

# YAESU FTM-3100E

## 2 M FM MOBILE TRANSCEIVER

### OUTPUT 65 W



The new Yaesu FTM-3100E is a ruggedly built, compact FM 2 meter mobile transceiver, providing up to 65 Watts to ensure stable long-distance communications. The front firing speaker delivers 3 Watts of loud and clear audio, even in noisy environments. And you get 220 alphanumeric memories: 199 "Regular" memories, one "Home" channel for a favorite frequency or repeater pair, and 10 sets of band-edge memories. And you can quickly select channels while in the Memory Only Mode.

The supplied hand mic has four programmable keys for one-touch access to your favorite commands such as "Recall Home Channel," "Scan Operation," "Set the TX Power," and "Open Squelch." The commands available with the microphone replicate the corresponding front panel functions.

Other features include:

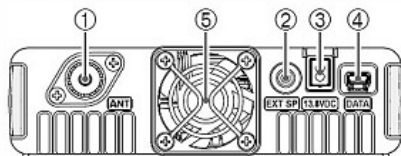
- CTCSS/DCS encode/decode with split Tone and DCS encode-only capability
- RF Squelch
- Transmit Time-Out-Timer (TOT)
- Automatic Power-Off (APO)
- Automatic Repeater Shift (ARS)
- Busy Channel Lock-Out (BCLO)
- Separate Transmit Frequency Memories ("Odd Splits")
- A bright multi-colored LED on the faceplate that indicates the transceiver's status with a two-color combination on the upper and lower portions.

#### General Specifications

Frequency Range Receive : 137-174 MHz  
 Frequency Range Transmit : 144-146 MHz  
 Channel Steps : 5/6.25/10/12.5/15/20/25/50/100 kHz  
 Frequency Stability : Better than  $\pm 2.5$  ppm ( $-20^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ )  
 Mode of Emission : F3E  
 Antenna Impedance : 50 Ohm, Unbalanced  
 Operating temp range :  $-4^{\circ}$  to  $+140^{\circ}\text{F}$  ( $-20^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ )  
 Supply Voltage : DC 13.8V  $\pm 15\%$ , Negative Ground  
 Current Consumption (typical) : RX: Less than 0.7A (max. audio) | Less than 0.5A (Squelched)  
 : TX: 15A (65W) / 10A (30W) / 5A (5W)  
 Operating Temperature Range :  $-20^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$  to  $+140^{\circ}\text{F}$ )  
 Case Size : 6.1 x 1.7 x 6.1 inches (w/o knobs) | 154(W) x 43(H) x 155(D) mm  
 Weight : 2.86 lb. (1.3 kg)

#### Transmitter

RF Power Output : 65/30/5 Watts  
 Modulation Type : F3E Variable Reactance  
 Maximum Deviation :  $\pm 5$  kHz /  $\pm 2.5$  kHz  
 Spurious Radiation : Better than -60dB  
 Microphone Impedance : 2 K Ohm



- ① ANT Coaxial Socket**  
Connect a 144 MHz antenna to this type-M (SO-239) socket using 50-Ohm coaxial cable and a type-M (PL-259) plug. Make sure the antenna is designed specifically for use on the operating frequency.
- ② EXT SP Jack**  
This 2-contact 3.5-mm mini phone jack provides receiver audio output for an optional external speaker. The audio impedance is 4 Ohms, and the level varies according to the setting of the front panel VOL control. Inserting a plug into this jack disables audio from the transceiver's internal speaker.
- ③ 13.8 V DC Cable**  
Connect the provided DC power supply cable (with fuse attached).
- ④ DATA Jack**  
Use this jack when updating the firmware.
- ⑤ Cooling Fan**

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Price:	<b>€ 159,00</b>	<b>ex VAT € 131,41</b>



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### OUTPUT 65 W

#### Receiver

Circuit Type : Double-Conversion Superheterodyne  
Intermediate Frequencies : 47.25 MHz and 450 kHz  
Sensitivity (12dB SINAD) : Better than 0.4uV  
Selectivity (-6/-60 dB) : 12 kHz/28 kHz  
Maximum AF Output : 3 W @ 13,8 V, 10% THD

Specifications are subject to change without notice, and are guaranteed within amateur bands only.  
Frequency ranges and repeater shift vary according to transceiver version.

The Yaesu FTM-3100E comes with:

- MH-48A6JA DTMF Microphone
- USB Cable
- Mounting Bracket
- DC Power Cord
- Operating Manual

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