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› Ubiquiti Networks Rocket Prism AC RP-5AC-GEN2 and AirMAX Sector Antenna AM-5G20-120 User Manual

## Ubiquiti Networks RP-5AC-GEN2, AM-5G20-120

# Ubiquiti Networks Rocket Prism AC RP-5AC-GEN2 and AirMAX Sector Antenna AM-5G20-120 User Manual

Model: RP-5AC-GEN2, AM-5G20-120

## INTRODUCTION

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This manual provides instructions for the installation, operation, and maintenance of the Ubiquiti Networks Rocket Prism AC RP-5AC-GEN2 5GHz Wireless AP BaseStation and the AirMAX Sector Antenna AM-5G20-120. This combined system is designed for high-performance wireless networking applications.

## PRODUCT OVERVIEW

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The Ubiquiti Rocket Prism AC RP-5AC-GEN2 is a 5GHz Wireless Access Point BaseStation, and the AirMAX Sector Antenna AM-5G20-120 is a 20 dBi, 90° 2x2 MIMO sector antenna. Together, they form a robust solution for point-to-multipoint (PtMP) bridging and other wireless infrastructure needs.



**Figure 1:** Ubiquiti Networks Rocket Prism AC RP-5AC-GEN2 BaseStation and AirMAX Sector Antenna AM-5G20-120. The BaseStation is a rectangular white unit with LED indicators and the 'PRISM' and 'rocket AC GEN2' logos. The antenna consists of three white cylindrical elements with mounting hardware visible on the side.

### Key Components:

- **Rocket Prism AC RP-5AC-GEN2:** The radio unit responsible for wireless communication.
- **AirMAX Sector Antenna AM-5G20-120:** The antenna unit designed to provide a 90° coverage area.
- **Mounting Hardware:** Brackets and fasteners for securing the antenna and radio.

## SETUP

### 1. Unpacking and Inspection:

- Carefully unpack all components.
- Verify that all items listed in the packaging contents are present and undamaged.
- Contact your vendor immediately if any parts are missing or damaged.

### 2. Mounting the Antenna and Radio:

1. Attach the Rocket Prism AC RP-5AC-GEN2 radio to the AirMAX Sector Antenna AM-5G20-120 using

the provided mounting bracket. Ensure a secure fit.

2. Mount the assembled unit to a pole or mast using the included mounting hardware. Ensure the mounting surface is stable and capable of supporting the device's weight and wind load.
3. Orient the antenna to achieve the desired coverage area.

### 3. Connecting Cables:

1. Connect an Ethernet cable from the PoE adapter (not included, typically sold separately) to the LAN port on the Rocket Prism AC RP-5AC-GEN2.
2. Connect the PoE adapter to a power source.
3. Ensure all connections are secure and weatherproofed if exposed to outdoor elements.

## OPERATING INSTRUCTIONS

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### 1. Powering On:

Once the Ethernet and power cables are connected, the device will power on automatically. Observe the LED indicators for status.

### 2. Initial Configuration:

1. Access the device's web interface via a web browser. The default IP address is typically 192.168.1.20. Refer to the Ubiquiti documentation for specific default credentials.
2. Configure network settings, wireless mode (AP), SSID, security protocols, and other relevant parameters according to your network requirements.
3. Save all configuration changes.

### 3. LED Indicators:

The Rocket Prism AC RP-5AC-GEN2 features several LED indicators to provide status information:

- **Power LED:** Indicates power status.
- **LAN LED:** Indicates Ethernet link activity.
- **GPS LED:** Indicates GPS synchronization status (if applicable).
- **Signal LEDs:** Multiple LEDs indicate wireless signal strength.

Refer to the official Ubiquiti documentation for a detailed explanation of LED behavior.

## MAINTENANCE

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### 1. Firmware Updates:

Regularly check for and install the latest firmware updates from the Ubiquiti website. Firmware updates often include performance improvements, security patches, and new features.

### 2. Cleaning:

Periodically inspect the device for dust, dirt, or debris, especially on the antenna surface and ventilation openings. Use a soft, dry cloth for cleaning. Do not use liquid cleaners or solvents.

### 3. Environmental Considerations:

Ensure the device is operating within its specified temperature and humidity ranges. Protect outdoor installations from extreme weather conditions where possible.

## TROUBLESHOOTING

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### Common Issues:

- **No Power:** Verify the power adapter is correctly connected and receiving power. Check all cable connections.
- **No Network Connection:** Ensure Ethernet cables are properly seated. Check network configuration settings in the web interface. Confirm the PoE adapter is functioning.
- **Poor Wireless Performance:** Check antenna alignment. Ensure there are no obstructions. Verify channel selection and power levels in the configuration.

### Resetting the Device:

If the device is unresponsive or you need to revert to factory settings, locate the reset button (typically a small pinhole) on the Rocket Prism AC RP-5AC-GEN2. With the device powered on, press and hold the reset button for approximately 10 seconds until the LEDs flash, then release. The device will reboot with factory default settings.

## SPECIFICATIONS

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Feature	Detail
Product Type	5GHz Wireless AP BaseStation with Sector Antenna
Brand	Ubiquiti Networks
Model (BaseStation)	RP-5AC-GEN2
Model (Antenna)	AM-5G20-120
Antenna Gain	20 dBi
Antenna Beamwidth	90°
MIMO	2x2
Frequency	5 GHz
Color	White
Item Weight	11.58 pounds
Package Dimensions	35 x 8.11 x 6.5 inches
UPC	703624197315

## WARRANTY AND SUPPORT

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### Warranty Information:

Ubiquiti Networks products typically come with a limited warranty. Please refer to the official Ubiquiti Networks website or the warranty card included with your product for detailed terms and conditions regarding warranty coverage and duration.

### Technical Support:

For technical assistance, troubleshooting beyond this manual, or to report issues, please visit the official Ubiquiti Networks support website. You can find resources such as knowledge bases, forums, and contact information for their support team.

**Online Resources:** [Ubiquiti Networks Support](#)