

Five Star ES-IT18-EM24

Five Star Outdoor 150 Mile Motorized 360 Degree Rotation Amplified HDTV Antenna User Manual

Model: ES-IT18-EM24

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Five Star Outdoor 150 Mile Motorized 360 Degree Rotation Amplified HDTV Antenna. This antenna is designed to receive free over-the-air (OTA) digital television signals, supporting resolutions up to 4K, 1080p, 1080i, and 720p, as well as VHF and UHF frequencies. Its motorized rotation and built-in amplifier enhance signal reception and flexibility.

2. PACKAGE CONTENTS

Please verify that all components listed below are included in your package. If any items are missing or damaged, please contact customer support.

- Outdoor HDTV Antenna
- Control Box
- Wireless Remote Control
- Power Supply (AC/AC Adapter)
- 40 ft RG6 Coaxial Cable
- Instruction Manual

Note: A mounting pole is not included and must be purchased separately.



Image 2.1: All components included in the Five Star Outdoor HDTV Antenna package.

3. SAFETY INFORMATION

Read all instructions carefully before installation and use. Keep this manual for future reference.

- **Outdoor Installation:** Ensure the antenna is securely mounted to prevent falling due to wind or other weather conditions.
- **Lightning Protection:** This antenna is designed with lightning protection. However, for added safety, consider installing a lightning arrestor and proper grounding according to local electrical codes.
- **Power Supply:** Use only the provided power supply. Do not expose the power supply or control box to moisture.
- **Cable Management:** Route coaxial cables safely to avoid tripping hazards and damage.
- **Electrical Safety:** Do not attempt to open or repair the control box or power supply. Refer all servicing to

qualified personnel.

4. SETUP AND INSTALLATION

4.1 Antenna Assembly

The antenna features a snap-on installation design, requiring no tools for assembly of the main elements. Follow the visual instructions provided in the package for connecting the antenna elements to the main unit.



Image 4.1: Close-up view of the antenna elements, designed for snap-on assembly.

4.2 Mounting Location

For optimal reception, install the antenna in an elevated outdoor location with a clear line of sight to broadcasting towers. Avoid obstructions such as buildings, trees, or hills. The antenna is weather-resistant and designed for outdoor use.

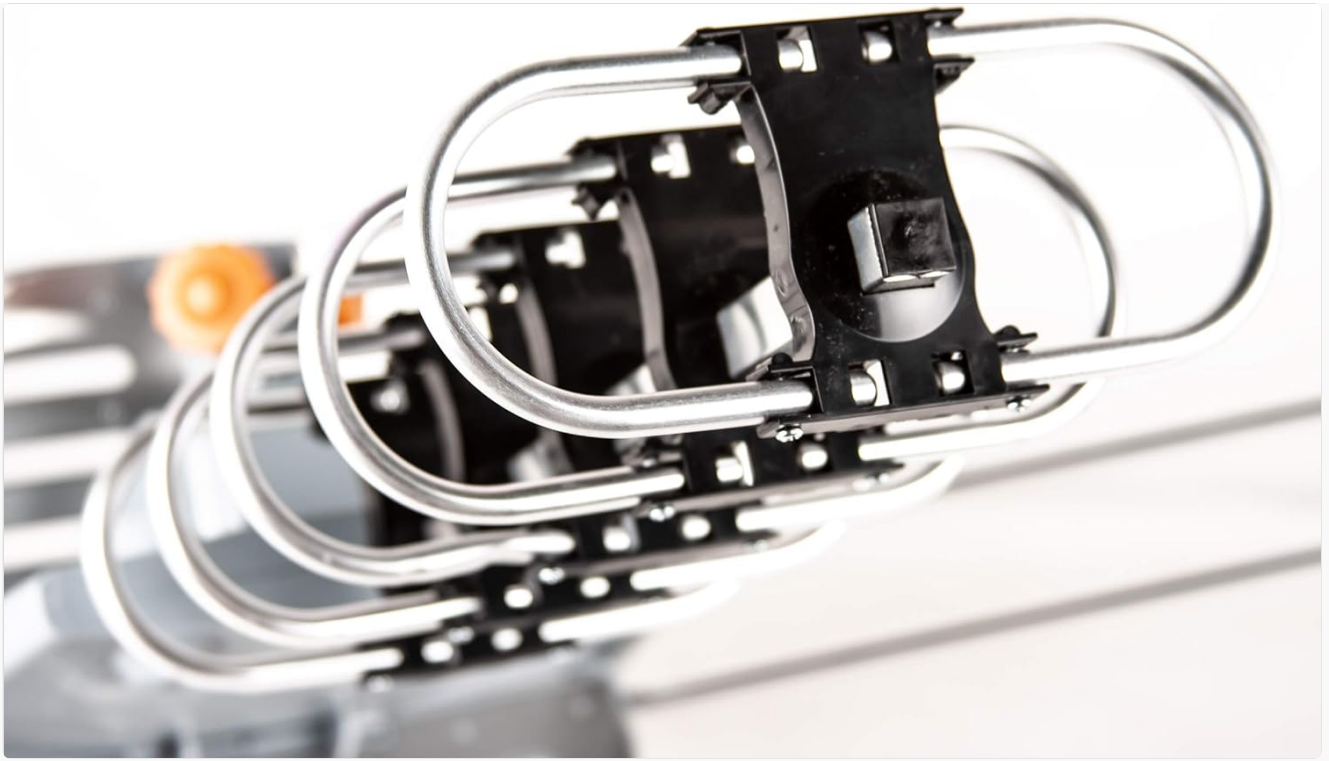


Image 4.2: Example of the Five Star Outdoor HDTV Antenna mounted on a residential roof for optimal signal reception.

