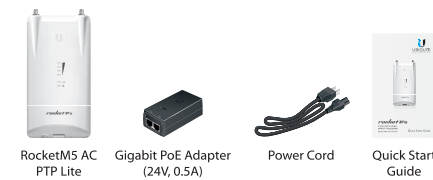# UBIQUITI
N E T W O R K S

rocket™M5 ac

5 GHz Carrier Class
airMAX® BaseStation
Model: RM5-AC-PTP
R5AC-PTP

QUICK START GUIDE

Introduction

Thank you for purchasing the Ubiquiti Networks™ Rocket™M5 AC PTP Lite. This Quick Start Guide is designed to guide you through installation and show how to access the airOS® Configuration Interface. This guide also includes the warranty terms and is for use with the RocketM5 AC PTP Lite in Point-to-Point links.

Package Contents

RocketM5 AC PTP Lite   Gigabit PoE Adapter (24V, 0.5A)   Power Cord   Quick Start Guide
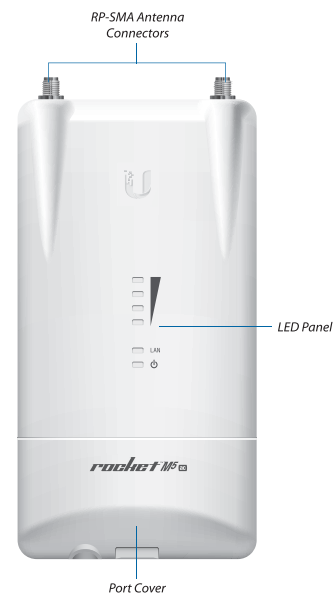
Installation Requirements

• Shielded Category 5 (or above) cabling should be used for all wired Ethernet connections and should be grounded through the AC ground of the PoE.

  We recommend that you protect your networks from the most brutal environments and devastating ESD attacks with industrial-grade shielded Ethernet cable from Ubiquiti Networks. For more details, visit **www.ubnt.com/toughcable**

TERMS OF USE: Ubiquiti radio devices must be professionally installed. Shielded Ethernet cable and earth grounding must be used as conditions of product warranty. TOUGHCable™ is designed for outdoor installations. It is the customer's responsibility to follow local country regulations, including operation within legal frequency channels, output power, and Dynamic Frequency Selection (DFS) requirements.

Hardware Overview

RP-SMA Antenna Connectors
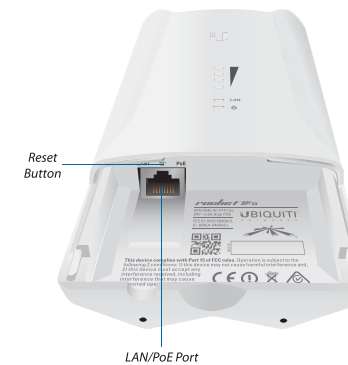
LED Panel

Port Cover

LED Panel

Signal The default wireless signal strength values are shown below:

LED will light blue when the wireless signal strength is equal to or above -65 dBm.

LED will light blue when the wireless signal strength is equal to or above -73 dBm.

LED will light blue when the wireless signal strength is equal to or above -80 dBm.

LED will light blue when the wireless signal strength is equal to or above -94 dBm.

LAN **LAN** The main Ethernet LED will light steady blue when an active Ethernet connection is made to the *LAN* port and flash when there is activity.

Power The Power LED will light blue when the device is connected to a power source.

Ports

Reset Button

LAN/PoE Port

Reset Button

LAN/PoE This Gigabit Ethernet port is used to connect the power and should be connected to the LAN.

Reset Button To reset to factory defaults, press and hold the *Reset* button for more than 10 seconds while the Rocket is already powered on. Alternatively, the Rocket may be reset remotely via a *Reset* button located on the bottom of the *Gigabit PoE Adapter*.

Hardware Installation

The RocketM5 AC PTP is designed to mount directly onto a Ubiquiti airMAX RocketDish™ antenna.

1. Lift the release latch on the bottom of the Rocket and slide the *Port Cover* off.
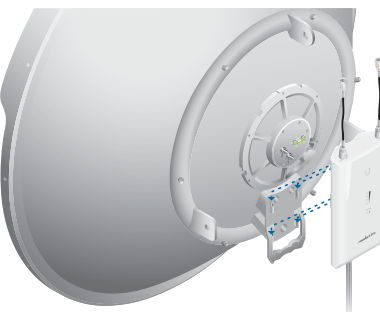

