

QFX ANT-106

QFX ANT-106 HD/DTV/UHF/VHF/FM 360° Rotating Outdoor Antenna Instruction Manual

Model: ANT-106

INTRODUCTION

This manual provides detailed instructions for the assembly, installation, operation, and maintenance of your QFX ANT-106 HD/DTV/UHF/VHF/FM 360° Rotating Outdoor Antenna. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

The QFX ANT-106 is an amplified 360-degree rotating outdoor antenna designed to receive HD, DTV, VHF, UHF, and FM signals. It supports HDTV resolutions including 720p, 1080i, and 1080p. The antenna features a motorized rotation function controlled by a remote, and it can distribute signals to up to two television sets.

PACKAGE CONTENTS

Verify that all components are present before beginning assembly:

- QFX ANT-106 Rotating Outdoor Antenna Unit
- Motorized Rotator Base
- Remote Control
- Power Adapter for Amplifier
- Coaxial Cable (length may vary)
- Mounting Hardware (U-bolts, nuts, washers)
- Instruction Manual

Note: Specific components may vary slightly. Refer to the packaging for a complete list.

IMPORTANT SAFETY INFORMATION

Please read and understand all safety warnings before installing or operating this antenna.

- **Electrical Safety:** Ensure all power connections are secure and follow local electrical codes. Do not operate with damaged cables or power adapters.

- **Installation Safety:** Antenna installation can be dangerous. Exercise extreme caution when working at heights or near power lines. Consider professional installation if you are not comfortable performing the task.
- **Weather Conditions:** Avoid installation during lightning storms, strong winds, or other adverse weather conditions.
- **Product Handling:** The antenna elements can be delicate. Handle with care during assembly and installation to prevent bending or damage.
- **Proposition 65 Warning:** This product may expose you to chemicals known to the State of California to cause cancer and reproductive harm. For more information, visit www.P65Warnings.ca.gov.

SETUP AND INSTALLATION

1. Antenna Assembly

Carefully unpack all components. The antenna elements are designed to be assembled onto the main frame. Refer to the diagrams below for proper placement and secure all connections. Some elements may require gentle insertion into the frame. Avoid excessive force to prevent damage.

