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Ubiquiti Networks UK-Ultra-US

Ubiquiti UniFi Swiss Army Knife Ultra Access Point (UK-Ultra-US) User Manual

Model: UK-Ultra-US

INTRODUCTION

Thank you for choosing the Ubiquiti UniFi Swiss Army Knife Ultra Access Point. This device is an incredibly compact, indoor/outdoor access point designed for versatile deployment. It offers robust Wi-Fi 5 connectivity with 4 spatial streams, providing coverage up to 115 m² (1,250 ft²) with its internal antenna and supporting over 200 connected devices. The UK-Ultra-US is powered using Power over Ethernet (PoE) and features a Gigabit Ethernet uplink. Its design allows for versatile wall, ceiling, and pole mounting, and it includes two RP-SMA connectors for optional external antennas, making it suitable for both indoor and outdoor (weatherproof) environments.

SAFETY INFORMATION

- Read, follow, and keep these instructions.
- Heed all warnings.
- Only use attachments/accessories specified by the manufacturer.
- Do not use this product near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use power supplies listed in the specifications section of this manual.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

PACKAGE CONTENTS



Figure 1: The UniFi Swiss Army Knife Ultra Access Point (left) shown with its various mounting accessories and hardware (right), including wall/ceiling mounts, pole mount straps, screws, and anchors.

- UniFi Swiss Army Knife Ultra Access Point (UK-Ultra-US)
- Wall/Ceiling Mount Plate
- Pole Mount Bracket
- Mounting Screws and Wall Anchors
- Cable Ties (for pole mounting)

PRODUCT OVERVIEW



Figure 2: Front view of the UniFi Swiss Army Knife Ultra Access Point, showing its compact, rectangular design and the Ubiquiti logo with a small LED indicator at the bottom.

The UniFi Swiss Army Knife Ultra Access Point is a compact, rectangular device designed for discreet installation. It features an integrated LED indicator that provides status information. On its sides, it includes a Gigabit Ethernet port for PoE input and data, and two RP-SMA connectors for attaching optional external antennas to extend coverage or optimize signal direction.

LED Indicator Status:

- **White:** Device is ready for setup or disconnected from the UniFi Network Application.
- **Blue:** Device is adopted and functioning correctly within the UniFi Network Application.
- **Flashing White/Blue:** Device is busy (e.g., during firmware upgrade or reset).

SETUP AND INSTALLATION

The UK-Ultra-US offers versatile mounting options for both indoor and outdoor environments. Ensure you have a PoE source (e.g., UniFi PoE switch or PoE injector) available for power.

A. Wall/Ceiling Mounting



Figure 3: The UniFi Swiss Army Knife Ultra Access Point discreetly mounted on a ceiling, demonstrating its low-profile design.

1. **Choose Location:** Select a suitable indoor or outdoor location on a wall or ceiling, ensuring good Wi-Fi coverage and proximity to a PoE source.
2. **Attach Mount Plate:** Use the included screws and wall anchors to securely attach the wall/ceiling mount plate to the desired surface.
3. **Connect Ethernet:** Route an Ethernet cable from your PoE source to the UK-Ultra-US. Connect the Ethernet cable to the Gigabit Ethernet port on the device.
4. **Mount Device:** Align the UK-Ultra-US with the mount plate and slide it into place until it clicks securely.
5. **Optional External Antennas:** If using external antennas, connect them to the RP-SMA connectors before mounting or after, ensuring they are securely fastened.

B. Pole Mounting



Figure 4: The UniFi Swiss Army Knife Ultra Access Point mounted on a pole, demonstrating its outdoor deployment capability with optional external antennas attached.

1. **Choose Location:** Select a suitable outdoor pole location, ensuring good Wi-Fi coverage and proximity to a PoE source.
2. **Attach Pole Bracket:** Secure the pole mount bracket to the pole using the included cable ties. Ensure it is tight and stable.
3. **Connect Ethernet:** Route an Ethernet cable from your PoE source to the UK-Ultra-US. Connect the Ethernet cable to the Gigabit Ethernet port on the device.
4. **Mount Device:** Align the UK-Ultra-US with the pole mount bracket and slide it into place until it clicks securely.
5. **Optional External Antennas:** Connect external antennas to the RP-SMA connectors. These are highly recommended for outdoor pole mounting to maximize range and performance.

