

Scanstrut APT-150-SL-01

Scanstrut APT-150-SL-01 Starlink Aluminum PowerTower Instruction Manual

Model: APT-150-SL-01

1. INTRODUCTION

This instruction manual provides comprehensive guidance for the safe and effective installation, operation, and maintenance of the Scanstrut APT-150-SL-01 Starlink Aluminum PowerTower. Please read this manual thoroughly before installation and retain it for future reference. Adherence to these instructions will ensure optimal performance and longevity of your product.

2. PRODUCT OVERVIEW

The Scanstrut APT-150-SL-01 is an aluminum PowerTower designed to securely mount a Starlink High-Performance antenna on marine vessels. It facilitates precise positioning on various boat structures such as roofs, T-tops, flybridges, or radar arches. The design ensures optimal obstacle clearance and angles the Starlink antenna at 8 degrees for enhanced connectivity. Constructed from premium marine-grade aluminum with a durable 4-step marine paint system, it is built to withstand harsh marine environments. The PowerTower features pre-drilled mounting holes for direct attachment of the Starlink antenna and includes an integrated Scanstrut cable seal for waterproof installation without modifying the Starlink connector.

**SCANSTRUT —
STARLINK ALUMINIUM POWERTOWER**
150MM (6") HIGH



ENGINEERED FOR
STARLINK FLAT HIGH-PERFORMANCE

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Image 2.1: The Scanstrut APT-150-SL-01 PowerTower, engineered for Starlink Flat High-Performance antennas.

PAINT FINISHES

COMPLIES WITH THE UNIQUE SCANSTRUT
4-STEP MARINE PAINT SYSTEM



CRAFTED FROM
PREMIUM MARINE-GRADE ALUMINIUM

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Image 2.2: The PowerTower features a durable 4-step marine paint system and is crafted from premium marine-grade aluminum.

3. KEY FEATURES

- **Optimized Design:** Specifically engineered for Starlink High-Performance antennas.
- **Precise Mounting:** Allows for accurate installation on various boat structures (roof, T-top, flybridge, radar arch).
- **Optimal Connectivity:** Positions the Starlink antenna at an ideal 8-degree angle for best signal reception and obstacle clearance.
- **Easy Installation:** Features pre-drilled mounting holes for direct and secure attachment of the Starlink antenna to the PowerTower.
- **Waterproof Cable Management:** Includes an integrated Scanstrut cable seal, eliminating the need to cut the Starlink connector for waterproof installation.
- **Marine-Grade Construction:** Crafted from premium marine-grade aluminum with a unique 4-step marine paint system for superior durability in harsh marine environments.

GUARANTEES OBSTACLE CLEARANCE

AND POSITIONS YOUR STARLINK AT AN IDEAL 8 DEGREE ANGLE FOR OPTIMAL CONNECTIVITY



**EXPERTLY DESIGNED PRODUCTS
FOR OUTDOOR USE**

INCLUDES 3 YEAR LIMITED WARRANTY

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Image 3.1: The PowerTower ensures obstacle clearance and positions the Starlink at an ideal 8-degree angle for optimal connectivity.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of your Scanstrut APT-150-SL-01 PowerTower and Starlink antenna:

1. **Select Mounting Location:** Choose a suitable, flat, and structurally sound location on your powerboat's roof, T-top, flybridge, or radar arch. Ensure the location provides clear line-of-sight for the Starlink antenna and allows for proper cable routing.
2. **Prepare Mounting Surface:** Clean the mounting surface thoroughly. Mark the drilling points using the PowerTower base as a template.
3. **Drill Mounting Holes:** Carefully drill holes as marked. Ensure appropriate drill bit size for your fasteners (not included).
4. **Secure PowerTower:** Position the PowerTower over the drilled holes. Use appropriate marine-grade fasteners (bolts, washers, nuts) to secure the PowerTower firmly to the boat structure. Tighten all fasteners evenly to prevent stress points.
5. **Attach Starlink Antenna:** Align the Starlink High-Performance antenna with the pre-drilled mounting holes on the

top plate of the PowerTower. Secure the Starlink antenna using its provided fasteners. The PowerTower is designed for direct attachment without modification.

