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› Leadzm TA-001 Outdoor TV Antenna User Manual

Leadzm TA-001

Leadzm TA-001 360° Rotation Outdoor TV Antenna User Manual

Model: TA-001

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Leadzm TA-001 360° Rotation Outdoor TV Antenna. Designed for optimal signal reception, this antenna supports both VHF and UHF frequencies, offering a wide reception range. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

PACKAGE CONTENTS

Before proceeding with installation, please verify that all components listed below are present in your package:

- 1 x Leadzm TA-001 Outdoor TV Antenna (Main Body)
- 1 x Coaxial Cable (8 meters / 26.2 feet)
- 1 x Power Supply Unit
- 1 x Remote Control Set
- 1 x User Manual (this document)

What's in the Packing Box

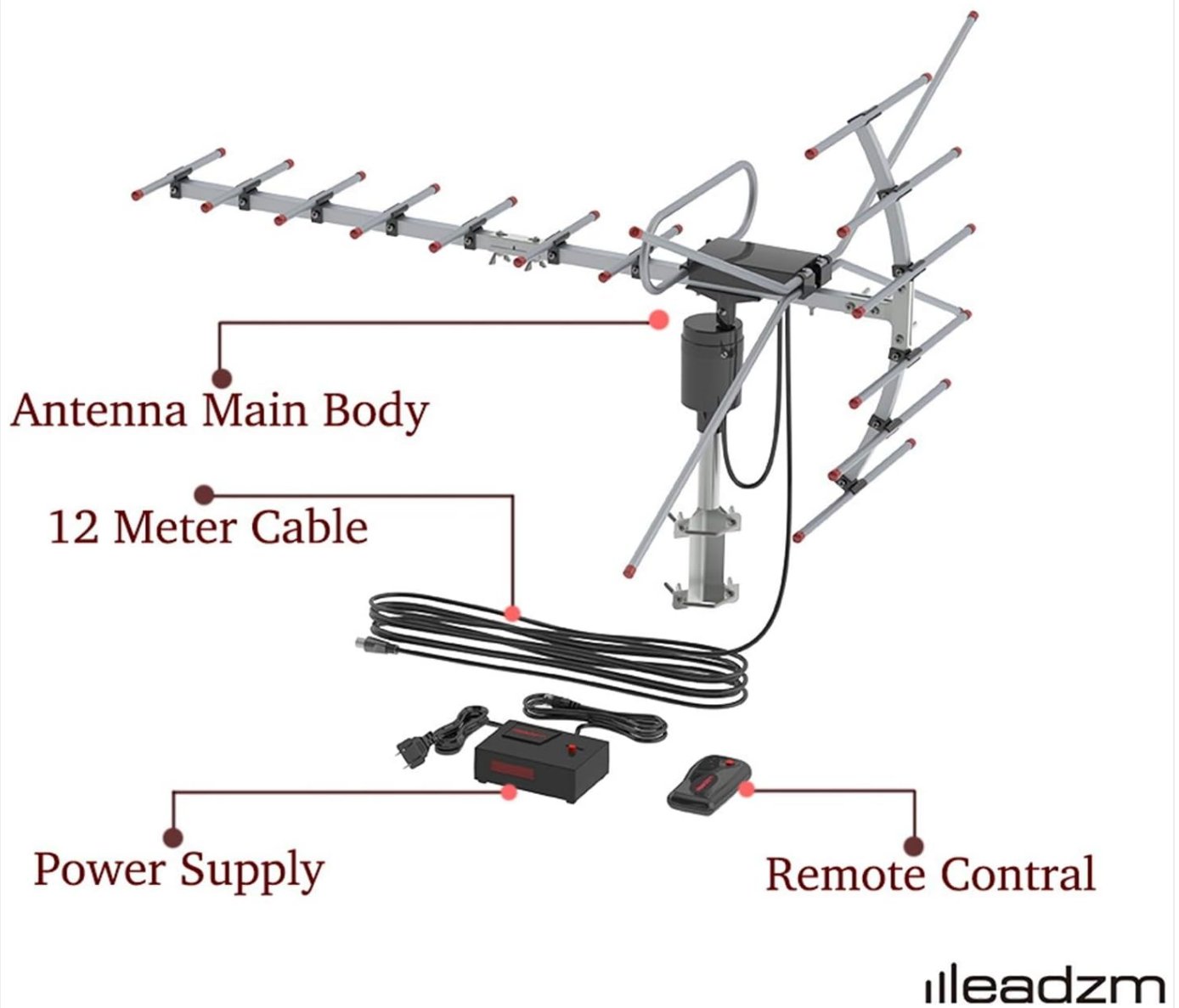


Figure 1: Components included in the Leadzm TA-001 antenna package. This image displays the main antenna unit, an 8-meter coaxial cable, the power supply unit, and the remote control, illustrating all items a user should expect to find.