C. Software Adoption

Once powered, the UK-Ultra-US will appear in your UniFi Network Application for adoption. Ensure your UniFi Network Application is running and accessible.

1. **Launch UniFi Network Application:** Open your UniFi Network Application (controller software or Cloud Key).
2. **Locate Device:** Navigate to the "Devices" section. The UK-Ultra-US should appear with a status of "Pending Adoption".
3. **Adopt Device:** Click on the device and select "Adopt". Follow any on-screen prompts to complete the adoption process.
4. **Configure Settings:** Once adopted, you can configure Wi-Fi networks, security settings, and other advanced options through the UniFi Network Application.

OPERATING THE DEVICE

The UniFi Swiss Army Knife Ultra Access Point operates automatically once adopted and configured within the UniFi

Network Application. It broadcasts Wi-Fi signals according to your defined SSIDs and security settings.

- **Network Management:** All management and monitoring of the access point are performed through the UniFi Network Application. This includes creating Wi-Fi networks, managing client connections, viewing statistics, and performing firmware updates.
- **Power:** The device is powered via Power over Ethernet (PoE) through its Gigabit Ethernet port. Ensure a stable PoE connection for continuous operation.
- **External Antennas:** If external antennas are connected, ensure they are properly oriented for optimal signal coverage in your desired area.

MAINTENANCE

- **Cleaning:** Clean the device with a dry, soft cloth. Do not use liquid cleaners or aerosol cleaners.
- **Firmware Updates:** Regularly check for and apply firmware updates through the UniFi Network Application to ensure optimal performance, security, and access to new features.
- **Environmental Conditions:** While weatherproof for outdoor exposure, avoid exposing the device to extreme temperatures or direct, prolonged submersion in water. Ensure proper ventilation if installed in an enclosed space.
- **Cable Inspection:** Periodically inspect the Ethernet cable for any signs of wear or damage, especially if installed outdoors.

TROUBLESHOOTING

- **Device Not Appearing for Adoption:**
 - Ensure the device is properly powered via PoE and the Ethernet cable is securely connected.
 - Verify that the UniFi Network Application is running and on the same network segment as the access point.
 - Check firewall settings on the UniFi Network Application host.
 - Try resetting the device to factory defaults (refer to the UniFi documentation for specific reset procedures).
- **Poor Wi-Fi Performance:**
 - Check for physical obstructions between the access point and client devices.
 - Adjust channel settings in the UniFi Network Application to avoid interference from other Wi-Fi networks.
 - Consider using external antennas if coverage is insufficient, especially in outdoor deployments.
 - Ensure the access point is not overloaded with too many connected devices.
- **LED Indicator Not Lit:**
 - Verify the PoE source is active and providing power.
 - Check the Ethernet cable for damage or improper connection.

SPECIFICATIONS

Feature	Detail
Model	UK-Ultra-US
Dimensions	5.91 x 3.15 x 5.91 inches

Weight	12 ounces
Connectivity Technology	Wi-Fi
Wireless Standard	802.11n, 802.11b, 802.11a, 802.11g, 802.11ac (Wi-Fi 5)
Frequency Band Class	Dual-Band
Spatial Streams	4
Coverage (Internal Antenna)	115 m ² (1,250 ft ²)
Max Connected Devices	200+
Uplink	GbE (Gigabit Ethernet)
Power Method	PoE (Power over Ethernet)
Antenna Connectors	(2) RP-SMA (for optional external antennas)
Environmental Rating	Weatherproof (outdoor exposed)
Mounting Options	Wall, Ceiling, Pole
Included Components	Wall, ceiling, pole mounts

WARRANTY AND SUPPORT

Ubiquiti Networks products come with a limited warranty. For detailed warranty information, please refer to the official Ubiquiti website or the warranty card included with your product.

For technical support, documentation, and community forums, please visit the official Ubiquiti support portal:

[Ubiquiti Support Portal](#)

You can also find additional resources and frequently asked questions on the product page for the UniFi Swiss Army Knife Ultra Access Point on the Ubiquiti website.

