

# FT-2600M

HEAVY-DUTY VHF FM TRANSCEIVER



TRUE MIL-SPEC  
TOUGHNESS

THE HERITAGE CONTINUES



**YAESU**  
*...leading the way.<sup>SM</sup>*

**Powerful,  
Reliable,  
and certified mil-spec tough!**

Yaesu's FT-2600M, the most ruggedly-built 2-meter amateur transceiver ever, provides 60 Watts of power along with Yaesu's renowned bullet-proof receiver front end.

Direct keypad frequency entry, Alpha-Numeric Memory System, the high-output, front-mounted speaker, and unsurpassed ergonomics make the FT-2600M an operator's dream come true!



### **Built Mil-Spec Tough**

Specifically designed to withstand the rigors of shock and vibration encountered in mobile operation, the FT-2600M's rugged construction is without peer in the amateur industry. Certified tough according to MIL-STD 810, the FT-2600M will provide years of reliable performance under the most difficult operating conditions.

Built to the exacting requirements of both the commercial radio industry as well as the U.S. military's MIL-STD 810, the FT-2600M is constructed using an aluminum diecast chassis/heatsink assembly, providing outstanding mechanical and thermal stability for the internal components. With extended receiver coverage of 134-174 MHz, you can monitor weather broadcasts along with public-safety and other Land Mobile communications. On transmit, the 60 Watts of true FM power output provides you with excellent coverage, and enhanced

voice clarity. Yaesu's popular Omni-Glow™ display is easy to read from all viewing angles, and the FT-2600M includes Windows™ PC programming capability via the optional ADMS-2E Programming Software. At home or away, the FT-2600M is ready for action!

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FT-2600M**

## Selectable Power Output

Four selectable power output levels are provided: 60/25/10/5 Watts. The power selection can be stored into memory, allowing you to conserve power while using strong local repeaters.



5 Watts (LOW3)



10 Watts (LOW2)



25 Watts (LOW1)



60 Watts (High)

## Extensive Memory System

The FT-2600M includes a total of 175 memory channels, including 170 "regular" memories, two pairs of subband-limit memories, and an instant-recall "Home" channel you can dedicate to a frequently-used repeater or simplex frequency. Memories can store repeater shift information, CTCSS/DCS data, power output level, scanning status ("Skip" or "Stop"), and Alpha-Numeric labels.

## Alpha-Numeric Channel Display

Memory channels may be displayed either with the channel frequency or a personalized Alpha-Numeric label, for easy channel recognition. Up to eight letters, characters, or numbers may be used for labeling channels.



## CTCSS and DCS Encode / Decode Built In

For easy repeater access or silent monitoring of busy channels, both CTCSS and DCS (Digital Code Squelch) Encoder / Decoder circuits are built in. CTCSS and DCS configuration data may be stored independently in each memory channel.

## Versatile Scanning Capability

The FT-2600M's high-speed scanning function includes a choice of scanning resume options ("carrier drop" or "time delay"), with scanning provided on the memories, the VFO, or a limited VFO sub-band established by one of the "Programmable Memory Scan" memories (1L/1U and 2L/2U). You can program certain continuous-carrier memories (e.g. weather broadcasts) to be skipped during scanning, for maximum efficiency.

## Smart Search™

The Smart Search™ feature may be used to load - automatically with no operator intervention - a special bank of up to 50 memory channels based on activity. Smart Search™ will sweep either the entire band or the portion of the band within the Programmable Band-Scan Limits, and will load the special memory bank with frequencies on which activity is found. Smart Search™ is very helpful when visiting a city for the first time, allowing you to be ready for operation on channels where the action is!

## Auto-Range Transpond System™ (ARTS™)

The Auto-Range Transpond System™ uses DCS to allow two radios to track each other every 30 seconds. Especially helpful during Search-and-Rescue operations, ARTS™ allows a base FT-2600M to advise field handheld units when they have moved out of communications range, thus notifying the field operator to move to a better location.



## MH-36B6J DTMF Direct Access Microphone

The backlit MH-36B6J allows direct keypad operating frequency entry, or keypad memory channel recall. On transmit, the MH-36B6J allows manual entry of DTMF tones for autopatch use, and the FT-2600M also includes an 8-memory, 16-digit DTMF Autodialer. Three user-programmable keys on the microphone may be configured for easy control of Repeater Shift, Squelch-Override, Tone/DCS, Tone Search, or European Tone Burst.

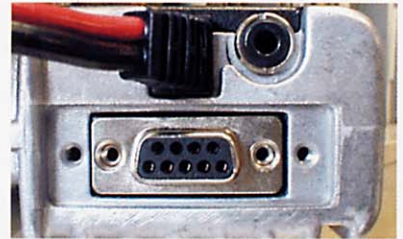


## Excellent Receiver Performance

The FT-2600M's receiver front end features Yaesu's renowned Advanced Track Tuning input filtering, which affords outstanding protection from intermodulation distortion.