PRODUCT FEATURES

- **Durable Construction:** Made from high-quality plastic and aluminum materials, ensuring longevity and practical use in outdoor environments.
- **360° Rotation:** Features a motorized 360-degree rotation capability, allowing for optimal signal acquisition from various directions.
- **Wide Frequency Range:** Supports VHF (45-230MHz) and UHF (470-860MHz) frequencies for comprehensive digital signal reception.
- **High Gain:** Provides a gain of 15dBi for VHF and 22dBi for UHF, enhancing signal strength.
- **Extended Reception Range:** Capable of receiving signals up to 110 miles, depending on terrain and broadcast tower location.
- **Low Power Consumption:** Designed for energy efficiency.
- **UV and Water Resistance:** Constructed with materials that resist UV degradation and water exposure, suitable for outdoor installation.

Reception Amplified, Outdoor TV Antenna

Larger Deployment Size, Higher Performance



Figure 2: The Leadzm TA-001 antenna shown mounted on a residential building, emphasizing its robust design with icons indicating UV resistance, overall durability, and water resistance, making it suitable for various weather conditions.

SPECIFICATIONS

Parameter	Value
Brand	Leadzm
Model	TA-001
Frequency Range	VHF: 45-230MHz / UHF: 470-860MHz
Gain	VHF: 15dBi / UHF: 22dBi
Impedance	75 Ω
Standing Wave Ratio (SWR)	<2.5

Parameter	Value
Channels Supported	UHF 21-69 for Digital Signals
Reception Range	Up to 110 Miles
Color	Black
Material	Plastic Aluminum
Product Dimensions (L x W x H)	11.28 x 10.93 x 7.4 inches
Coaxial Cable Length	8 meters (approx. 26.2 feet)
UPC	729494045945

