

CODAN 2110 Military Manpack HF Transceiver Batteries and Chargers

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 [Emetteur-récepteur HF Manpack 2110 Batteries et Chargeurs \(62 kb\)](#)

Codan's intelligent battery management system makes it easy to manage your batteries and reduces operational costs. It continuously displays the battery condition and charging state, giving the user confidence for mission critical operations. Three battery types are available to tailor the 2110 to your mission requirements.



Battery pack 12 V 8 Ah NiMH

Batteries

Intelligent battery system

An integrated battery management controller continuously monitors battery condition, usage and remaining capacity. The transceiver front panel screen clearly displays the battery status including the remaining operating hours.

The intelligent battery monitoring system also prevents the battery from being over charged by automatically switching off when fully charged. This ensures maximum battery life and user convenience.

Temperature monitoring prevents

batteries from overheating or gas venting from the batteries while charging, maximising battery life and minimising hazards.

Long battery usage

Codan's 2110 HF Transceiver has by far the lowest current consumption of any available manpack transceiver. It only requires 120mA of standby current, which enables it to be operated continuously for several days on a single battery charge. This typically means you no longer need to carry a spare battery. Long battery usage together with with the battery's long life, reduces the user's operational costs.

Durability

Codan's battery packs are waterproof and fully immersible to 1 m, and are ruggedised with high grade, high impact plastics — a necessity when operating in rugged outdoor environments.

For your convenience, Codan offers three types of batteries. Each battery comes with quick release butterfly latches for simple attachment and reliability:

- ✓ Sealed Lead Acid 7 Ah
- ✓ Nickel Metal Hydride 8 Ah
- ✓ Nickel Metal Hydride 13 Ah

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Battery chargers

Features



Battery Charger AC–DC 3121

Codan offers two types of low noise 2110 battery pack chargers for either AC or DC sources — AC–DC 3121 and DC–DC 3122 — to be used with all battery types.

A number of detachable output and input leads are available to provide the option of charging the battery via either the transceiver's front panel or by direct connection to the battery. The front panel input enables charging while operating the transceiver.

LED indicators show the input power available and the status of the current charging progress.

The low noise chargers enable charging close to the transceiver without causing interference when you are communicating via the transceiver.

The charger's wide input voltage range allows for a range of supply sources.

Technical specifications

| | Battery packs | Battery chargers |
|---|--|------------------|
| Available cell chemistries and capacity | Sealed lead acid 7 Ah Nickel Metal Hydride 8 Ah and 13 Ah | |

| | | |
|-----------------------------|---|--|
| Voltage | 12 V | Input voltage 3121 90 V AC to 264 V AC 50/60 Hz 3122 12 to 60 V DC Output voltage 15.5 DC |
| Current | | 1 A DC maximum |
| Operating temperature range | -30 to +60°C | 0 to +40°C |
| Storage temperature range | -10 to +30°C recommended | -30 to +40°C |
| Standard charge | Constant current between 1 A and 3 A with automatic overcharge protection | |
| Connector | 6 way waterproof MIL type connector | Detachable output leads for charging via 2110 front panel connector or battery connector Detachable input leads allowing for selection of input source (AC or DC) |
| Dimensions | 245 mm W x 100 mm D x 92 mm H | 80 mm W x 160 mm D x 30 mm H |
| Weight | 8 Ah NiMH: 2.1 kg 13 Ah NiMH: 2.9 kg 7 Ah SLA: 3.2 kg | 3121 0.5 kg 3122 0.4 kg |
| Case material | High impact polycarbonate/PET polyester blend, UV stabilised, flame retardan | ABS plastic |
| Colour | Black | Black |
| Approvals | CE, C-tick | CE, C-tick |
| Environmental | Per MIL-STD-810F including shock, vibration, humidity, immersion (1 hr at 1 m) and rough handling | |

Codan 2110 Manpack- Batteries