

HF Manpack Transceiver Codan 2110

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 [Codan 2110 Manpack HF Transceiver \(243kb\)](#)

 [HF Emetteur-récepteur Manpack 2110 Sacs à Dos \(56 kb\)](#)

The right solution for you

Codan's 2110 HF transceiver is an all purpose and fully self contained manpack radio. It is designed to meet your long distance and remote communications needs while on the move, and can quickly be deployed.

We've gone to great lengths to ensure our manpack is extremely light, rugged, comfortable to carry, and packed with easy to use features. It is ideal for all types of terrain and weather conditions. With a range of antennas, backpacks and battery types, the 2110 can be configured to suit your mission.

Built to last

Codan radios are famous for their ruggedness and reliability, and the 2110 is no exception. It's the most rugged radio we've ever built and complies with the toughest environmental standards including MIL-STD-810F. The radio and battery compartment are completely waterproofed and can be fully immersed.

Intelligent Battery Management

A radio's battery management system and mission life lie at the heart of successful portable communications. That's why Codan's 2110 delivers the lowest current consumption available so you can operate continuously on a single battery charge for several days. Our Intelligent Battery Management System cleverly monitors and displays the battery capacity and condition, and also protects the battery by preventing it from being overcharged. Battery protection reduces your ongoing costs by extending battery life even further and removes the need to carry extra batteries.

Digital Voice

Codan's second generation Digital Voice technology provides a quantum leap in HF voice communications. A full digital mode coupled with highly optimised vocoder technology provides voice quality similar to that experienced with cellular phones. Optional AES-256 encryption can be added to deliver a fully secure, high quality voice capability.

Communications made easy

The 2110 shares a common friendly user-interface with Codan's NGT series transceivers, which minimises training time and expenses. It operates seamlessly with our NGT series, plus other commercial and military grade radios.

Our radio also features a fully integrated fast antenna tuner that automatically selects tuning modes, antenna types and initiates the tuning cycle. With Codan's large and clear operating display, self-test capabilities, and advanced calling facilities, the 2110 is easy to operate and maintain for any user.

Superior support



Codan's 2110 is backed by a renowned worldwide support network and an industry leading three year warranty.



Key Features

True Manpack

Lightweight, rugged and waterproof design for voice and data communications
Operates for several days on a single battery charge

Excellent (Codan!) Radio Performance and Features

User-friendly interface, large and clear operating display, and internal front panel speaker
Easy one key access to primary or preconfigured functions
Advanced calling facilities:
Selective Call
Phone Call
Message Call
GPS Position Calls
Over-The-Air remote disable and configuration capabilities
Interoperable with other commercial and military grade radios
FED-STD-1045 and MIL-STD-188-141B ALE options, plus Codan's advanced ALE (CALM)
Integrated fast automatic antenna tuner
DSP Noise Reduction - Easitalk®
Digital Voice option
Integrated GPS Receiver option
High quality, integrated voice encryptor option for secure communications



Low Cost of Ownership

Up to 50 hours battery life, plus Intelligent Battery Management System for low operational costs
Software update capability to protect your investment
Easy to use, minimum training required

No Risk!

Codan's renowned reliability, worldwide support and three year warranty

Worldwide industry standards and advanced ALE The radio fully complies with a large number of international standards including CE and FCC radio type approvals, MIL-STD-810 environmental standards, and both FED-STD-1045 and MIL-STD-188-141B ALE. In addition, Codan's advanced ALE technology (CALM) outperforms conventional ALE systems with a faster scan rate and 24 hour based Link Quality Analysis, which automatically selects a suitable channel from the moment the radio is switched on and reduces sounding activity.

Protect your communications and your investment

With Codan's Voice Encryptor option, the 2110 uses SAFE voice encryption technology to ensure sensitive information is communicated in cor

dence. The 2110 also has the capacity to accommodate new capabilities and support future upgrades, ensuring you'll always get the most from your investment.

Technical specifications

General

Frequency Range	1.6 to 30 MHz Tx, 250 kHz to 30 MHz Rx
Channel Capacity	400 channels, 10 networks (600 channels, 20 networks with MIL-STD-188-141B ALE option)
Scanning	Configurable up to 8 channels per second
Power Source	12 V DC (10.8-15 V operational)
Battery Pack	Sealed pack utilising Sealed Lead Acid or NiMH
Modes	Voice/Data/CW, USB, LSB, AM, AFSK
Operating Temperature Range	-30°C to +60°C
Size	Transceiver 245 mm x 250 mm x 92 mm, with battery 245 mm x 350 mm x 92 mm
Weight	Transceiver 2.5 kg (4.6 kg with 8 Ah NiMH battery)
Environmental	Per MIL-STD-810F including shock, vibration, humidity, immersion (1 hr at 1 m) and rough handling
Transceiver performance	Per MIL-STD-188 (required for ALE)
Interfaces	Serial RS232 and Infrared (IrDA)

Transmitter

Power Output	25 W PEP (High) / 5 W PEP (Low) selectable
Duty Cycle	Continuous power output with over temperature protection
Audio Bandwidth	350 to 2700 Hz

Receiver

Operating Current	120 mA typical (speaker muted)
Sensitivity	0.12 uV for 10 dB SINAD
Mute	Syllabic Voice Detect
Audio Output	Handset: via 6 way connector Internal Speaker: selectable on or off External Speaker: via 19 way connecto

Antenna Tuner

Tuning Time	2.5 s typical first tune (fully automatic)
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	50 ms for memory recall
Tuning Memory	Last tune stored for 100 frequencies

Options

FED-STD-1045 ALE (CALM)
MIL-STD-188-141B
Internal GPS Receiver
Voice Encryption
Morse Code
Narrow/Wide Band Filter
0.5/1.5 ppm Frequency Stability

Antennas

Tape Whip, 1.5 m
Knock Over Whip, 1.5 m
Collapsible Whip, 3 m
Long Wire and Adaptor
End-fed Broadband
Broadband Dipole
Wire Dipole
Dipole and Broadband kit

Batteries & Chargers

12 V 8 Ah NiMH
12 V 13 Ah NiMH
12 V 7 Ah SLA
Battery Charger AC-DC 3121
Battery Charger DC-DC 3122

Plus Various Backpacks

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