

Ubiquiti Networks U6-PRO

Ubiquiti Networks Access Point WiFi 6 Pro (U6-PRO) Instruction Manual

Model: U6-PRO

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Ubiquiti Networks Access Point WiFi 6 Pro (U6-PRO). Please read this manual thoroughly before using the device to ensure optimal performance and safety.

2. SAFETY INFORMATION

Observe the following safety guidelines to prevent injury and damage to the device:

- Read, follow, and keep these instructions.
- Heed all warnings.
- Only use attachments/accessories specified by the manufacturer.
- Do not use this product in locations that can be submerged by water.
- Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Ubiquiti Networks Access Point WiFi 6 Pro (U6-PRO)
- Mounting Plate
- Mounting Hardware (screws, wall anchors)
- Quick Start Guide (not included in this digital manual)



Image: Front view of the Ubiquiti Networks Access Point WiFi 6 Pro.

4. PRODUCT OVERVIEW

The Ubiquiti Networks Access Point WiFi 6 Pro (U6-PRO) is a high-performance wireless access point designed for robust network connectivity. It supports the latest Wi-Fi 6 standard and offers dual-band operation for optimal speed and coverage.

Physical Features

- **Management Interface:** Ethernet and Bluetooth
- **Network Interface:** (1) GbE RJ45 port
- **Buttons:** Factory reset
- **LED:** White/Blue indicator



Image: Angled view of the Ubiquiti Networks Access Point WiFi 6 Pro.



Image: Rear view of the Access Point showing the Ethernet port and reset button.

5. SETUP

The U6-PRO Access Point is designed for easy installation and integration into your network. It supports Power over Ethernet (PoE+) for simplified power and data delivery.

5.1 Mounting

The device can be wall-mounted or ceiling-mounted. Use the provided mounting plate and hardware for secure installation. A template is included to assist with drilling pilot holes.



Image: The mounting plate for the Ubiquiti Networks Access Point WiFi 6 Pro.

5.2 Connectivity

Connect an Ethernet cable from your PoE+ switch or PoE injector to the GbE RJ45 port on the back of the U6-PRO. The device will power on automatically.

5.3 Initial Configuration

The U6-PRO can be configured using the UniFi Network application on your mobile device or through a UniFi Controller software/hardware. Follow the on-screen instructions in the application to adopt and configure the access point into your network.

6. OPERATING INSTRUCTIONS

Once configured, the U6-PRO will broadcast your Wi-Fi networks. You can manage various settings and monitor performance through the UniFi Network application.

6.1 Wireless Features

- **Supported Standards:** Wi-Fi 802.11a/b/g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
- **Frequency Bands:** Dual-Band (2.4 GHz and 5 GHz)
- **MIMO:** 2.4GHz / 2x2 (UL MU-MIMO), 5GHz / 4x4 (DL/UL MU-MIMO)
- **Data Rates:** Up to 573.5 Mbps on 2.4GHz and 4.8 Gbps on 5GHz
- **Antenna Gain:** 2.4GHz / 4dBi, 5GHz / 6dBi

6.2 Security and Advanced Features

- **Wireless Security:** WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3)
- **VLAN:** 802.1Q support
- **Advanced QoS:** Rate limiting per user
- **Guest Traffic:** Dedicated guest network capabilities
- **Simultaneous Clients:** Supports 300+ clients

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your U6-PRO Access Point.

- **Firmware Updates:** Regularly check for and apply firmware updates through the UniFi Network application or controller to ensure the latest features and security patches.
- **Cleaning:** Keep the device clean and free from dust. Use a soft, dry cloth for cleaning. Do not use liquid cleaners.
- **Environmental Conditions:** Ensure the device operates within the specified temperature and humidity ranges to prevent damage.

8. TROUBLESHOOTING

If you encounter issues with your U6-PRO Access Point, consider the following troubleshooting steps:

- **No Power/LED Off:** Verify the Ethernet cable is securely connected and your PoE+ switch or injector is providing power.
- **Connectivity Issues:** Check the Ethernet cable connection. Ensure the access point is adopted and configured correctly in your UniFi Network application. Restart the access point.
- **Slow Speeds:** Check for interference from other wireless devices. Ensure the access point is placed optimally for coverage. Verify your internet service provider's speed.
- **Factory Reset:** If the device is unresponsive or you need to reset its configuration, press and hold the reset button for approximately 5-10 seconds until the LED flashes.
- **App/Controller Issues:** Ensure your UniFi Network application or controller is up-to-date and running correctly.

9. SPECIFICATIONS

Feature	Description
Brand	Ubiquiti Networks
Model Name	U6-Pro
Wireless Standard	802.11ax (Wi-Fi 6)
Frequency Band Class	Dual-Band (2.4 GHz, 5 GHz)

Feature	Description
Data Transfer Rate	Up to 4800 Mbps (5 GHz), 573.5 Mbps (2.4 GHz)
LAN Port Bandwidth	1 Gbps
Power Method	PoE+ (44-57V DC)
Max. Power Consumption	13W
Operating Temperature	-30 to 60° C (-22 to 140° F)
Dimensions (Ø x H)	197 x 35mm (7.76 x 1.38")
Weight	460 g (1.01 lb) without stand, 600 g (1.32 lb) with stand
Security Protocol	WPA-Enterprise, WPA-PSK, WPA2-PSK, WPA3
Operating System	UniFi OS

10. WARRANTY AND SUPPORT

The Ubiquiti Networks Access Point WiFi 6 Pro comes with a one-year warranty against factory defects. For technical support, product documentation, and community forums, please visit the official Ubiquiti Networks website: www.ui.com.

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

