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› BOOBRIE 4G LTE/5G Omni-Directional Outdoor Antenna Instruction Manual

Boobrie 4G LTE/5G Omni-Directional Outdoor Antenna

BOOBRIE 4G LTE/5G Omni-Directional Outdoor Antenna Instruction Manual

Model: 4G LTE/5G Omni-Directional Outdoor Antenna | Brand: Boobrie

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your BOOBRIE 4G LTE/5G Omni-Directional Outdoor Antenna. Please read these instructions carefully before use to ensure optimal performance and longevity of the product.

The BOOBRIE 4G LTE/5G Omni-Directional Outdoor Antenna is designed to enhance signal strength for various cellular devices. It features a rugged ABS and aluminum housing with pure copper internal components and an RG58 cable, supporting a wide frequency range of 698-2700 MHz and 3300-3800 MHz with a 10 dBi omnidirectional gain. It boasts low VSWR and robust materials that comply with RoHS standards, includes mounting hardware for easy installation, and offers vertical polarization for versatile applications.

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Video: Overview of the BOOBRIE 4G 5G LTE Omni-Directional Antenna, highlighting its high gain and features.

2. PRODUCT OVERVIEW

The BOOBRIE 4G LTE/5G Omni-Directional Outdoor Antenna is engineered for superior signal reception across a broad spectrum of frequencies. Its omni-directional design ensures 360-degree signal reception, making it ideal for improving connectivity in various environments.

SMA/TS9 Outdoor Antenna



Image: The BOOBRIE 4G LTE/5G Omni-Directional Outdoor Antenna, showcasing the main unit, mounting bracket, cable, and SMA/TS9 adapters.

This antenna is built with a rugged, waterproof structure designed to withstand various outdoor elements, ensuring reliable performance in diverse weather conditions.

Sturdy Build And Weatherproof Construction



Sun exposure



IP67 Waterproof



Snowstorm



Frost



Anticorrosion

Image: Visual representation of the antenna's robust and weatherproof construction, highlighting its durability against environmental factors.

3. PACKAGE CONTENTS

Please verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- 1x BOOBRIE 4G LTE/5G Omni-Directional Outdoor Antenna with 16.4ft (5M) RG58 Cable
- 1x SMA Male Connector
- 1x TS9 Male Connector Adapter
- 2x Mounting Bracket U-bolt washers and screws

Package Listing



Image: A clear depiction of all components included in the antenna package, ensuring users can easily identify each part.

4. SETUP AND INSTALLATION

Proper installation is crucial for optimal antenna performance. Follow these steps carefully:

1. **Select the Installation Location:** Choose a location that is as open as possible, ideally facing the direction of the

signal source (e.g., cellular tower). Avoid low positions, areas with significant obstacles (buildings, dense trees), and ensure the antenna is not the highest protrusion on your roof to prevent lightning strikes. If it is the highest protrusion, place a lightning rod nearby.

2. **Mount the Antenna:** Securely mount the antenna using the provided mounting bracket, U-bolt washers, and screws. Ensure it is mounted vertically for best omni-directional reception.
3. **Connect the Antenna:** Before connecting, turn off the power to your device (router, modem, etc.). The antenna features SMA Male connectors and includes TS9 Male Connector Adapters. Confirm your device's port type (SMA or TS9) and use the appropriate connector or adapter. If your device has only one TS9 interface, you may need a Y-type 2-to-1 adapter (not included).
4. **Minimize Cable Loss:** Keep the coaxial cable as short as possible and use high-quality cable to minimize signal loss.
5. **Configure Your Device:** Switch your router or CPE device to external antenna mode. This can often be done via a mechanical switch or through the device's network settings interface.

Product Parameters Table	
Product Name	Omnidirectional 4G LTE Antenna Outdoor
Frequency Range	698-2700 MHz and 3300-3800 MHz
Gain	10dBi
VSWR	< 1.5
Impedance	50Ω
Cable Length	5 m

Package Listing



www.boobrie.net

support@boobrie.net

01 Check Network Bands

Inspect the network bands you are using. Depending on the device type (Android, iOS, or other), employ different methods, or utilize third-party applications.



03 Mount the Antenna

Mount the antenna securely using the appropriate brackets and hardware.

04 Connect the Device

Configure the connecting device to "External Antenna" input mode



02 Select the Installation Location

1. Test Signal Strength: Utilize a signal strength meter or a mobile application to test the signal at various locations.

2. Check Line of Sight: Ensure a clear line of sight to the base station. Make sure it is positioned to receive signals from all directions. Avoid installing the antenna behind large obstacles.

3. Minimize Cable Loss: Keep the length of the coaxial cable as short as possible and use high-quality cable to minimize signal loss.



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Image: A visual guide illustrating the four key steps for installing the antenna, from network band checking to device connection.

Install an antenna, say goodbye to signal woes.



