

FT-3000M

HIGH POWERED 2-m FM TRANSCEIVER

YAESU

Performance without compromise.SM



Output Power

The Yaesu FT-3000M delivers more o

The FT-3000M is the ONLY amateur 2-m FM mobile radio with 70 full watts of power. EXCLUSIVE features like this, and INDUSTRY-FIRSTS such as an Interactive Programming System, Digital Coded Squelch and Smart Search™ Memory Storage System distinguish Yaesu as a world leader in amateur radio products.

Highlights of this rugged MIL-STD 810 rated mobile include VHF/UHF Wide Band Receive—from 110 MHz to 999 MHz*; twin cooling fans—important for long hours of in-car operation; a dual-concentric Quick-Touch™ knob—for finger-tip control adjustments and access to menu programming; Auto Range Transpond System™ (ARTS™)—uses DCS to automatically track other ARTS™-equipped units up to 40 miles (depending on terrain); true FM—for enhanced voice clarity; large, alphanumeric LCD display with Omni-Glow™—for easiest viewing possible; and it's PC programmable with ADMS-2B Windows™ PC Programming Software. Plus, it is perfect as a compact base station!

Built to Tough Military Standards

To gain its MIL-STD 810 rating for tough, enduring performance, the FT-3000M conforms to rigid commercial grade radio standards. This enables it to withstand the rigors of shock, vibration, and the corrosive action of dust and moisture. No other mobile can stand up to the quality-built challenge of the rugged FT-3000M.



Selectable Power Output

Four selectable power output levels, 70, 50, 25 and 10 Watts let you conserve power and eliminate interference. Choose the right level for your particular need.

*Cellular blocked.



Alphanumeric Display

Over 60 numbers, letters and other characters are available to personalize each memory channel. Use up to five characters for each selected memory channel.

Digital Coded Squelch (DCS)

Widely used in the commercial land-mobile industry, DCS provides 104 unique codes in addition to the standard CTCSS tones.



Wide Band Receive

Receiver coverage includes 110-180 MHz (VHF), 300-520 MHz (UHF) and 800-999 MHz (cellular blocked). AM receive activates automatically from 110-137 MHz for aircraft tuning and scanning.

Special Receiver Features

A second sub-receiver permits extra operating possibilities. Choose split, and full-duplex cross-band operation, or monoband UHF. Select twin VHF or UHF channels, then toggle operation between them. Use Dual Watch to sample the sub-receive frequency, then swap channels when a signal is detected.

Programmable Memory Scanning & Tuning

Set upper and lower frequency limits of your choice to make scanning of hard to

find frequencies easier. Set up to 5 pairs of memory channels.



Spectrum Scope

View activity above or below the operating channel in VFO mode, or activity among six programmed memories in the Memory Recall mode. Watch the unique, left-side bargraph sweep upward indicating activity.

Memory Channels

The FT-3000M has a total of 81 memories. Included are 70 regular memory channels which can be divided in up to seven banks, and 10 (five pairs) additional channels devoted to programmable memory scanning and tuning. One final instant-recall memory, "Home Channel," is dedicated for quick access to commonly used frequencies such as a simplex calling channel or club repeater. Memory programming function includes Split Memory Operation, Memory Masking, and Memory Guard which protects against overwriting of stored memories.

Auto Range Transpond System™ (ARTS™)

The Auto Range Transpond System™ uses DCS to allow two radios to automatically track one another every 15 seconds. A handy feature for outdoor activities such as camping and hiking, the ARTS™ feature can be used with other Yaesu ARTS™/DCS-equipped transceivers.

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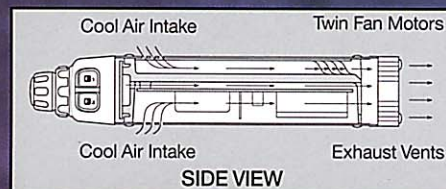
Output power, when you need it!

MH-36AJ DTMF Direct Access Microphone

DTMF keypad permits direct frequency entry and programming via keypad sequence combinations. Backlit, too!

ADMS-2B Windows™ PC Programming Software

Simply "point and click" to automatically program the FT-3000M with ADMS-2B Windows™ PC Programming Software. Handy kit includes 3.5 disc, and programming cable. Use to create memory files for frequently used repeaters, and for other cities. Also, use for cloning memory to another compatible Yaesu radios!



Twin Cooling Fans

The installation of mobile radios is often in the hottest location in a vehicle. To keep the FT-3000M running cool, unique twin fans provide optimum cooling during long transmission keydown times—another Yaesu exclusive!