4.3 Connecting the Antenna System

1. **Connect Antenna to Control Box:** Attach one end of the provided 40ft RG6 coaxial cable to the antenna's output port. Connect the other end of this cable to the "ANT IN" port on the control box.
2. **Connect Control Box to TV(s):**
 - For a single TV: Connect a coaxial cable (not included) from the "TV1" port on the control box to the "ANT/IN" or "CABLE/IN" port on your television.
 - For two TVs: Connect a coaxial cable from the "TV1" port to the first TV and another coaxial cable from the "RF IN/TV2" port to the second TV.
3. **Connect Power:** Plug the AC/AC adapter into the "AC IN" port on the control box, then plug the adapter into a standard electrical outlet. The power indicator on the control box should illuminate.



Image 4.3: Connection diagram illustrating how to connect the antenna, control box, and up to two televisions.

5. OPERATING INSTRUCTIONS

5.1 Channel Scan

After connecting the antenna system, perform a channel scan on your television to find available digital channels.

1. Turn on your television and select the correct input source (e.g., "TV," "Antenna," or "Air").
2. Navigate to your TV's menu, usually labeled "Settings," "Setup," or "Channel."
3. Select "Channel Scan," "Auto Program," or "Auto Tune." Ensure the input type is set to "Antenna" or "Air," not "Cable."
4. Allow the TV to complete the scan. This process may take several minutes.

The antenna's built-in super low noise amplifier and automatic gain control (AGC) technology optimize signal reception for clear HD image quality across VHF (170-230MHz) and UHF (470-860MHz) frequencies.

V-Frequency Vibrator X5

V-Frequency Vibrator

AC/AC Adaptor

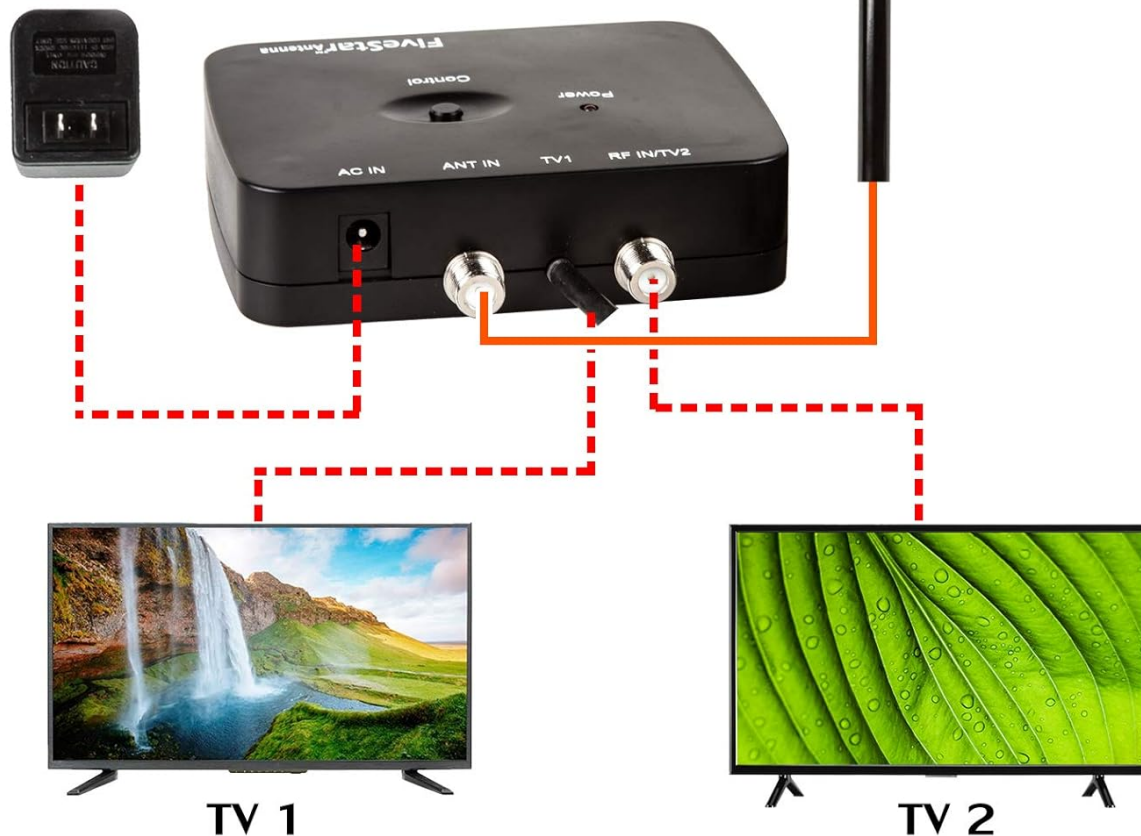


Image 5.1: The control box features an upgraded smart chip with Automatic Gain Control (AGC) and an LTE filter for enhanced signal quality.

