

# Front Mount Micom 3F

125-Watt HF-SSB Transceiver 1.6 - 30 MHz

Advanced HF radio solutions



The Micom 3F HF radio transceiver provides the highest level of reliability for long-range wireless communications of voice, fax, e-mail and data. The front-panel micom3F radio serves as a fixed or mobile unit.

With the most advanced technology and the latest features, the Micom 3F provides superb radio communication dependability and functionality and is priced to meet the needs of a wide range of organizations. An upgraded version of the micom2E—successfully used by thousands of organizations worldwide—the micom3F complies with the world's strictest standards for radio communication equipment, including MIL-STD-810, ALE per MIL-STD-188-141B and FED-STD-1045.



# Micom 3F

## 125-Watt HF-SSB Transceiver 1.6 - 30

### Establishing a radio link is always fast and simple

- Automatic Link Establishment per MIL-STD-1045 & MIL-STD-188-141B standards
- ISB-ready (Independent Side Band)
- Full interoperability with other manufacturers' radios complying with the same ALE standards

### Voice that is loud & clear

- Built-in voice quality system utilizes proprietary algorithms to filter out background noises, giving users exceptional communication clarity
- Selectable bandwidth allows fine tuning for optimal voice and data communications
- Voice-activated digital squelch

### User-friendliness

- New control head features a large LCD, full-dot matrix digital display and an enhanced keyboard for programming and set-up. Radio operation can also be performed using a PC and a programming application as well as a USB keyboard
- Multiple language display available
- Remote control configuration allows the transceiver to be operated from a remote location using optional 2 wire remote control head

### Years of trouble-free, most advanced communications

- Upgrading to future technologies is easily done by installing new software into the transceiver's DSP unit
- Easily replaceable digital components ensure cost-effective maintenance
- Very high MTBF, as with all Micom radios
- Unique Built-In self Test system provides exceptional dependability

### Comprehensive communication and networking services

- Office-quality communication services integrating fax, e-mail and data transmission and reception
- MultiNet enabling integration of different HF radio networks into one seamless network, allowing excellent coordination between different operational nets.
- AMD (Automatic Message Display) for free and pre-set text messages
- GPS embedded application (optional)

- Accessory port for multiple point-to-point communications
- Secure voice and data

### A proven family of radio products

- The Micom 3F is member of the Micom transceiver family—fixed and mobile stations—covering the long-range wireless communication needs of thousands of organizations world-wide.

### Major accessories

- Automatic telephone interconnect
- FM to HF repeater
- ATUs
- Antenna systems
- HF modems
- Secure voice and data
- AC power supply

### Specifications:

Model:	M90AMN0KV5-K
Frequency range:	1.6–30 MHz
Number of channels:	200
Transmission:	125 Watt PEP average
Reception:	100 KHz–30 MHz Rx
Operating voltage:	13.8 ± 20%
	24 V operation (optional)
Audio bandwidth:	350 to 2700 Hz
Data:	300 to 3300 Hz
Frequency stability:	0.6 PPM (0.1 PPM optional)
Frequency resolution:	10 Hz
Operating temp range:	-30°C to +60°C / -22°F to +140°F
Humidity:	95% @ 50 °C / 122°F
Sensitivity (SINAD):	SSB: 0.3 µV for 10 dB SINAD
Dimensions:	Control head
Height: 92 mm / 3.7 inch	60 / 2.36
Width: 302 mm / 11.9 inch	187 / 7.36
Depth: 270 mm / 10.7 inch	70 / 2.75
Weight: 5.7 Kg / 12.5 Lbs	0.32 / 0.71

### Options:

- PC control and programming software package
- USB for external keyboard
- micomLink interface
- ALE DTM/DBM
- 2 wire remote control head
- Interface for secure voice device VP116



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