

3R Ruggedized Micom Ranger

125-Watt HF-SSB Transceiver 1.6 - 30 MHz

Advanced HF radio solutions



Built to withstand years of shock and vibration and the most severe operating conditions, the Micom Ranger 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.

Micom Ranger

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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 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
- 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 Ranger 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

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

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