

Comet AD-35M

Comet AD-35M Antenna Mount Adapter User Manual

Model: AD-35M

1. INTRODUCTION

The Comet AD-35M is a robust antenna mount adapter designed to facilitate the connection of antennas with a 3/8"-24 threaded stud to equipment or mounts featuring a UHF Female (SO-239) connector. This adapter provides a secure and reliable interface for various radio communication setups, particularly for mobile and HF antenna applications.

2. PRODUCT FEATURES

- **Connector Conversion:** Seamlessly converts a UHF Female (SO-239) connection to a 3/8"-24 threaded stud.
- **Broad Compatibility:** Ideal for use with a wide range of mobile and HF antennas.
- **Durable Construction:** Manufactured from heavy-duty metal for long-lasting performance and reliability.
- **Integrated Grounding Screw:** Features a dedicated screw for establishing a solid ground connection, enhancing signal integrity and safety.
- **Compact Design:** Engineered for easy integration into existing mobile mounting systems.

3. SETUP AND INSTALLATION

Follow these steps to properly install your Comet AD-35M antenna mount adapter:

1. **Identify Connectors:** Locate the UHF Female (SO-239) port on your antenna mount or coaxial cable and the 3/8"-24 threaded stud on your antenna.
2. **Connect to Mount/Cable:** Screw the UHF Male end of the AD-35M adapter into the UHF Female (SO-239) port. Ensure it is hand-tightened securely.
3. **Connect Antenna:** Screw the 3/8"-24 threaded stud of your antenna onto the corresponding threaded end of the AD-35M adapter. Hand-tighten until snug.
4. **Establish Ground (Recommended):** Utilize the integrated grounding screw on the side of the adapter. Connect a suitable ground wire from this screw to a reliable chassis ground or ground plane. This step is

crucial for optimal performance and safety.



Figure 1: View of the Comet AD-35M adapter, illustrating the UHF Female (SO-239) connector end. This is where your coaxial cable or mount with a UHF Male connector will attach.



Figure 2: View of the Comet AD-35M adapter, highlighting the 3/8"-24 threaded stud for antenna attachment and the side-mounted grounding screw for electrical connection to a ground plane or chassis.

4. OPERATING INSTRUCTIONS

The Comet AD-35M is a passive adapter and does not require active operation. Its function is to provide a stable mechanical and electrical connection between your antenna and radio system. Once installed, ensure the connections remain secure for consistent performance.

- **Secure Connections:** Verify that all connections are tight to prevent signal loss or intermittent operation.
- **Grounding:** Confirm that the grounding screw, if utilized, maintains a solid electrical contact with the

ground source.

5. MAINTENANCE

To ensure the longevity and optimal performance of your AD-35M adapter, consider the following maintenance guidelines:

- **Regular Inspection:** Periodically inspect the adapter and its connections for any signs of wear, corrosion, or physical damage.
- **Cleanliness:** Keep the connector surfaces clean and free from dirt, moisture, and debris. Use a soft, dry cloth for cleaning.
- **Tightness Check:** Over time, vibrations or environmental factors can loosen connections. Periodically check and re-tighten all connections, including the grounding screw, to ensure they remain snug.
- **Environmental Protection:** If used in harsh outdoor environments, consider applying weather-proofing measures (e.g., self-amalgamating tape) to exposed connections to prevent moisture ingress.

6. TROUBLESHOOTING

If you experience issues with your antenna system after installing the AD-35M adapter, consider these troubleshooting steps:

- **Poor Signal or High SWR:**
 - Ensure all connections are fully tightened. Loose connections are a common cause of signal degradation.
 - Inspect the adapter and connected cables for any visible damage or corrosion.
 - Verify that the grounding connection is secure and making good electrical contact.
- **Physical Instability:**
 - Confirm that the antenna and mount are securely fastened to the adapter.
 - Check the integrity of the antenna mount itself.

7. SPECIFICATIONS

Model Number	AD-35M
Connector Type 1	UHF Male (for SO-239 connection)
Connector Type 2	3/8"-24 Threaded Stud
Material	Heavy-duty metal construction
Item Weight	6.2 ounces (approx. 176 grams)
Product Dimensions	6.5 x 3 x 1 inches (approx. 16.5 x 7.6 x 2.5 cm)
Manufacturer	Comet

8. WARRANTY INFORMATION

The Comet AD-35M Antenna Mount Adapter is covered by a **1-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For warranty claims or further

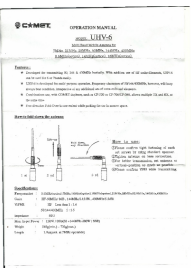
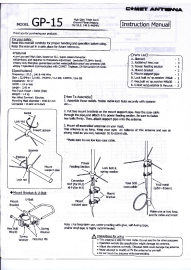
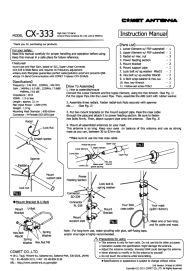
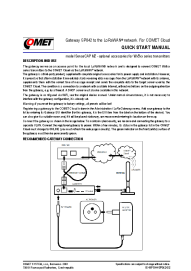
details, please retain your proof of purchase and contact Comet customer support.

9. SUPPORT

For technical assistance, product inquiries, or support regarding your Comet AD-35M adapter, please refer to the official Comet website or contact their customer service department. Ensure you have your product model number (AD-35M) available when seeking support.

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Related Documents - AD-35M

	<p>Comet UHV-6 Multi Band Mobile Antenna Operation Manual</p> <p>This operation manual provides comprehensive details for the Comet UHV-6 Multi Band Mobile Antenna. It covers features, specifications, frequency adjustment procedures, wiring examples with duplexers, maintenance guidelines, and customer support information for amateur radio operators.</p>
	<p>Comet GP-15 Antenna Instruction Manual: High Gain Triple Band Ground Plane</p> <p>This manual provides instructions for the Comet GP-15, a high-gain triple-band ground plane antenna designed for ham radio use on 52.5, 146, and 446 MHz frequencies. It covers features, specifications, assembly, and precautions.</p>
	<p>COMET CX-333 Tri-Band Antenna User Manual</p> <p>User manual for the COMET CX-333 Tri-Band Antenna, detailing features, specifications, assembly instructions, and precautions for ham radio use.</p>
	<p>COMET Gateway SP042: Quick Start Guide for LoRaWAN Network and COMET Cloud Integration</p> <p>Get started with the COMET Gateway SP042, your access point for LoRaWAN networks. This quick start manual guides you through setup, connection, and registration with the COMET Cloud for Wx9xx series transmitters.</p>

[COMET UxxxxM Dataloggers with GSM Modem Quick Start Manual](#)

Quick start guide for COMET UxxxxM series dataloggers featuring GSM modem. Learn about product description, installation, operation, and technical specifications for measuring and recording physical and electric quantities.

COMET Wx8xxP Series SIGFOX Transmitters: Instructions for Use

User manual for COMET Wx8xxP series SIGFOX network transmitters. Learn about installation, operation, technical parameters, and maintenance for models measuring temperature, humidity, voltage, and pulse counts.