

MRX NGT™ Interoperability HEADQUARTERS SYSTEM

7 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

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.

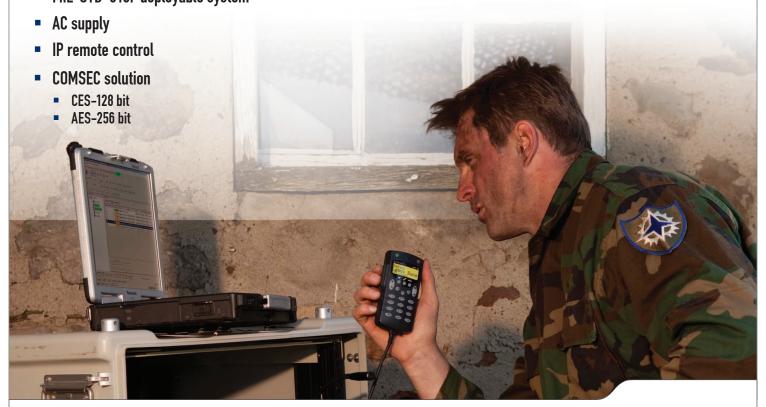
QUICK TO INSTALL

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.



MRX NGT™ Interoperability HEADQUARTERS SYSTEM

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 capacityNGT™ SRX: 400 channelsOperating modeJ3E, 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 m³ 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 m³ 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 m³ 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 m³ shipping cube

Weight (transit) 125 W: 48 kg (with Radio, Modern, 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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 $Values\ noted\ are\ typical.\ Equipment\ descriptions\ and\ specifications\ subject\ to\ change\ without\ notice\ or\ obligation.$



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