C-REACH (MP) Carrier System

A man portable beyond line of sight system

C-REACH MAN PACK
Part No: 20-007-01
Serial No: A001

Rugged, compact & modular computing

Utilising the latest BGAN terminal the C-REACH Man Pack (MP) Carrier System provides a self sustaining communications platform. The secure relay of video, radio & data in a single BLoS System.

2 x 2590 Rechargeable Batteries

3Meter Mast

60Watt Flexible Solar Panel

Power Management

CREACH-MP

Rugged Tablet

Explorer710 BGAN

C-REACH (MP) is the first communications solution that provides a modular Beyond Line of Site (BLOS) voice, video and data gateway. Users deployed to the forward edge of operating areas have the ability to communicate mission critical information to tactical and strategic decision makers, without the need to carry or transport additional radios, batteries, chargers or antennas.

The **C-REACH (MP)** solution allow users to communicate with almost any variant of modern radio communication system. **C-REACH (MP)** creates an operating umbrella that allows any user with a corresponding radio to achieve complete BLOS communications on a global scale through SATCOM/IP networks.

C-REACH (MP) provides a global, simultaneous voice and data capability allowing both radio and video traffic to be securely passed through the command chain from a single lightweight system that can be self-sufficient for up to 36 hours* in the most remote environments.

C-REACH (MP) is compliant to:

- MIL-STD-1275 input voltage range and transient voltage
- MIL-STD-704A input voltage range requirements

* Relates to use of a single channel radio network operating over 8 hours on a 10% transmit and 90% standby cycle.

Key Features:

Tablet
- 8 GB RAM
- Intel Atom 1.6Ghz burst to 2.4Ghz
- Windows 10 Professional
- MIL-STD-810G and IP65

Explorer 710 BGAN Terminal
- A Class 1 BGAN with up to 492 x 492 Kbps speeds Fastest for Live Streaming Service - 650 Kbps with BGAN HDR Powerful Wi-Fi hotspot (up to 328' ft or 100 meters) Control App includes Phone Support for any Smart Phone

Mast
- 3m compact composite mast

Power Management
- 60watt flexible solar panel
- Vehicle DC supply cable
- Explorer 710 DC cable
- Tablet DC cable
- CREACH-MP DC cable
- PRC 148 /152 Battery Eliminator
- Source power from 2 x BB2590U batteries

Radio Support
- CREACH-MP supports multiple radio solutions, MBITR, HARRIS, MOTOROLA, CODAN, many more.

Video Support
- CREACH-MP supports a single composite video source, optional HD-SDI video input is also available.

C-REACH Equipment

REMOTE UNIT WITH C-REACH VEHICLE SYSTEM

REMOTE UNIT WITH C-REACH MAN PACK SYSTEM

ENCRYPTED VOICE & VIDEO

ENCRYPTED VOICE & VIDEO

ENCRYPTED VOICE & VIDEO

Smartphone and tablet access to remote C-REACH video and audio

Desk users receiving C-REACH Video with 2 Way Voice Communications.

HEADQUARTERS NETWORK