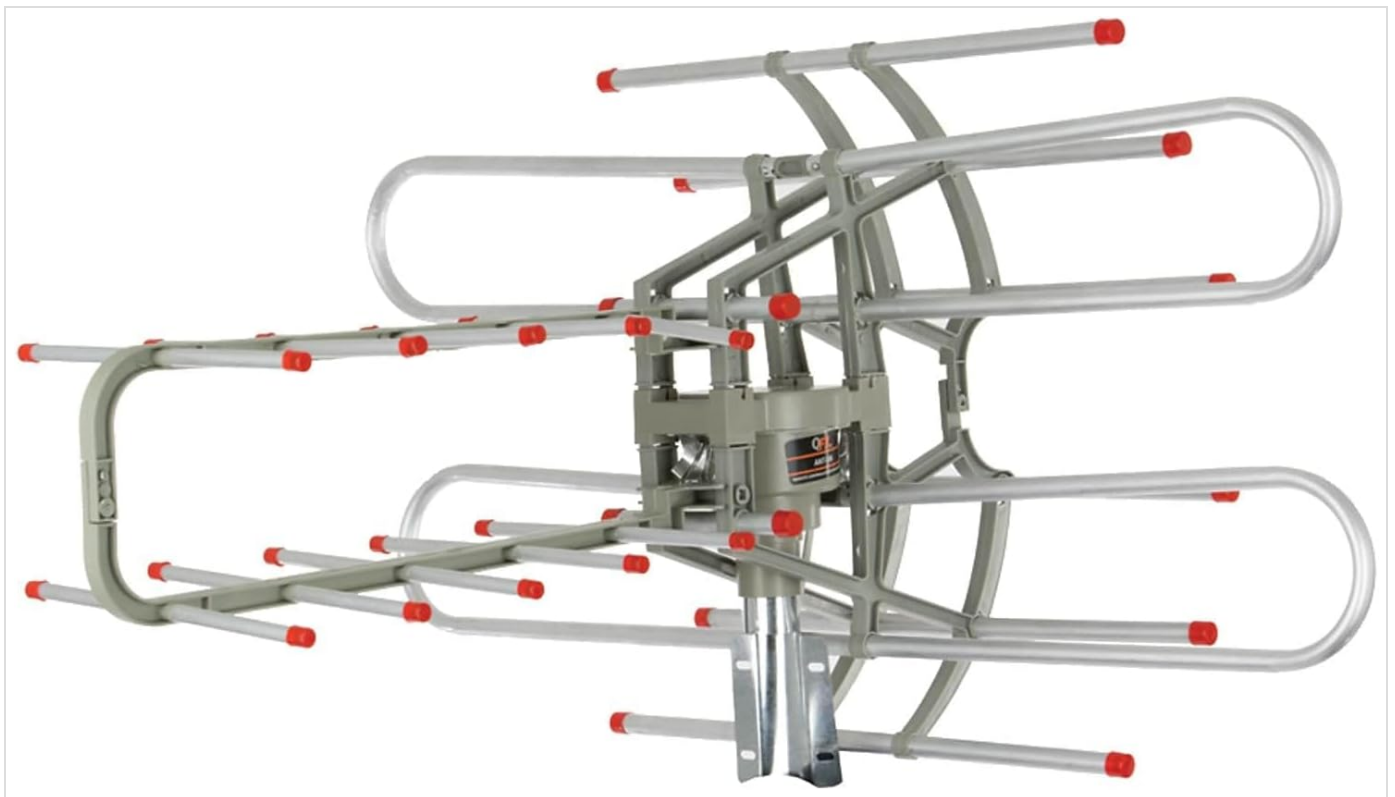


Image 1: Overview of the QFX ANT-106 antenna components. This image shows the various elements and the central mounting unit of the antenna before full assembly.

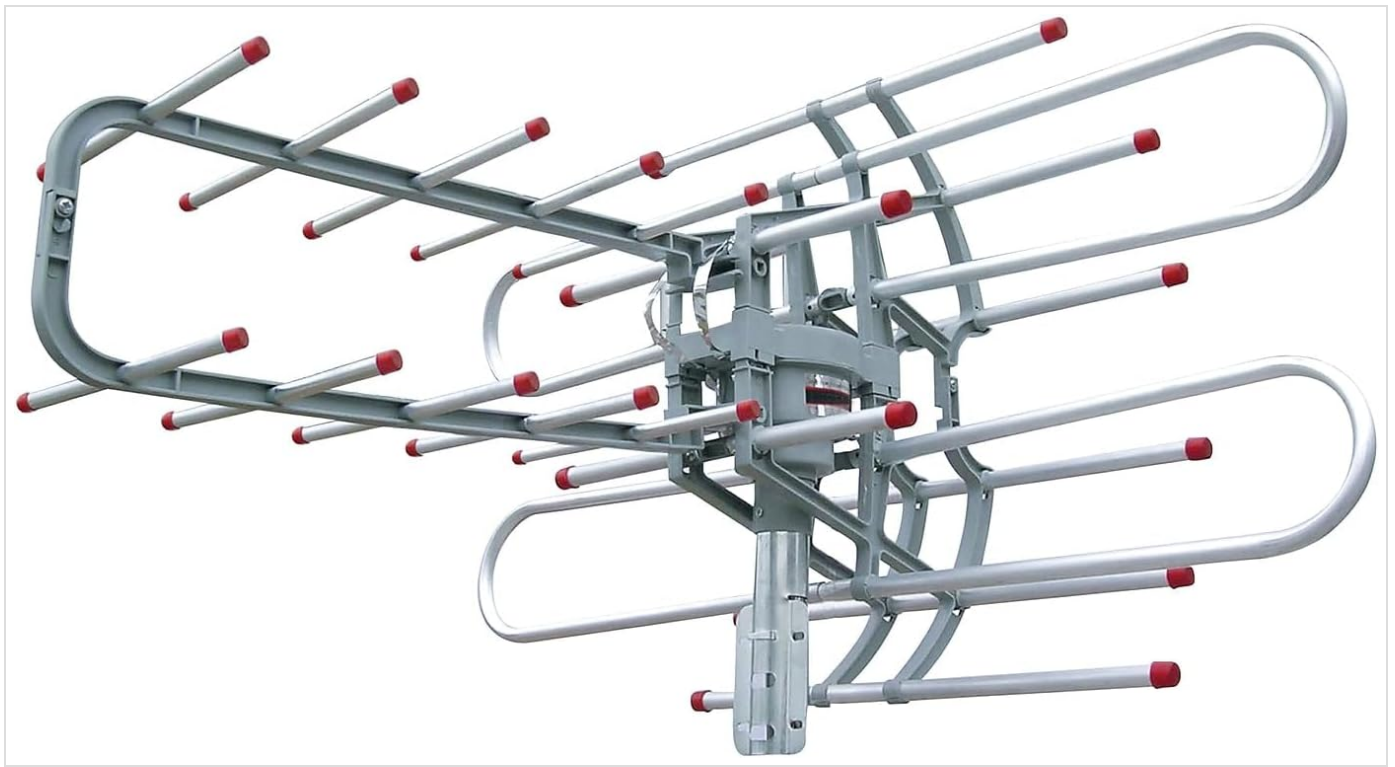


Image 2: A fully assembled QFX ANT-106 antenna, ready for mounting. This view highlights the complete structure of the antenna with all elements in place.

