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› Five Star Outdoor Digital Amplified HDTV Antenna (Model FSA-3806) User Manual

Five Star FSA-3806

Five Star Outdoor Digital Amplified HDTV Antenna (Model FSA-3806) User Manual

Standard Kit plus J Pole

1. INTRODUCTION

Thank you for choosing the Five Star Outdoor Digital Amplified HDTV Antenna, Model FSA-3806. This antenna is designed to provide high-resolution digital television broadcasts (HDTV 4K, 1080p, 1080i, 720p) and FM radio signals for free over-the-air channels. With its advanced features, including a 360-degree motorized rotation, intelligent gain control, and an LTE filter, you can enjoy clear reception and a wide variety of programming. This manual will guide you through the assembly, installation, operation, and maintenance of your new antenna.

2. PACKAGE CONTENTS

Before beginning assembly, please verify that all components listed below are included in your package:

- Five Star Outdoor Digital Amplified HDTV Antenna (Main Unit)
- Control Box with Power Adapter
- Remote Control
- 40ft Coaxial Cable (RG6 with F-type connectors)
- 4ft Coaxial Cable (for TV connection)
- 4-Way Coaxial Splitter
- J Pole Mounting Kit
- 15 Cable Clips
- Assembly Hardware (screws, wingnuts, brackets)



Image 2.1: All components included in the Five Star Outdoor Digital Amplified HDTV Antenna Standard Kit plus J Pole.

3. ASSEMBLY INSTRUCTIONS

The antenna comes partially pre-assembled. Follow these steps to complete the assembly:

1. **Unfold Receiving Elements:** Carefully unfold the receiving elements on the main antenna unit. Ensure they click into place securely.
 2. **Attach Director Elements:** Secure the director elements to the main boom using the provided screws and wingnuts.
 3. **Attach Reflector Panels:** Mount the reflector panels to the rear of the antenna using the remaining screws and wingnuts.
 4. **Install VHF Enhancement Rod:** Secure the VHF reception enhancement rod to the designated point on the antenna using a wingnut.
 5. **Attach J Pole Mount:** Secure the J Pole mount to the bottom of the antenna's main unit using the provided screws.
 6. **Insert J Pole:** Insert the J Pole into the attached mount and tighten the screws to secure it.
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Video 3.1: A detailed video demonstrating the assembly process of the Five Star Outdoor Digital Amplified HDTV Antenna.

Video 3.2: This video illustrates the assembly of the antenna components, including the base, director elements, and reflector panels.

4. INSTALLATION GUIDELINES

For optimal performance, the antenna should be installed outdoors in a high location with a clear line of sight to broadcast towers. The included J Pole allows for flexible mounting options on your roof or other elevated structures.

1. **Mounting Location:** Choose a location that is as high as possible and free from obstructions like trees or buildings. The J Pole can be mounted to a fascia board, roof, or other suitable surface.
2. **Secure Mounting:** Use appropriate hardware (not all mounting hardware may be included, depending on your surface) to securely fasten the J Pole to your chosen location. Ensure the antenna is stable and can withstand wind and weather conditions.
3. **Coaxial Cable Connection:** Connect one end of the 40ft coaxial cable to the antenna's output port. Ensure the waterproof cap is securely in place to protect the connection from moisture.
4. **Route Cable:** Carefully route the coaxial cable from the antenna to your desired indoor location, avoiding sharp bends or kinks. Use the provided cable clips to secure the cable along its path.



Image 4.1: The Five Star Outdoor Digital Amplified HDTV Antenna mounted on a roof for optimal signal reception.

5. CONNECTING TO YOUR TV

The Five Star antenna supports connection to multiple televisions using the included 4-way splitter.