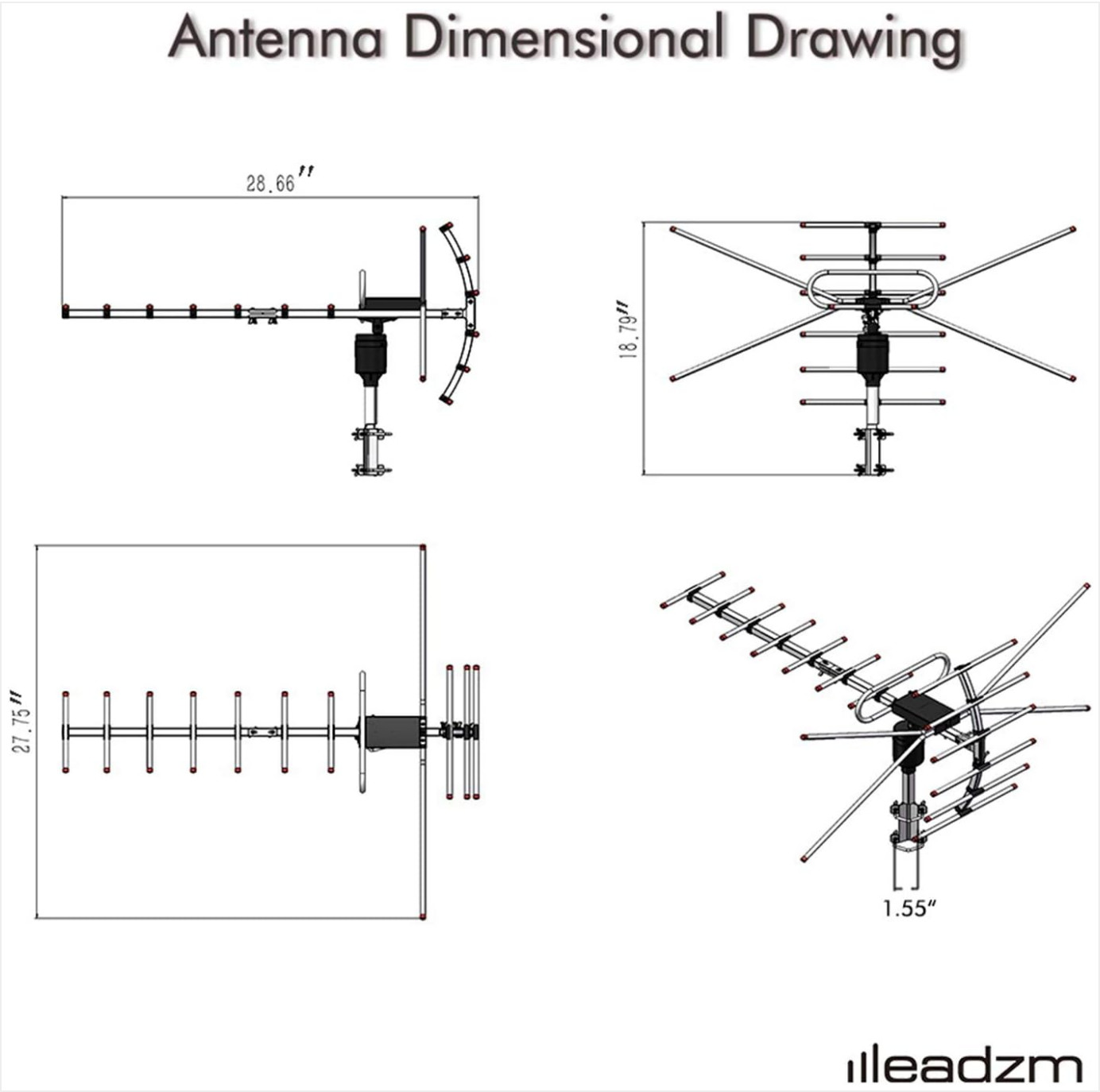


Figure 3: Technical drawing illustrating the key dimensions of the Leadzm TA-001 antenna, including its length, width, and height, which are crucial for planning installation space.

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. This antenna is designed for outdoor use. Consider the following steps:

1. **Choose a Location:** Select an outdoor location that is as high as possible and free from obstructions (trees, buildings) that could block signals. A rooftop or mast is ideal.
2. **Assemble the Antenna:** Follow the assembly instructions provided in the separate assembly guide (if applicable) or refer to the visual diagrams. Ensure all elements are securely fastened.
3. **Mount the Antenna:** Securely mount the antenna to a sturdy pole or mast using appropriate mounting hardware (not always included, may require separate purchase). Ensure it is level and stable.
4. **Connect Coaxial Cable:** Connect one end of the supplied 8-meter coaxial cable to the antenna's output port. Route the cable safely into your home, avoiding sharp bends or kinks.
5. **Connect to Power Supply and TV:** Connect the other end of the coaxial cable to the "Antenna In" port on the power supply unit. Then, connect a shorter coaxial cable (not included) from the "TV Out" port on the power supply unit to the "Antenna In" or "RF In" port on your television or digital converter box. Plug the power supply unit into a standard electrical outlet.

