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ABBREE AR-771

ABBREE AR-771 Dual Band VHF/UHF Ham Radio Antenna Instruction Manual

Introduction

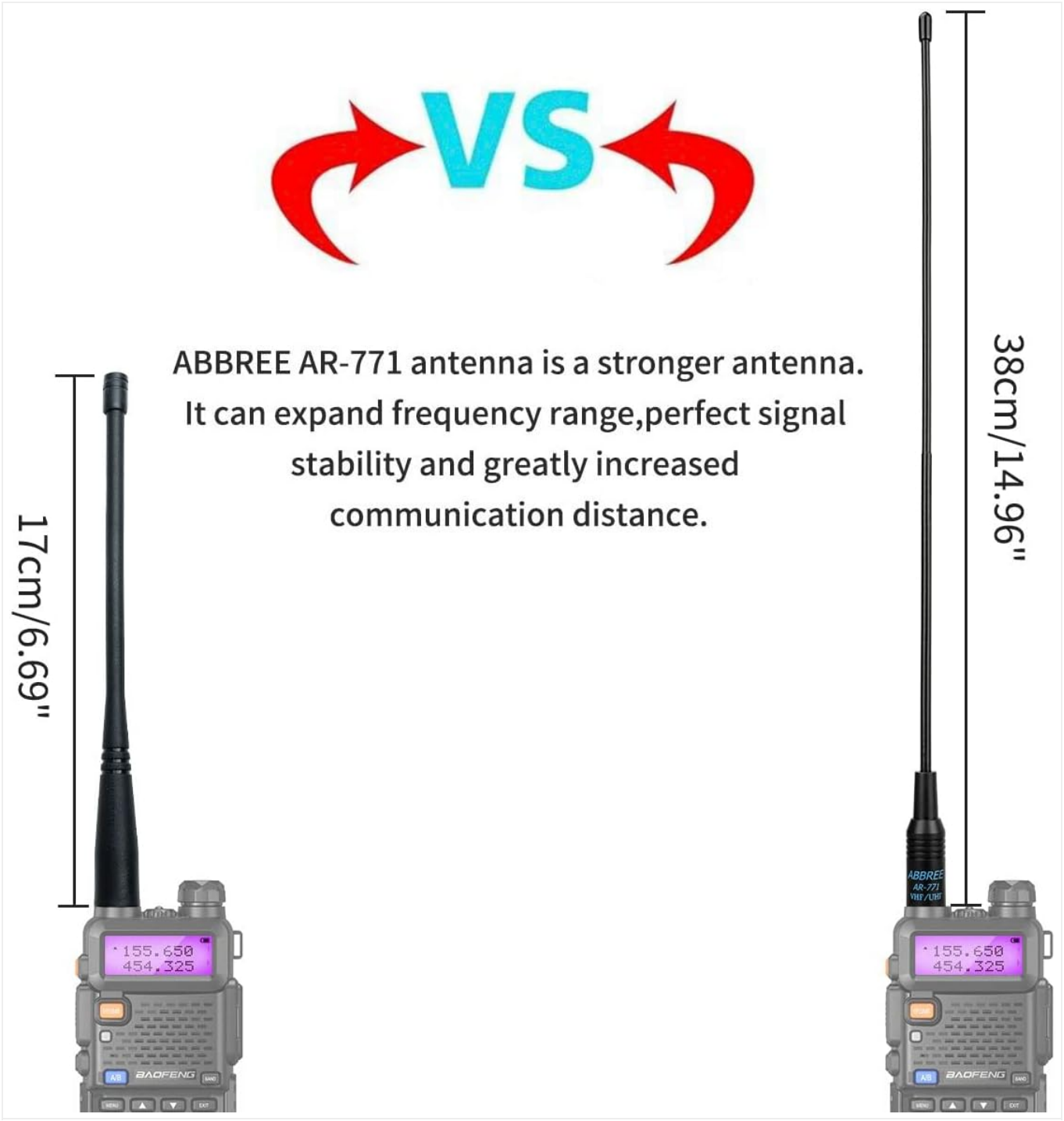
This manual provides essential information for the proper installation, operation, and maintenance of your ABBREE AR-771 Dual Band VHF/UHF Ham Radio Antenna. Please read this manual thoroughly before using the antenna to ensure optimal performance and longevity.

