HF TRANSCEIVER
2110M MANPACK

CHALLENGING REQUIREMENTS?
NO PROBLEM

Codan's Patrol 2110M Manpack is a reliable, rugged and secure solution for your portable long-range high frequency (HF) voice and data communications.

With second-generation Digital Voice and 3G ALE, you have the confidence to communicate quickly and reliably without the need for existing infrastructure. Comfortable to carry and packed with easy-to-use features via the rugged smart handset or front panel, the Patrol 2110M is ideal for all types of terrain and weather conditions, complying with the toughest environmental standards including MIL-STD-810F. The Patrol transceiver, handset and battery compartment are made from lightweight alloys and high impact plastics, both capable of withstanding immersion to a depth of 1 m.

The Patrol AES-256 or CES-128 encryption options ensure sensitive information can be communicated with confidence, it also has an option for internal Frequency Hopping to prevent third party interference and monitoring of classified communications. Codan's 3G ALE option for Patrol enables robust and efficient on-air linking, providing capabilities for quick and reliable voice and data communications, as well as enhanced GPS tracking.

DIGITAL VOICE
2110M Manpacks' second generation Digital Voice capability delivers clearly intelligible speech no matter the conditions, ensuring you're always heard, loud and clear.

LONGER LIFE, LIGHTWEIGHT AND TOUGH
The 2110M eliminates the need to carry heavy spare batteries and operates continuously for up to 65 hours. Weighing only 2.9 kg, it also complies with MIL-STD-810F standards.

INTEGRATED GPS
With a convenient one-button emergency facility and encrypted position information, the 2110M's internal GPS provides position awareness for all HF network participants.

ADVANCED ALE
The 2110M supports standards FED-STD-1045, MIL-STD-188-141B, and 3G ALE STANAG 4538 with capabilities for voice, message, GPS tracking and radio status for simple and reliable communication.

INTERNAL DATA MODEM
With an optional fully integrated high-speed data modem, the 2110M is capable of data-rates of up to 9600 bps, secured with AES-256 bit encryption to ensure your information remains confidential.

VEHICULAR AND BASE SYSTEMS

With a complete range of easy-to-use mounting accessories and fast-tuning antennas, Codan 2110M Manpacks are an unbeatable HF solution for communications on the move. Optional shock mounts provide added protection for harsh environments.

2110M Manpacks and accessories are quick and simple to install in a base station. The quick-release design means you can secure or remove the unit fast for on-the-run operations. The 2110M Expansion Module enables you to connect accessories such as a Data Terminal / Crosspatch / PC, an auto-tuning antenna, and a morse key.

SMART AND RUGGED HANDSET

Patrol's smart handset enables remote operation of the Manpack, with all the capability of the front panel now available in the palm of your hand. The handset's built-in speaker automatically switches to a loud mode when docked in its custom designed cradle meaning calls will be heard when the handset is not being held. It is manufactured from high grade plastic polymers and built for the world's toughest environments.
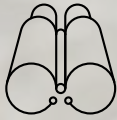
FEATURES AND OPTIONS

- 1.6 to 30 MHz continuous, 25 W (125 W with amplifier)
- Second generation Digital Voice technology
- Rugged smart handset with visual display
- Lightweight (2.9 kg without battery)
- Long battery life (up to 65 hours) with intelligent battery management
- Rugged (shock, vibration and immersion), MIL-STD-810F
- Advanced Automatic Link Establishment (ALE): MIL-STD-188-141B, 3G ALE (STANAG 4538)
- CES-128 voice and AES-256 digital voice and data encryption
- Smart and fast internal fully automatic antenna tuner
- Clear communications with DSP noise reduction – Easitalk™
- Internal MIL-STD-188-110A/B high-speed Data Modem
- Integrated GPS receiver and antenna, and integrated speaker
- Intuitive and user-friendly interface
- 3 year warranty

OUR PROCESS

Solving challenging requirements is what we do best

ASSESS

Our technical consultants will conduct a detailed on-the-ground assessment of:
- Human needs
- Operational environment
- Opportunities and challenges
- Cultural context
- Scenario planning

DESIGN

Our field service team will then design a custom solution for those challenges, using the right hardware and software from Codan or one of our technology partners.

DEPLOY

Our specialist logistics team gets the hardware and the resources to wherever you are, getting your system up and running fast.

TRAIN

We'll train operators and communications staff on how to use the system – which will be a short process, thanks to our easy-to-use interfaces and interoperability.

SUPPORT

We're available to be deployed within 24 hours for any support required. And we're always on hand for any advice you require.

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