

Patrol 2110M-B125 BASE SYSTEM

➤ FEATURES AT A GLANCE



- 1.6 to 30 MHz
- AES-256 and CES-128 Encryption options
- Frequency Hopping
- 125 W output power (25 W deployed as a manpack)
- Internal GPS receiver
- Supports cross band interoperability systems and Telephony
- AC and DC operation — auto switching
- 65 hour (1:9 Tx:Rx) battery life deployed as manpack
- MIL-STD-810F environmental
- STANAG 4538 (3G ALE)
- MIL-STD-188-141B ALE (JITC certified)
- MIL-STD-188-110A/B Internal Data Modem
- 3 year warranty

The 2110M-B125 is a compact 125 W base station system utilising the 2110M manpack radio and the 3160 125 W Power Amplifier. Coupled with Codan's 3520 Power Supply, the system is operational from DC and AC mains supplies, auto switching to DC with loss of AC.

FULLY FEATURED

The 2110M-B125 system provides clear, reliable communications in the most adverse conditions. Supporting voice, email and short messaging, the 2110M's intuitive user interface, combined with STANAG 4538 (3G) or MIL-STD-188-141B ALE, makes the radio as simple to use as a cell phone. Key features include AES-256 or CES-128 Encryption, frequency hopping, GPS tracking support, over-the-air health check, and light weight with market-leading battery life when deployed as a Manpack.

JERK AND RUN CAPABILITIES

The 2110M cradle allows quick release "Jerk-&-Run" capability. With the internal GPS and auto-switching antenna, the 2110M quickly transitions from a 125 W base station to a 25 W manpack.

COMPACT DESIGN

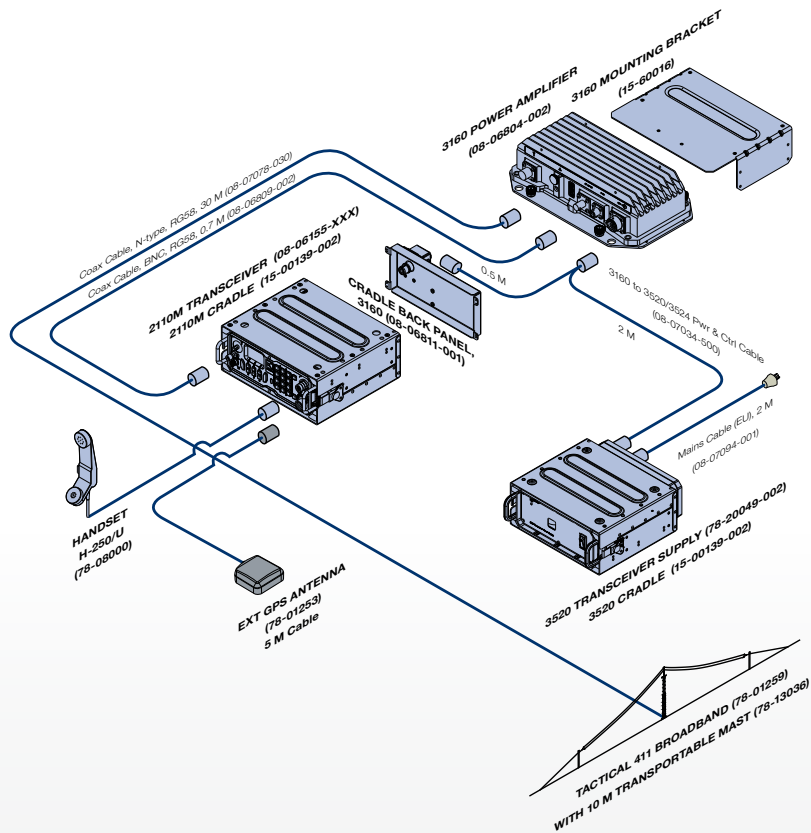
The 2110M-B125 base offers a compact 125 W system utilising Codan's offering of antenna solutions, providing a tactical system supporting both encrypted voice and data.

2110M-B125 BASE SYSTEM

SPECIFICATIONS

Frequency range	Transmit: 1.6 to 30 MHz Receive: 250 kHz to 30 MHz Resolution: 10 Hz
Power output	125 W (100 W option) PEP CW or single tone: approximately 60% of PEP with average PEP control
Supply voltage	100 to 240 V AC $\pm 10\%$ (50/60 Hz) or 13.6 V DC nominal, negative earth
Temperature	-40 to 70°C, full spec -30°C to 60°C
Environment (MIL-STD-810F)	2110M & 3160: Immersion, Low Pressure, Rain, Humidity, Fungus, Salt Fog, Sand & Dust, Vibration, Shock
Size (transceiver in cradle)	Manpack, cradle & rear panel: 280 mm W x 320 mm D x 110 mm H Power Amplifier & mounting plate: 285 mm W x 172 mm D x 77 mm H Power Amplifier with fan & mounting plate: 285 mm W x 172 mm D x 105 mm H 3520 Power Supply and cradle: 280 mm W x 300 mm D x 110 mm H
Weight	2110M Manpack 2.9 kg Cradle & rear panel 1.7 kg 3160 Power Amplifier 2.4 kg Fan 0.24 kg PA, fan & mounting plate 2.64 kg 3520 Transceiver Power Supply 3.3 kg

SYSTEM DIAGRAM



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