2. Mounting Location Selection

Choose a mounting location that is as high as possible and free from obstructions such as trees, buildings, or other structures that could block signal reception. Common locations include rooftops, gables, or mast poles. Ensure the chosen location allows for safe access for installation and future maintenance.



Image 3: The QFX ANT-106 antenna mounted on a rooftop against a clear blue sky. This illustrates a typical outdoor installation scenario for optimal signal reception.

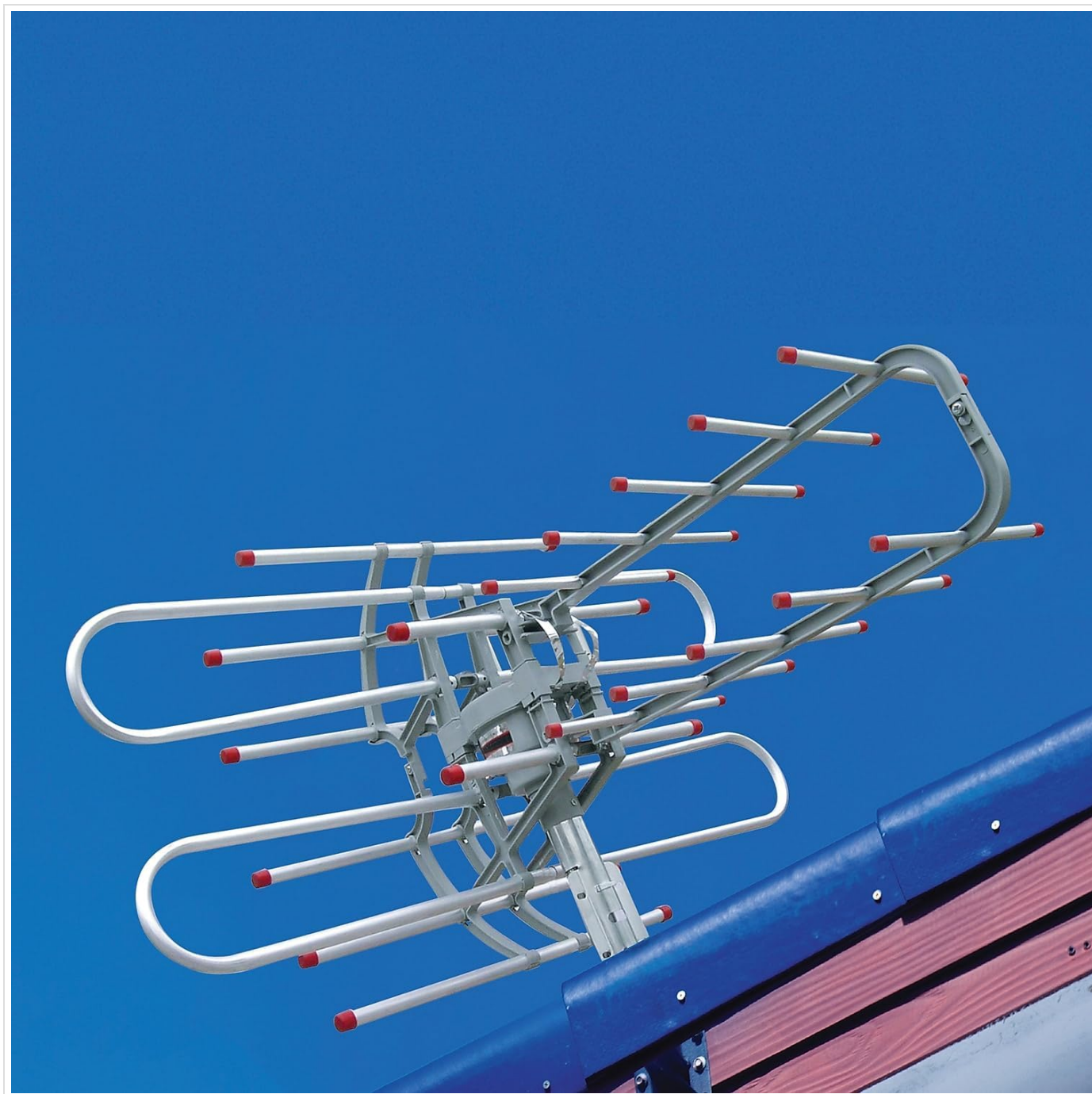


Image 4: The QFX ANT-106 antenna installed on a red tile roof with mountains in the background. This image demonstrates the antenna's placement in a residential setting, emphasizing its outdoor design.

