

## MRX HEADQUARTERS SYSTEM

### ➤ FEATURES AT A GLANCE



- Easy to use
- Data capable
  - Email
  - Codan Chat Messaging
- GPS Tracking
  - Motorola Motolocator Support
- Legacy system interoperability
- 125 W standard
- 500 / 1000 W system options
- 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 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 125, 500 or 1000 W systems, the transit case provides shock and vibration protection during transportation.

### FULL SPECTRUM COMMUNICATIONS

When combined with a MRX-I Interoperability System, which supports real-time “drag and drop” configuration of individual and multiple communication links, the MRX-I Interoperability System enables the MRX to interface 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.



## SPECIFICATIONS

### GENERAL

Frequency range	1.6 to 30 MHz transmit, 250 kHz to 30 MHz receive
Power rating	125, 500 or 1000 W PEP systems available
Channel capacity	NGT™ ASR: 600 channels
Operating mode	J3E, USB, LSB, AM
RF output impedance	50 Ω

### MECHANICAL

Temperature rating	-10°C to 60°C, 95% humidity	
AC operating range	100 to 240 V AC ±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)	
500 / 1000 W Power Amp Cases	Deployed: 680 mm x 690 mm x 490 mm (Transit: 950 mm x 690 mm x 490 mm)	
Power Supply (PSU) Cases	Deployed: 680 mm x 690 mm x 490 mm (Transit: 950 mm x 690 mm x 490 mm)	
Weight (transit)	125 W:	48 kg (105.82 lbs) (with radio, modem, console, PSU)
	500 W Power Amp:	52 kg (114.64 lbs)
	500 W PSU:	43 kg (94.8 lbs)
	1000 W Power Amp:	60 kg (132.28 lbs)
	1000 W PSU:	46 kg (101.41 lbs)

### SYSTEM OPTIONS

15-00219-001	125 W MRX Headquarters System (case only)*
15-00220-001	500 / 1000 W MRX Headquarters System (cases only)*
	MRX-I Interoperability System

\* All transceivers and accessories ordered separately

### OPTIONS

Encryption	CES 128-bit Encryptor, AES 256-bit Encryptor & MELPe 1200 / 2400 bps digital voice
ALE	MIL-STD-141B ALE (JITC Certified), FED-STD-1045 ALE / CALM™
Email	UUPlus™ supports COTS email clients
GPS tracking	Internav™ CHF GPS tracking software
Modems	3212, 3012

### ANTENNAS

Tactical deployment	Tuned Dipole Antenna, 125 W Semi-delta, Full-delta Multi-wire Broadband Dipole
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Values noted are typical. Equipment descriptions and specifications subject to change without notice or obligation.



# MRT MOBILE RADIO TECHNOLOGIE

11 Rue de la Libération - 77000 VAUX-LE-PENIL

Tél : 33(1)64.41.76.44 - Fax : 33(1) 60.63.24.85 - info@mrt-france.fr - www.mrt-france.fr  
SARL au capital de 100.000 Euros - R.C. MELUN B 338 747 892 - N° TVA/VAT FR 05 338 747 892