1. **Connect to Control Box:** Connect the other end of the 40ft coaxial cable from the antenna to the 'ANT IN' port on the control box.
2. **Power the Control Box:** Plug the power adapter into the control box and then into a standard electrical outlet. The power indicator light on the control box should illuminate.
3. **Connect to TV (Single TV):** For a single TV, connect the 4ft coaxial cable from the 'TV1' or 'TV2' output on the control box directly to the 'ANT IN' or 'CABLE IN' port on your television.
4. **Connect to Multiple TVs (Using Splitter):**
 - Connect the 4ft coaxial cable from the 'TV1' or 'TV2' output on the control box to the 'IN' port of the 4-way splitter.
 - Connect individual coaxial cables (not all may be included) from the 'OUT' ports of the splitter to the 'ANT IN' or 'CABLE IN' ports on each of your televisions (up to 4 additional TVs).



Image 5.1: Diagram illustrating how to connect the antenna to multiple televisions using the control box and 4-way splitter.

Video 5.2: This video demonstrates connecting the coaxial cable from the antenna to the control box and then to a TV, including the use of the 4-way splitter for multiple TVs.

6. OPERATING YOUR ANTENNA

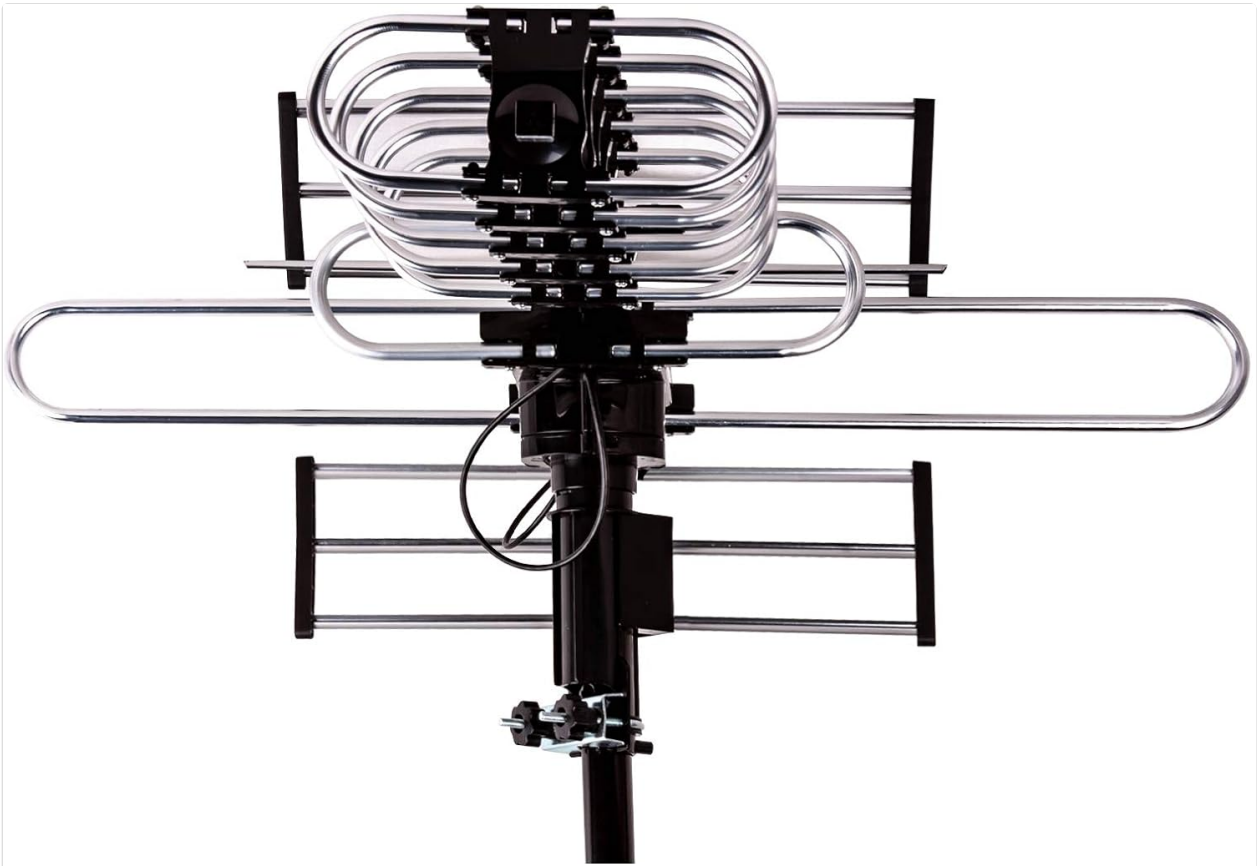
Once the antenna is assembled and connected, you can begin scanning for channels and optimizing your reception.

