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Model: SMB to SMA Antenna Adapter Kit

1. PRODUCT OVERVIEW

The Eightwood SMB to SMA Antenna Adapter Kit provides a versatile solution for connecting various radio frequency (RF) devices. This kit includes four distinct adapter types, designed to facilitate connections between SMA and SMB interfaces, commonly found in Sirius XM Satellite Radio and DAB+ Radio antenna systems. Each adapter is constructed from brass with gold plating to ensure optimal signal transmission, durability, and resistance to corrosion.



Image 1.1: Overview of the Eightwood SMB to SMA Antenna Adapter Kit, showing all four adapters.

2. KIT CONTENTS

This kit contains four (4) gold-plated brass adapters, each with a 50 Ohm impedance:

- **SMA Male to SMB Male Straight Adapter:** Connects an SMA female port to an SMB female port.
- **SMA Male to SMB Female Straight Adapter:** Connects an SMA female port to an SMB male port.
- **SMA Female to SMB Male Straight Adapter:** Connects an SMA male port to an SMB female port.
- **SMA Female to SMB Female Straight Adapter:** Connects an SMA male port to an SMB male port.

3. SETUP AND CONNECTION

To use the adapters, identify the connector types on your antenna cable and the device (e.g., radio, receiver) you wish to connect. Select the appropriate adapter from the kit that matches the required conversion.

1. **Identify Connector Types:** Determine if your existing cable and device ports are SMA or SMB, and whether they are male or female.
2. **Select Adapter:** Choose the adapter from the kit that provides the necessary conversion. For example, if you have an SMA male cable and need to connect to an SMB female port, you would use an SMA Female to SMB Male adapter.
3. **Connect Adapter:** Carefully align the adapter with the corresponding connector on your cable or device. Gently push and twist clockwise until the connection is secure. Avoid over-tightening to prevent damage to the connectors.
4. **Complete Connection:** Connect the other end of the adapter to the remaining component (cable or device). Ensure all connections are firm to maintain signal integrity.



Image 3.1: SMA Male to SMB Male adapter. This adapter connects an SMA female interface to an SMB female interface.



Image 3.2: SMA Male to SMB Female adapter. This adapter connects an SMA female interface to an SMB male interface.



Image 3.3: SMA Female to SMB Male adapter. This adapter connects an SMA male interface to an SMB female interface.



Image 3.4: SMA Female to SMB Female adapter. This adapter connects an SMA male interface to an SMB male interface.

4. OPERATING INSTRUCTIONS

These adapters are passive components and do not require any specific operational steps beyond proper connection. Once securely connected, they facilitate the signal transfer between your antenna and radio equipment. Ensure that the connected devices are powered on and configured according to their respective user manuals for optimal performance.

5. MAINTENANCE

To ensure the longevity and reliable performance of your adapters, follow these maintenance guidelines:

- **Keep Clean:** Periodically inspect the connectors for dust, dirt, or moisture. Use a clean, dry, lint-free cloth to gently wipe the surfaces. Avoid using abrasive cleaners or solvents.
- **Handle with Care:** Avoid dropping the adapters or subjecting them to excessive force, which can damage the internal components or deform the connector pins.
- **Proper Storage:** When not in use, store the adapters in a dry, cool environment, preferably in their original packaging or a protective container to prevent physical damage and exposure to contaminants.

- **Avoid Over-tightening:** When connecting, tighten only until snug. Over-tightening can strip threads or damage the connector.

6. TROUBLESHOOTING

If you experience issues with signal quality or connectivity after installing the adapters, consider the following troubleshooting steps:

- **Check Connections:** Ensure all adapters and cables are securely fastened. A loose connection can lead to signal loss or degradation.
- **Verify Adapter Type:** Double-check that you are using the correct adapter for your specific SMA and SMB connector types (male/female). An incorrect adapter will not establish a proper connection.
- **Inspect for Damage:** Examine the adapters and connected cables for any visible signs of damage, such as bent pins, corroded surfaces, or frayed cables. Replace any damaged components.
- **Test Components Individually:** If possible, test your antenna and radio equipment with known working cables and connectors to isolate whether the issue lies with the adapters or other parts of your setup.
- **Environmental Factors:** Ensure your antenna has a clear line of sight to satellites (for Sirius XM) or broadcast towers (for DAB+ Radio) and is not obstructed by buildings or other interference sources.

7. SPECIFICATIONS

Feature	Specification
Product Type	SMB to SMA Antenna Adapter Kit
Quantity	4 pieces
Connector Types Included	SMA Male to SMB Male, SMA Male to SMB Female, SMA Female to SMB Male, SMA Female to SMB Female
Impedance	50 Ohm
Material	Brass (Gold Plated)
Application	Sirius XM Satellite Radio Antennas, DAB+ Radio Antennas
Color	Gold

8. WARRANTY INFORMATION

This Eightwood SMB to SMA Antenna Adapter Kit is covered by a **6-month manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, accident, modification, or unauthorized repair. For warranty claims, please retain your proof of purchase and contact Eightwood customer support.

9. SUPPORT

For further assistance, technical inquiries, or to report any issues with your Eightwood SMB to SMA Antenna Adapter Kit, please visit the official Eightwood store or contact their customer service department. You can find more information and contact details on the Eightwood Brand Store on Amazon.

