

SATCOM Base Station (SBS)

Secure Over-the-Horizon Rescue Communications



Delivered as a self-contained, stand alone SATCOM Base Station - No SIPRNET connection

Network-based architecture supports integration into existing C4 assets to build multi-base station, multi-user communication networks

"Always On" auto acknowledgement feature provides instant feedback to isolated personnel

Built-in web server enables interface to mapping software to visually show survivors on a map

The SATCOM Base Station (SBS) is designed for global, in-theater and on-the-move operations. The Base Station provides secure Over-the-Horizon (OTH) data communications with HOOK2® AN/PRC-112G and HOOK3™ Combat Survival radios. This system is a powerful, global, cost-effective solution that provides assured communications to military, special forces, law enforcement and government agencies.

The self-contained SBS is housed in a rugged carrying case, and includes a laptop computer, Base Station Radio, antenna, and cabling. It can be powered by batteries or standard AC power. The Base Station is lightweight, portable and easy-to-use and setup, making it ideal for mobile, rapid deployment or fixed locations.

When used with the HOOK2 or HOOK3 radio, the SBS provides a direct, secure, two-way, OTH communications path between isolated personnel and rescue forces. With its "Always-On" nature and its auto-acknowledgment feature, the Base Station provides the isolated personnel with an assured communications link. Its interrogation feature allows the SBS user to extract location and status information from the remote HOOK2 or HOOK3 radio. SBS users can send messages immediately, or queue messages for later transmission when the isolated personnel's radio is turned on and ready to receive.

SATCOM Base Station (SBS)

Proven HOOK System

Secure OTH Rescue Communications

- Sends an auto-acknowledgment message to the Isolated personnel to confirm their distress message was received
- Allows messages to be queued and sent later, when isolated personnel contact the SATCOM Base Station

Cost-Effective

- Uses existing Military UHF satellites, which avoids commercial SATCOM charges
- Dedicate SATCOM Base Station to single mission or user group

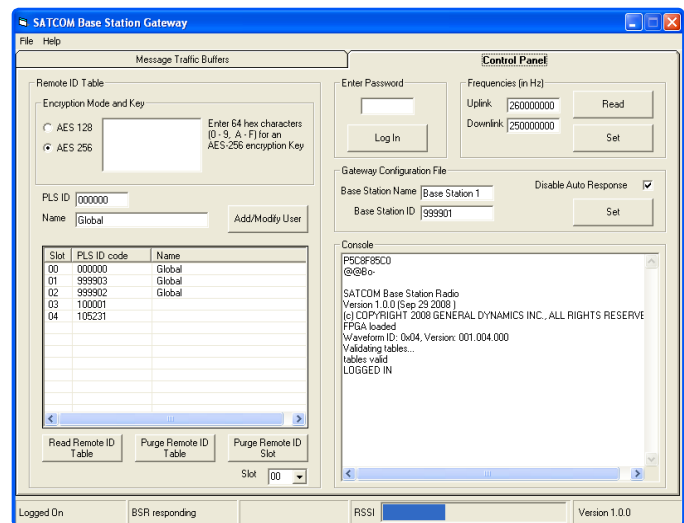
Portability and Ease of Use

- Lightweight and rugged, and can be carried by one person
- Minimal set-up and tear-down time facilitates on-the-move deployment
- Powered by batteries or standard 110/220 VAC 50/60Hz AC
- Includes an intuitive graphical user interface for configuring operating parameters
- Users Interface has the look and feel of a typical e-mail program
- Ease-of-use features include an integrated help system

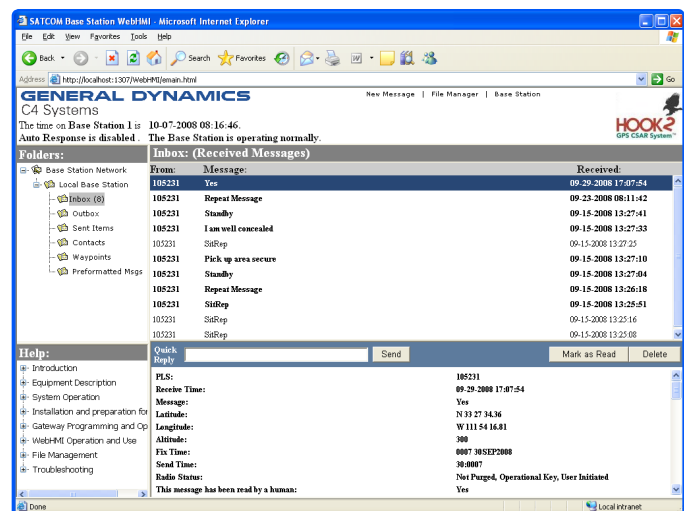
Scalable

- Operates as a complete, self contained, stand-alone SATCOM Base Station
- Network-based architecture supports integration into existing C4 assets to build multi-base station, multi-user communication networks
- Web-based Human/Machine Interface (HMI) allows operators to be located away from the SATCOM Base Station
- Message traffic can be integrated into existing Common Operating Picture (COP) tools

The SATCOM Base Station's net-centric architecture revolves around the Gateway application. Running on the Base Station's laptop, the Gateway provides the interface between the HOOK2 and HOOK3 radios SATCOM protocol and a standard network data format (XML). A web server, also running on the Base Station's laptop, delivers this data to users via the network in a standard HTML-based web form.



Gateway Control Panel



Web HMI

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