UAP-IW-HD Quick Start Guide

Package Contents

Cover Plate

UAP-IW-HD

Back Plate

Wall-Mount Screws (Qty. 4)

Torx Screws (Qty. 2)

Phillips Screws (Qty. 2)

Torx Security Screw

Phillips Security Screw

Installation Requirements

- Pre-installed electrical wall box
- Category 5 (or above) UTP cabling approved for indoor use
- Phillips and flathead screwdrivers
- T10 Torx bit (for Torx Screw option)
- UniFi Switch with PoE

IMPORTANT: The UAP-IW-HD requires a UniFi Switch with PoE for power. Passive PoE adapters are not recommended.

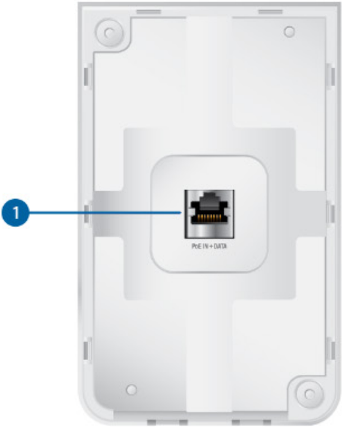
IMPORTANT: UniFi Controller v5.7 is recommended for managing the UAP-IW-HD and is available for download at: ui.com/download/unifi

System Requirements

- Linux, Mac OS X, or Microsoft Windows 7/8/10
- Java Runtime Environment 1.8 (or above)
- Web Browser: Google Chrome (Other browsers may have limited functionality.)
- UniFi Controller software v5.7 or newer (available at: ui.com/download/unifi)

Hardware Overview

Back Panel

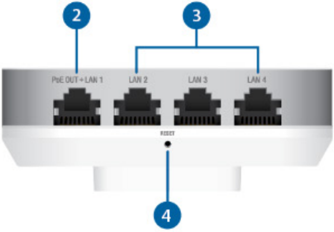


① PoE In + Data

10/100/1000 Ethernet port supports data and 802.3af PoE input. The UAP-IW-HD itself requires 11W.

802.3at PoE+ input is required to use PoE passthrough. Connect this port to a UniFi Switch with PoE that is connected to your LAN and DHCP server.

Bottom Panel



② PoE Out + LAN 1

10/100/1000 Ethernet port supports data and PoE passthrough (requires 802.3at PoE+ input). The maximum PoE passthrough output is 12W.

Note: To power and connect an 802.3af device to the LAN, you must use 802.3at PoE+ input.

③ LAN 2 - LAN 4

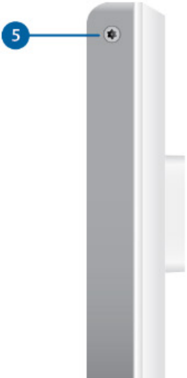
These three 10/100/1000 Ethernet ports support data only. Used to connect client devices to the LAN.

④ Reset

The Reset button serves two functions for the UAP-IW-HD:

- Restart Press and release the Reset button quickly.
- Restore to Factory Default Settings Press and hold the Reset button for more than five seconds.

Side Panel



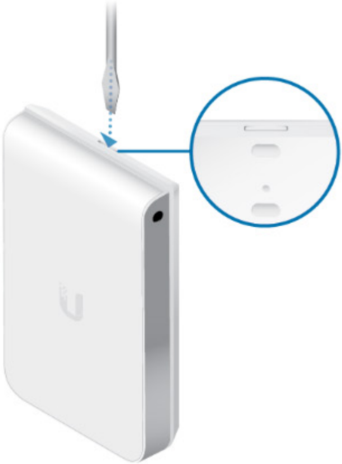
⑤ Security Screw

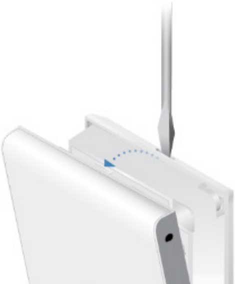
(Optional) The Security Screw secures the Cover Plate after installation. You have the option to use the included Torx (shown) or Phillips Security Screw.

