

## Global Broadcast Service (GBS), Suitcase Portable Receive Suite (SPRS)

The AQYR AN/PRS-11A was originally developed under the Air Force SBIR program and won a 2007 Defense Acquisition Challenge award sponsored by SPAWAR.

The GBS portable receive suite revolutionizes the way warfighters operate. It brings command center information to the operational combat teams or to the individual warfighter where they need it most.

The ultra-lightweight, compact design delivers much needed capabilities to support full-spectrum operations. The system operates over military-owned Ka-Band satellites, which provide both low cost (no satellite access fees) and incredibly wide bandwidth over Worldwide Global SATCOM (WGS) satellites. The rapid setup, short signal acquisition time and simple user interface enables warfighters to deliver precision strikes to the enemy while negotiating dangerous non-linear battlefields.

Built combat tough, the portable GBS receive suite is modular and scalable, making it adaptable for operations specific to any mission, as well as ongoing operations outside-the-wire. It is ideal for use in low-visibility or urban terrain operations where traditional satellite dish technology is too high-profile. The AN/PRS-11A is compatible with HAIPE devices. The AN/PRS-11A supports up to Top Secret communications, for information to keep teams safe and reduce collateral damage.

The AN/PRS-11A Portable GBS Receive Suite by AQYR is the new combat force multiplier. It contributes to combat team modernization, helps the warfighter with situational awareness to dominate terrain and win battles, but more importantly, it improves survivability by delivering unparalleled bandwidth for Intelligence, Surveillance, Reconnaissance (ISR) and Full Motion Video (FMV).



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## Features:

- Fully auto-acquire antenna
- Operates on Military GBS network
- ESGM ready
- Receives and processes unclassified to classified with external encrypter
- Modular design facilitates multiple configuration options
- Capable of processing multiple 45 Msps broadcast carriers simultaneously
- 8+ hours on a single 2590/5590 battery
- Only the features you need for your mission at a lower cost
- Proven, battle-tested
- Deploy, Power, Acquire
- Simple, intuitive user interface
- Minimal user training required
- Airline checkable
- Commercially available

## Specifications:

### Mechanical

Antenna Size	60" dish - rear feed
Antenna Control	Motorized
AZ Range	+/-30°
EL Range	0° to 90°
Pointing Resolution	< 0.1°

### Environmental

Operating Temperature	-22° to +140°F (-30° to +60°C)
Storage Temperature	-40° to +160°F (-40° to +71°C)
MIL-STD-810G Compliance	Rain, Dust, Sand, Solar Radiation, Vibration, Altitude, Humidity, Drop, Loose Cargo
Wind Load	

## Specifications (continued):

### Electrical/RF

Power Supply Input	100 to 240 V AC 50/60 Hz
Battery Input	15 V DC from 2590 battery
Tx Frequency	N/A
Rx Frequency	20.2 to 21.2 GHz
Tx Antenna Gain	N/A
Rx Antenna Gain	41.3 dBi
G/T	19.3 dBK
BUC Size	N/A
EIRP	N/A
Tx/Rx Isolation	N/A
Polarization	Circular
X Pol	N/A

### Packaging/Weight

Terminal Weight	31.6 lbs	
Packaged Weight*	Case 1 (PRT) 47.3 lbs	Case 2 (RBM) 32 lbs
Terminal Size	19" L x 12" W x 9" H (stowed)	
Packaged Size* (exterior)	Case 1 (PRT) 24.13" L x 18.80" W x 13.25" H	Case 2 (RBM) 21.89" L x 13.98" W x 9.00" H

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