

## Patrol 2110M-V125 MOBILE PLATFORM SYSTEM

### ➤ FEATURES AT A GLANCE



- 1.6 to 30 MHz
- AES-256 and CES-128 Encryption options
- Frequency hopping
- 125 W output power (100 W option)
- Internal GPS receiver
- 12 or 24 V DC or AC mains operation
- 100% duty cycle for voice and data
- MIL-STD-810F environmental
- STANAG 4538 (3G ALE)
- MIL-STD-188-141B ALE (JITC Certified)
- MIL-STD-188-110A/B Internal Data Modem
- Shock mounts available
- 3 year warranty

The 2110M-V125 is a compact 125 W system utilising the 2110M Manpack radio and the 3160 125 W Power Amplifier. Coupled with one of Codan's automatic tuners, the 2110M-V125 system provides a comprehensive solution for any tactical mobile deployment supporting both encrypted voice and data.

### FULLY FEATURED

The 2110M-V125 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 system to a 25 W manpack.

### RUGGED DESIGN

The 2110M and 3160 exceed the requirements of MIL-STD-810F, able to withstand the vibration and shock of wheeled vehicle installations, requiring shock mounts only for other mobile installations.

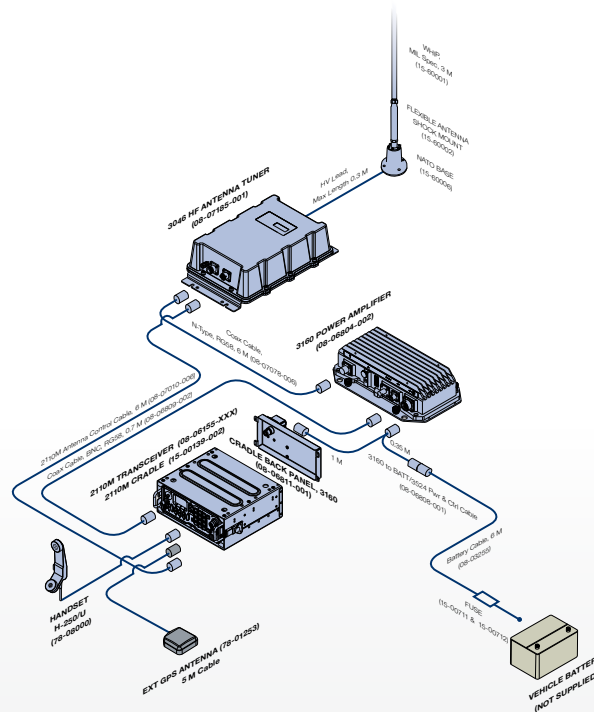


# 2110M-V125 MOBILE PLATFORM SYSTEM

## SPECIFICATIONS

<b>Frequency range</b>	Transmit: 1.6 to 30 MHz Receive: 250 kHz to 30 MHz Resolution: 10 Hz
<b>Power output</b>	125 W (100 W option) PEP CW or single tone: approximately 60% of PEP with average PEP control
<b>Supply voltage</b>	13.6 V DC nominal, negative earth
<b>Over voltage protection</b>	Shuts down at 16 V DC nominal for duration of over voltage
<b>Temperature</b>	-40 to 70°C, full spec -30°C to 60°C
<b>Environment (MIL-STD-810F)</b>	2110M & 3160: Immersion, Low Pressure, Rain, Humidity, Fungus, Salt Fog, Sand & Dust, Vibration, Shock
<b>Size (transceiver in cradle)</b>	Manpack, cradle & rear panel: 280 mm W x 320 mm D x 110 mm H Manpack, cradle, rear panel & shock mount: 320 mm W x 320 mm D x 145 mm H Power Amplifier & shock mount: 320 mm W x 230 mm D x 115 mm H Power Amplifier with fan & shock mount: 320 mm W x 230 mm D x 145 mm H 3046 Tuner & shock mount: 390 mm W x 220 mm D x 130 mm H
<b>Weight</b>	2110M Manpack 2.9 kg Cradle 1.7 kg Cradle shock mount 1.9 kg 3160 Power Amplifier 2.4 kg Fan 0.24 kg 3160 Power Amplifier shock mount 2.3 kg 3046 Tuner 2.4 kg 3046 shock mount 2.3 kg 3524 24 to 12 V DC Converter 1.4 kg

## SYSTEM DIAGRAM



CODAN™ is a trademark of Codan Limited. Other brand, product and company names mentioned in this document are trademarks or registered trademarks of their respective holders.

Values noted are typical. Equipment descriptions and specifications subject to change without notice or obligation.

## CODAN RADIO COMMUNICATIONS

12-20249-EN Issue 3 11/2015



[www.codanradio.com](http://www.codanradio.com)

Australia: +61 8 8305 0528

US: +1 571 919 6432

Canada: +1 250 382 8268

UAE: +971 44 53 72 01

[HFsales@codanradio.com](mailto:HFsales@codanradio.com)