- Equipped with a high power 8-watt audio amplifier. Use the PA function with the optional, commercial grade MLS-200-M10 speaker.

- With the intercom feature, you can communicate with a fellow passenger. Hands-free intercom operation is available with the optional Bluetooth® function.

- AF Dual Monitor Function: Listen to your favorite AM or FM stereo broadcast station, and monitor an amateur band at the same time! External audio input is also available to connect your iPod®.

**OTHER USEFUL FEATURES**

- Tone control • Band Up/Down key for easy operation. • Simple key locking. • Automatic Volume Control can adjust the speaker volume relative to a nearby noisy environment. • Dimmer — Display brightness control. • Tone control • Band Up/Down key for easy operation. • Simple key locking. • Automatic Volume Control can adjust the speaker volume relative to a nearby noisy environment. • Dimmer — Display brightness control. • Three transmit power levels are available: 50W (70 cm : 40W) / 20W / 5W. • The VOX function includes automatic audio delay on transmit to ensure transmission of the start of your message. • The Time-Out Timer (TOT) function can end a continuous transmission after a preset time. • The Internet Connection Feature can be used to access the Vertex Standard WiRES-II® system. • Various scanning features. • DC input voltage display • The Smart Search feature that will scan and load frequencies automatically where activity is found. • The ARTS™ (Automatic Range Transponder System) feature which provides audio and/or visual confirmation that another ARTS™ equipped station is within communication range.

**COMMUNICATE WITH YOUR FRIENDS ON THE ROAD! LOADED WITH MANY HANDY FUNCTIONS FOR USE DURING ALL-WEATHER OUTDOOR MOTOR SPORTS ACTIVITIES**

- The Club Channel Monitor function permits your group to always monitor the designated user-defined frequency.

- The message function can transmit alphanumeric messages (up to 20 messages/16 characters maximum) with a sender's ID. In an emergency the message can be communicated even in a noisy outdoor environments.

Note: The FTM-10R/E* chassis section is not a waterproof enclosure.

*Photo is Using Optional MEK-M10® headset

*E for European Version
**Options**

**Audio Amplifier/PA Function**

- MIC
- EXT SP Jack
- FEP-4
- PTT

**Customizing Options**

- CT-M11 External Headset Connection Cable
- CAB-1 Headset charger sleeve for BH-1 Bluetooth headset
- BU-1 Bluetooth Adapter unit

**External Stereo Audio Output**

- Using after-market headset
- Using Bluetooth headset

**Hands Free Operation**

- BU-1 Bluetooth Adapter unit
- BU-1 Bluetooth adapter unit (for the front control panel and the main body)
- CAB-1 Headset charger sleeve for BH-1 Bluetooth headset
- BH-1 Headset

**Intercom Function**

- Using Bluetooth headset
- Using after-market headset

**External Microphone**

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

**Supplied Accessories**

- Hand Microphone
- Bluetooth Headset
- Bluetooth Headset
- Bluetooth Headset (for Front Panel)
- Bluetooth Headset (for the front control panel)

**Specifications**

**Audio Amplifier/PA Function**

- **MIC**
- **EXT SP Jack**
- **CT-M11 External Headset Connection Cable**
- **CAB-1 Headset charger sleeve for BH-1 Bluetooth headset**
- **BU-1 Bluetooth Adapter unit**

**Customizing Options**

- **CT-M11 External Headset Connection Cable**

**DC Power Supply**

FP-1030A (25 A) / FP-1023A (25 A / USA Version)

**General**

- Frequency Range: RX: 0.5 - 1.8 MHz (AM BC)
- 250 - 450 MHz (GR1 TV)
- 400 - 470 MHz (GR2 USA Cellular Blocked)
- 76-108 MHz (FM BC)
- 108-137 MHz (Air Band)
- 137-174 MHz (AM Band)
- 174-222 MHz (GR1 VHF TV)
- 420-470 MHz (430 MHz HAM)
- 470-800 MHz (GR1 UHF TV)
- 800-999 MHz (GR2 USA Cellular Blocked)
- 900-999 MHz (GR2 USA Cellular Blocked)

- Channel Steps: 5/25/50/100 Hz
- Emission Type: F3E, F2D
- AF Output: 30 dB below 4 W @ 4 Ohm for 10 % THD (@ 13.8 V) BTL EXP SP
- 5 W @ 4 Ohm for 10 % THD (@ 13.8 V) Normal EXP SP
- 8 W @ 4 Ohm for 10 % THD (@ 13.8 V) BTL EXP SP
- 2 W @ 4 Ohm for 10 % THD (@ 13.8 V) Normal EXP SP

- Sensitivity: 5 EVM Typ for 10 dB SIN (0.5 - 1.7 MHz, AM)
- 2 EVM Typ for 12 dB SINAD (76 - 108 MHz, WFM)
- 0.8 EVM Typ for 10 dB SIN (108 - 137 MHz, AM)
- 0.2 EVM Typ for 12 dB SINAD (137 - 140 MHz, FM)
- 0.2 EVM Typ for 12 dB SINAD (140 - 150 MHz, FM)
- 0.25 EVM Typ for 12 dB SINAD (150 - 174 MHz, FM)
- 1 EVM Typ for 12 dB SINAD (174 - 222 MHz, WFM)
- 0.8 EVM Typ for 10 dB SIN (300 - 336 MHz, AM)
- 0.25 EVM Typ for 12 dB SINAD (336 - 420 MHz, FM)
- 0.2 EVM Typ for 12 dB SINAD (420 - 470 MHz, FM)
- 5 EVM Typ for 12 dB SINAD (470 - 540 MHz, WFM)
- 5 EVM Typ for 12 dB SINAD (540 - 800 MHz, WFM)
- 0.4 EVM Typ for 12 dB SINAD (800 - 899.99 MHz, FM)
- 0.8 EVM Typ for 12 dB SINAD (900 - 999.99 MHz, FM)

**Selectivity**:

- 100 kHz: 80 dB
- 200 kHz: 60 dB

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 to 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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