

3 R U G G E D I Z E D

*micom*Ranger



125-Watt HF-SSB TRANSCEIVER

*Communication reliability
for the toughest
operational conditions*

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125-Watt HF-SSB TRANSCEIVER 1.6-30 MHz

Built to withstand years of shock and vibration and the most severe operating conditions, the micomRanger is designed to operate as a fixed or mobile transceiver, delivering the most reliable long-range radio communications.

Equipped with a military-type handset and connectors, the micomRanger meets the strictest standards for radio communication equipment dependability and durability, including MIL-STD-810, FED-STD-1045 and ALE per MIL-STD-188-141B. The micomRanger delivers superior qualities in a cost-effective radio designed to meet the needs of a wide range of organizations.



The micomRanger provides users with essential benefits and features

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'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-dotæ matrix digital display and an enhanced keyboard for programming and set-up. Radio operation can also be performed using a PC and programming application as well as a USB keyboard.
- Multiple language display available.

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.



Specifications:

Model: M95AMN0KV5-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 V \pm 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 temperature range:

-30°C to +60°C / -22°F to +140°F

Humidity: 95% @ 50°C / 122°F

Sensitivity (SINAD):

SSB: 0.3 μ V for 10 dB SINAD

Dimensions:

Height: 92 mm / 3.7 inch

Width: 302 mm / 11.9 inch

Depth: 285 mm / 11.3 inch

Weight: 5.9 Kg / 13 Lbs

Options:

PC control and programming software package

USB for external keyboard

micomLink interface

ALE DBM/DTM

2 wire remote control head

- 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 micomRanger 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:

- Secure voice and data
- Phone patch
- Military audio radio accessories
- micomLink
- HF modems
- ATUs
- Antenna systems
- micomTel
- AC power supply

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