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Five Star FSA-5809

Five Star Outdoor HDTV Antenna User Manual

Model: FSA-5809 / ASIN: B07P9CSWZW

Brand: Five Star

INTRODUCTION

The Five Star Outdoor HDTV Antenna is designed to provide high-definition digital television reception for UHF, VHF, and FM radio signals. Featuring a motorized 360-degree rotation and a remote control, it allows for optimal signal acquisition from various directions. This manual provides detailed instructions for assembly, installation, operation, and maintenance to ensure the best performance from your antenna.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- Antenna Unit (Base Element and Director Element)
- Control Box
- Remote Control
- UL-Listed Power Supply for Control Box
- 40ft RG6 Coaxial Cable
- 4-Way Splitter
- Mounting Harness
- Cable Clips
- Screws for Antenna Assembly
- Instruction Manual (this document)



Image: The Five Star Outdoor HDTV Antenna with its main components including the antenna unit, control box, remote, coaxial cable, and splitter.

SETUP AND INSTALLATION

The antenna is designed for outdoor use and comes with pre-assembled parts for easier setup. Follow these steps carefully for proper installation and optimal performance.

1. Antenna Assembly

1. **Open Receiving Elements:** Carefully unfold the receiving elements on the base element.
2. **Open Director Element:** Unfold the director element to its full length.
3. **Attach Director Element to Base Element:** Align and attach the director element to the base element. Secure it with the provided screws.
4. **Open Reflector Panels:** Unfold the reflector panels on the base unit.
5. **Attach 360° Motor:** Securely attach the 360-degree motor to the designated slot on the antenna base using

the provided screws.

6. **Connect Coaxial Cable to Antenna:** Connect one end of the 40ft RG6 coaxial cable to the antenna's coaxial input. Slide the waterproof cover over the connection.
7. **Attach J Pole Mount (if applicable):** If using a J-pole (not included in all kits), insert it into the antenna's mounting point and secure it.

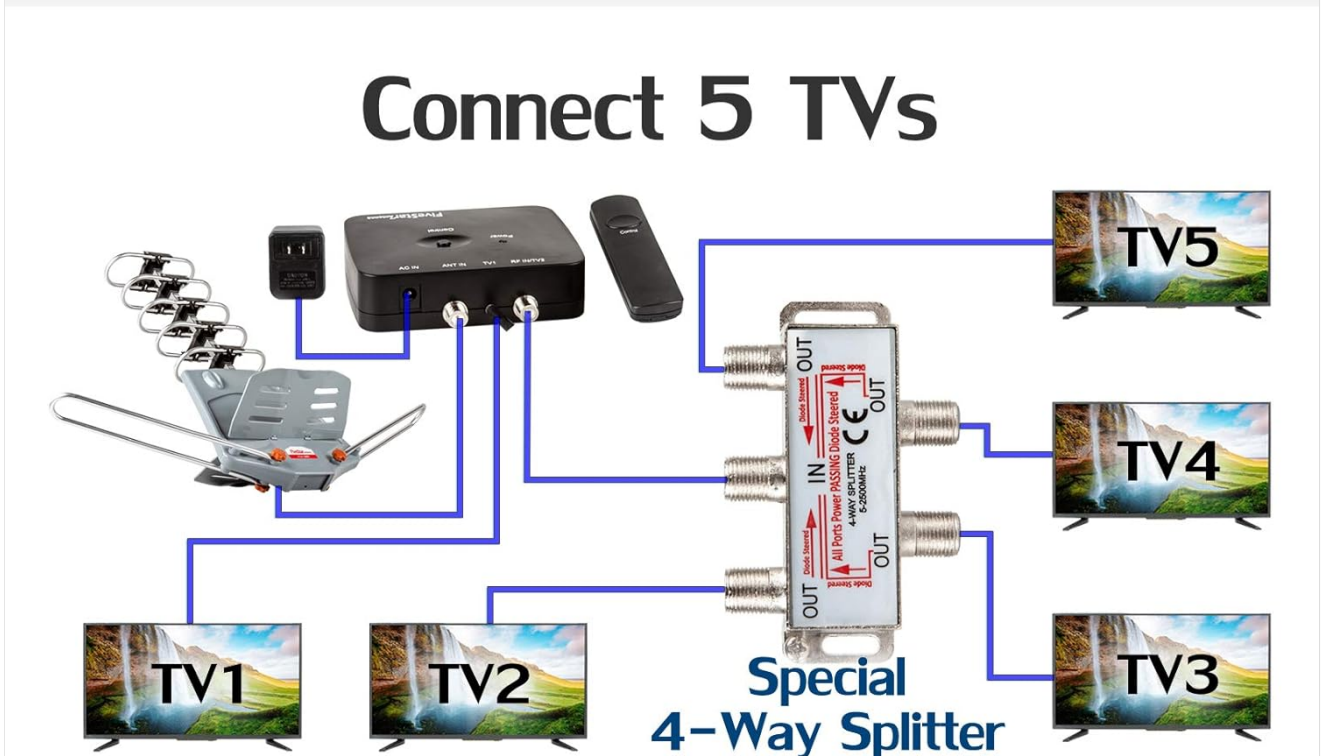


Image: The fully assembled Five Star Outdoor HDTV Antenna, ready for mounting.

