ABBREE AR-152G

ABBREE AR-152G 23.6-inch SMA-Female Coaxial Extension Cable Instruction Manual

Brand: ABBREE | Model: AR-152G

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your ABBREE AR-152G 23.6-inch SMA-Female Coaxial Extension Cable. This cable is designed to extend the reach and improve the placement flexibility of your two-way radio antenna, enhancing communication range and clarity.

2. Product Overview

The ABBREE AR-152G is a high-quality 23.6-inch (60CM) coaxial extension cable crafted from durable copper wire. It features an SMA-Female connector for connecting to your radio and an SMA-Male connector for attaching to your antenna. This design allows for optimal antenna placement, such as on a backpack or chest rig, to maximize signal performance and user comfort.

Key Features:

- **Ultra Extension Cable:** Provides 23.6 inches (60CM) of length for flexible antenna positioning.
- **High-Quality Material:** Constructed with copper wire for reliable signal transmission.
- **Universal Compatibility:** Equipped with SMA-Female (hole inside) to radio and SMA-Male (pin inside) to antenna connectors, compatible with various Baofeng models (e.g., UV-5R, BF-F8HP, UV-82) and other ham radios.

3. Package Contents

Verify that all items are present in your package:

- 1 x ABBREE AR-152G 23.6-inch (60CM) Coaxial Extension Cable

4. Specifications

Feature	Detail
Cable Length	60 CM / 23.6 inches

Material	Copper Wire
Radio Connector Type	SMA-Female (hole inside)
Antenna Connector Type	SMA-Male (pin inside)
Item Weight	1.76 ounces
Package Dimensions	6.1 x 5.39 x 0.87 inches
Impedance	50 Ohms
Manufacturer	ABBREE
Model Number	AR-152G

5. Setup Instructions

Follow these steps to properly connect your extension cable:

1. **Disconnect Existing Antenna:** Carefully unscrew and remove the existing antenna from your two-way radio.
2. **Connect to Radio:** Screw the SMA-Female end of the extension cable onto the SMA-Male connector on your radio. Ensure it is finger-tight to establish a secure connection.
3. **Connect to Antenna:** Screw your desired antenna onto the SMA-Male end of the extension cable. Ensure it is finger-tight.
4. **Position Antenna:** Route the extension cable to your preferred antenna location (e.g., on a backpack, chest rig, or higher elevation) to optimize signal reception and transmission.

Image: The ABBREE AR-152G extension cable connected to a Baofeng radio, with the cable routing to an extended antenna for improved positioning.

Image: A Baofeng radio with the ABBREE AR-152G extension cable and a long antenna, demonstrating the full setup for enhanced range.

Image: Detailed view of the SMA-Female connector (left) and SMA-Male connector (right) of the extension cable, highlighting their design.

6. Operating Instructions

Once the extension cable and antenna are securely connected, operate your two-way radio as usual. The primary benefit of this cable is to allow for flexible antenna placement, which can significantly improve your radio's performance, especially in challenging environments.

- **Optimal Placement:** For best results, position your antenna as high and clear of obstructions as possible. This cable facilitates placing the antenna on a backpack or higher point on your gear, away from your body, which can reduce signal interference and increase effective range.
- **Signal Improvement:** Users often report noticeable improvements in both transmission and reception range when using an extended antenna setup compared to a standard rubber ducky antenna directly on the radio.

Your browser does not support the video tag.

Video: This video demonstrates the practical application of a tactical antenna relocation kit, similar to the use case for the ABBREE AR-152G extension cable, showing how it allows for flexible antenna placement on gear.

7. Maintenance

To ensure the longevity and optimal performance of your ABBREE AR-152G extension cable:

- **Regular Inspection:** Periodically check the cable and connectors for any signs of wear, damage, or corrosion.
- **Cleanliness:** Keep the connectors clean and free from dirt, dust, and moisture. Use a dry, soft cloth for cleaning.
- **Secure Connections:** Always ensure connectors are finger-tight. Avoid over-tightening, which can damage the threads.
- **Storage:** When not in use, store the cable in a dry, cool place, away from direct sunlight and extreme temperatures. Avoid sharp bends or kinks in the cable.

Image: The ABBREE AR-152G extension cable neatly coiled, illustrating proper storage to prevent damage.

Image: A visual comparison highlighting the quality of genuine copper wire used in ABBREE cables versus inferior cheap alloy alternatives, emphasizing the importance of material for performance.

8. Troubleshooting

If you experience issues with your extension cable, consider the following:

- **Poor Signal/No Signal:**
  - Ensure all connections (radio to cable, cable to antenna) are secure and finger-tight.
  - Check for any visible damage to the cable or connectors.
  - Test the radio with its original antenna (if available) to rule out radio issues.
  - Verify the antenna itself is functioning correctly.
  - Ensure the antenna is positioned away from large metal objects or other sources of interference.
- **Loose Connection:**
  - Gently tighten all SMA connections. If a connection repeatedly loosens, inspect the threads for damage.

9. Warranty and Support

For warranty information or technical support, please refer to the official ABBREE website or contact your retailer. Keep your purchase receipt as proof of purchase.