



## Global Broadcast Service Suitcase Portable Receive Suite



**Providing high mobility, high-speed broadband multimedia for forces on post, in transit and in theater**

### Key Features and Benefits

- Commercial off-the-shelf (COTS) architecture supports diverse worldwide theater missions
- Lightweight, rugged laptop for highly mobile or special operations users
- Field-proven, high-strength 0.6 meter rucksack antenna
- Intelligence, reconnaissance, and surveillance support systems that provide real-time situational awareness and tactical content for global distribution
- Provides easy integration with end-user networks and video distribution systems

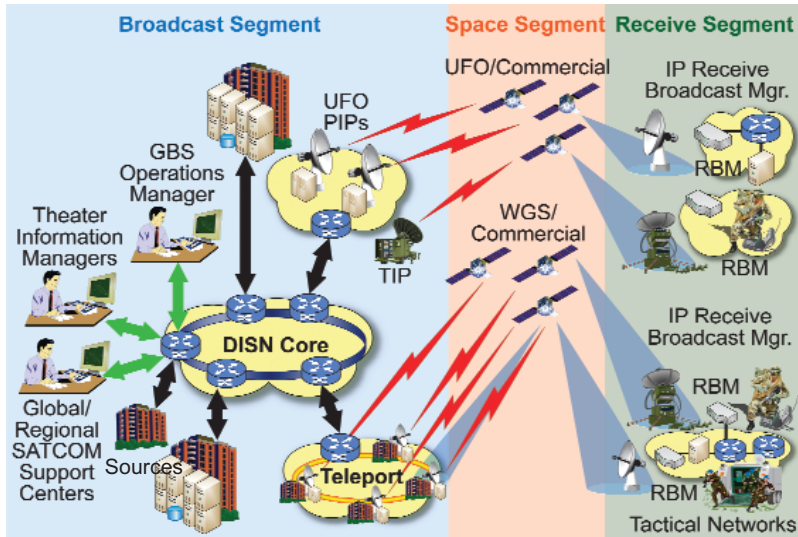
For more than a decade, the Global Broadcast Service (GBS) has provided the most efficient way of delivering advanced information management capabilities to government agencies, combatant commanders and the Joint Services.

The Suitcase Portable Receive Suite (SPRS) is the next evolution of GBS receive terminals for the warfighter. Highly mobile users require a small, lightweight terminal that delivers high-speed, broadband multimedia communications and information while on post, in transit, and in theater. For easy transport, the SPRS breaks down into a rucksack or airline carry-on case. Despite its small size, the SPRS provides the processing power required to receive full bandwidth GBS broadcasts at multiple security levels simultaneously to meet the diverse requirements of the tactical user.

The GBS augments government communications systems to deliver large volumes of information to disadvantaged users with limited or no data access.

The GBS is a highly agile, extensible and scalable COTS-based system that provides full flexibility to broadcast mission-essential data over both military and commercial satellites. The GBS provides worldwide Internet Protocol broadcast of video, imagery and other data to the edge of the global information grid in support of U.S. forces and government agencies. The GBS delivers real-time unmanned aerial video, providing unsurpassed situational awareness to warfighters on the front lines.





*The Global Broadcast Service*



*RBM*

## Suitcase Portable Receive Suite

The SPRS consists of receive broadcast managers, GBS man pack terminal antenna, and cryptographic equipment. The SPRS is also fully compatible with the GBS next generation receive terminal, which breaks down into two transit cases for transport.

## Receive Broadcast Manager

The Receive Broadcast Manager uses a single rugged laptop to support all features of the GBS receive suites and incorporates an advanced satellite receiver capable of receiving of GBS content for storage and dissemination. The Receive Broadcast Manager uses advanced forward error correction processing to reconstitute video and data broadcasted across the satellite space segment. It provides immediate access to multimedia broadcasts and controls the dissemination of the data across end-user networks and video distribution systems. The Receive Broadcast Manager has ample processing power to support the reception from two full-rate GBS satellite transponders.

## The GBS Man Pack Terminal

The highly portable GBS man pack terminal offers flexibility and agility by supporting broadcasts from the DoD and commercial satellites. The man pack terminal requires simple hand tools to assemble and secure the antenna in minutes — a vital capability for its designed role. The terminal can be reconfigured between Ka and Ku bands with interchangeable low noise blocks to receive GBS broadcasts over Ultra high Frequency Follow-On, Wideband Global SATCOM, and commercial satellites.

## The GBS Program

Raytheon Intelligence and Information Systems (IIS), under contract with the U.S. Air Force, U.S. Army and U.S. Navy, provide unmatched GBS experience and expertise in support of DoD operations worldwide. IIS provides the depth and breadth of knowledge and experience associated with GBS and understands the requirements needed to ensure mission success. Raytheon has supported all phases of the program, focusing on both technical requirements and, more importantly, the needs of the warfighter.



*Man Pack Terminal Antenna*

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**Raytheon**

*Customer Success Is Our Mission*