

# AMATS-300

*Automatic Mobile Antenna Tracking System*

The **BATS AMATS-300** System is BATS next generation of Automatic Mobile Antenna Tracking Systems (AMATS) providing critical real-time data, voice and video via **wireless broadband in minutes**. AMATS-300 is a pre-assembled, ready-to-use unit which seamlessly integrates radio, antenna, GPS, auto-aiming device and BATS power control unit.

The **BATS AMATS-300** (27.5" wide x 28.3" tall) employs the same technological innovation as the AMATS-100, yet harbors a very powerful antenna/radio system which provides high-bandwidth communications over vast distances. When normal wireless broadband communications breakdown, the AMATS-300 System delivers an uninterrupted high-bandwidth wireless network with moving vehicles up to 100 MB/sec at 40 kilometers, with ample connectivity over 60 kilometers.

The **BATS AMATS-300 System requires minimal technical knowledge** from its users to deploy broadband communications. AMATS is preconfigured to automatically on power up quickly locate, lock and track communication access points. **The system's ultrafast time-saving features allows workers to focus on the bigger job at hand and not communications.**

The AMATS-300 System is environmentally sealed design protects it from temperature changes and damage from water, salt, sand and other environmental hazards.

The AMATS-300 System utilizes a GPS-Assisted Gyro Stabilizer System to compensate for vehicular movement, minimizing link acquisition time while maximizing connection stability during turns and vertical movements. The AMATS also has extensive built-in remote management capabilities--making it manageable from anywhere.









## Product Specifications

ENVIRONMENTAL	IP66, Salt, Fog
SIZE	27.5" (Ø) x 28.3" (H) 65lbs
MOUNTING	Pole Mount
OPERATING TEMPERATURE	-20°C to 65°C -40°C option
POWER	12-14 VDC

BATS engineers continuously strive to improve all aspects of our products. All specifications are subject to change without notice.



Automatic Mobile Antenna Tracking | Product Components with Rack Mount

RMCU-2500	Rack Mount Control Unit  (AC ONLY)		BATS Indoor Rack Mount Control Unit; AC Power Only (110 – 265 vAC);
BTS-DVM-300	BATS Dome Enclosed Motor Control Unit		<p>SIZE 27.5" (Ø) x 28.3" (H)</p> <p>RANGE Pan: 360° Continuous Scanning Tilt: 0 to +10°</p> <p>SPEED Pan: Up to 40°/sec Tilt: Up to 4°/sec</p> <p>ENVIRONMENTAL IP66, Salt, Fog</p> <p>OPERATING TEMPERATURE -20°C to 65°C -40°C option</p> <p>WEIGHT 65lbs</p> <p>MOUNTING Pole</p>
BTS-BKT-PM	BATS PU-25-HD Pole Mounting Bracket		<p>Mounting Bracket and Hardware to append Positioning Unit to Mast.</p> <p>Additionally, BATS has improved upon the success of the original compact, vehicle hard mount, self-aiming tracking system by adding a suction-cup mount for more versatility and for use in mobile units.</p>
BTS-GS-2500	BATS GPS Stabilizer		GPS Stabilization Unit. Includes; BATS Pole Mounting Bracket, 2 x GPS Antenna, 2 x GPS Antenna Cable, GPS Stabilization Heading Unit, GPS Power Control Cable
BTS-C100-STD	100' Positioning Unit Control Cable		100' Marine Grade Power Control Cable with Military Spec Connectors
Broadband Ethernet Radio	Customer Supplied		The BATS System is Radio Agnostic and can be configured to integrate with the customers current Broadband Ethernet Radio platform.

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Automatic Mobile Antenna Tracking | Product Components with Hardened Control Unit

HCU-2500	Hardened Control Unit		ENVIRONMENTAL	IP66, Salt Fog
			PHYSICAL DIMENSIONS	6" (H) x 10.5" (W) x 9" (D)
			WEIGHT	15 lbs.
			OPERATING TEMPERATURE	-20°C to 60°C Optional -40°C to 65°C
			OPERATING VOLTAGE	AC: 90-265VAC 47-63Hz DC: 10.5-34.5VDC with/Auto Sense
			POWER CONSUMPTION	150 Watts Nominal, with POE Option: 200 Watts

BTS-DVM-300	BATS Dome Enclosed Motor Control Unit		SIZE	27.5" (Ø) x 28.3" (H)
			RANGE	Pan: 360° Continuous Scanning Tilt: 0 to +10°
			SPEED	Pan: Up to 40°/sec Tilt: Up to 4°/sec
			ENVIRONMENTAL	IP66, Salt, Fog
			OPERATING TEMPERATURE	-20°C to 65°C -40°C option
			WEIGHT	65lbs
			MOUNTING	Pole

BTS-BKT-PM	BATS PU-25-HD Pole Mounting Bracket		Mounting Bracket and Hardware to append Positioning Unit to Mast.	
			Additionally, BATS has improved upon the success of the original compact, vehicle hard mount, self-aiming tracking system by adding a suction-cup mount for more versatility and for use in mobile units.	

BTS-GS-2500	BATS GPS Stabilizer		GPS Stabilization Unit. Includes; BATS Pole Mounting Bracket, 2 x GPS Antenna, 2 x GPS Antenna Cable, GPS Stabilization Heading Unit, GPS Power Control Cable	
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BTS-C100-STD	100' Positioning Unit Control Cable		100' Marine Grade Power Control Cable with Military Spec Connectors	
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Broadband Ethernet Radio	Customer Supplied		The BATS System is Radio Agnostic and can be configured to integrate with the customers current Broadband Ethernet Radio platform.	
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