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> [ABBREE AR-152A Foldable Dual Band Tactical Antenna User Manual](#)

## ABBREE AR-152A

# ABBREE AR-152A Foldable Dual Band Tactical Antenna User Manual

Model: AR-152A

## 1. PRODUCT OVERVIEW

The ABBREE AR-152A is a high-gain, dual-band (144/430 MHz) tactical antenna designed for enhanced communication range with compatible two-way radios. Its foldable design provides flexibility and durability, making it suitable for various outdoor and tactical applications. The antenna features an SMA-Female connector for broad compatibility.

# Tactical Antenna

## SMA-Female

### 72CM/28.3IN



Figure 1: ABBREE AR-152A antenna connected to a Baofeng UV-5R radio, extended.

## 2. SETUP AND INSTALLATION

- 1. Inspect the Antenna:** Before installation, carefully inspect the antenna for any physical damage. Ensure the SMA-Female connector is clean and free of debris.
- 2. Identify Radio Connector:** Confirm your two-way radio has an SMA-Male connector. The AR-152A is equipped with an SMA-Female connector.
- 3. Attach the Antenna:** Gently screw the SMA-Female connector of the AR-152A antenna onto the SMA-Male connector of your radio. Turn clockwise until finger-tight. *Do not over-tighten* to avoid damaging the connectors.
- 4. Use Rubber Gasket (Optional):** If there is a small gap between the antenna base and your radio's antenna mount, use the provided rubber gasket to ensure a secure fit and prevent moisture ingress.
- 5. Extend the Antenna:** Unfold the antenna to its full length for optimal performance. The flexible design allows for

various configurations.



Figure 2: Close-up of the SMA-Female connector.

**Compatibility Note:** This antenna is compatible with many Baofeng models (e.g., UV-5R, BF-F8HP, K5PLUS, UV-21R, AR-152) and Quansheng UV-K5. However, it is *not compatible* with waterproof radios such as Baofeng UV-9R, UV-82WP, UV-XR Plus, GT-3WP, or UV-5RWP.

### 3. OPERATING INSTRUCTIONS

The ABBREE AR-152A antenna is designed to boost the signal of your two-way radio, extending your communication range. For best performance, ensure the antenna is fully extended and positioned vertically during operation.

- **Frequency Bands:** The antenna operates on dual bands: 144 MHz (VHF) and 430 MHz (UHF). Ensure your radio is set to transmit and receive within these frequency ranges for optimal results.
- **Gain:** With a gain of 3.5dBi, this antenna provides improved signal strength compared to standard stock antennas.
- **Flexibility:** The antenna's flexible design allows it to withstand bending and impacts, making it suitable for rugged outdoor use.

- **Portability:** When not in use, the antenna can be folded and secured with its strap for compact storage and transport.



Figure 3: ABBREE AR-152A antenna in its folded configuration.

## 4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your ABBREE AR-152A antenna.

- **Cleaning:** Wipe the antenna periodically with a soft, damp cloth to remove dirt and dust. Avoid using harsh chemicals or abrasive materials that could damage the antenna's coating.
- **Connector Care:** Keep the SMA-Female connector clean and dry. If exposed to moisture, dry it thoroughly before reattaching to a radio.

- **Storage:** When not in use, fold the antenna and secure it with the provided strap. Store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Inspection:** Regularly inspect the antenna for any signs of wear, tear, or damage, especially at the base and along the flexible sections. If significant damage is observed, consider replacing the antenna to maintain performance and prevent potential damage to your radio.



Figure 4: Folded antenna secured with a strap for storage.

## 5. TROUBLESHOOTING

If you experience issues with your ABBREE AR-152A antenna, consider the following troubleshooting steps:

- **Poor Signal Reception/Transmission:**
  - Ensure the antenna is fully extended and positioned vertically.
  - Verify the antenna is securely connected to the radio's SMA-Male port.
  - Check your radio's frequency settings to ensure they match the antenna's dual-band capabilities (144/430 MHz).
  - Test with another known-good antenna to determine if the issue lies with the antenna or the radio.
- **Loose Connection:**

- Tighten the antenna connector gently. If a rubber gasket was provided, ensure it is properly seated to eliminate any gap and provide a snug fit.
- Inspect the radio's antenna port for damage.

- **Physical Damage:**

- While the antenna is flexible, extreme bending or impact can cause internal damage. Inspect for visible cracks or severe kinks.
- If the antenna appears damaged, it may need replacement.

For radio-specific issues, refer to your radio's instruction manual.

## 6. SPECIFICATIONS

<b>Brand</b>	ABBREE
<b>Model</b>	AR-152A
<b>Frequency</b>	144/430 MHz (Dual Band)
<b>Connector Type</b>	SMA-Female
<b>Gain</b>	3.5dBi
<b>Length</b>	72 CM / 28.3 Inches
<b>Impedance</b>	50 Ohms
<b>Color</b>	Black
<b>Item Weight</b>	4.6 ounces

## 7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official ABBREE website or contact the retailer from whom you purchased the product. Keep your purchase receipt as proof of purchase for any warranty claims.

