



TECHNOLOGY OVERVIEW

Advanced System Automation

One-touch antenna location and synchronization
Dual axis motors realign for link acquisition

System Agnostic

Enclosed and open-air options
Fully customizable setup allows for near universal list of antenna/radio configurations

Seamless Installation

Two cables provide both motor control, and data connectivity

Rapid WWAN Provisioning

BATS exclusive ECO Link uses an industry-first wireless search algorithm that scans the horizon for a compatible signal. Once targeting has occurred, ECO Link scans the wireless lobes to locate the center point, providing quick network links at the highest throughput possible.

Dynamic System Tracking & Stabilization

With GPS Lobe Optimization, the system routinely checks connection health to detect and immediately counteract any drops or weaknesses in the wireless signal caused by interference, environmental changes, or sudden platform movement. As platform movement occurs, as seen during a mobile deployment, the system will recalibrate and adjust its position in real-time to compensate for directional changes of the base platform in both axis, azimuth and elevation.

Enhanced Control Unit

Ruggedized and rack mount configurations
SNMP Monitoring & Dynamic Service Level Validation
WWAN link management with available Link Manager
HTTPS/SSH/Telnet Management

Products

Systems (Positioning Unit, Control Unit, Mounting Kit, Cables & Accessories)

AMATS 100 (10 lb. Payload)	Domed (enclosed) tracking and stabilization system
AMATS 300 (25 lb. Payload)	Domed (enclosed) tracking and stabilization system
BTS 2500 (25 lb. Payload)	Open-Air tracking and stabilization system
BTS 5000 (50 lb. Payload)	Open-Air tracking and stabilization system
BTS 9000 (90 lb. Payload)	Open-Air tracking and stabilization system
BTS 50000 (500 lb. Payload)	Open-Air tracking and stabilization system

Positioning Unit

DVM 100 (10 lb. Payload)	Domed (enclosed) Positioning Unit for AMATS 100
DVM 300 (25 lb. Payload)	Domed (enclosed) Positioning Unit for AMATS 300
PU 25 (25 lb. Payload)	Open-Air Positioning Unit (25 lb. Payload)
PU 50 (50 lb. Payload)	Open-Air Positioning Unit (50 lb. Payload)
PU 90 (90 lb. Payload)	Open-Air Positioning Unit (90 lb. Payload)
PU 500 (500 lb. Payload)	Open-Air Positioning Unit (500 lb. Payload)

Control Unit

RMCU 2500	Rack Mount Control Unit - for DVM 100/300 & PU 25
RMCU 5000	Rack Mount Control Unit - for PU 50
RMCU 9000	Rack Mount Control Unit - for PU 90
RMCU 50000	Rack Mount Control Unit - for PU 500
HCU 2500	Hardened Control Unit - for DVM 100/300 & PU 25
HCU 2500 (DC)	Hardened Control Unit - for DVM 100/300 & PU 25
HCU 5000	Hardened Control Unit - for PU 50
HCU 9000	Hardened Control Unit - for PU 90
HCU 50000	Hardened Control Unit - for PU 500

Components

GPS Targeting Stabilizer	GPS-Based Signal Targeting & Stabilization
Fleet Controller	Control Appliance for Multiple Control Units
Positioning Unit Cabling	PU Power Cables, Available up to 330 ft.
Mil-Spec Ethernet Cabling	Insulated Cat 5e Cabling, Available up to 330 ft.
Mounting Brackets / Hardware	Universal Pole Mount Kits, Radio Mount Kits

BATS is a leading technology provider, specializing in delivering intelligent communications systems. Our industry-first automated tracking and stabilization platform enables organizations to rapidly deploy massive capacity (Gb+), long-distance, uninterrupted, fixed or mobile wireless networks without skilled technical resources.

Every day- whether on the battlefield, airfield, or oil field, BATS' technology is proven in some of the harshest environments on earth; providing organizations access to their critical communications.