1200/9600 Baud Compatible

Rear panel data jack for packet! Choose 1200 or 9600 baud rate.



SELECT TX POWER LEVEL
Scrolling Help Guide

Interactive Programming System
Programming menu holds over 50 transceiver operational settings, including quick access to "set and forget" settings. Continual scrolling menu guide provides easy-to-follow programming instructions. Two user-programmable soft keys make complex functions as simple as pushing a button.

Smart-Search™

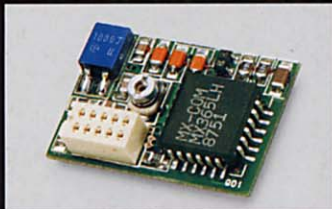
This remarkable feature memorizes active channels found while scanning, and sorts them according to either signal strength or frequency. It then automatically writes them into twenty reserved memory channels for instant playback.

Quick-Touch™ Knob

Dual-concentric Quick-Touch™ knob for finger-tip-control adjustments and menu programming.

Options & Accessories

DVS-4	Digital Voice Recording Module
FP-800	20 AMP Heavy Duty Power Supply w/Front Mounted Speaker
FTS-17A	CTCSS Decode Unit
MH-36A6J	DTMF Microphone
MH-42A6J	Hand Microphone
MMB-60	Quick-Release Mobile Bracket
SP-7	External Mobile Speaker
SP-4	External Mobile Speaker w/Audio Filters



FTS-17A CTCSS Decode Unit



FP-800 20 AMP Heavy Duty Power Supply w/Front Mounted Speaker



SP-7 & SP-4 Ext. Mobile Speakers



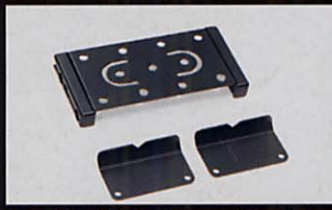
DVS-4 Digital Voice Rec. Module



MH-36A6J DTMF Microphone



MH-42A6J Hand Microphone



MMB-60 Quick-Release Mobile Bracket



ADMS-2B Windows™ PC Programming Software

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, models, and availability. Various accessories shown may not be available in some countries. Some information may have been updated since the time of printing. Please check with your Authorized Yaesu Amateur Dealer for complete details. Specifications guaranteed only within amateur bands.

YAESU MUSEN CO., LTD.

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Specifications

GENERAL

Frequency Range:	RX: 110-180 MHz, 300-520 MHz, 800-824, 849-869, 894-999 MHz*	
	TX: 144-148 MHz	
Channel Steps:	5, 10, 12.5, 15, 20, 25 & 50 kHz	
	10, 12.5, 20, 25 & 50 kHz (800-999 MHz)	
Frequency Stability:	±5 ppm from -5 to +60°C	
Repeater Shift:	±600 kHz (programmable)	
Emission Type:	F3 (G3E), F2	
	Packet: F2 (1200 bps), F1 (9600 bps)	
Antenna Impedance:	50Ω, "UHF" connector	
Supply Voltage:	13.8 V DC ±15%	
Current Consumption:	RX (Squelched):	<500mA
	RX (signal present):	<800mA
	TX (Maximum):	15A

Operating Temperature

Range:	-20 to +60°C
Case Size (WHD):	5.5 x 1.6 x 7.1 in. w/o knobs (140 x 40 x 180 mm w/o knobs)
Weight (approx.):	2.8 lb. (1.25 kg)

TRANSMITTER

RF Output:	70, 50, 25 & 10 W
Modulation System:	Variable Reactance
Maximum Deviation:	±5 kHz
Spurious Emissions:	>60 dB below carrier
Occupied Bandwidth:	<16 kHz
Microphone Type:	2 kΩ Condenser

RECEIVER

Circuit Type:	Double-conversion Superheterodyne
IFs:	45.05 MHz & 455 kHz
Sensitivity:	<0.20μV (Main), <0.25μV (Sub) @12 dB SINAD
Image Rejection:	>70 dB (Main)
Selectivity (-6/-60 dB):	15/28 kHz
Squelch Sensitivity:	<0.13μV
AF Output:	2 W @ 8Ω for 10% THD
AF Impedance:	4 to 16Ω (8Ω internal speaker)

*800 MHz cellular blocked, non-restorable 824-849 MHz and 869-894 MHz reception not available.

Frequency ranges may vary in other countries. Specifications may be subject to change without notice or obligation. Specifications guaranteed only within amateur bands.

YAESU
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