1. Perform Channel Scan:

- Turn on your television and select the correct input source (usually 'TV' or 'Antenna').
- Access your TV's menu and navigate to the 'Channel Setup' or 'Auto Program' section.
- Select 'Antenna' or 'Air' as the signal source, then initiate an 'Auto Scan' or 'Channel Search'. This process may take several minutes.

2. **Using the Remote Control for Rotation:** The included remote control allows you to rotate the antenna 360 degrees from inside your home. Press the rotation buttons on the remote to adjust the antenna's direction until you achieve the best signal quality for your desired channels.

3. **Intelligent Gain Control & LTE Filter:** The antenna features a built-in intelligent gain control chip (15-35dB) to optimize signal strength and an LTE filter to reduce interference from 4G phone signals, ensuring a clear and stable picture.



MOTORIZED



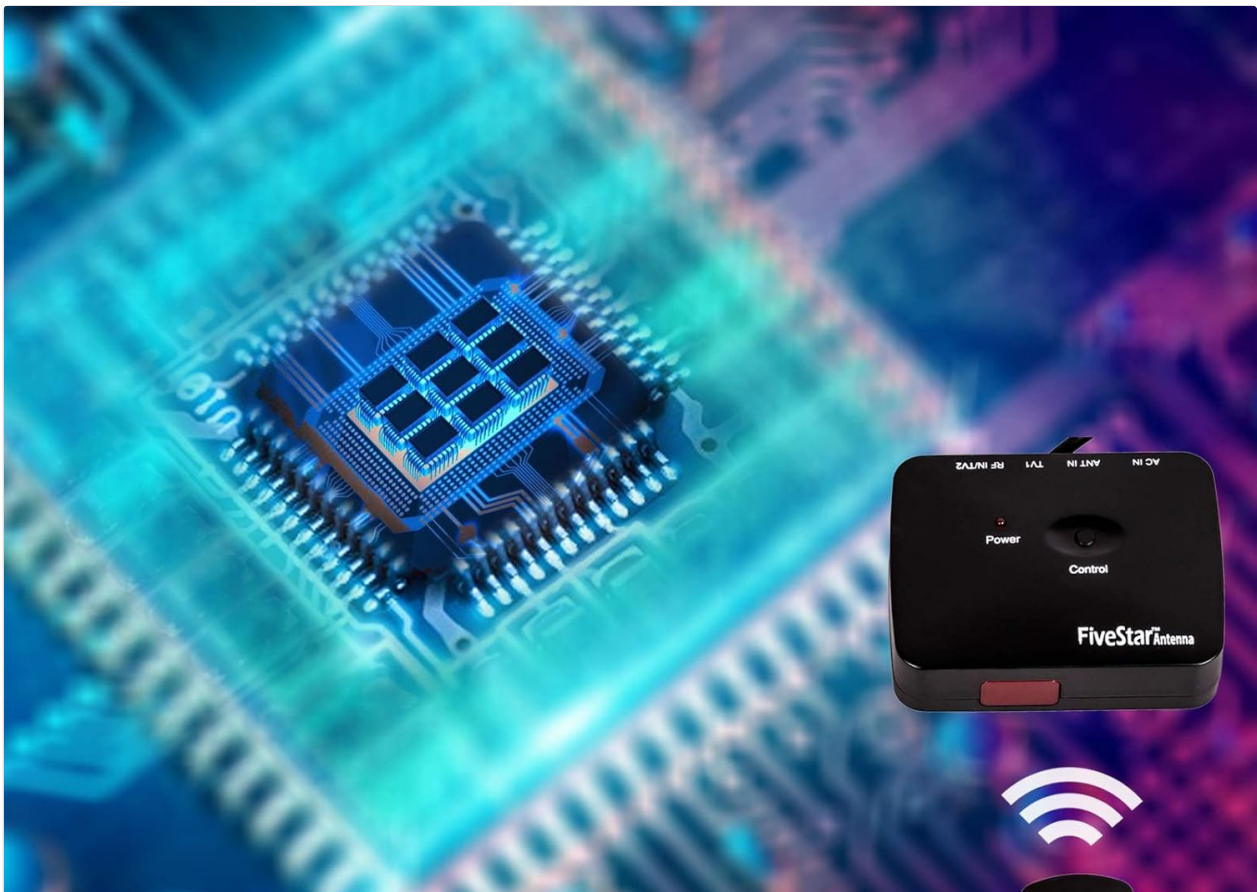
HDTV / VHF / UHF



SUPPORTS 4K



Image 6.1: The antenna features 360-degree motorized rotation, allowing for optimal signal alignment from indoors.



VERSION 2020 SMART CHIP

**Intelligent Gain / LTE Filter
Higher Image Resolution**



Image 6.2: The control box and remote control for the Five Star Antenna, featuring a smart chip for intelligent gain and LTE filtering.

