

Motorola PMAD4067

Motorola PMAD4067 VHF with GPS Antenna User Manual

Model: PMAD4067C

INTRODUCTION

The Motorola PMAD4067C is an original equipment manufacturer (OEM) VHF whip antenna designed for use with compatible Motorola two-way radios. This antenna operates within the 136-147 MHz frequency band and includes integrated GPS capabilities, enhancing communication and location tracking for professional applications. It is engineered to provide reliable performance and durability.

SETUP AND INSTALLATION

Proper installation of the PMAD4067C antenna is crucial for optimal performance and to prevent damage to the radio or antenna.

1. **Power Off Radio:** Before beginning installation, ensure your Motorola radio is completely powered off to prevent electrical damage.
2. **Align Connector:** Carefully align the threaded base of the PMAD4067C antenna with the antenna port on your compatible Motorola radio.
3. **Attach Antenna:** Gently screw the antenna clockwise onto the radio's antenna port. Turn until it is finger-tight. **Do not overtighten**, as this can damage the antenna connector or the radio's port.
4. **Verify Connection:** Ensure the antenna is securely attached and stable. A loose connection can result in poor signal quality or intermittent operation.

Compatible Radio Models: APX4000, APX6000, APX7000, XPR6100, XPR6500, XPR6550, XPR6350, XPR6300.



Image of the Motorola PMAD4067 VHF with GPS Antenna, showing its whip design and connector. This antenna is designed for secure attachment to compatible Motorola two-way radios.

OPERATING INSTRUCTIONS

Once the PMAD4067C antenna is securely installed, it operates in conjunction with your Motorola radio.

- **Always Connect Antenna:** Ensure the antenna is connected to the radio whenever the radio is powered on and in use. Operating the radio without an antenna can cause damage to the radio's internal components.
- **Optimal Positioning:** For best radio communication, avoid obstructing the antenna with your hand or body during transmission.
- **GPS Functionality:** For the integrated GPS feature to function effectively, ensure the antenna has a clear, unobstructed view of the sky. Buildings, dense foliage, or indoor environments can degrade GPS signal reception.
- **Frequency Range:** This antenna is optimized for the 136-147 MHz VHF band. Using it outside this range may result in reduced performance.

MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your PMAD4067C antenna.

- **Visual Inspection:** Periodically inspect the antenna for any signs of physical damage, such as cracks, bends, or corrosion on the connector. Replace the antenna if significant damage is observed.
- **Cleaning:** Use a soft, dry, lint-free cloth to wipe down the antenna. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the antenna's materials.
- **Connector Care:** Keep the antenna connector clean and free of dirt, dust, or moisture. A small, soft brush can be used to gently clean the threads if necessary.
- **Storage:** When not in use, store the antenna in a clean, dry, and cool environment, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

If you experience issues with your PMAD4067C antenna, consider the following troubleshooting steps:

- **Poor Signal or Range:**
 - Ensure the antenna is securely tightened to the radio.
 - Check for any visible damage to the antenna (bends, cracks).
 - Verify that the radio's settings are correctly configured for the operating frequency.
 - Ensure there are no major obstructions between your radio and the receiving station.
- **GPS Inaccuracy or No Signal:**
 - Move to an open area with a clear view of the sky.
 - Ensure the antenna is not obstructed by your body or other objects.
 - Check the GPS settings on your radio to ensure GPS is enabled and configured correctly.
- **Antenna Not Fitting:**
 - Confirm that your radio model is listed as compatible with the PMAD4067C antenna.
 - Inspect the radio's antenna port for any damage or debris that might prevent proper attachment.

If issues persist after attempting these steps, contact Motorola Solutions customer support.

SPECIFICATIONS

Model Number	PMAD4067C
Antenna Type	VHF Whip Antenna with GPS
Frequency Range	136-147 MHz
Length	Approximately 17 cm (6.7 inches)
Brand	Motorola
Compatibility	APX4000, APX6000, APX7000, XPR6100, XPR6500, XPR6550, XPR6350, XPR6300

WARRANTY INFORMATION

The Motorola PMAD4067C antenna is covered by Motorola Solutions' standard limited warranty. The specific terms and duration of the warranty may vary by region and purchase date. For detailed warranty information, please refer to the documentation provided with your original radio purchase or visit the official Motorola Solutions website. Keep your proof of purchase for warranty claims.

SUPPORT

For technical assistance, product inquiries, or to report issues with your Motorola PMAD4067C antenna, please contact Motorola Solutions customer support. You can find contact information and additional resources on the official Motorola Solutions website:

- **Motorola Solutions Official Website:** www.motorolasolutions.com
- **Customer Service:** Refer to the contact section on the official website for regional support numbers and email addresses.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question