Image: An illustration demonstrating the best antenna mounting location on a house, emphasizing height and clear line of sight, while showing incorrect placements.

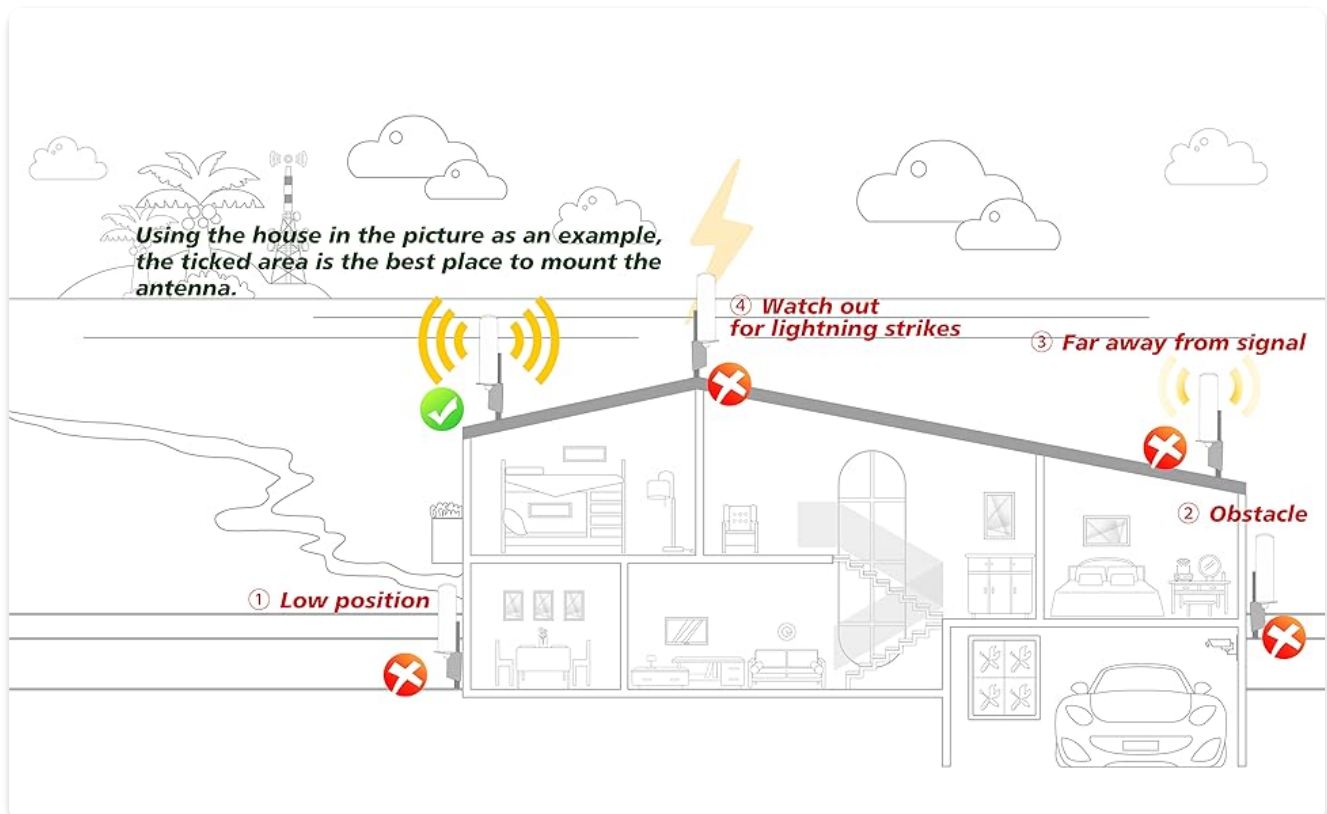


Image: Instructions on how to switch a router or CPE device to external antenna mode, either via a physical switch or through network settings, and connecting the SMA connectors.

Adapt a 4G/LTE/5G CPE router with two SMA or TS9 connectors.

Antenna Name	TS9	SMA
Antenna Port Type		
Specified Equipment Port Type		

Note: Both antenna ports need to be connected to the device connection ports simultaneously. If the device has only one TS9 interface, you need to purchase a Y-type 2-to-1 adapter. If the device is CRC9 or other interfaces, you also need to purchase the corresponding adapter.



Image: A guide to identifying TS9 and SMA connector types on both the antenna and the compatible device, ensuring correct connection.

5. OPERATING INSTRUCTIONS

Once the antenna is correctly installed and connected to your compatible device (4G LTE/5G router, CPE, modem, gateway, cellular trail camera, etc.), power on your device. The antenna will automatically begin receiving signals within its supported frequency ranges (698-2700 MHz and 3300-3800 MHz). No further configuration is typically required for the antenna itself, as its omni-directional design ensures broad signal capture.

Ensure your connected device is configured to use the external antenna ports. Refer to your device's manual for specific settings if needed.