LED

Security Tab

In addition to the optional Security Screw, the Security Tab helps to secure the Cover Plate after installation. If you need to remove it, use a flathead screwdriver to depress the Security Tab while detaching the Cover Plate:

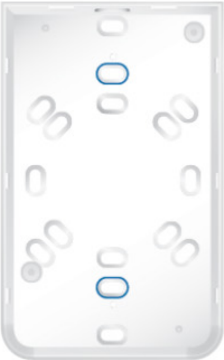




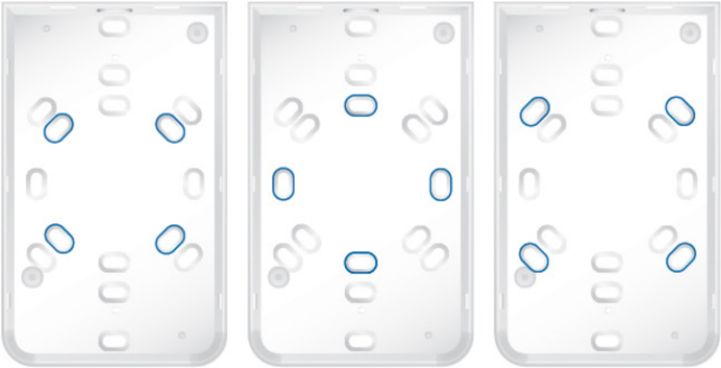
Back Plate

The Back Plate offers a variety of mounting holes for use with different wall boxes. Here are a few examples with the appropriate mounting holes outlined in blue:

USA or China



Europe



Hardware Installation

An electrical wall box should be pre-installed with an Ethernet cable running from the box to a UniFi Switch with PoE.

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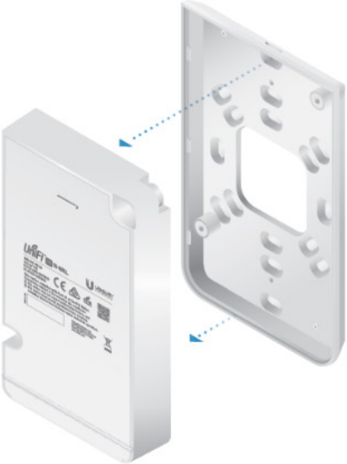

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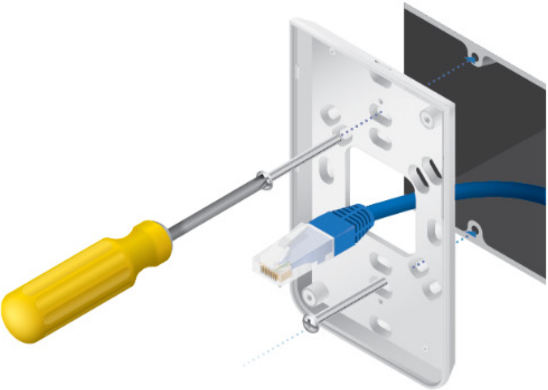

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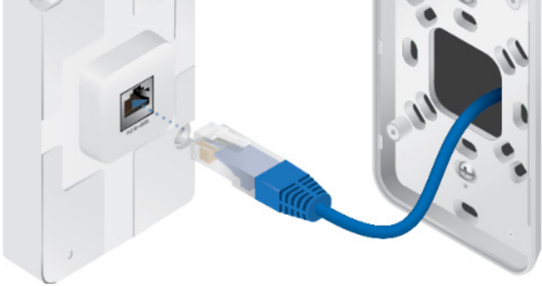

