

# MRX 2110M INTEROPERABILITY HEADQUARTERS SYSTEM

## FEATURES AT A GLANCE



- Easy to use
- 2110 Manpack operation
- Data capable
  - Email
  - Codan Chat Messaging
- GPS Tracking
  - Motorola Motolocator Support
- Legacy system interoperability
- 125 W optional power amplifier
- MIL-STD-141B ALE (JITC Certified) and FED-STD-1045 ALE / CALM™
- MIL-STD-810F deployable system
- AC supply
- IP remote control
- COMSEC solution
  - CES-128 bit
  - AES-256 bit

The MRX 2110M Headquarters System is a fully ruggedised (MIL-STD-810F) field deployable Headquarters System, supporting voice, data and an array of encryption options.

### QUICK TO INSTALL

Providing a deployable backbone communication system, the MRX can be quickly installed and interconnected with local infrastructure.

Housed in a 19 inch shock-mounted rack available in 25 or 125 W systems (with optional 3160 Power Amplifier), the transit case provides shock and vibration protection during transportation.

### FULL SPECTRUM COMMUNICATIONS

The MRX 2110M System can be combined with a suite of interoperability products such as the MRX-I Interoperability System and Operator Interface Unit (OIU). This system supports real-time “drag and drop” configuration of individual and multiple communication links, and interfacing with PBXs/PSTN lines, VOIP, LANs (data support) and other radio assets. This capability provides full spectrum communications support to ground operators through HF, VHF, UHF and Satellite systems.

### JERK & RUN CAPABILITY

The 2110M Manpack is installed in a sliding cradle and can be quickly removed for use as a conventional 25 W portable Manpack system.



# MRX 2110M INTEROPERABILITY HEADQUARTERS SYSTEM

## SPECIFICATIONS

### GENERAL

Frequency range	1.6 to 30 MHz transmit, 250 kHz to 30 MHz receive
Power rating	25 / 125 W PEP systems available
Channel capacity	2110 Manpack: 400 or 600 channels
Operating mode	J3E, USB, LSB, AM
RF output impedance	50 $\Omega$

### MECHANICAL

Temperature rating	-10°C to 60°C, 95% humidity
AC operating range	100 to 240 V AC $\pm$ 10% 50/60 Hz
Protection	Open circuit, short circuit, over voltage, over temperature, voltage transients, high VSWR
MIL-STD-810F	Transceiver meets Dust, Shock and Vibration
Dimensions	
125 W radio case	Deployed: 680 mm x 690 mm x 410 mm (Transit: 950 mm x 690 mm x 430 mm)
Weight (transit)	125 W: 48 kg (105.82 lbs) (with radio, modem, console, PSU)

### OPTIONS

Encryption	CES-128 bit Encryptor, AES-256 bit Encryptor and MELPe 1200/2400 bps digital voice AES-256 bit Data Encryption (with RM50 Encrypted Data Modem)
ALE	MIL-STD-141B ALE (JITC Certified), FED-STD-1045 ALE / CALM™
Email	RC-50C Email Gateway
GPS tracking	Internav™ CHF GPS tracking software
Modems	RM50

### ANTENNAS

Tactical deployment	Tuned Dipole Antenna, 125 W Semi-delta, Full-delta Multi-wire Broadband Dipole
---------------------	--

CODAN™ and CALM™ are trademarks 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.



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

## RADIO COMMUNICATIONS

12-20263-EN Issue 1 6/2012

T: +61 8 8305 0311 ▪ F: +61 8 8305 0411 ▪ E: [sales@codanradio.com](mailto:sales@codanradio.com)  
Codan Limited ▪ 81 Graves Street ▪ Newton South Australia 5074 ▪ Australia