2. Mounting the Antenna

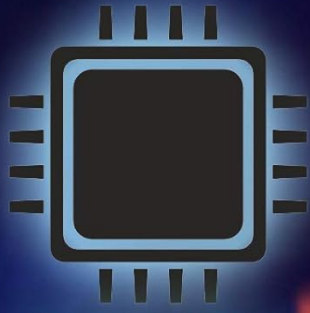
Choose a suitable outdoor location for mounting, such as a roof or pole, ensuring it has a clear line of sight to broadcast towers. The antenna is weather-resistant and lightning-protected. For added safety, consider grounding the antenna as recommended by experts.



Image: An example of the Five Star Outdoor HDTV Antenna mounted on a residential roof.

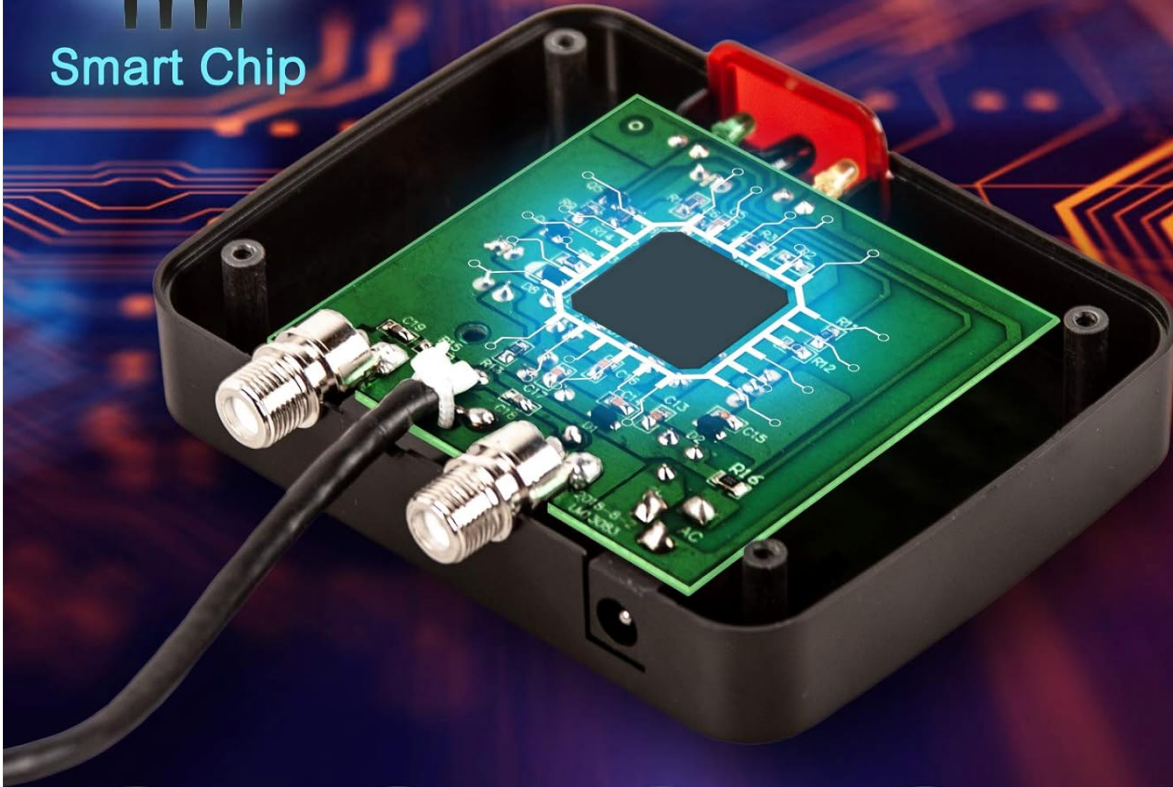
3. Connecting to Your TV

1. **Connect Coaxial Cable to Control Box:** Connect the other end of the 40ft RG6 coaxial cable from the antenna to the "ANT IN" port on the control box.
2. **Plug in Power Supply:** Connect the UL-Listed power supply to the control box and plug it into a standard electrical outlet. The power indicator light on the control box should illuminate.
3. **Connect Control Box to TV:** Use a separate coaxial cable (not included) to connect the "TV OUT" port on the control box to the "ANT/CABLE IN" port on your television.
4. **Connect Multiple TVs (Optional):** If connecting multiple TVs, use the included 4-way splitter. Connect the "TV OUT" from the control box to the "IN" port of the splitter. Then, connect separate coaxial cables from the "OUT" ports of the splitter to each television. The antenna supports up to 4 TVs simultaneously.



