

## Specification Sheet

### micomTrooper

#### 2RS-Backpack 5-50 Watt HF-SSB Transceiver



The micomTrooper HF-SSB transceiver provides reliable long-range radio communications in a rugged yet lightweight backpack configuration. Designed to meet the needs of users who carry out on-foot operations in remote areas, it is built to withstand years of shock and vibration as well as severe weather conditions.

The portable micomTrooper is equipped with a military-type handset and connectors, delivering superb qualities in a radio priced to fit the needs of a wide range of organizations. Certified for dependability and durability, the micomTrooper complies with US MIL-STD-810F and ALE per MIL-STD-141 standards.



### BENEFITS AND FEATURES

#### **ESTABLISHING A RADIO LINK IS ALWAYS FAST AND SIMPLE**

- **Automatic Link Establishment per MIL-STD-1045 & MIL-STD-188-141 standards.**
- 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 communications clarity.
- Selectable bandwidth allows fine tuning for optimal voice and data communications.
- Exceptional combination of high power (50 W) and high sensitivity (0.5  $\mu$ V) for outstanding communication coverage.
- Voice-activated digital squelch.

#### **USER-FRIENDLINESS**

- Large digital front panel display and keyboard for programming and set-up.
- 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 help 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**

- **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.

#### **A PROVEN FAMILY OF RADIO PRODUCTS**

- The micomTrooper is a 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
- AC battery charger
- External GPS
- Spare 12A/H Li-ion battery

### **SPECIFICATIONS**

<b>Frequency Range</b>	1.6-30 MHz
<b>Number of Preset Channels</b>	200
<b>Transmission</b>	5, 10, 20, 50 W
<b>Reception</b>	100 kHz-30 MHz Rx
<b>Operating Voltage</b>	12 V nominal
<b>Audio Bandwidth</b>	350 to 2700 Hz
<b>Frequency Stability</b>	0.6 PPM
<b>Frequency Resolution</b>	10 Hz
<b>Operating Temperature Range</b>	-30°C to +60°C / -22°F to +140°F
<b>Sensitivity (SINAD)</b>	SSB: 0.5 µV for 10 dB SINAD
<b>Dimensions</b>	
<b>Height</b>	450 mm / 17.7 inches
<b>Width</b>	330 mm / 13 inches
<b>Depth</b>	130 mm / 5.1 inches
<b>Weight</b>	7.1 Kg / 16 lbs

### **OPTIONS**

RS232 remote control interface

RSS for PC (radio and ALE)

Multinet operation (for ALE)



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