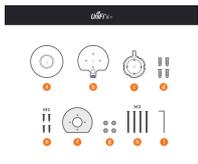
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Related Documents - UK-Ultra-US

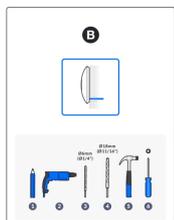
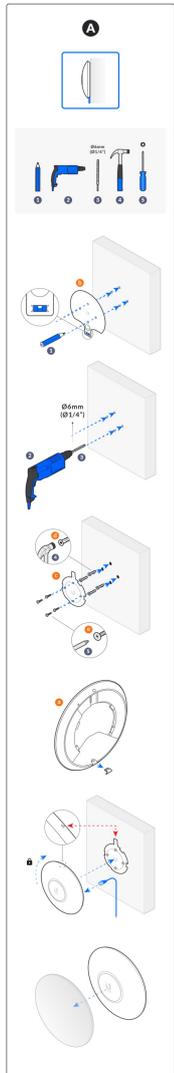


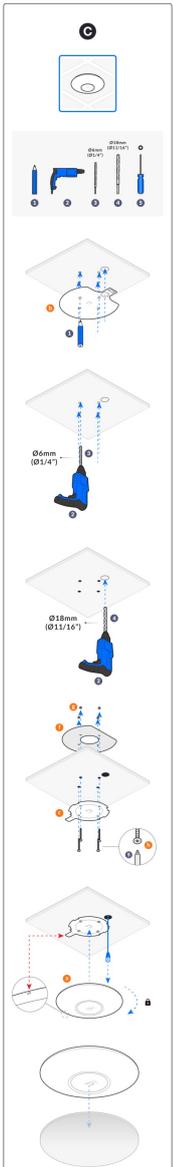
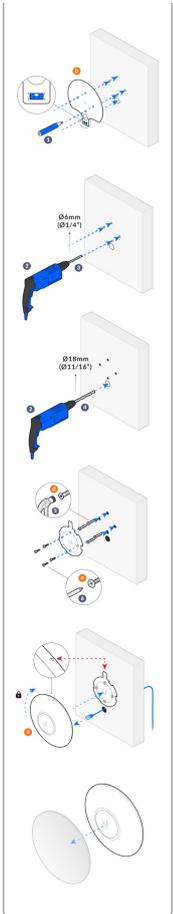
[UniFi Access Ultra Installation Guide](#)

Step-by-step installation guide for the Ubiquiti UniFi Access Ultra reader, covering mounting, wiring, and integration with access control systems.



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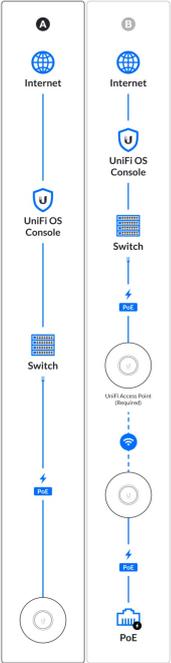




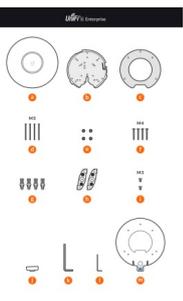
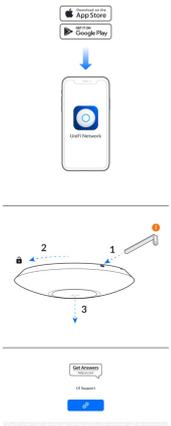
[Ubiquiti UniFi 6+ Access Point Quick Installation Guide](#)

A concise guide to installing and setting up the Ubiquiti UniFi 6+ Access Point, detailing hardware specifications, network connections, and mobile app integration.

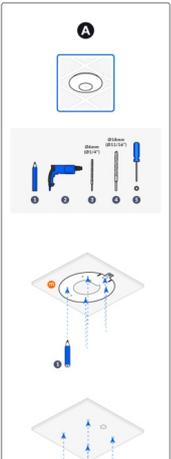
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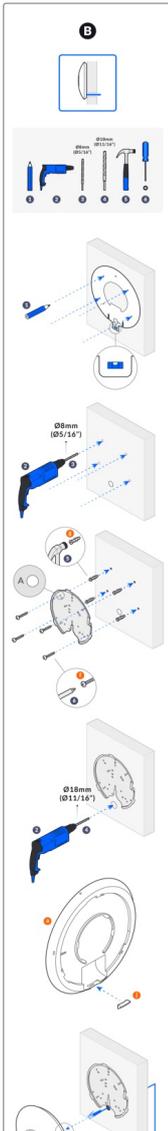
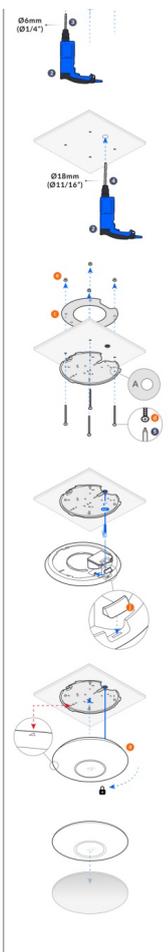


