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> bestkong UHF Whip Antenna ATU-6D User Manual for Yaesu Vertex Standard Radios

## bestkong ATU-6D

# bestkong UHF Whip Antenna ATU-6D User Manual

For Yaesu Vertex Standard Two-Way Radios

## INTRODUCTION

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This manual provides essential instructions for the proper installation, operation, and maintenance of your bestkong UHF Whip Antenna (Model ATU-6D). Please read this manual thoroughly before using the antenna to ensure optimal performance and longevity.

## PRODUCT OVERVIEW

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The bestkong UHF Whip Antenna is designed for use with a range of Yaesu Vertex Standard two-way radios. It features a durable whip design and an SMA-Male connector for secure attachment.



Image: The bestkong UHF Whip Antenna, showing its overall length of 6.2 inches.

### Key Features:

- **Connector Type:** Vertex Standard SMA-Male
- **Frequency Band:** UHF (Ultra High Frequency)
- **Frequency Range:** 400-470 MHz
- **Antenna Type:** Whip
- **Length:** Approximately 6.25 inches

### COMPATIBLE RADIO MODELS

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This antenna is compatible with the following Yaesu Vertex Standard two-way radio models:

- VX-130, VX-131, VX-132, VX-160, VX-180
- VX-210, VX-210A, VX-230, VX-231
- VX-350, VX-351, VX-354
- VX-410, VX-414, VX-420, VX-424, VX-600
- VX-800, VX-820, VX-821, VX-824, VX-829
- VX-900, VX-920, VX-921, VX-924, VX-929

- VX-970, VX-971, VX-974, VX-979

*Note:* Ensure your radio uses an SMA-Male connector and operates within the 400-470 MHz UHF band for proper compatibility.

## SETUP AND INSTALLATION

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1. **Inspect the Antenna:** Before installation, carefully inspect the antenna for any visible damage.
2. **Identify the Connector:** Locate the antenna connector port on your compatible two-way radio.
3. **Align the Connector:** Align the SMA-Male connector of the antenna with the radio's antenna port.



Image: A close-up view of the SMA-Male connector on the antenna, showing the central pin and threaded outer barrel.

4. **Attach the Antenna:** Gently screw the antenna onto the radio's connector clockwise until it is finger-tight. Do not overtighten, as this can damage the connector on either the antenna or the radio.
5. **Verify Connection:** Ensure the antenna is securely attached and stands upright.

## OPERATING GUIDELINES

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Once installed, the antenna is ready for use. For optimal performance:

- **Vertical Orientation:** Always operate your radio with the antenna in a vertical position for the best signal reception and transmission.
- **Clear Line of Sight:** Try to maintain a clear line of sight between your radio and the receiving/transmitting station to minimize signal obstruction.
- **Avoid Obstructions:** Large metal objects, buildings, and dense foliage can interfere with radio signals.
- **Handle with Care:** Avoid bending or striking the antenna, as this can cause internal damage and affect performance.

## MAINTENANCE

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To ensure the longevity and optimal performance of your antenna:

- **Cleaning:** Wipe the antenna periodically with a soft, damp cloth to remove dust and dirt. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** When not in use, store the antenna in a clean, dry place, away from extreme temperatures and direct sunlight.
- **Connection Check:** Periodically check the antenna connection to ensure it remains finger-tight.

## TROUBLESHOOTING

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If you experience issues with your antenna, consider the following:

- **Poor Signal Quality:**
  - Ensure the antenna is securely attached to the radio.
  - Verify that the antenna is oriented vertically.
  - Check for obstructions between your radio and the other station.
  - Confirm your radio is set to the correct UHF frequency band.
- **Antenna Damage:**
  - Inspect the antenna for any visible bends, cracks, or damage to the connector. A damaged antenna may need replacement.

## TECHNICAL SPECIFICATIONS

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Feature	Specification
Model Number	ATU-6D
Brand	bestkong
Antenna Type	UHF Whip Antenna
Frequency Range	400-470 MHz
Connector Type	Vertex Standard SMA-Male
Length	Approximately 6.25 inches
Color	Black

Feature	Specification
Item Weight	5.1 ounces (for 10 pcs)
Package Dimensions	9.29 x 3.78 x 1.26 inches
UPC	698775041023