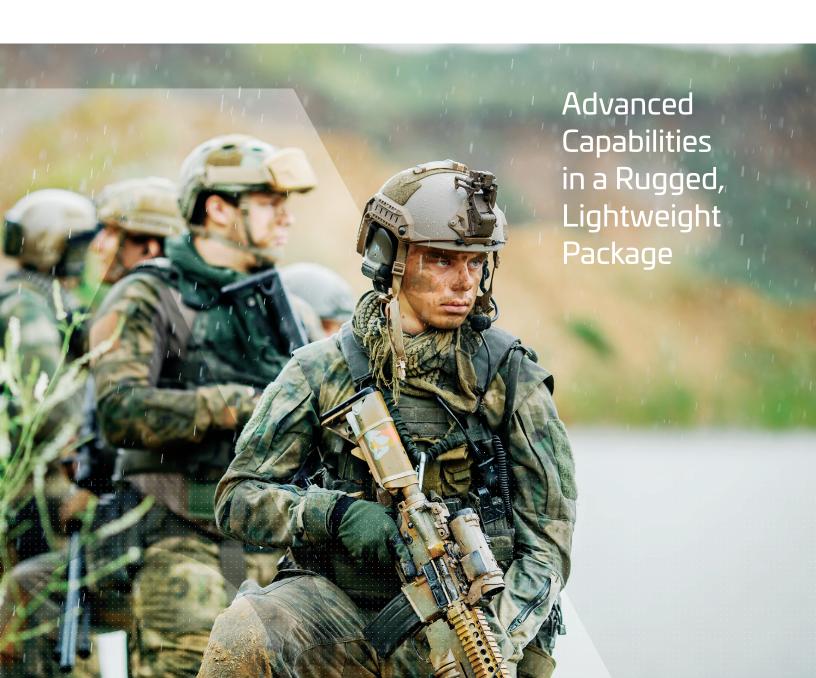


# PRC6809 MBITR

## Multiband Inter/Intra Team Radio



### PRC6809 MBITR

In a ruggedized package weighing less than two pounds, the PRC6809 MBITR serves defense, allied, and coalition forces globally. Based on the combat-proven AN/PRC-148 MBITR, the PRC6809 MBITR provides unprecedented interoperability with existing military and commercial legacy radio systems. In addition, with software upgradeability, future operation with the next generation of communications equipment is ensured. The multi-processor architecture of the PRC6809 MBITR creates a truly software-based, handheld radio. The PRC6809 MBITR can be utilized with the full set of system components for mounted and dismounted operations.



### **Technical Specifications**

#### **Key Features**

- ➤ Contiguous 30–512 MHz Coverage
- ➤ DES/Type III and AES/256-bit Encryption Options
- ➤ New transceiver design with improved receive/transmit co-site performance
- ➤ Rechargeable Lithium-Ion 6.8 Ah
- Compliant with the Universal Battery
  Charger (UBC) family of tactical chargers
- Cornerstone of a Complete
  Communications System for Mounted
  and Dismounted Operations

#### **Physical Parameters**

**Length:** 8.44 inches (21.44 cm)

**Width:** 2.63 inches (6.68 cm) **Depth:** 1.52 inches (3.86 cm)

Volume: 33.7 cubic inches (552.8 cubic cm)

**Weight:** 30.6 ounces (867.5 gm)

#### **Environmental Specifications**

Operating:  $-30^{\circ}$  to  $+60^{\circ}$  C

**Storage:** -30 $^{\circ}$  to +71 $^{\circ}$  C

Immersion: 2M/20M

#### Reliability

MTBF: > 30,000 hours field measured

MTTR: < 8 minutes

#### **Waveforms/Modes of Operation**

Standard Features

- AM/FM
- Voice/Data
- Retransmission
- Situational Awareness

Optional Features

- DES Encryption
- AES Encryption
- Enhanced GPS
- HAVEQUICK I/II
- Country Specific ECCM
- ATC 8.33 kHz

#### **Transmit Output Power**

0.1, 0.5, 1.0, 3.0 & 5.0 watts (FM)

1.0 & 5.0 watts (AM)

#### Data

12 and 16 kbps synchronous

#### **Emergency Beacons**

AM Swept tone beacon

#### **Programmable Channels**

100 Memory Preset Channels

Menu Selectable Groups

Clear/Digital Voice Mode Selection on a Channel-by-Channel Basis

User Programmable from front panel menu, PC Programmer, and radio-to-radio cloning

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<sup>\*</sup>Specifications are subject to change without notice.