5.2 Using the Remote Control for Antenna Rotation

The included wireless remote control allows you to rotate the antenna 360 degrees to optimize signal reception for different broadcasting towers.

1. Point the remote control towards the control box.
2. Press the "Control" buttons on the remote to rotate the antenna clockwise or counter-clockwise.
3. While rotating, monitor your TV screen for signal strength and picture quality. Stop rotating when you achieve the best possible reception for your desired channels.



360 Degree Motorized Rotation Wireless Remote

Image 5.2: The wireless remote control enables 360-degree motorized rotation of the antenna for precise signal targeting.

6. MAINTENANCE

- **Regular Inspection:** Periodically check the antenna and its mounting hardware for any signs of wear, corrosion, or damage, especially after severe weather.
- **Cable Integrity:** Ensure all coaxial cable connections are tight and free from damage. Replace any frayed or damaged cables.
- **Cleaning:** Gently clean the antenna elements with a soft, damp cloth if dirt or debris accumulates. Do not use harsh chemicals or abrasive cleaners.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No signal or poor picture quality	Loose cable connections. Antenna not pointed correctly. Obstructions blocking signal. TV not set to antenna input. No channel scan performed.	Check and tighten all coaxial cable connections. Use the remote control to rotate the antenna and perform a new channel scan. Ensure the antenna has a clear line of sight to broadcast towers. Verify your TV's input is set to "Antenna" or "Air." Perform a full channel scan on your TV.
Remote control not working	Dead batteries. Obstruction between remote and control box.	Replace batteries in the remote control. Ensure a clear path between the remote and the control box.
Antenna not rotating	Power issue to control box. Coaxial cable connection issue.	Check if the control box power indicator is on. Ensure the power adapter is securely plugged in. Verify the coaxial cable from the antenna to the control box is securely connected.

8. SPECIFICATIONS

Model Number	ES-IT18-EM24
Brand	Five Star
Antenna Type	Outdoor Amplified HDTV Antenna
Frequency Range	VHF 170~230MHz, UHF 470~860MHz
Maximum Range	Up to 150 Miles (actual range may vary)
Rotation	360 Degree Motorized with Wireless Remote Control
Amplifier Gain	25-35dB (with Automatic Gain Control)
Output Support	Dual TV Outputs
HDTV Support	720p, 1080i, 1080p, 4K
Impedance	75 Ohm
Product Dimensions	17 x 14 x 5 inches
Item Weight	4.59 pounds
UPC	840449112441

9. WARRANTY AND SUPPORT

For warranty information or technical assistance, please contact Five Star customer support. Refer to the contact information provided on the product packaging or the official Five Star website.
Please retain your proof of purchase for warranty claims.

Related Documents - ES-IT18-EM24

	<p>EPIC Digital Door Lock User Manual and Features Guide</p> <p>Comprehensive guide to EPIC digital door locks, covering product line-up, registration, deletion, settings, and advanced features. Learn how to manage PINs, RFID cards, fingerprints, and remote controls for enhanced security.</p>
	<p>EPIC Digital Door Lock User Manual - Features, Registration, and Operation</p> <p>Comprehensive user manual for EPIC digital door locks, detailing product lineup, registration and deletion procedures for PINs, RFID cards, fingerprints, and remote controls. Covers various settings, functions, alarms, and self-diagnosis for enhanced security and convenience.</p>
	<p>EPIC Digital Door Lock User Manual - Features and Operation Guide</p> <p>Comprehensive user manual for EPIC digital door locks, detailing product lineup, registration and deletion procedures for PINs, RFID cards, fingerprints, and remote controls, along with various operational modes and troubleshooting information.</p>
	<p>Icom IC-92AD VHF/UHF Digital Transceiver Instruction Manual</p> <p>Comprehensive instruction manual for the Icom IC-92AD VHF/UHF Digital Transceiver, covering features, operation, precautions, and accessories.</p>
	<p>Jackson ES Series Rack Conveyor Dishmachines Installation & Operation Manual</p> <p>This comprehensive manual provides essential information for the installation, operation, and maintenance of Jackson's ES Series Rack Conveyor Dishmachines. It covers models ES-4400, ES-6600, and ES-8000, detailing specifications, electrical requirements, plumbing, troubleshooting, and parts.</p>

Comprehensive owner's guide for Mitsubishi Unisen LED LCD HDTVs (154, 164, 265 Series) covering setup, features like 1080p HD, StreamTV, Sound Projector, and home-theater control. Includes safety and support information.