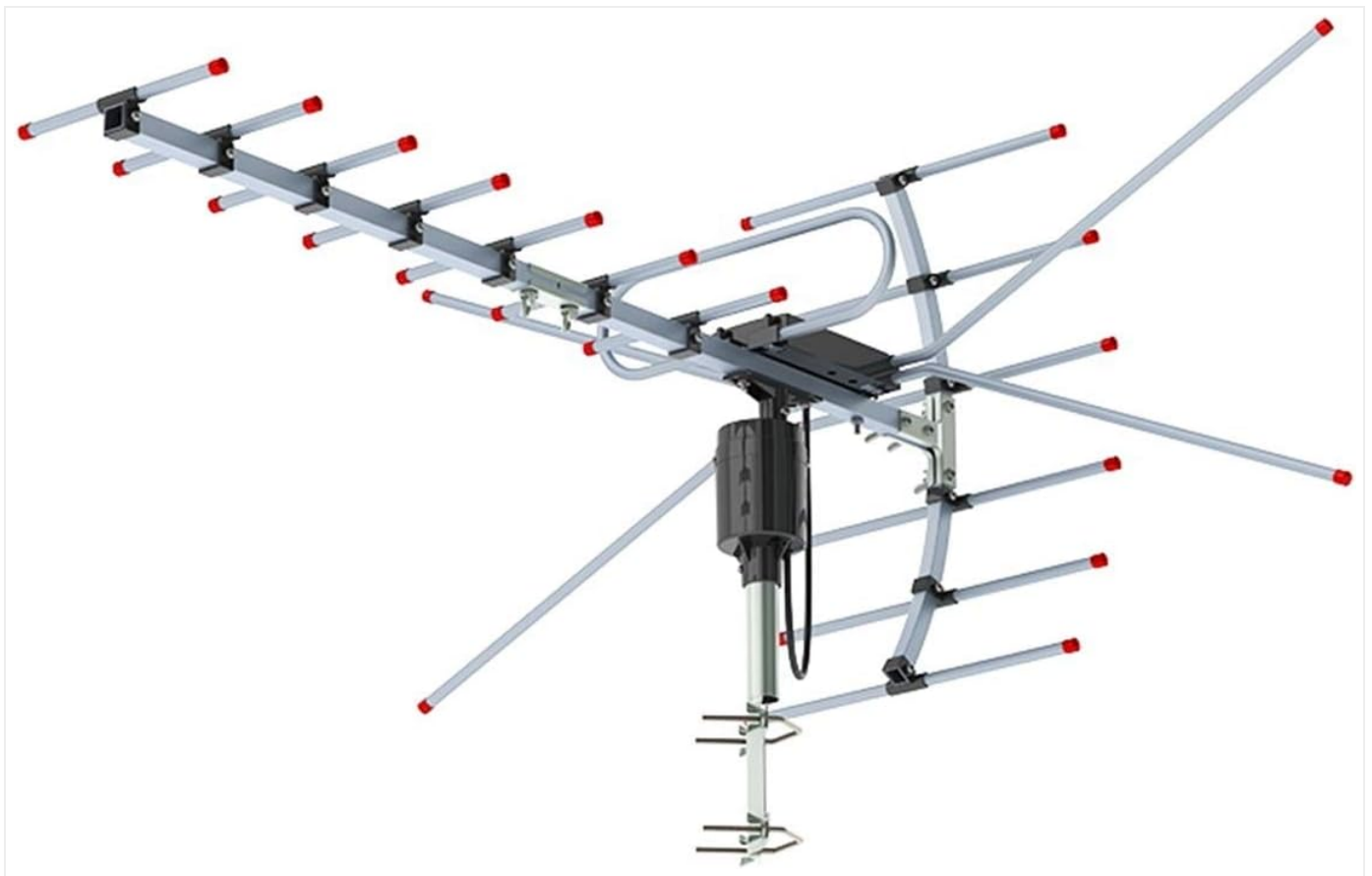


Figure 4: A detailed view of the Leadzm TA-001 outdoor TV antenna, showcasing its full assembly and design, which is essential for understanding its physical structure during installation.

OPERATING INSTRUCTIONS

Once the antenna is installed and connected, follow these steps to operate it:

1. **Power On:** Ensure the power supply unit is plugged in and receiving power.
2. **Perform Channel Scan:** Access your television's menu and navigate to the "Channel Scan," "Auto Tune," or "Antenna Setup" option. Initiate a full channel scan to detect available over-the-air broadcasts.
3. **Use Remote Control for Rotation:** Use the provided remote control to rotate the antenna 360 degrees. As the antenna rotates, your television's signal meter (if available) or picture quality will indicate the best direction for reception.

4. **Optimize Signal:** Rotate the antenna slowly until you achieve the strongest signal for your desired channels. You may need to perform multiple scans or fine-tune the antenna direction for different sets of channels.

