



## 5-50 Watt HF-SSB TRANSCEIVER

The micom Trooper 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 micom Trooper is equipped with a military-type handset, cables and connectors, delivering superior qualities in a radio priced to fit the needs of a wide range of organizations. Certified for dependability and durability, the micom Trooper complies with US MIL-STD 810F and ALE per MIL-STD-188-141 standards.



The micom Trooper provides users with essential benefits and features



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#### 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 equipped with the same ALE standards.

#### Voice that's loud & clear

- Built-in voice quality system with proprietary algorithms that filter out background noises and elevates sound bytes, providing exceptional communication clarity.
- Selectable bandwidth, for fine tuning and optimal voice reception.
- Unmatched 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 ensure cost-effective maintenance and repair.
- Very high MTBF, as with all Micom radios.
- Unique Built-In Self Test system that provides exceptional diagnostic capability.

#### Comprehensive communication and networking services

- MultiNet enables integration of different HF radio networks into one seamless network, allowing excellent coordination between different units and forces.
- AMD for transmission and reception of pre-set text messages.
- GPS embedded application.

#### A proven family of radio products

- The micom Trooper is a member of a family of Micom radio transceivers—fixed base stations, mobile vehicle-mounted and hand-carried units—serving the long-range wireless communication needs of hundreds of organizations worldwide.

#### Major accessories:

- Secure voice
- AC battery charger
- External GPS
- Spare 12A/H Li-Ion battery

#### Specifications:

Frequency range: 1.6 – 30 MHz

Number of preset channels: 200

Transmit: 5, 10, 20, 50 W

Receive: 100 MHz – 30 MHz Rx

Operating voltage: 12 V nominal

Audio bandwidth: 350 to 2700 Hz

Frequency stability: 0.6 PPM

Frequency resolution: 10 Hz

Operating temperature range:

-30°C to +60°C / -12°F to +134°F

Sensitivity (DNR/D):

SSB: 0.5  $\mu$ V for 10 dB S/N

Dimensions:

Height: 450 mm / 17.7 inch

Width: 330 mm / 13 inch

Depth: 130 mm / 5.1 inch

Weight: 3.1 Kg / 16 lbs

Options:

RS232 remote control interface

RS485 for PC (radio and ALE)

Multi-operation (for ALE)

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# micomTrooper



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*Reliable radio communications  
for the most demanding  
on-foot operations*