

# Micom RM500

Rack Mount - 500 Watt HF-SSB Transceiver 1.6 - 30 MHz

Advanced HF radio solutions



The Micom RM500 is especially designed to provide very long range radio communications for ground-to-ground, ground-to-air and ground-to-sea voice and data applications. The Micom RM500 is a self-contained 500W transceiver package integrating Micom3 radio, auto-sensing AC power supply, multiple accessory ports and a reliable air cooling system into a 19" rack mount cabinet.

Meeting the world's strictest standards for radio equipment communication dependability, including MIL-STD-810, ALE per MIL-STD-188-141 B and FED-STD-1045, the Micom RM500 is the ideal solution for organizations whose operations require reliable long-range radio communications for mission command and control.



# Micom RM500

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### Establishing a radio link is always fast & 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's 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 be executed using any standard USB keyboard
- Multiple language display available
- Transceiver can be controlled using PC and programming application
- 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

### A proven family of radio products

- The Micom RM 500 is member of the Micom transceiver family—fixed and mobile stations—covering the long-range wireless communication needs of thousands of organizations worldwide

### Major accessories

- Automatic telephone interconnect
- Antenna system
- Pre post selector (PPS)
- FM to HF repeater
- HF modems
- ATUs
- Antennas and grounding kit
- Secure voice and data

### Specifications

Model:	M95AMN0KV5-K G638
Frequency range:	1.6–30 MHz
Number of channels:	200
Transmission:	125 W PEP average
Reception:	100 KHz–30 MHz Rx
Operating voltage:	AC 110–220 V 47–65 Hz DC 13.8 ± 20%
Audio bandwidth:	350 to 2700 Hz
Data:	300 to 3000 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 V for 10 dB SINAD
Dimensions	
Height:	220 mm / 8 inch
Width:	485 mm / 19 inch
Depth:	510 mm / 20 inch
Weight:	16 Kg / 35.5 lbs.

### Options

- USB com port for external keyboard
- PC control and programming software package
- ALE DTM/DBM
- PPS interface
- Interface for secure voice device VP116