

Patrol 2110 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 2110 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 2110 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 2110 to your requirements.

INTELLIGENT BATTERY SYSTEM

An integrated battery management system 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 management 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.

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 2110 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 handcrank 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 2110 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.

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

SPECIFICATIONS

Available cell chemistries and capacity	Nickel Metal Hydride 8Ah and 13Ah Lithium Iron Phosphate LiFePO ₄ 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 LiFePO ₄ : 2.5 kg
Case material	High impact polycarbonate/PET polyester blend, UV stabilised, flame retardant
Colour	Black / green
Approvals	CE, C-tick
Environmental	Per MIL-STD-810F including shock, vibration, humidity, immersion (1 hr at 1 m) and rough handling

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