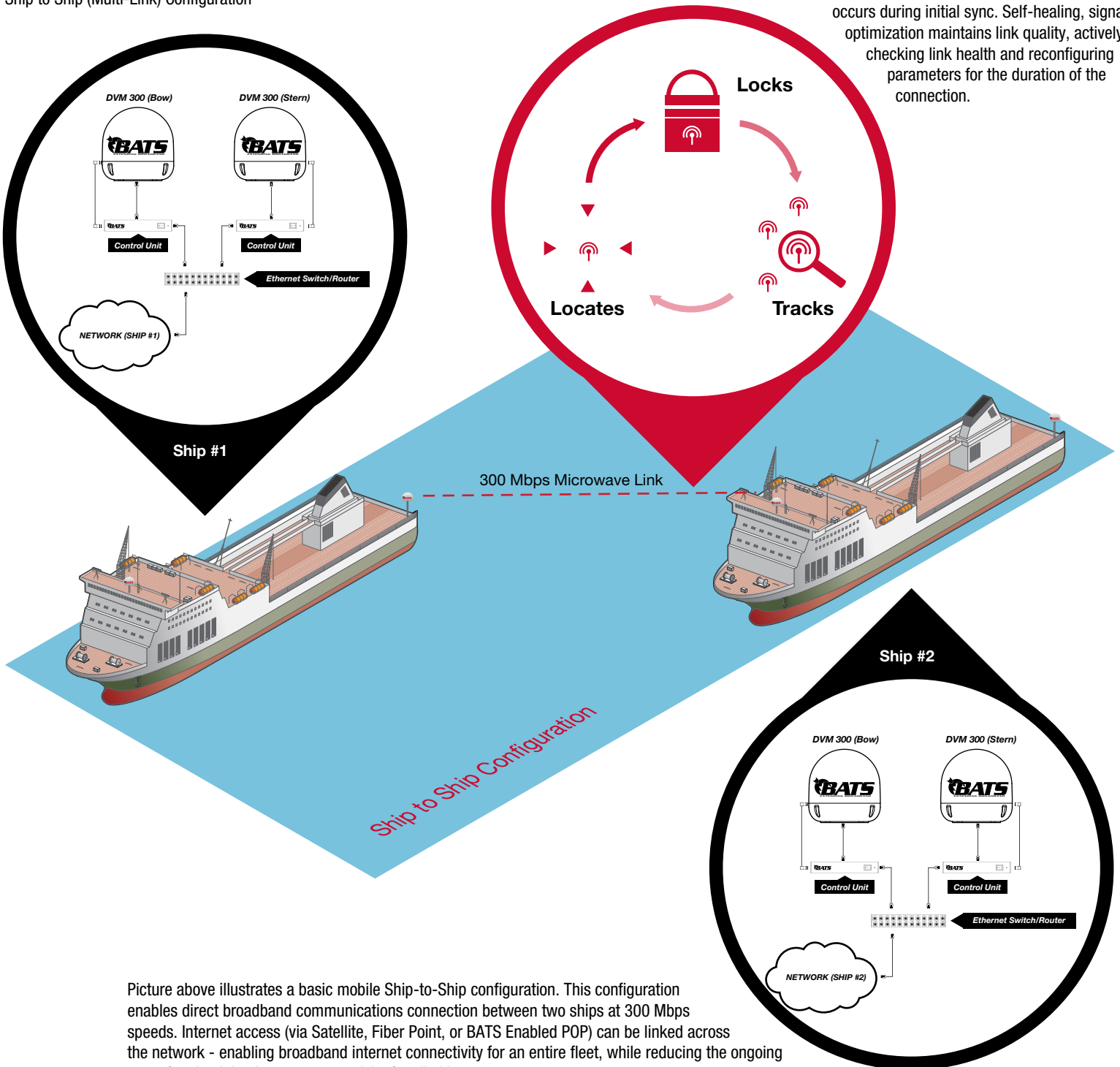


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System Configuration

Example based on AMATS 300 Tracking & Stabilization System
Ship to Ship (Multi-Link) Configuration

Wireless signal acquisition and calibration occurs during initial sync. Self-healing, signal optimization maintains link quality, actively checking link health and reconfiguring parameters for the duration of the connection.



Picture above illustrates a basic mobile Ship-to-Ship configuration. This configuration enables direct broadband communications connection between two ships at 300 Mbps speeds. Internet access (via Satellite, Fiber Point, or BATS Enabled POP) can be linked across the network - enabling broadband internet connectivity for an entire fleet, while reducing the ongoing cost of maintaining internet connectivity for all ships.

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