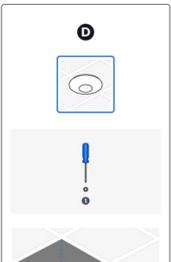
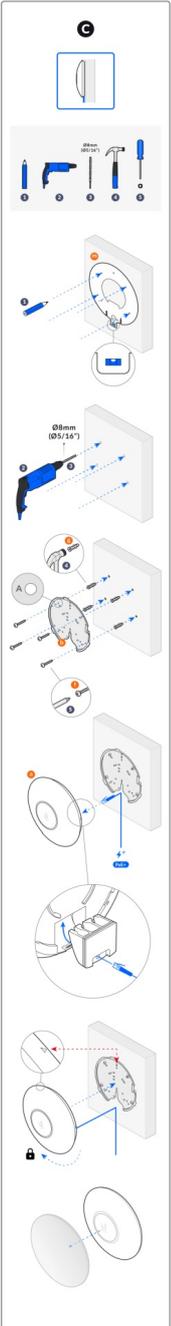
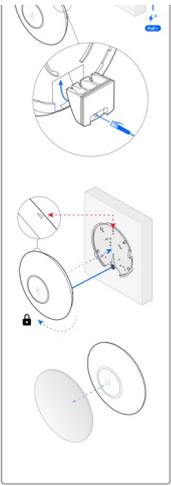
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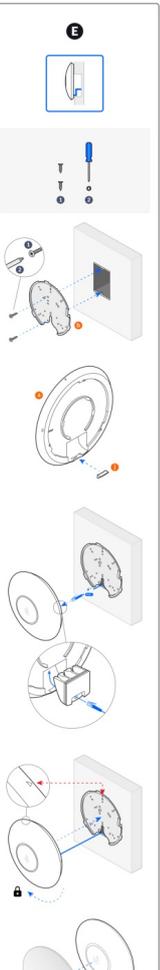
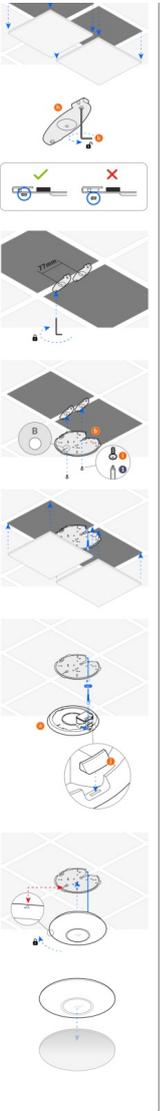






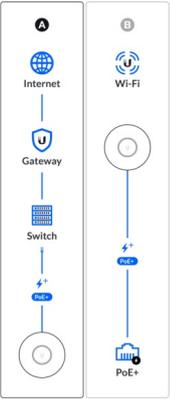
[Ubiquiti UniFi 6 Enterprise Installation Guide](#)

Comprehensive guide for installing the Ubiquiti UniFi 6 Enterprise wireless access point, covering various mounting methods, network connectivity, and initial setup procedures.

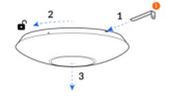




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[Ubiquiti UniFi G6 Instant Installation Guide](#)

A comprehensive guide for installing and setting up the Ubiquiti UniFi G6 Instant, detailing network integration, mobile app management, and hardware connections.



[Ubiquiti UniFi AC SHD Access Point Quick Start Guide](#)

Quick start guide for the Ubiquiti Networks UniFi AC SHD 802.11AC Wave 2 Access Point with Dedicated Security Radio (Model: UAP-AC-SHD). Covers installation, hardware overview, software setup, specifications, and compliance information.



[UniFi Express 7 Installation Guide | Ubiquiti](#)

Step-by-step installation guide for the Ubiquiti UniFi Express 7, covering setup, app integration, and basic usage.