Product Overview

The ABBREE AR-771 is a high-gain, soft whip antenna designed for dual-band VHF/UHF operation. It features an SMA-Female connector, making it compatible with a wide range of two-way radios, including popular models like the Baofeng UV-5R, BF-F8HP, and others with SMA-Male connectors. Its flexible design enhances durability and ease of use.



A full view of the ABBREE AR-771 dual band antenna, showcasing its flexible whip design and SMA-Female connector base.



This image illustrates the length difference between the 14.96-inch ABBREE AR-771 antenna and a shorter, standard radio antenna, both attached to two-way radios.

Setup

1. **Identify Connector Type:** Ensure your radio has an SMA-Male connector to be compatible with the SMA-Female connector of the ABBREE AR-771 antenna.
2. **Align and Screw:** Carefully align the antenna's SMA-Female connector with the radio's SMA-Male connector. Gently screw the antenna onto the radio in a clockwise direction until it is finger-tight. Do not overtighten, as this can damage the connectors.
3. **Verify Secure Connection:** Once attached, ensure the antenna is securely fastened to prevent signal loss or damage during use.



A detailed view highlighting the SMA-Female connector of the ABBREE AR-771 antenna and the corresponding male connector on a two-way radio, demonstrating how they connect.

Operating Instructions

The ABBREE AR-771 antenna is designed to enhance the performance of your dual-band VHF/UHF radio. For optimal operation:

- **Antenna Positioning:** For best signal reception and transmission, position the antenna as vertically as possible. Avoid bending or obstructing the antenna during operation.
- **Radio Settings:** Refer to your radio's instruction manual for specific settings related to antenna gain, power output, and frequency selection for VHF (144MHz) and UHF (430MHz) bands.
- **Environmental Factors:** Performance can be affected by terrain, buildings, and other environmental factors. Experiment with different locations to find the best signal.



A hand demonstrating the flexibility of the ABBREE AR-771 soft whip antenna, emphasizing its durable and pliable construction.

Maintenance

- **Cleaning:** Wipe the antenna with a soft, damp cloth to remove dust and dirt. Avoid using harsh chemicals or abrasive materials.
- **Inspection:** Regularly inspect the antenna for any signs of damage, such as cracks in the whip or corrosion on the connector. Replace if damage is observed.
- **Storage:** When not in use, store the antenna in a clean, dry place away from extreme temperatures and direct sunlight.