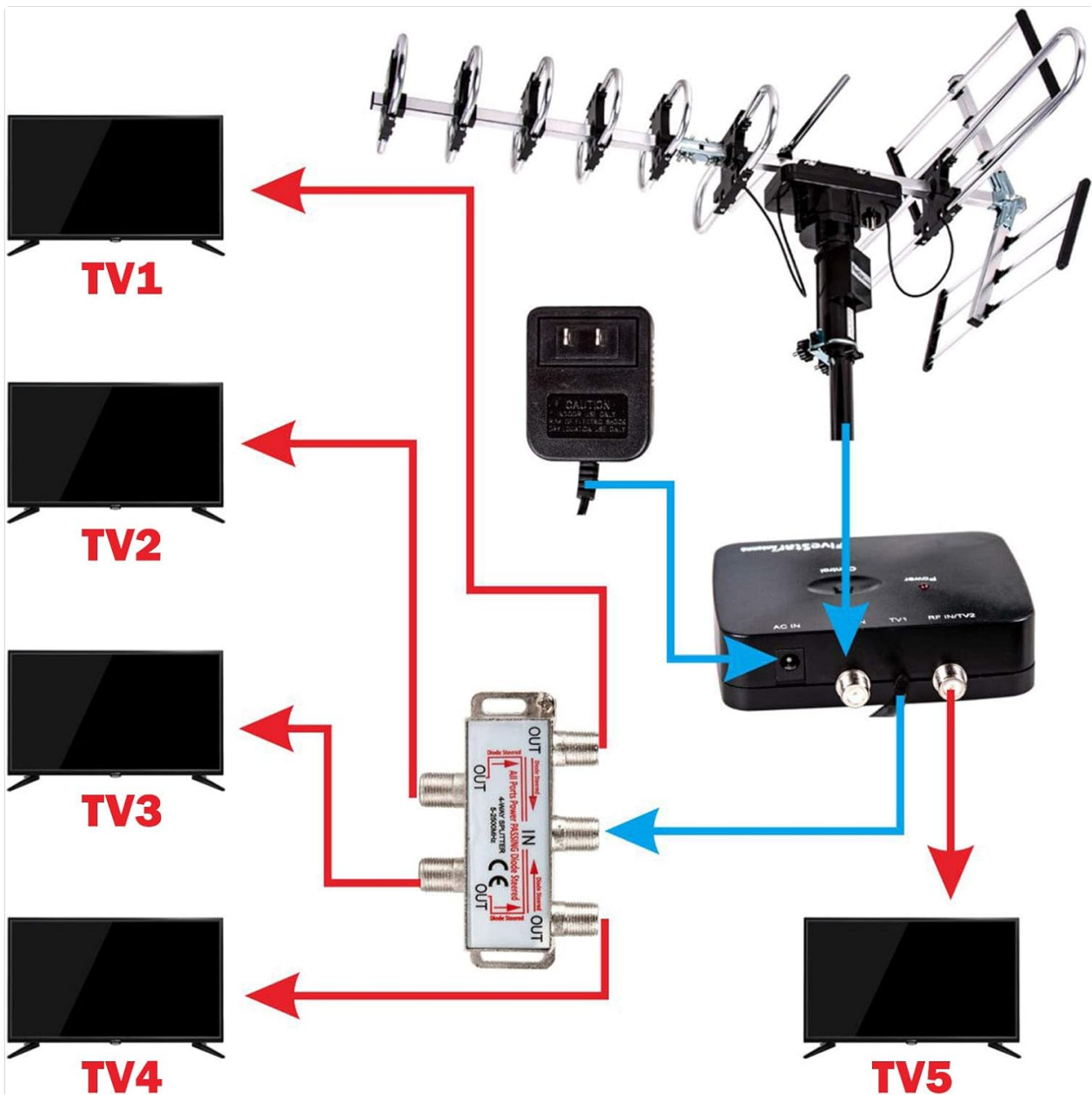


Image 6.3: Steps to perform an auto channel scan on your television to find available over-the-air channels.

Video 6.4: This video demonstrates the remote-controlled 360-degree rotation feature of the antenna, allowing users to fine-tune reception.

7. MAINTENANCE

To ensure the longevity and optimal performance of your Five Star antenna, consider the following maintenance tips:

- **Regular Inspection:** Periodically check the antenna and its mounting hardware for any signs of wear, corrosion, or damage, especially after severe weather.
- **Cable Integrity:** Inspect the coaxial cables for cracks, fraying, or loose connections. Ensure waterproof caps are intact.
- **Cleaning:** Gently clean the antenna elements with a soft cloth and mild detergent if dirt or debris accumulates, which can affect signal reception. Avoid abrasive cleaners.
- **Weather Protection:** The antenna is designed with enhanced weatherproofed materials to resist wind and rain. However, extreme weather conditions may still require inspection.

8. TROUBLESHOOTING

If you experience issues with your antenna, try the following troubleshooting steps:

- **No Signal or Poor Reception:**

- Ensure all cable connections are secure and correctly plugged into the antenna, control box, and TV.
- Verify the control box is powered on.
- Use the remote control to slowly rotate the antenna 360 degrees, performing a channel scan at different orientations to find the optimal direction for broadcast towers.