6. **Route Cables:** Guide the Starlink cable through the integrated Scanstrut cable seal located within the PowerTower. This seal ensures a waterproof entry point for the cable without requiring the Starlink connector to be cut. Ensure the cable is routed safely, away from sharp edges or moving parts, and secured to prevent chafing or damage.
7. **Final Inspection:** After installation, visually inspect all connections and fasteners to ensure they are secure. Verify that the Starlink antenna is stable and positioned correctly at the 8-degree angle.

INSTALL YOUR STARLINK WITH PRECISION ON THE ROOF, T-TOP, FLYBRIDGE, OR RADAR ARCH OF YOUR POWERBOAT



PRE-DRILLED MOUNTING HOLES
ALLOW STARLINK TO FASTEN STRAIGHT TO
THE POWERTOWER

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Image 4.1: The PowerTower allows for precise installation of your Starlink on various boat structures using pre-drilled mounting holes.

DESIGNED FOR
THE HARSH MARINE
ENVIRONMENT



SCANSTRUT PRODUCTS ARE USED ON
POWER BOATS, YACHTS AND MORE

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Image 4.2: The PowerTower is designed for the harsh marine environment and is suitable for powerboats and yachts.

5. OPERATING INSTRUCTIONS

The Scanstrut APT-150-SL-01 PowerTower is a passive mounting solution and requires no operational input once correctly installed. Its function is to provide a stable, secure, and optimally angled platform for your Starlink High-Performance antenna. Ensure the Starlink antenna is correctly seated and all cables are securely routed and protected.

6. MAINTENANCE

Regular maintenance will help preserve the appearance and functionality of your PowerTower:

- **Cleaning:** Periodically clean the PowerTower with fresh water and a mild, non-abrasive soap. Rinse thoroughly to remove any salt residue. Avoid using harsh chemicals or abrasive cleaning tools that could damage the paint finish.
- **Inspection:** Regularly inspect the PowerTower for any signs of corrosion, damage, or loose fasteners. Pay close attention to the mounting points and the cable seal area.

- **Fastener Check:** Annually, or after any significant impact or rough weather, check and re-tighten all mounting fasteners to ensure the PowerTower remains securely attached to your vessel.
- **Cable Seal:** Ensure the integrated cable seal remains intact and free from cracks or degradation to maintain its waterproof integrity.

7. TROUBLESHOOTING

Most issues related to the PowerTower are installation-dependent. Consider the following if you encounter problems:

- **Starlink Connectivity Issues:** If your Starlink experiences intermittent or poor connectivity, first verify that there are no new obstructions (e.g., new equipment, sails, rigging) blocking the antenna's field of view. Confirm the antenna is still securely mounted at the intended 8-degree angle.
- **Loose PowerTower:** If the PowerTower feels loose or unstable, immediately check all mounting fasteners. Re-tighten them according to the installation instructions. Do not operate your vessel with a loose mount.
- **Water Ingress:** If you suspect water is entering through the cable entry point, inspect the integrated Scanstrut cable seal for damage or improper installation. Ensure the cable is correctly seated within the seal.
- **Corrosion:** While designed for marine environments, prolonged exposure to harsh conditions without proper maintenance can lead to corrosion. Refer to the maintenance section for cleaning and inspection procedures.

8. SPECIFICATIONS

Manufacturer	Scanstrut
Brand	Scanstrut
Model Name	APT-150-SL-01
Product Dimensions (L x W x H)	22.66 x 45.49 x 37.01 cm (8.92 x 17.91 x 14.57 inches)
Item Model Number	APT-150-SL-01
Product Weight	4.05 kg (8.93 lbs)
Color	Silver
Material	Premium Marine-Grade Aluminum

9. WARRANTY AND SUPPORT

The Scanstrut APT-150-SL-01 PowerTower comes with a **3-year limited warranty**. This warranty covers defects in materials and workmanship under normal use. For detailed warranty terms and conditions, or for technical support and service, please contact your authorized Scanstrut dealer or visit the official Scanstrut website. Please have your product model number (APT-150-SL-01) and proof of purchase available when seeking support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question