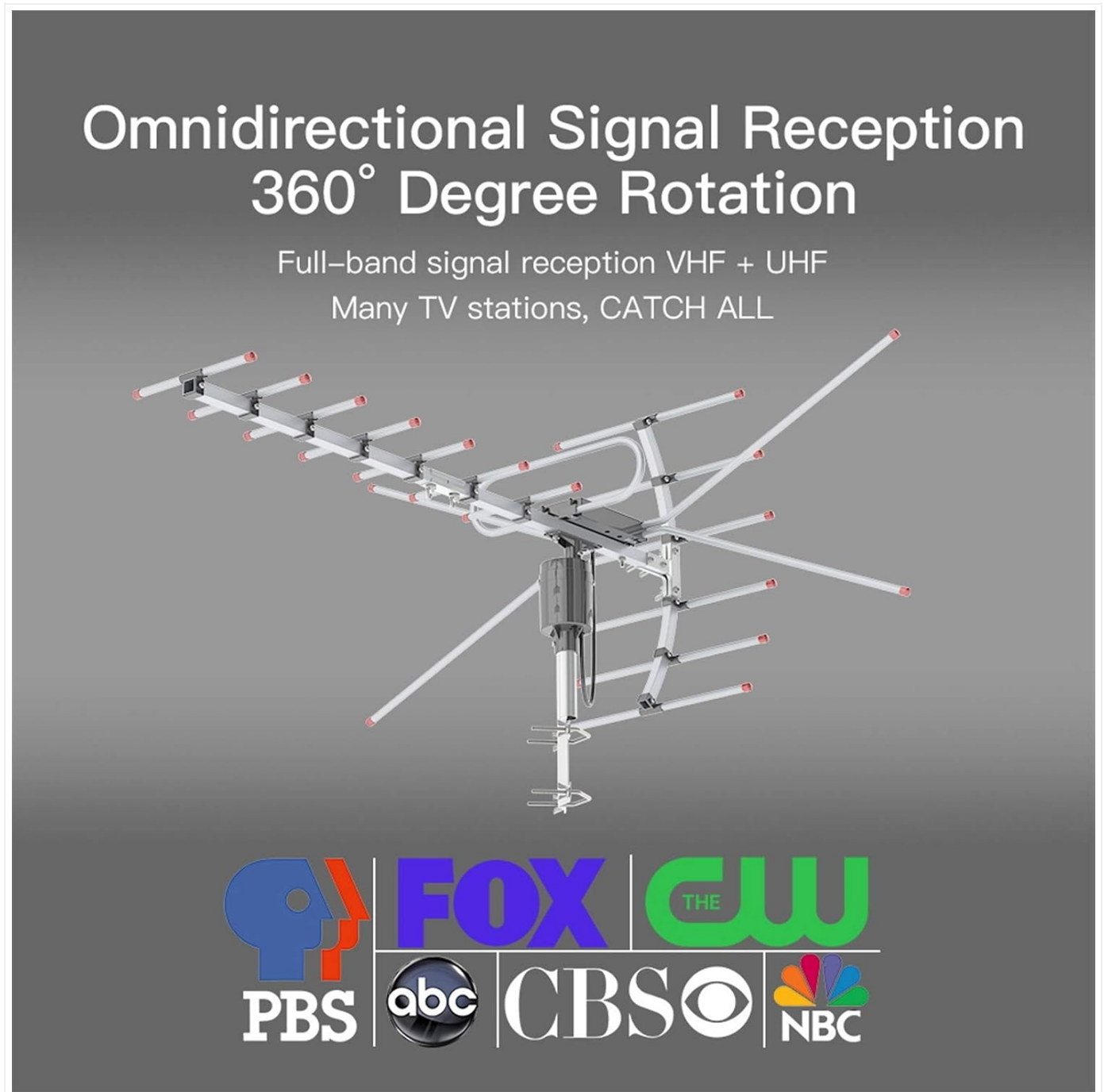


Figure 5: This image illustrates the antenna's capability for 360-degree omnidirectional signal reception, showing its ability to capture signals from various directions and support reception for major TV networks like PBS, FOX, CW, ABC, CBS, and NBC.

MAINTENANCE

The Leadzm TA-001 antenna is designed for durability and minimal maintenance. However, periodic checks can ensure long-term performance:

- **Visual Inspection:** Periodically inspect the antenna, mounting hardware, and coaxial cable for any signs of wear, damage, or corrosion, especially after severe weather conditions.
- **Cleaning:** If necessary, gently clean the antenna elements with a soft, damp cloth to remove dirt, dust, or debris. Do not use harsh chemicals or abrasive materials.
- **Cable Integrity:** Ensure the coaxial cable remains securely connected and free from cracks or damage that could affect signal quality.

- **Motor Function:** Occasionally test the 360° rotation function using the remote control to ensure the motor is operating smoothly.



Figure 6: This image highlights the advanced material properties of the Leadzm TA-001 antenna, including its construction from PP New Plastic, and its resistance to UV radiation, aging, and low temperatures, along with being non-toxic and eco-friendly, contributing to its low maintenance requirements.

TROUBLESHOOTING

If you experience issues with your antenna, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No Signal or Poor Picture Quality	Incorrect antenna orientation, loose cable connections, obstructions, or weak signal area.	◦ Use the remote control to slowly rotate the antenna to find the optimal direction. ◦ Ensure all coaxial cable connections are tight and secure. ◦ Perform a new channel scan on your TV. ◦ Check for new obstructions (e.g., new buildings, tree growth).
Antenna Not Rotating	Power supply issue, remote control battery dead, or motor malfunction.	◦ Verify the power supply unit is plugged in and receiving power. ◦ Replace batteries in the remote control. ◦ Ensure the cable connecting the antenna to the power supply is not damaged.
Missing Channels	Incomplete channel scan, antenna not pointed correctly for all channels, or specific channels are out of range.	◦ Perform a full channel scan on your TV. ◦ Adjust antenna direction and rescan. Some channels may broadcast from different directions. ◦ Check online resources for local broadcast tower locations to help aim the antenna.

WARRANTY AND SUPPORT

Warranty information for the Leadzm TA-001 antenna is typically provided with the product packaging or can be found on the official Leadzm website. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance beyond this manual, or warranty inquiries, please contact Leadzm customer service through their official website or the contact information provided on the product packaging.

Note: Unauthorized disassembly or modification of the antenna may void the product warranty.

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