Smart Chip

Upgraded 2019 Signal Automatic Gain Control With Smart Chip



AGC

**LTE
Filter**

4K

**DTV
VHF/UHF**

**200 Miles
Range**



Image: Connection diagrams for connecting 2 TVs and up to 5 TVs using the included 4-way splitter.

4. Channel Scan

After all connections are made, perform a channel scan on your television. This process allows your TV to find and store all available digital channels in your area.

1. Access your TV's menu settings.
2. Navigate to the "Channel Setup" or "Broadcasting" section.
3. Select "Antenna" or "Air" as the input source (not "Cable").
4. Initiate an "Auto Program," "Auto Scan," or "Channel Scan." This process may take several minutes.

Refer to your TV's user manual for specific instructions on performing a channel scan.

Installation Video Guide

For a visual guide on assembly and connection, please watch the official product video:

Your browser does not support the video tag.

Video: Official Five Star HDTV Antenna Installation and Setup Guide. This video demonstrates the unboxing, assembly, and connection process for the antenna.

OPERATING INSTRUCTIONS

Once installed and connected, operating your Five Star antenna is straightforward.

- **Motorized 360° Rotation:** Use the included remote control to rotate the antenna 360 degrees. This allows you to fine-tune the antenna's direction to receive signals from different broadcast towers, optimizing your channel reception. Each press of the button on the remote or control box will rotate the antenna in a different direction.
- **Automatic Gain Control (AGC):** The built-in smart chip with AGC function automatically adjusts signal reception performance, ensuring optimal signal strength at various distances from the TV tower.
- **Built-in LTE Filter:** The antenna includes an LTE filter to remove interference caused by 4G phone signals, ensuring clear digital TV reception.
- **Multi-TV Support:** With the 4-way splitter, you can distribute the signal to up to 4 televisions simultaneously.





360 Degree Motorized Rotation Wireless Remote

Image: The control box and remote for operating the antenna's rotation. The antenna's 360-degree rotation feature is highlighted.

MAINTENANCE

The Five Star Outdoor HDTV Antenna is designed for durability and weather resistance. Regular maintenance is minimal but can help prolong its lifespan and ensure consistent performance.

- **Periodic Inspection:** Periodically inspect the antenna and its mounting hardware for any signs of wear, corrosion, or loosening, especially after severe weather conditions.
- **Cable Check:** Ensure the coaxial cable connections remain tight and free from damage. Check for any kinks or fraying in the cable.
- **Cleaning:** If necessary, gently clean the antenna elements with a soft, damp cloth to remove dirt or debris that might accumulate over time. Avoid using harsh chemicals or abrasive materials.
- **Grounding:** While the antenna is lightning protected, proper grounding is highly recommended for additional safety against power surges and lightning strikes. Consult a qualified electrician for grounding procedures if

you are unsure.

TROUBLESHOOTING

If you encounter issues with your antenna, refer to the following common troubleshooting tips:

Problem	Possible Cause	Solution
No Signal / Poor Picture Quality	Incorrect antenna direction, loose connections, TV not set to "Antenna/Air", obstructions, weak signal area.	Use the remote to rotate the antenna for optimal signal. Check all coaxial cable connections. Ensure your TV input is set to "Antenna" or "Air". Perform a new channel scan. Consider relocating the antenna to a higher or less obstructed position.
Antenna Not Rotating	Power supply issue, remote control battery dead, motor malfunction, cable issue.	Ensure the control box power supply is plugged in and the power light is on. Check remote control batteries. Verify the coaxial cable from the antenna to the control box is securely connected, as power for rotation is supplied through it.
Missing Channels (VHF/UHF)	Antenna not optimized for specific frequency, local interference, TV scan issue.	Perform multiple channel scans at different antenna orientations. Ensure the LTE filter is functioning correctly to reduce phone signal interference. Some older TVs might have limitations.
Splitter Issues (for multiple TVs)	Incorrect splitter type, faulty splitter, signal loss.	Ensure the splitter is designed for antenna signals and allows power pass-through on the input port if needed for the antenna. Verify all connections to the splitter are secure. Signal strength may decrease with more splits; consider an amplified splitter if issues persist.

SPECIFICATIONS

- **Product Dimensions:** 17 x 13.9 x 3.7 inches
- **Item Weight:** 4.71 pounds
- **Manufacturer:** Five Star
- **ASIN:** B07P9CSWZW
- **Antenna Type:** Outdoor HDTV Antenna (Television, Satellite, Radio)
- **Color:** Antenna+Kit
- **Number of Channels Supported:** Up to 5 TVs (with splitter)
- **Impedance:** 75 Ohm
- **Maximum Range:** Up to 150 Miles
- **Operating Frequency:** 45-860MHz (UHF/VHF/FM)
- **Gain:** 25-35db (with Auto Gain Control)

- **Features:** Motorized 360 Degree Rotation, Remote Control, Built-in Super Low Noise Amplifier, Built-in LTE Filter, Supports 4K HD TV, 1080p, 1080i, 720p Broadcast.
- **UPC:** 840449112434

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or visit the official Five Star website. Keep your purchase receipt for warranty claims.