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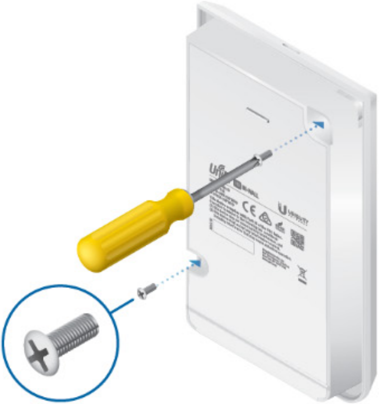

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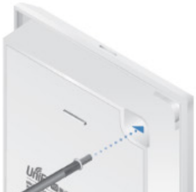

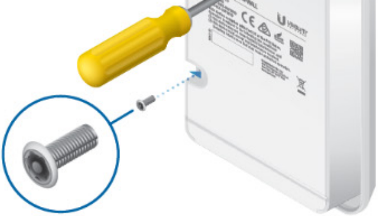

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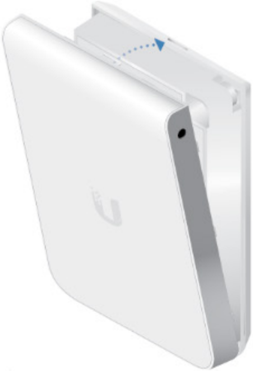
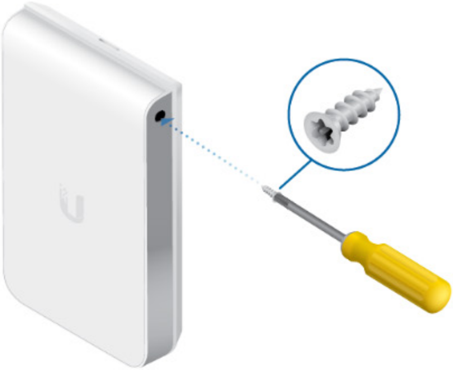


Optional



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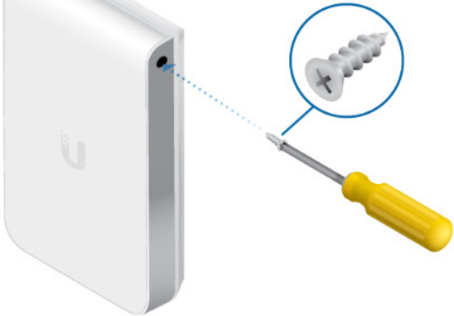
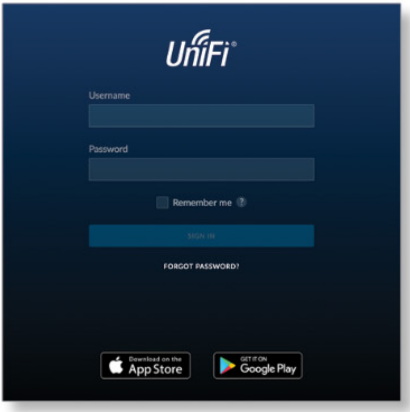


Software Installation

Download and install the latest version of the UniFi Controller software. Launch it and follow the on-screen instructions. The software and step-by-step instructions in the User Guide are available at: ui.com/download/unifi

After you have installed the software and run the UniFi Installation Wizard, a login screen will appear for the UniFi Controller management interface. Enter the username and password that you created and click Sign In.



You can manage your wireless network and view network statistics using the UniFi Controller management interface. For information on configuring and using the UniFi Controller software, refer to the User Guide.

Mobile App Installation

Ubiquiti also offers the UniFi app, which is available from the App Store® (iOS) or Google Play™ Store (Android). You can use it to provision a UniFi AP for basic functionality without configuring a UniFi Controller. It also allows seamless provisioning of APs for remote controllers (controllers not on the same Layer 2 network) and easy access to local controllers and those monitored on unifi.ui.com