3. Mounting the Antenna

Securely attach the antenna to a mast or mounting pole using the provided U-bolts and hardware. Ensure the antenna is level and firmly tightened to withstand wind and weather conditions. The motorized base should be oriented to allow for 360° rotation without obstruction.

4. Wiring Connections

1. Connect one end of the coaxial cable to the antenna's output port.
2. Route the coaxial cable safely from the antenna to your television(s) or DTV tuner, avoiding sharp bends or kinks.
3. Connect the other end of the coaxial cable to the input of the included amplifier/power injector unit.
4. Connect the amplifier's output to your television's "Antenna In" or "RF In" port. If connecting to multiple TVs, use a signal splitter (not included) after the amplifier.
5. Plug the power adapter into the amplifier unit and then into a standard electrical outlet.

MOTORIZED REMOTE CONTROL ANTENNA

360° Rotating Outdoor Antenna
Antena Exterior Giratoria de 360°
Antenne externe pivotant à 360°

45 MILES RANGE

Reception Range from Point of Signal Origination
Range varies every location and atmospheric condition and antenna placement

ALCANCE DE 45 MILLAS

Rango de recepción desde el punto de origen de la señal
El alcance varía según la ubicación, las condiciones atmosféricas y la ubicación de la antena.

GAMME 45 MILES

Plage de réception du point d'origine du signal
La portée varie en fonction de chaque emplacement, des conditions atmosphériques et du placement de l'antenne

FREE Local TV

TV Local Gratuita
Télévision Locale Gratuite



PLUS MANY MORE NETWORK AVAILABILITY
VARIES BY AREA

MUCHO MÁS DISPONIBILIDAD DE RED
VARIAS POR ZONA

PLUS BEAUCOUP PLUS DE DISPONIBILITÉ
RÉSEAU VARIATIONS PAR ZONE



Image 5: This image displays the QFX ANT-106 antenna along with its remote control and an illustration of its signal reception capabilities, including a 45-mile range and 4K Ultra HD support. It also shows the types of local TV networks it can receive.

OPERATING INSTRUCTIONS

1. Initial Channel Scan

After installation and power connection, perform a channel scan on your television or DTV tuner. This process allows your TV to detect and store available over-the-air channels. Refer to your TV's instruction manual for specific steps on how to perform a channel scan (often found in the 'Settings' or 'Setup' menu under 'Channel' or 'Antenna').

2. Using the Remote Control

The included remote control operates the motorized rotation of the antenna. Point the remote towards the antenna's receiver (usually located on the amplifier unit or the antenna's base). Use the directional buttons to rotate the antenna 360 degrees to optimize signal reception for different channels.

- **Rotate Left/Right Buttons:** Press to rotate the antenna clockwise or counter-clockwise.
- **Power Button:** Turns the antenna's rotation motor on/off.

Tip: Rotate the antenna slowly and pause at various points to check signal strength on your TV. Perform a channel scan after adjusting the antenna's direction if new channels become available or existing ones improve.

3. Connecting Multiple TVs

The QFX ANT-106 can feed signals to up to two TV sets. If you wish to connect more than one TV, use a high-quality signal splitter (75 Ohm, not included) connected to the output of the amplifier unit. Ensure all unused splitter ports are terminated with 75 Ohm terminators to prevent signal loss.

MAINTENANCE

- **Regular Inspection:** Periodically inspect the antenna, mounting hardware, and coaxial cables for any signs of wear, corrosion, or damage, especially after severe weather.
- **Cleaning:** Gently clean the antenna elements with a soft, damp cloth if dirt or debris accumulates. Do not use harsh chemicals or abrasive materials.
- **Cable Management:** Ensure coaxial cables are securely fastened and not exposed to excessive tension or abrasion.
- **Motorized Unit:** The motorized rotation unit is generally maintenance-free. If rotation becomes stiff or erratic, check for obstructions or loose connections.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No signal or poor picture quality	<ul style="list-style-type: none">◦ Loose cable connections◦ Antenna not pointed correctly◦ Obstructions blocking signal◦ TV not set to "Antenna" input◦ No channel scan performed◦ Weak signal in your area	<ul style="list-style-type: none">◦ Check and tighten all coaxial cable connections.◦ Use the remote control to rotate the antenna and find the optimal direction.◦ Relocate the antenna to a higher or less obstructed position.◦ Ensure your TV input is set to "Antenna" or "Air".◦ Perform a new channel scan on your TV.◦ Consider a signal amplifier (if not already using the built-in one) or a higher gain antenna.
Remote control not working	<ul style="list-style-type: none">◦ Dead batteries◦ Remote not pointed at receiver◦ Obstruction between remote and receiver◦ Motor unit malfunction	<ul style="list-style-type: none">◦ Replace batteries in the remote control.◦ Ensure the remote is pointed directly at the antenna's receiver or amplifier unit.◦ Remove any obstructions.◦ If the motor unit has manual buttons, try operating it directly. If it still fails, contact support.