2. Connect an Ethernet cable to the *LAN* port.

3. Replace the *Port Cover*.
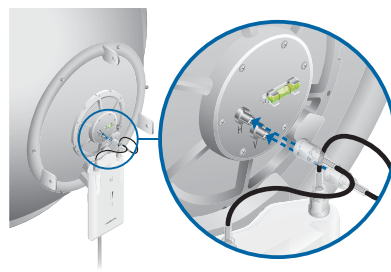
640-00104-02

4. Connect the RF cables (included with the RocketDish) to the *RP-SMA Connectors* located on top of the Rocket.
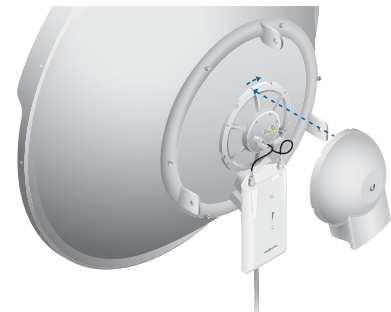

5. Attach the Rocket to the RocketDish.
   a. Align the mounting tabs on the back of the Rocket with the four mounting slots on the RocketDish.
   b. Slide the Rocket down until it locks into place.

6. Attach the other end of the *RF Cables* to the RF connectors in this combination: *Chain 1* to *H* and *Chain 0* to *V*.

7. Attach the *Protective Shroud*.
   a. Align the hash mark on the top of the shroud with the notch on the RocketDish.
   b. Rotate the shroud clockwise until it locks into place.
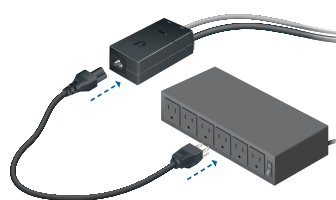

Connecting Power over Ethernet

1. Connect the other end of the Ethernet cable from the *Rocket* to the Ethernet port labeled **POE** on the *Gigabit PoE Adapter*.

2. Connect an Ethernet cable from your LAN to the Ethernet port labeled **LAN** on the *Gigabit PoE Adapter*.

3. Connect the *Power Cord* to the power port on the *Gigabit PoE Adapter*. Connect the other end of the *Power Cord* to a power outlet.
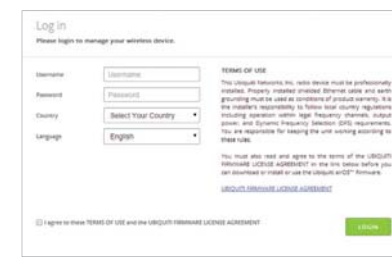

Accessing airOS

Connect to the airOS Configuration Interface.

1. Make sure that your host machine is connected via Ethernet to the Rocket.
2. Configure the Ethernet adapter on your host system with a static IP address on the 192.168.1.x subnet.
3. Launch your web browser. Type **https://192.168.1.20** in the address field. Press **enter** (PC) or **return** (Mac).

https://192.168.1.20

4. The login screen will appear. Enter **ubnt** in the *Username* and *Password* fields. Select your *Country* and *Language*. You must agree to the *Terms of Use* to use the product. Click **Login**.
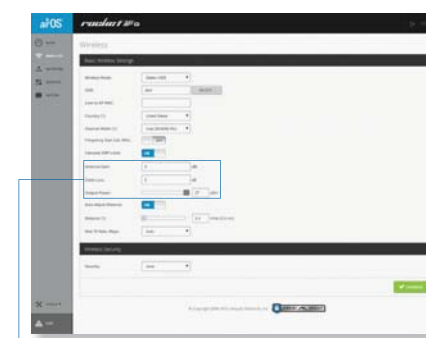

Note: For the *Country* setting, U.S. product versions are restricted to a choice of Canada, Puerto Rico, or the U.S. to ensure compliance with FCC/IC regulations.

The airOS Configuration Interface will appear, allowing you to customize your settings as needed. For additional details on the airOS Configuration Interface, refer to the User Guide available at **documentation.ubnt.com/airmax**

Installer Compliance Responsibility

Devices must be professionally installed and it is the professional installer's responsibility to make sure the device is operated within local country regulatory requirements.

Since Ubiquiti Networks equipment can be paired with a variety of antennas and cables, the *Antenna Gain*, *Cable Loss*, and *Output Power* fields are provided to the professional installer to assist in meeting regulatory requirements.

Specifications

RocketM5 AC PTP Lite	
Dimensions	162 x 84 x 37 mm (6.4 x 3.3 x 1.5 in)
Weight	250 g (8.82 oz)
Operating Frequency	Worldwide: 5170 - 5875 MHz USA: 5725 - 5850 MHz
Networking Interface	(1) 10/100/1000 Ethernet Port
RF Connectors	(2) RP-SMA (Waterproof)
Enclosure	Outdoor UV Stabilized Plastic
Max. Power Consumption	8.5 W
Power Supply	24V, 0.5A Gigabit PoE Adapter (Included)
Power Method	Passive PoE (Pairs 4, 5+; 7, 8 Return)
Operating Temperature	-40 to 80° C (-40 to 176° F)
Operating Humidity	5 to 95% Non-Condensing
ESD/EMP Protection	24KV Contact / Air for Ethernet
Shock and Vibrations	ETSI300-019-1.4
Certifications	CE, FCC, IC