

NOW! - Generation Three AzTrax **MARINE-SAT** **AzTrax®**

Direct Broadcast Satellite (DBS) Antenna Tracking System



- Ultra-Small 16 Inch Dish
- Light Weight
- Compact & Portable
- Ready for Temporary or Permanent Installation
- Easy-to-Use Remote Control
- Reliable Azimuth Tracking
- Stylized Cover
- Improved User Interface
- Built-in Diagnostics and Self Test
- Fully Marinized
- Works with DIRECTV or DISH Network Satellites
- Optional Stanchion, Rail & Rod Holder Mounts
- Satellite Telephone, Data & Fax Upgrades Available



MARINE SATELLITE SYSTEMS

PO Box 371, APG, MD 21005
(800) 828-5331 or (443) 417-4319

Single LNB System - \$1195

Tomorrow's Weather...

Updates when you need them. The MARINE-SAT AzTrax Antenna Tracking System lets you receive DirectTV or DISH Network DBS satellite programming aboard your boat when you're anchored or moored.

Winds and tides will alter your vessel's heading when you're anchored, moored, or even docked. Offsets as small as 2 degrees can result in loss of signal when using a standard 18" dish antenna - this can be overcome by combining the strengths of the AzTrax antenna tracker and the MARINE-SAT antenna.

The AzTrax tracking platform's solid-state compass measures antenna heading up to eight times a second, providing the servo-motor's variable-speed control algorithm the data needed to correct for any heading offset. Meanwhile the MARINE-SAT antenna's size and elliptical shape tolerates more than twice the pointing error of 18" antennas. The combined MARINE-SAT AzTrax System takes swinging on the anchor - even wakes and chop - in stride.



Designed for the Marine Environment

Expect years of trouble-free operation from your MARINE-SAT AzTrax System. All components are made from top-quality plastics and stainless steel. An O-ring rotary shaft seal makes the belt-driven motor unit suitable for extended use in the salt-water marine environment. AzTrax's clean design and white finish complement the finest yacht.

Your MARINE-SAT AzTrax System Includes:

- AzTrax heading-stabilized antenna platform
- MARINE-SAT Antenna with LNB feed
- Mounting plate
- System control unit
- Infrared remote control with batteries
- 12V lighter-socket power cord (AC optional)
- RG-6U antenna cable
- Full instructions

One-Touch Activation

Once your AzTrax System is installed, manually set your appropriate antenna elevation, according to your operating latitude and longitude. Future elevation changes are needed only if you significantly change your vessel's geographic position. Local cruisers often find that once set, elevation never changes.

Tracking activation is simple. Press on the infrared (IR) remote control: the system controller, with its easy-to-read LED indicator, displays antenna heading and tracking level. Setpoints are all easily modified with a few keystrokes on the remote. Most DBS remotes can even be programmed to control the AzTrax System directly.

Once activated, desired antenna position can be varied in $\pm 1^\circ$ or $\pm 10^\circ$ steps. Eight levels of dynamic tracking permit you to easily compensate for real-life conditions whether at the dock or on the hook.

Subsequent setups are even easier - the system remembers all your setup parameters and automatically returns to the last position and tracking level for truly one-touch activation.



Optional Stanchion Mount and Radar Arch Mounting Examples Shown

System Specifications

Power—12Vdc, 1A operating, 50mA standby (24Vdc or AC optional)

Tracking Speed—automatically variable, with maximum rate of $8^\circ/\text{sec}$

Tracking Algorithm—Up to eight samples per second, closed-loop servo control with user-selectable sensitivity settings

Size—Base 10 inches by 11 inches; Motor $8\frac{1}{2}$ inches in diameter, 6 inches tall; Antenna, 16 inch reflector, total overall system height, 26 inches

Material—White UV-Stabilized ABS with white PVC and stainless steel

Weight—15 lbs, including antenna

Control—Provided IR remote control or via programmable DBS receiver remote

Warranty—Full 1-year warranty on parts and labor; 30-day money-back guarantee

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www.mssat.com

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