- Check for any new obstructions (e.g., growing trees) that might be blocking the signal path.
- Perform a fresh channel scan on your TV.

- **Remote Control Not Working:**

- Check the batteries in the remote control and replace them if necessary.
- Ensure there are no obstructions between the remote and the control box.
- Verify the control box is receiving power.

- **Fewer Channels Than Expected:**

- Signal strength can vary based on geographical location, terrain, and obstructions. Try adjusting the antenna direction using the remote.
- Consult online resources (e.g., FCC DTV Reception Maps) to determine available channels and their broadcast directions in your area.
- Ensure your TV's input is set to 'Antenna' or 'Air' before scanning.

9. SPECIFICATIONS

Feature	Specification
Product Dimensions	17 x 8 x 7 inches
Item Weight	6.2 pounds
Manufacturer	Five Star
Antenna Type	Outdoor Digital Amplified HDTV Antenna
Number of Channels	Up to 100 (depending on location)
Impedance	75 Ohm
Maximum Range	200 Miles
Operating Frequency	VHF 40-230MHz UHF 470-860MHz
Gain	15-35dB (Auto Gain Control)
Rotation	360 Degree Motorized with Remote Control
Supported Resolutions	4K, 1080p, 1080i, 720p

10. WARRANTY AND SUPPORT

The Five Star Outdoor Digital Amplified HDTV Antenna includes a **1-year limited warranty**. For warranty claims, technical support, or further assistance, please refer to the contact information provided with your product packaging or visit the official Five Star website.