

## Eightwood EWAN0403GE

# Eightwood DAB+ Car Antenna Instruction Manual

Model: EWAN0403GE

## 1. INTRODUCTION

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Thank you for choosing the Eightwood DAB+ Car Antenna. This manual provides essential information for the proper installation, operation, and maintenance of your new antenna. Please read these instructions carefully before use to ensure optimal performance and longevity of the product.

## 2. PRODUCT OVERVIEW

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### 2.1 Features

- **Frequency Range:** Band III (174-230 MHz) and L-Band (1452-1492 MHz) for comprehensive DAB+ reception.
- **High Gain:**  $17\pm 2$  dBi (Band III) and  $8\pm 2$  dBi (L-Band) for enhanced signal strength.
- **Connection Type:** SMB connector for wide compatibility with car radio systems.
- **Cable Length:** 3 meters (approximately 9.8 feet) for flexible installation options.
- **Durable Construction:** Made from weather-resistant ABS material, designed to withstand various environmental conditions.
- **Electromagnetic Interference Resistance:** Advanced technology ensures stable reception by effectively resisting electromagnetic interference.
- **Energy Efficient:** Low power consumption during operation contributes to energy saving and extended product lifespan.

### 2.2 Package Contents

- 1 x Eightwood DAB+ Car Antenna with SMB Connector

### 2.3 Compatible Devices

This antenna is compatible with various digital DAB+ AM/FM tuners and car stereo systems, including but not limited to:

- Pioneer, JVC, Kenwood, Clarion, Alpine

- BP models: PP16DAB, PP15DAB, RXD10, RXD34, RXD35, RXD50, RXD120, IRD30, BD400, CLRD30
- Other compatible car brands: VW, Seat, Opel, Skoda, Volvo, Fiat, Citroën, Peugeot, Mercedes, etc.

### 3. SETUP AND INSTALLATION

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Proper installation is crucial for optimal signal reception. Follow these steps carefully:

1. **Choose an Installation Location:** Select a clean, flat area on your car's windshield, preferably in an upper corner, that does not obstruct your view. Ensure the surface is free from dust, grease, and moisture.
2. **Clean the Surface:** Thoroughly clean the chosen area on the windshield with an alcohol wipe or a suitable glass cleaner. Allow it to dry completely.
3. **Prepare the Antenna:** Carefully peel off the protective backing from the adhesive pad on the back of the antenna unit. Avoid touching the adhesive surface to maintain its strong adhesion.
4. **Attach the Antenna:** Firmly press the antenna onto the cleaned windshield surface. Apply even pressure for several seconds to ensure a secure bond.



Image: Back of the antenna with adhesive backing. Ensure the adhesive is clean before application.

5. **Route the Cable:** Carefully route the 3-meter cable from the antenna to your car's radio unit. Ensure the cable is not pinched or exposed to sharp edges. Use cable clips or ties (not included) to secure the cable neatly along the vehicle's interior trim, avoiding interference with airbags or other safety features.
6. **Connect to Radio:** Plug the SMB connector of the antenna cable into the corresponding DAB+ antenna input on your car radio or tuner. Ensure the connection is firm and secure.



Image: Close-up of the SMB male connector. This connector plugs into your car radio's DAB+ input.





Image: Example of antenna installation on a car windshield, showing cable routing and connection.

## 4. OPERATING INSTRUCTIONS

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Once the antenna is correctly installed and connected to your DAB+ compatible car radio, follow your radio's instructions to scan for available DAB+ digital radio stations. The antenna will automatically receive signals within its frequency range.

- **Initial Scan:** Perform a full station scan on your car radio after installation to detect all available DAB+ and FM/AM stations.
- **Signal Quality:** Digital radio reception can be affected by geographical location, terrain, and building structures. If signal quality is poor, try repositioning the antenna slightly or performing another scan.



Image: Visual representation of improved signal reception on a car radio display after antenna installation.

## 5. MAINTENANCE

The Eightwood DAB+ Car Antenna requires minimal maintenance. Follow these guidelines to ensure its continued performance:

- **Cleaning:** Periodically wipe the antenna unit with a soft, damp cloth to remove dust or dirt. Avoid using harsh chemicals or abrasive cleaners, as these can damage the material.
- **Connection Check:** Occasionally check the SMB connector to ensure it remains securely plugged into your radio. A loose connection can lead to poor signal quality.
- **Adhesion Check:** Verify that the antenna remains firmly adhered to the windshield. If it starts to peel, re-secure it or consider using a new adhesive if necessary.

## 6. TROUBLESHOOTING

If you experience issues with your DAB+ car antenna, refer to the following troubleshooting tips:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No DAB+ signal or poor reception	Loose connection Antenna improperly positioned Weak signal area Radio not set to DAB+ mode	Ensure SMB connector is secure. Try repositioning the antenna on the windshield. Perform a new station scan on your radio. Check your radio settings to ensure DAB+ input is selected.
Intermittent signal loss	Environmental interference Damaged cable or connector	This can occur in areas with high buildings or tunnels. Signal should return in open areas. Inspect the cable and connector for any visible damage. Replace if necessary.
Antenna not sticking to windshield	Improper surface cleaning Damaged adhesive	Ensure windshield surface is thoroughly cleaned and dry before application. If adhesive is compromised, consider using a new adhesive strip.

## 7. SPECIFICATIONS

- **Model Number:** EWAN0403GE
- **Brand:** Eightwood
- **Antenna Type:** Radio (DAB+, FM, AM)
- **Frequency Range:** Band III: 174-230 MHz; L-Band: 1452-1492 MHz
- **Gain:** 17±2 dBi (Band III); 8±2 dBi (L-Band)
- **Impedance:** 50 Ohms
- **Cable Length:** 3 Meters
- **Connector Type:** SMB Male
- **Material:** ABS (Weather-resistant)
- **Items Included:** 1 Antenna

# Eightwood Auto DAB DAB+ Antenne



Image: Antenna dimensions and compatible radio brands.

## 8. WARRANTY AND SUPPORT

Information regarding specific warranty terms and availability of spare parts for the Eightwood DAB+ Car Antenna (Model EWAN0403GE) is not provided in the product details. For any support inquiries or further assistance, please contact Eightwood customer service through the retailer where the product was purchased.