

HF TRANSCEIVER

# 2110 MANPACK



**CODAN**  
COMMUNICATIONS

**BE HEARD**

[CODANCOMMS.COM](http://CODANCOMMS.COM)



## CHALLENGING REQUIREMENTS?

# NO PROBLEM

Codan's Patrol 2110 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 2110 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 1m.

The Patrol AES-256 or CES-128 encryption options ensure sensitive information can be communicated with confidence. 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

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



### ADVANCED ALE

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



### LONGER LIFE, LIGHTWEIGHT AND TOUGH

2110s eliminate the need to carry heavy spare batteries, operating for up to 65 hours. Weighing only 2.9 kg, they also comply with MIL-STD-810F standards.



### INTERNAL DATA MODEM

With an optional fully integrated high-speed data modem, 2110s are capable of data-rates of up to 9600 bps, secured with AES-256 bit encryption to ensure your information remains confidential.



### INTEGRATED GPS

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



## 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.

## SUPERIOR AND RELIABLE ANTENNAS

Codan has a reputation for building superior and reliable HF antennas. Our range of tactical antennas for the 2110 Patrol Manpack are no exception and include a lightweight tactical whip antenna, rugged tactical long wire antenna, a broadband antenna kit solution and a dipole antenna kit solution. They provide maximum durability and mobility with quick deployment for short and long range communications.

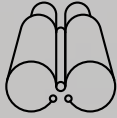
## FEATURES AND OPTIONS

- 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



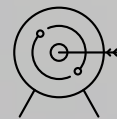
## DESIGN

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.