

# MRX NGT™ Interoperability HEADQUARTERS SYSTEM

## ➤ FEATURES AT A GLANCE



- Easy to use
- Email, fax, GPS tracking and telephony support
- Legacy system interoperability
- 125 W standard
- 500/1000 W system options
- JITC Certified MIL-STD-188-141B ALE 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 NGT™ Interoperability 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 framework, and available in 125, 500 or 1000 W systems, the transit case provides shock and vibration protection during transportation.

### FULL SPECTRUM COMMUNICATIONS

The NGT™ can be combined with a suite of interoperability products such as the Radio Interface Unit (RIU) 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.



## 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™ SRx: 400 channels
Operating mode	J3E, USB, LSB, AM, ISB (option)
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: 978 mm x 625 mm x 378 mm) 0.23 m <sup>3</sup> shipping cube (NGT™ Voice and Data)	
	Deployed: 680 mm x 690 mm x 410 mm (Transit: 978 mm x 625 mm x 467 mm) 0.29 m <sup>3</sup> shipping cube (NGT™ with C4i Interoperability)	
500/1000 W power amplifier cases	Deployed: 680 mm x 690 mm x 490 mm (Transit: 978 mm x 625 mm x 378 mm) 0.23 m <sup>3</sup> shipping cube	
Power supply (PSU) cases	Deployed: 680 mm x 690 mm x 490 mm (Transit: 978 mm x 625 mm x 378 mm) 0.23 m <sup>3</sup> shipping cube	
Weight (transit)	125 W:	48 kg (with Radio, Modem, Console, PSU)
	500 W Power Amplifier:	52 kg
	500 W PSU:	43 kg
	1000 W Power Amplifier:	60 kg
	1000 W PSU:	46 kg

### OPTIONS

Encryption	CES-128 bit Encryptor, AES-256 bit Encryptor and MELPe 1200/2400 bps digital voice or Type 1 (US Government only)
ALE	FED-STD-1045 ALE/CALM™, MIL-STD-188-141B
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.

## RADIO COMMUNICATIONS

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