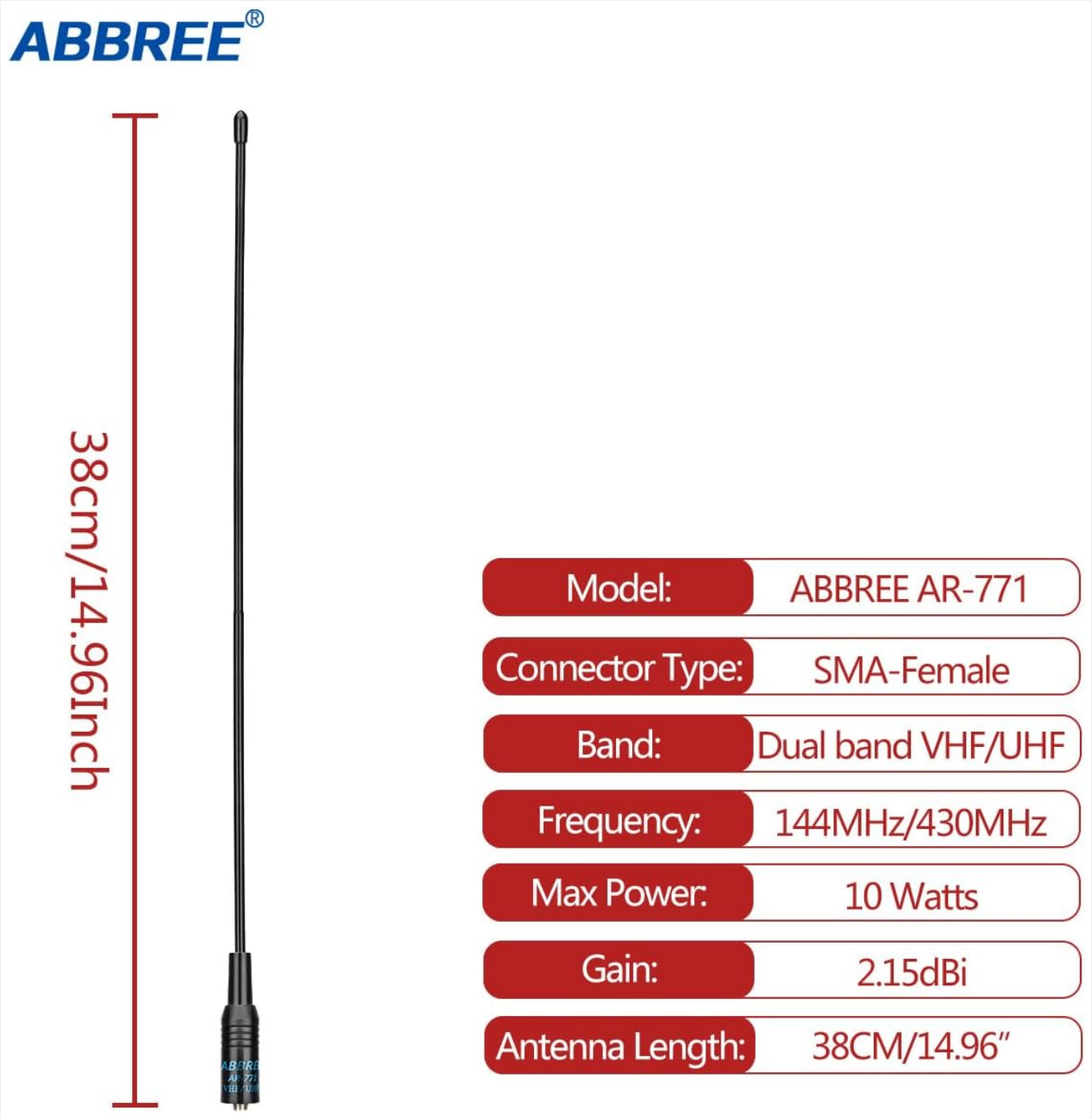
Troubleshooting

- **Poor Signal Quality:**
  - Ensure the antenna is securely connected to the radio.
  - Check for obstructions between your radio and the other station.

- Test the antenna with another compatible radio, or test your radio with a known good antenna.

- **Antenna Not Fitting:**
  - Verify that your radio has an SMA-Male connector. This antenna is designed for SMA-Female connections.

Specifications



A visual representation of the antenna's key specifications, including model, connector type, band, frequency, max power, gain, and length.

Feature	Specification
Model	AR-771
Connector Type	SMA-Female
Band	Dual Band VHF/UHF

Feature	Specification
Frequency	144MHz/430MHz
Max Power	10 Watts
Gain	2.15dBi
Antenna Length	38cm / 14.96 inches
Item Weight	2.39 ounces
Product Dimensions	2 x 1 x 15.35 inches

Warranty and Support

For warranty information or technical support, please refer to the documentation provided with your purchase or contact the retailer/manufacturer directly. Keep your proof of purchase for any warranty claims.

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