

RACK MOUNT

# micomRM500



500-Watt HF-SSB BASE STATION

*From any distance, it keeps the mission under control*



500-Watt HF-SSB TRANSCEIVER 1.6-30 MHz

The micomRM500 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 micomRM500 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 inch rack mount cabinet.

Meeting the world's strictest standards for radio equipment communication dependability, including MIL-STD-810, ALE per MIL-STD-188-141B and FED-STD-1045, the micomRM500 is the ideal solution for organizations whose operations require reliable long-range radio communications for mission command and control.

The micomRM500 provides users with essential benefits and features



Specifications:

Model: M91AMN0KV5-K G160 or G161

Frequency range: 1.6-30 MHz

Number of channels: 200

Transmission: 500 W PEP average

Reception: 100 KHz-30 MHz Rx

Operating voltage: AC 110-220 V 47-65 Hz

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 temperature range:

-10°C to +60°C / 14°F to +140°F

Humidity: 95% @ 50°C / 122°F

Sensitivity (SINAD):

SSB: 0.3 µV for 10 dB SINAD

Dimensions:

Height: 290 mm / 11.42 inch

Width: 480 mm / 18.9 inch

Depth: 550 mm / 21.7 inch

Weight: 32 Kg / 70.6 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

2 wire remote control head

Establishing a radio link is always fast and simple

- Automatic Link Establishment per MIL-STD-1045 & MIL-STD-188-141 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.



188-141B  
810

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 micomRM500 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
- Antenna system
- Pre post selector (PPS)
- FM to HF repeater
- HF modems
- ATUs
- Antennas and grounding kit
- Secure voice and data

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