

BINGFU BFN00213

BINGFU Dual Band WiFi 2.4GHz/5GHz/5.8GHz 9dBi Magnetic Base RP-SMA Male Antenna

Model: BFN00213

INTRODUCTION

This manual provides comprehensive instructions for the BINGFU Dual Band WiFi 2.4GHz/5GHz/5.8GHz 9dBi Magnetic Base RP-SMA Male Antenna. This antenna is designed to enhance wireless connectivity for various devices, including WiFi routers, wireless network cards, USB adapters, and security IP cameras. Please read this manual carefully before installation and operation to ensure proper use and optimal performance.

SETUP INSTRUCTIONS

Follow these steps to properly set up your antenna:

- 1. Identify the Connector Type:** Ensure your device has an RP-SMA Female connector. The BINGFU antenna features an RP-SMA Male connector, which has a central hole and no pin. This is distinct from an SMA Male connector, which has a central pin. Confirm compatibility before proceeding.
- 2. Connect the Antenna:** Carefully screw the RP-SMA Male connector of the antenna onto the corresponding RP-SMA Female port on your device (e.g., WiFi router, network card, USB adapter, or IP camera). Hand-tighten until secure, but do not overtighten.
- 3. Position the Magnetic Base:** Place the magnetic base of the antenna on a suitable metallic surface for stability and optimal signal reception. The 3-meter (10-foot) RG174 coaxial cable allows for flexible placement.

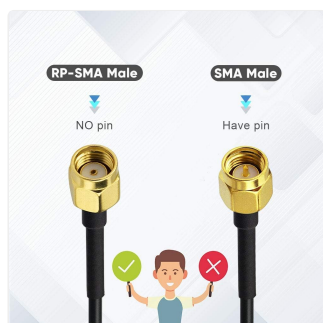


Image: Comparison of RP-SMA Male (left, no pin) and SMA Male

(right, with pin) connectors.
Ensure your device matches the
RP-SMA Male antenna.



Image: Illustration of the antenna connecting to a camera or router interface. The antenna's RP-SMA Male connector is shown attaching to the device's port.



Image: Illustration of the antenna connecting to a WiFi USB adapter interface. The antenna's RP-SMA Male connector is shown attaching to the adapter's port.



Image: Depiction of the magnetic base mounting feature. The antenna can be securely placed on metallic surfaces.

OPERATING INSTRUCTIONS

The BINGFU antenna is designed for straightforward operation once connected:

- **Dual Band Functionality:** This antenna supports both 2.4GHz and 5GHz/5.8GHz WiFi bands. Your connected device will automatically utilize the appropriate frequency based on its configuration and network availability.
- **Omni-directional Coverage:** The antenna provides omni-directional signal coverage, meaning it transmits and receives signals in all horizontal directions. This simplifies placement as precise aiming is not required.
- **Optimal Placement:** For best performance, position the antenna in an open area, away from large metal objects, thick walls, or other obstructions that could interfere with wireless signals. Experiment with different

locations to find the best signal strength for your application.



Image: The antenna highlighting its support for 2.4GHz and 5.8GHz WiFi bands, indicating its dual-band capability.

MAINTENANCE

To ensure the longevity and consistent performance of your BINGFU antenna, follow these simple maintenance guidelines:

- **Cleaning:** Periodically wipe the antenna and its magnetic base with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals or abrasive cleaners.
- **Physical Inspection:** Regularly check the antenna and cable for any signs of damage, such as bends, cuts, or loose connections. Address any issues promptly.
- **Environmental Conditions:** While designed for durability, avoid exposing the antenna to extreme temperatures or prolonged direct sunlight beyond its specified operating and storage ranges.

TROUBLESHOOTING

If you encounter issues with your BINGFU antenna, consider the following troubleshooting steps:

- **No Signal or Poor Signal:**
 - Verify that the antenna is securely connected to your device's RP-SMA Female port.
 - Reposition the antenna to a different location, ideally higher and away from obstructions, to improve signal reception.
 - Ensure your device's wireless settings are correctly configured for the 2.4GHz or 5GHz/5.8GHz band.
- **Antenna Does Not Fit:**
 - Confirm that your device requires an RP-SMA Male antenna. This antenna is not compatible with SMA Male or other connector types. Refer to your device's manual for its specific antenna connector requirements.
- **Intermittent Connection:**
 - Check for potential sources of interference, such as other electronic devices, microwaves, or cordless phones operating on similar frequencies.
 - Ensure the cable is not damaged or kinked.

PRODUCT SPECIFICATIONS

Model Number	BFN00213
Gain	9dBi
Frequency Range	Dual Band WiFi 2.4GHz (2400 - 2485 MHz), 5GHz/5.8GHz (5150 - 5850 MHz)
Direction	Omni-directional
Antenna Connector	RP-SMA Male Connector
Cable Type	RG174 Coaxial Cable
Cable Length	3 meters (10 feet)
Feature	Magnetic Base Mounting
Impedance	50 Ohm
VSWR	< 2.0
Polarization	Linear Vertical
Net Weight	62g (per antenna)
Operating Temperature	-20°C ~ +80°C
Storage Temperature	-30°C ~ +85°C
Antenna Length	22 cm / 8.6 inches

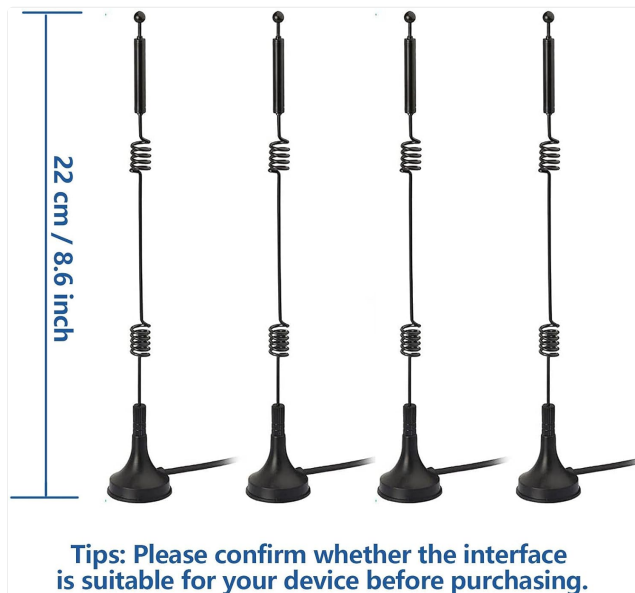


Image: The antenna showing its approximate length of 22 cm (8.6 inches).



Image: Detailed view of the antenna's components, including the tip, coiled sections, magnetic base, and RP-SMA connector.

WARRANTY INFORMATION

This BINGFU product is covered by the standard manufacturer's warranty. For specific details regarding warranty terms, duration, and claim procedures, please refer to the official BINGFU website or contact customer support directly. Keep your purchase receipt as proof of purchase for any warranty claims.

CUSTOMER SUPPORT

For further assistance, technical support, or inquiries about your BINGFU antenna, please visit the official BINGFU store or contact their customer service department.

Official BINGFU Store: [BINGFU Antennas Connectivity](#)