

# 2110 MANPACK **SERIES**



**CODAN**  
RADIO COMMUNICATIONS

*lighter / faster /* **TOUGHER.**

# CODAN 2110 MANPACK SERIES

The CODAN™ 2110 Manpack series transceivers are a reliable, rugged and secure solution for your portable long-distance HF voice and data communications.

Codan manpacks are extremely light and deliver the lowest power consumption of any available manpack transceiver, meaning you can operate continuously on a single charge for up to 65 hours.

Comfortable to carry and packed with easy-to-use features, Codan manpacks are ideal for all types of terrain and weather conditions, complying with the toughest environmental standards including MIL-STD-810F. The manpack transceiver and battery compartment are made from lightweight alloys and high-impact plastics, both capable of withstanding immersion to a depth of 1 m.

With Codan's encryptor options, the 2110 Series Manpacks incorporate AES-256 or CES-128 encryption to ensure sensitive information can be communicated with confidence. Models in the 2110 series have an option for internal Frequency Hopping to prevent third party interference and monitoring of classified communications.

## Vehicular System

With a complete range of easy-to-use mounting accessories and fast-tuning antennas, Codan 2110 Manpacks are an unbeatable HF solution for communications on the move. They are easy to remove from the vehicle mounting cradle for "jerk and run" operations, and optional shock mounts provide added protection for harsh environments.



## Base System

2110 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 military 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.



## FEATURES & OPTIONS

- 1.6 to 30 MHz continuous, 25 W (125 W with amplifier)
- 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)
- Frequency hopping for security and anti-detection
- 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



### LONGER LIFE

Codan's 2110 Manpacks eliminate the need to carry heavy spare batteries. They have the lowest current consumption of any available manpack, and operate continuously for up to 65 hours.



### LIGHTWEIGHT AND TOUGH

Built of reinforced materials 2110s are only 2.9 kg — 1 kg lighter than competitors. Lightweight but tough, they operate from -40°C to +70°C and fully comply with MIL-STD-810F environmental standard.



### INTEGRATED GPS

With a unique one-button emergency facility, no-go proximity warning messages and encrypted position information, the 2110's internal GPS gives you an eagle-eye view of your HF network.



