THALES

PRC6809V MBITR VHF Combat Net Radio

Advanced Capabilities in a Rugged, Lightweight Package

PRC6809V MBITR

In a ruggedized package weighing less than two pounds, the PRC6809V serves defense, allied, and coalition forces globally. Based on the combat-proven AN/PRC-148 MBITR, the PRC6809V 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 PRC6809V creates a truly software-based, handheld radio. The PRC-6909V can be utilized with the full set of system components for mounted and dismounted operations.



Key Features

- Contiguous 30–512 MHz Coverage 30–225 MHz Public Safety (Optional Upgrades) 30-512 MHz Multi-Band Ground to Air (Optional Upgrades) Military Grade ECCM AES/256-bit Encryption
- 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

Technical Specifications

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
- Country Specific ECCM

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

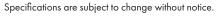
Emergency Beacons

AM Swept tone beacon

Programmable Channels

116 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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