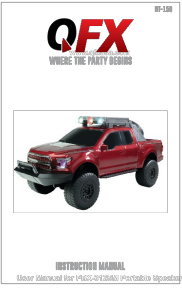





Problem	Possible Cause	Solution
Antenna not rotating	<ul style="list-style-type: none">Power adapter unpluggedLoose connection to motor unitMotor unit malfunction	<ul style="list-style-type: none">Check if the power adapter is securely plugged into the amplifier and outlet.Inspect the cable connecting the amplifier to the antenna's motor unit.If the motor unit has manual buttons, try operating it directly. If it still fails, contact support.

SPECIFICATIONS

Feature	Detail
Model Number	ANT-106
Supported Frequencies	HD, DTV, VHF, UHF, FM
HDTV Support	720p, 1080i, 1080p
Rotation	360° Motorized with Remote Control
Output Impedance	75 Ohm
Number of TV Outputs	Up to 2 (with included amplifier)
Product Dimensions	Approximately 28.54"L x 24.02"W x 14.96"H (72.5cm x 61cm x 38cm)
Item Weight	2 pounds (0.91 kg)
Manufacturer	QFX INC
UPC	961613260482, 012304921561, 606540000045

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official QFX website. Keep your purchase receipt as proof of purchase for warranty claims.
QFX Store Link: [Visit the QFX Store on Amazon](#)

 <p>BT-150</p> <p>QFX WHERE THE PARTY BEGINS</p> <p>INSTRUCTION MANUAL User Manual for QFX-BT150 Bluetooth Speaker</p>	<p>QFX BT-150 Bluetooth Speaker: Instruction Manual & Features</p> <p>Get detailed instructions for your QFX BT-150 Bluetooth speaker, including control panel functions, TWS pairing, Bluetooth connectivity, safety warnings, and warranty information.</p>
 <p>BT-14</p> <p>QFX WHERE THE PARTY BEGINS</p> <p>INSTRUCTION MANUAL User Manual for QFX-BT14 Portable Speaker</p>	<p>QFX BT-14 Portable Bluetooth Speaker: Instruction Manual, Features, and Warranty</p> <p>Comprehensive instruction manual for the QFX BT-14 portable Bluetooth speaker. Learn about controls, TWS pairing, Bluetooth, FM radio, safety, and warranty information from QFX.</p>
 <p>R-24 OPERATING INSTRUCTIONS</p> <p>QFX</p>	<p>QFX R-24 Portable AM/FM/SW Radio: Operating Instructions and Specifications</p> <p>Comprehensive operating instructions and technical specifications for the QFX R-24 portable radio, covering controls, precautions, radio frequency ranges, power, and safety warnings.</p>
 <p>QFX</p>	<p>QFX M-600 16-Channel UHF Wireless Microphone System User Manual</p> <p>User manual for the QFX M-600, a 16-channel UHF multi-frequency wireless microphone system. Details components, features, and specifications for stable and clear audio transmission.</p>
 <p>BT-ZX35</p> <p>QFX WHERE THE PARTY BEGINS</p> <p>INSTRUCTION MANUAL</p>	<p>QFX BT-ZX35 Portable Bluetooth Speaker: Instruction Manual & Warranty</p> <p>Comprehensive instruction manual and limited warranty policy for the QFX BT-ZX35 portable Bluetooth speaker. Learn how to use controls, pair devices, utilize TWS, FM, and AUX modes, and understand warranty terms.</p>
 <p>QFX www.qfxusa.com</p> <p>R-37</p> <p>User Manual for the R-37 Portable Speaker</p>	<p>QFX R-37 Portable Speaker User Manual - Operation, Features, and Warranty</p> <p>Comprehensive user manual for the QFX R-37 Portable Speaker. Includes detailed instructions on operation, USB/TF playback, Bluetooth connectivity, charging, safety warnings, and the QFX limited product warranty policy.</p>