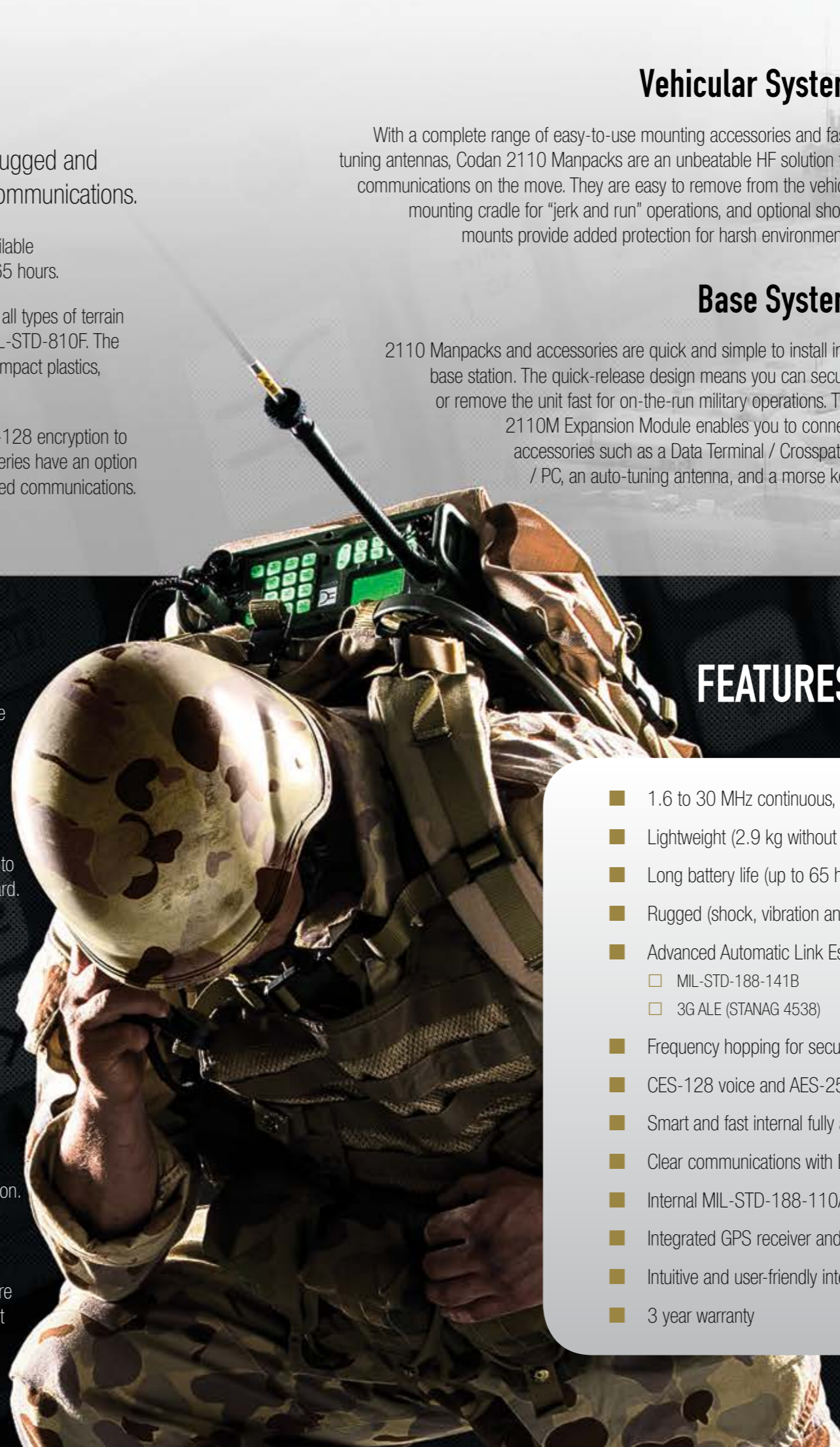
### ADVANCED ALE

2110s support standards FED-STD-1045, MIL-STD-188-141B, and STANAG 4538 with advanced 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, 2110s are capable of data-rates of up to 9600 bps, secured with AES-256 bit encryption to ensure your information remains confidential.





## 2110 MANPACK

Codan 2110 Manpacks deliver secure voice and data communications, and ensure interoperability with other transceivers. With an optional internal high-speed modem that supports AES-256 encryption for secure email and data capability, 2110 Manpacks provide supreme capability for mission critical communications.



## 2110M MANPACK

Codan's military 2110M Manpacks ensure superior capability for secure voice and data communications and are configurable for portable, vehicular or fixed deployments. 2110Ms feature Frequency Hopping, which is fully integrated with the MIL-STD-188-141B/FED-STD-1045 ALE linking protocols to provide a high level of communication security and anti-detection. 2110Ms include the latest generation 3G ALE technology delivering fast-linking and robust data capabilities for the tactical user.

# FEATURE COMPARISON

- ✓ STANDARD
- OPTIONAL
- ✗ NOT AVAILABLE

	2110 MANPACK	2110M MANPACK
Frequency Hopping	✗	●
FED-STD-1045 ALE	●	✓
MIL-STD-188-141B ALE	●	●
Voice Encryption	●	●
Internal GPS	●	✓
External connection GPS Antenna	●	✓
3G ALE (STANAG 4538)	●	●
MIL-STD-188-141A/B Data Modem	●	●

P: +61 08 8305 0311  
E: sales@codanradio.com

[www.codanradio.com/2110M](http://www.codanradio.com/2110M)



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