6. MAINTENANCE

The BOOBRIE 4G LTE/5G Omni-Directional Outdoor Antenna is designed for minimal maintenance due to its rugged and weatherproof construction. However, periodic checks can help ensure continued optimal performance:

- **Inspect Connections:** Periodically check all cable connections to ensure they are secure and free from corrosion.
- **Clean the Antenna:** If the antenna accumulates excessive dirt or debris, gently clean it with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials.
- **Check Mounting:** Ensure the mounting hardware remains tight and the antenna is still securely positioned, especially after severe weather conditions.
- **Cable Integrity:** Inspect the cable for any signs of wear, cuts, or damage. Replace damaged cables to prevent signal degradation.

7. TROUBLESHOOTING

If you experience issues with signal reception, consider the following troubleshooting steps:

- **No Signal or Weak Signal:**
 - **Check Installation Location:** Ensure the antenna is mounted in an optimal location with a clear line of sight to the nearest cellular tower. Relocate if necessary.
 - **Verify Connections:** Confirm that all cables are securely connected to both the antenna and your device.
 - **Device Configuration:** Make sure your router/modem is set to use the external antenna.
 - **Power Cycle:** Turn off your device, wait a few seconds, and then turn it back on.
- **Intermittent Signal:**
 - **Environmental Factors:** Heavy rain, snow, or strong winds can temporarily affect signal.
 - **Interference:** Ensure the antenna is not too close to other electronic devices that might cause interference.
- **Check Network Band:** It can be helpful to identify the network band your device is currently using.



BOOBRIE

-  **Dual RG58 Cable**
Dual Cable Antenna: Transmits horizontal and vertical signals simultaneously
-  **RG58 Cable**
Faster transmission speeds and lower attenuation
-  **Stronger anti-interference capability**
-  **Signal dead spot improvement**
Enhance signal reception range and quality through dual antennas to reduce signal attenuation caused by obstacles or distance.




Others

-  **Single rg174 Cable**
-  **RG174 Cable**
-  **Poor anti-interference capability**
-  **Signal dead spots abound**


Image: A guide detailing how to check your current network band on both Android and iOS devices, which can be useful for diagnosing signal issues.


Check which network band you are using




Android:

- ① Download "Network Cell Info Lite"
- ② Check the Fre Band
- ③ Confirm your Fre Band







iOS:

- ① Dial*3001#12345#* and press call button
- ② Choose ALL Matrics
- ③ Click Serving Cell Info
- ④ Check Band Info

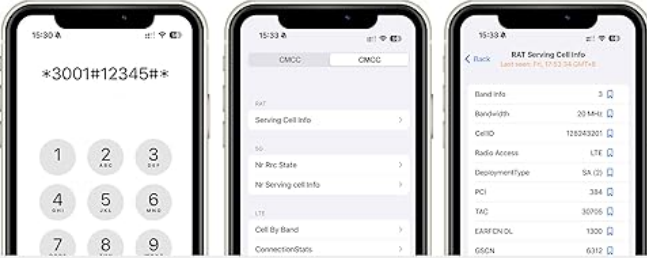


Image: Illustrates common signal problems like dropped calls and offline devices, and how installing the antenna can lead to stable signals and full bars.

8. SPECIFICATIONS

Feature	Detail
Frequency Range	698-2700 MHz, 3300-3800 MHz
Gain	10dBi - 12dBi
Impedance	50 ohms
Direction	Omni-directional
VSWR	< 1.5
Cable Length	5 meters (16.4 feet)
Cable Type	RG58
Antenna Connector	SMA Male (with TS9 Male Connector Adapter)
Polarization	Vertical
Material	Rugged ABS and Aluminum Housing
Compatibility	4G LTE/5G Routers, CPE, Modems, Gateways, Cellular Trail Cameras (e.g., Huawei B525/B315, ZTE MF28 series, SPYPOINT, TACTACAM Reveal, Stealth CAM, Reolink GO). Supports AT&T, Verizon, T-Mobile networks.

Frequency Range :
698/2700-3300/3800MHz

Impedance : 50 omh

VSWR < 1.5

Gain : 10 DBI

Vertical Polarization

Omni- directional Antenna

Antenna Connector: SMA

Male



Image: Detailed diagram outlining the physical dimensions and technical specifications of the antenna, including frequency range, gain, and impedance.

9. WARRANTY

This BOOBRIE 4G LTE/5G Omni-Directional Outdoor Antenna comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and material faults under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation. For warranty claims or further details, please retain your proof of purchase and contact our customer support.

10. SUPPORT

If you have any questions, require technical assistance, or need further support regarding your BOOBRIE 4G LTE/5G Omni-Directional Outdoor Antenna, please do not hesitate to contact our customer service team.

Email: support@boobrie.net

Our team is dedicated to providing you with considerate and helpful service.