

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

As a program of record terminal within the U.S. Space Force's Global Broadcast Service (GBS) program and a recipient of a Defense Acquisition Challenge award, the AN/PRS-11 is revolutionizing tactical communications by delivering high-bandwidth GBS connectivity directly to forward-deployed teams.

Compact, rugged, and battle-proven, it enables rapid setup and acquisition for full-spectrum operations over military Ka-band satellites—including the WGS network—with no satellite access fees. Its modular, low-profile design supports flexible deployment in urban or low-visibility environments, while Type 1 encryption and HAIPE compatibility provide secure, Top Secret-level communications.

The AN/PRS-11 enhances situational awareness, supports ISR and Full Motion Video applications, and acts as a true force multiplier for the modern warfighter.

Features

- Small, lightweight, and portable
- Low power consumption for extended operation
- Rapid signal acquisition
- Over 8 hours of operation on a single 5590 battery
- Proven, battle-tested performance



This datasheet has been released into the public domain in accordance with International Traffic in Arms Regulations (ITAR) 22 CFR 120.11(6).

Mechanical		
Antenna Size	11.75" x 16"	
Antenna Control	Motorized	
AZ Range	+/- 30°	
EL Range	0 -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	30 mph sustained, 45 mph winds	
Electrical/RF		
Power Supply Input	100 to 240 V AC 50/60 Hz	
Battery Input	15 V DC from 2590 battery	
Rx Frequency	20.2 to 21.2 GHz	
Antenna Gain Rx	36.2 dBi	
G/T	12.3 dBK	
Polarization	Circular	
Packaging/Weight		
Terminal Weight	23.2 lbs	
Packaged Weight*	Case 1 (receive suite) 49.8 lbs	Case 2 (RBM) 32 lbs
Terminal Size	19" L x 12" W x 9" H (stowed)	
Packaged Size*	Case 1 (receive suite) 24.83" x 19.69" x 11.88"	Case 2 (RBM) 21.89" x 13.98" x 9.00"