

Micom Pathfinder

Homeland Security Manpack - 25 Watt HF-SSB Transceiver 1.6 - 30 MHz



The Micom Pathfinder HF-SSB transceiver provides reliable long-range radio communications in a rugged and durable backpack configuration built to withstand severe shock, vibration, and extreme weather conditions. The lightweight Homeland Security version of the Micom, the Pathfinder, makes it especially suitable for users who carry out on-foot field operations.

The Micom Pathfinder backpack is equipped with a military-type handset and connectors, delivering superior quality and performance in a cost-effective package priced to fit the needs of a wide range of organizations. Certified for dependability and durability, the Micom Pathfinder complies with MIL-STD 810 and JITC-approved ALE per MIL-STD-188-141B standard.

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Fast and simple link establishment

- Automatic Link Establishment per MIL-STD-188-141B standard
- ISB-ready (Independent Side Band) (optional)
- JITC-approved, 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
- Auto Selectable bandwidth allows fine tuning for optimal voice communications
- Unmatched combination of 25 Watt and high sensitivity (0.3 microvolts) 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 communications

- Advanced COMSEC for operational security
- 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 low MTTR
- Efficient stock management due to small number of modules
- High MTBF, as with all Micom radios.
- Unique Built-In self Test system provides exceptional dependability

Comprehensive communication and networking services

- 25W output power enables stable voice communications and data applications
- MultiNet integration of parallel HF radio networks into one seamless network, allowing coordination between different operational networks
- AMD (SMS-like text messages) for pre-set or operator-defined text messages
- Internal GPS (option) for positional data and AVL applications
- Internal Modem/Vocoder option for data applications, improved communications over weak channels and secure/AES encrypted communications (optional)

A proven family of radio products

- The Micom Pathfinder is a member of the Micom transceiver family—fixed and mobile stations—covering the long range wireless communication needs of thousands of organizations worldwide

Major accessories

- Internal Vocoder
- AC battery charger
- Internal 4800 bps modem
- Hand-Crank Generator
- Flexible steel blade antenna
- Collapsible whip antenna
- Fast deployment wideband antenna
- Tactical long wire antenna
- Internal GPS
- Embedded AES encryption (Vocoder required)

Specifications:

Frequency range: 1.6–30 MHz

JITC-approved embedded ALE per MIL-STD-188-141B

Multinet operation (for ALE)

200 preset channels, Simplex or Half duplex

Built-in Automatic antenna tuner

Transmission: 25W

Reception: 100 KHz–30 MHz Rx

Standby time: 15hrs

Audio bandwidth: Auto-Selectable for Voice & Data

Frequency stability: 0.6 PPM

Frequency resolution: 10 Hz

Operating temperature range:

-30 °C to +60°C / -22°F to +140°F

Shock and vibration: 810F + E

Dimensions:

Height: 220 mm / 8.7 in.

Width: 220 mm / 8.7 in.

Depth: 109 mm / 4.3 in.

Weight: 5.2 Kg / 11.5 lbs. (w/o battery)

Options:

PC Control and programming kit

Internal GPS receiver

Internal Vocoder voice enhancement

Digital AES Vocoder Encryption (NIST-certified)

ISB ready

Internal Modem with optional AES encryption

