

Patrol 2110M MANPACK BATTERIES

➤ FEATURES AT A GLANCE



- **Intelligent battery management system**
- **Long battery life with lowest current consumption**
- **High battery capacity for long duration operations**
- **Durable**

The 2110M Manpack Transceiver features low current consumption and Codan's intelligent battery management system, which makes it easy to manage your batteries and reduce operational costs. The 2110M continuously displays the battery condition and charging state, giving you the ultimate confidence in mission critical operations. Three battery types are available to tailor the 2110M to your requirements.

INTELLIGENT BATTERY SYSTEM

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

The intelligent battery management system also prevents the battery from being overcharged 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.

BATTERY SELECTION

For your convenience, Codan offers three different battery combinations:

- Nickel Metal Hydride 8Ah
- Nickel Metal Hydride 13Ah
- LiFePO₄ 17Ah

The battery combination you select depends on how you intend to use the 2110M Manpack.

Nickel Metal Hydride batteries are suitable for heavy duty operation where spare batteries can be swapped, charged and reused on a continual basis. These batteries come with a choice of two capacities, giving you up to 27 or 50 hours respectively (assuming 9:1 receive to transmit ratio).

The Lithium Iron Phosphate battery is safe and has excellent shelf life with an operating battery life of up to 65 hours (assuming 9:1 receive to transmit ratio).

With a wide choice of mains, DC, solar and hand-crank chargers, charging the battery on or off the manpack is easy with a combination to suit any application or mission requirement.

LONG BATTERY LIFE

Codan's 2110M Manpack has by far the lowest current consumption of any available manpack transceiver. It only requires 120 mA of standby current, which enables it to be operated continuously for many days on a single battery charge. This typically means you do not need to carry numerous spare batteries.

Low power consumption together with the battery's long life, reduces your operational costs.

DURABILITY

Codan's battery packs are waterproof, fully immersible to 1 m, and are ruggedised with high grade, high impact plastics; a necessity for military operations.

Each battery comes with quick release butterfly latches for simple attachment and reliability.

SPECIFICATIONS

BATTERY PACKS

Available cell chemistries and capacity

Nickel Metal Hydride 8Ah and 13Ah
Lithium Iron Phosphate LiFePO₄ 17Ah

Voltage

12 V

Operating temperature range

-30 to +60°C

Storage temperature range

-10 to +30°C recommended

Standard charge

Constant current between 1 A and 3 A with automatic overcharge protection

Connector

6-way waterproof MIL type connector

Dimensions

245 mm W x 100 mm D x 92 mm H

Weight

8Ah NiMH: 2.1 kg
13Ah NiMH: 2.9 kg
17Ah LiFePO₄: 2.5 kg

Case material

High impact polycarbonate / PET polyester blend, UV stabilised, flame retardant

Colour

Black / green

Approvals

CE, C-tick

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