Specifications

UAP-IW-HD	
Dimensions	139.7 x 86.7 x 25.75 mm (5.5 x 3.41 x 1.01")
Weight	210 g (7.41 oz)
Networking Interface	(5) 10/100/1000 Ethernet Ports
Button(s)	Reset
Power Method	802.3af PoE Supported 802.3at PoE+ Supported
Power Supply	UniFi Switch (PoE)
Power Save	Supported
PoE Out	48V Passthrough (Pins 1, 2+; 3, 6-)
Max. Power Consumption	11W
with PoE Passthrough	23W*
Operating Frequency	2.4 GHz 5 GHz
Max. TX Power	
2.4 GHz	23 dBm
5 GHz	26 dBm
MIMO	
2.4 GHz	2 x 2
5 GHz	4 x 4
Max. Data Speed	
2.4 GHz	300 Mbps
5 GHz	1733 Mbps
Antenna Gain	
2.4 GHz	1.8 dBi
5 GHz	4 dBi
Wi-Fi Standards	802.11 a/b/g/n/ac/ac-wave2
Wireless Security	WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES)
Mounting	1-Gang Electrical Wall Box (Not Included)
Operating Temperature	-10 to 60° C (14 to 140° F)
Operating Humidity	5 to 95% Noncondensing

Certifications	CE, FCC, IC

** Requires 802.3at PoE+ switch.*

Safety Notices

1. Read, follow, and keep these instructions.
2. Heed all warnings.
3. Only use attachments/accessories specified by the manufacturer.

⚠ WARNING: Do not use this product in location that can be submerged by water.

⚠ WARNING: Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.

Electrical Safety Information

1. Compliance is required with respect to voltage, frequency, and current requirements indicated on the manufacturer’s label. Connection to a different power source than those specified may result in improper operation, damage to the equipment or pose a fire hazard if the limitations are not followed.
2. There are no operator serviceable parts inside this equipment. Service should be provided only by a qualified service technician.

Limited Warranty

ui.com/support/warranty

The limited warranty requires the use of arbitration to resolve disputes on an individual basis, and, where applicable, specify arbitration instead of jury trials or class actions.

Compliance

FCC

Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions.

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operations of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This radio transmitter has been approved by FCC.

ISED Canada

CAN ICES-3(A)/NMB-3(A)

This device complies with ISED Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This radio transmitter has been approved by ISED Canada.

The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

CAN ICES-3(A)/NMB-3(A)

Le présent appareil est conforme aux CNR d'ISDE Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. l'appareil ne doit pas produire de brouillage;
2. l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Le présent émetteur radio a été approuvé par ISDE Canada.

Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

IMPORTANT NOTE

Radiation Exposure Statement

- This equipment complies with radiation exposure limits set forth for an uncontrolled environment.
- This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.
- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

AVIS IMPORTANT

Déclaration sur l'exposition aux rayonnements

- Cet équipement est conforme aux limites prévues pour l'exposition aux rayonnements dans un environnement non contrôlé.
- Lors de l'installation et de la mise en fonctionnement de l'équipement, assurez-vous qu'il y ait une distance minimale de 20 cm entre l'élément rayonnant et vous.
- Cet émetteur ne doit être installé à proximité d'aucune autre antenne ni d'aucun autre émetteur, et ne doit être utilisé conjointement à aucun autre de ces appareils.

Australia and New Zealand

Warning: This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference.

Brazil

Nota: Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

CE Marking

CE marking on this product represents the product is in compliance with all directives that are applicable to it.

Country List

AT	BE	BG	CY	CZ	DE	DK	EE	EL	ES	FI	FR	HR	HU
IE	IT	LV	LT	LU	MT	NL	PL	PT	RO	SE	SI	SK	UK

BFWA (Broadband Fixed Wireless Access) members noted in blue

Note: This device meets Max. TX power limit per ETSI regulations.

The following apply to products that operate in the 5 GHz frequency range:

Note: This device is restricted to indoor use only when operating in the 5150 - 5350 MHz frequency range within all member states.

Note: Operation in the 5.8 GHz frequency band is prohibited in BFWA member states. Other countries listed may use the 5.8 GHz frequency band.

WEEE Compliance Statement

Declaration of Conformity

Online Resources

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