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Ubiquiti UK-Ultra / U-POE-af

Ubiquiti UK-Ultra Wi-Fi 5 Access Point and U-POE-af PoE Adapter Instruction Manual

Model: UK-Ultra / U-POE-af

1. PRODUCT OVERVIEW

This bundle provides a robust wireless networking solution, combining the Ubiquiti UK-Ultra Swiss Army Knife Wi-Fi 5 Indoor and Outdoor Access Point with the Ubiquiti U-POE-af 48 VDC Passive PoE Adapter. Designed for expanding wireless coverage, this system offers reliable Wi-Fi connectivity for various environments.

Key Features:

- **UK-Ultra Wi-Fi 5 Access Point:** Provides high-speed Wi-Fi 5 (802.11ac) connectivity for both indoor and outdoor deployments.
- **U-POE-af Passive PoE Adapter:** Supplies power and data over a single Ethernet cable, simplifying installation.
- **Dual-Band Operation:** Supports both 2.4 GHz and 5 GHz frequency bands for flexible network performance.
- **Versatile Use:** Suitable for business environments, handling large spaces, multiple floors, and numerous connected devices.

2. WHAT'S IN THE BOX

The TWA Bundle includes the following components:

- Ubiquiti UK-Ultra Wi-Fi 5 Access Point
- Ubiquiti U-POE-af 48 VDC Passive PoE Adapter

3. SETUP GUIDE

Follow these steps to set up your Ubiquiti UK-Ultra Access Point and U-POE-af PoE Adapter.

3.1. Physical Installation

1. **Choose a Location:** Select a central location for the UK-Ultra Access Point to maximize Wi-Fi coverage. It can be mounted indoors or outdoors. For optimal performance, consider ceiling or wall mounting.
2. **Mount the Access Point:** Securely mount the UK-Ultra Access Point using appropriate hardware (not included). Ensure proper cable routing.

3. Connect the PoE Adapter:

- Connect an Ethernet cable from your network switch or router to the **LAN** port of the U-POE-af PoE Adapter.
- Connect another Ethernet cable from the **POE** port of the U-POE-af PoE Adapter to the Ethernet port on the UK-Ultra Access Point. This cable will provide both data and power to the Access Point.
- Plug the U-POE-af PoE Adapter into a power outlet.



Figure 1: Ubiquiti UK-Ultra Wi-Fi 5 Access Point. This image shows the compact, white access point with a subtle 'U' logo and a small blue indicator light, designed for discreet placement.



Figure 2: Ubiquiti U-POE-af Passive PoE Adapter. This image displays the white PoE adapter with 'U' branding and 'af' label, featuring ports for LAN and POE connections.

3.2. Software Configuration

1. **Download UniFi Network Application:** Install the Ubiquiti UniFi Network application on your computer or mobile device. This application is essential for managing and configuring your Access Point.
2. **Discover and Adopt:** Launch the UniFi Network application. It will automatically discover the newly connected UK-Ultra Access Point. Follow the on-screen prompts to "adopt" the device into your UniFi network.
3. **Configure Wi-Fi Settings:** Once adopted, you can configure your Wi-Fi network (SSID, password, security settings) through the UniFi Network application.
4. **Firmware Updates:** Ensure the Access Point's firmware is up to date for optimal performance and security. The UniFi Network application will typically notify you of available updates.

4. OPERATING INSTRUCTIONS

Once configured, the Ubiquiti UK-Ultra Access Point will broadcast your Wi-Fi network. Connect your wireless devices (laptops, smartphones, tablets, smart home devices) to the configured SSID using the password you set.

Advanced Features (via UniFi Network Application):

- **Guest Access:** Create separate Wi-Fi networks for guests, providing internet access without compromising your main network security.
- **Traffic Prioritization (QoS):** Prioritize certain devices or applications to ensure smooth performance for critical tasks like video conferencing or gaming.
- **Network Monitoring:** Monitor network performance, connected clients, and potential issues through the UniFi Network application dashboard.
- **Seamless Roaming:** For multiple Access Point deployments, UniFi ensures seamless roaming between access points for uninterrupted connectivity.

5. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your Access Point.

- **Keep Clean:** Periodically wipe the exterior of the Access Point with a soft, dry cloth. Avoid using liquid cleaners or aerosols.
- **Firmware Updates:** Regularly check for and install firmware updates through the UniFi Network application. Updates often include performance improvements, security patches, and new features.
- **Environmental Conditions:** Ensure the Access Point operates within its specified temperature and humidity ranges. Avoid exposing it to direct sunlight or extreme weather conditions if installed outdoors.

6. TROUBLESHOOTING

If you encounter issues, refer to the following common troubleshooting steps:

- **No Wi-Fi Signal:**
 - Verify the PoE adapter is powered on and the Access Point's indicator light is active.
 - Check all Ethernet cable connections.
 - Ensure the Access Point is adopted and configured in the UniFi Network application.
- **Slow Wi-Fi Speed:**
 - Check for interference from other wireless devices or networks.
 - Ensure the Access Point is placed optimally for coverage.
 - Verify your internet service provider (ISP) speed.
 - Update Access Point firmware.
- **Cannot Access UniFi Network Application:**
 - Ensure your device is on the same network as the UniFi controller (if self-hosted) or has internet access (for cloud-based controllers).
 - Restart the UniFi Network application or controller.

7. SPECIFICATIONS

Model Name	UK-Ultra / U-POE-af
Manufacturer	Ubiquiti
Brand (Bundle)	TWAComm.com
Wireless Standard	802.11ac (Wi-Fi 5)
Frequency Band Class	Dual-Band (2.4 GHz / 5 GHz)
Connectivity Technology	Ethernet
Antenna Type	Fixed
Special Feature	Access Point Mode
Included Components	Access Point, POE Adapter
Recommended Uses	Business
Compatible Devices	Gaming Console, Personal Computer, Printer, Security Camera, Smart Television

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Ubiquiti documentation or contact TWAComm.com, the seller of this bundle. Keep your purchase receipt for warranty claims.

Online Resources:

- [Ubiquiti Official Website](#)
- [TWAComm.com Amazon Store](#)