## Easy Packet Radio Interfacing

For packet operation at either 1200 bps or 9600 bps, the rear panel's DATA jack provides connection points for transmit data, receiver audio, PTT, and ground. Signal levels, bandwidths, and impedances are all optimized for the data rate selected, for optimum throughput.



## ADMS-2E Windows™ PC Programming Software

Memory channel program is a breeze with the optional ADMS-2E Windows™ PC Programming Software. The handy kit includes a 3 1/2" diskette and a programming interface cable. Use your computer to create frequency files for each city you visit, or for cloning groups of transceivers for public-service events!

## Interactive Programming Menu

The Menu system includes 33 transceiver settings, allowing the operator to "Set and Forget" many operating configurations.

## Supply Voltage Display

When you turn on the radio, the current DC supply voltage will be indicated on the display for one second. After this interval, the display will resume its normal indication of the operating frequency.



## And So Much More...

Additional features include:  
● Transmit Time-Out-Timer (TOT) ● Automatic Power-Off (APO) ● Automatic Repeater Shift ● Front-mounted Speaker ● S-Meter RF Squelch ● TX Half-Deviation setting, for reduction of the TX deviation in areas of high channel congestion.

Front-mounted speaker



## SPECIFICATIONS

### General

Frequency Range : TX 144-146 MHz or 144-148 MHz  
 RX 144-146 MHz or 134-174 MHz  
 Channel Steps : 5/10/12.5/15/20/25/50 kHz  
 Frequency Stability: Better than  $\pm 10$  ppm  
 (-20 °C to +60 °C)  
 Mode of Emission : F3 (G3E)  
 Antenna Impedance: 50 $\Omega$ , unbalanced  
 Supply voltage : 13.8 V DC( $\pm 10$  %), negative ground  
 Current Consumption (typical) :  
 RX : Less than 1 A (max. audio)  
 Less than 0.4 A (squelched)  
 TX : 10 A(60 W)/6 A(25 W)/4 A(10 W)/3 A(5 W)

Operating Temperature Range : -20 °C to +60 °C  
 (-14 °F to +140 °F)  
 Case Size : 160(W)  $\times$  40(H)  $\times$  160(D) mm  
 (6.3"  $\times$  1.6"  $\times$  6.3") (w/o knobs)  
 Weight : 1.3 kg (2.9 lb.)

### Transmitter

Output Power : 60/25/10/5 W  
 Modulation Type : Variable Reactance  
 Maximum Deviation :  $\pm 5$  kHz/ $\pm 2.5$  kHz  
 Spurious Radiation : Better than -60 dB  
 Microphone Impedance : 2 k $\Omega$

### Receiver

Circuit Type : Double-Conversion  
 Superheterodyne  
 IFs : 21.7 MHz & 450 kHz  
 Sensitivity : Better than 0.2  $\mu$ V (for 12 dB SINAD)  
 Selectivity : 12 kHz/30 kHz (-6/-60 dB)  
 IF Rejection : Better than 70 dB  
 Image Rejection : Better than 70 dB  
 Maximum AF Output: 3.5 W into 4 $\Omega$ @10 % THD

Specifications subject to change without notice or obligation.

## CONTROLS AND SWITCHES

FT-2600M shown with  
 MH-36B6J DTMF Microphone  
 (Supplied with U.S. Version)

**P** : Programmable Key  
 Default Function:  
 Selects Dial or Memory Operation

**ACC** : Programmable Key  
 Default Function: Tone Search

**PTT** : Press to Transmit

**UP/DWN** : Scanning/Memory  
 Channel Selection

**Keypad** : Direct Frequency Entry,  
 Memory Recall,  
 DTMF Entry

**LOCK** : Disables Microphone Keys  
 (PTT Locking available)

**DIAL** : Main Tuning Dial,  
 Memory Channel Selector

**VOL** : Volume Control

**MHz(SET)** : Tuning in 1-MHz steps  
 Hold for 1 Sec. for  
 SET(Menu) Mode

**REV(Low)** : Repeater Reverse  
 Hold for 1 Sec. for  
 TX power adjustment

**A/N(DW)** : Alpha/Numeric label display  
 Hold for 1 Sec. for Dual Watch

**D/MR(MW)** : Selects Dial or  
 Memory operation

**P1** : Programmable Key  
 Default Function :  
 Tone (CTCSS/DCS)

**P2** : Programmable Key  
 Default Function :  
 TX Power Adjustment

## OPTIONS

 DTMF Microphone <b>MH-36B6J</b>	 Condenser Microphone <b>MH-42B6J</b>
 Compact Power Supply <b>FP-1023A (U.S.A. only)</b>	 Base Power Supply <b>FP-1030A (30 A)</b>
 External Speaker <b>SP-7</b>	 PC Programming Software <b>ADMS-2E</b>

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