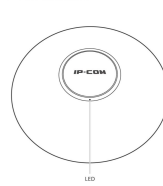
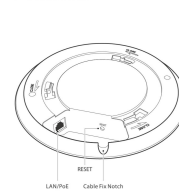


► LED indicator



LED indicator	Status	Description
Blinking white	Solid white	The system is starting up.
	Alternating white/red	AP is in default status and is waiting to be managed by IMS platform or UniFi Controller.
	Solid blue	AP is busy for example, with firmware upgrade. Do not touch or unplug it.
Fast blinking blue	Slowly blinking blue	AP is managed by UniFi platform or UniFi Controller and is working properly.
	Fast blinking blue	The AP License feature was activated in the UniFi Controller.
Slowly blinking blue	AP is installed but Wi-Fi APs are brought down until an uplink device is found.	

► Port/button



Port/Button	Description
LAN/FE	It is a gigabit PoE port used to supply power or receive data. Use the included PoE injector or a PoE switch compatible with IEEE 802.3af for the supply power to the device. CAT5e or better Ethernet cables are recommended. Connect the power supply (BNC or for switch) to a switch in 100 meters and 20 meters for the PoE injector.
RESET	Reset button. When AP is not busy, hold down this button for about 5 seconds and release it. When the LED indicator is blinking white, AP is restored to factory settings.
Cable Fix Notch	It is used to fix the Ethernet cables from a PoE switch compatible with IEEE 802.3af and the included PoE injector to the LAN/FE port.

Quick Installation Guide

Ceiling AP Series

IUAP-AC-LR/IUAP-AC-LITE/IUAP-AC-PRO/IUAP-AC-LR (IUAP-AC-LR is used for illustration in this guide)

The Quick Installation Guide walks you through installation and how to perform first-time configurations. For product or function details, please go to www.ip-com.com

Install the device

Tip: You may need a mallet, a hammer (Ø1.3 mm-Ø1.6), a rubber hammer, a screwdriver, and a ladder for the installation. Please prepare them yourself.

1 Position the bracket on the ceiling and mark screw holes with the mallet.

2 Drill holes in the marked positions using a hammer drill.

Tip: Option 1 applies to most general cases. For ceiling with weak strength (such as plasterboard), please choose **Option 2**.

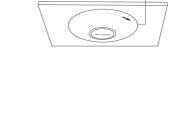
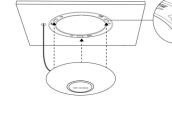
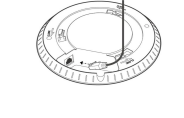
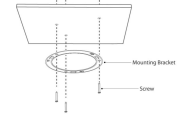
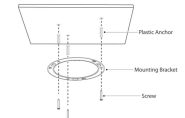
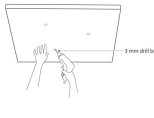
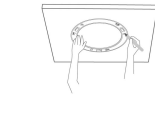
Option 1: Attach the plastic anchor (Length: 2.4 mm; Diameter: 2.4 mm) into the hole using the rubber hammer. Align the screw holes in the bracket with the holes in the ceiling, and use the included screw (Length: 25 mm; Diameter: 3 mm) to fix the bracket.

Option 2: Align the plastic nut (Length: 14.1 mm; Diameter: 2.51 mm) with the holes on the ceiling, and then use the included screw (Length: 25 mm; Diameter: 3 mm) to fix the bracket.

3 Connect a PoE switch compatible with IEEE 802.3af or a power injector with a CAT5 or better cable to the LAN/FE port to supply power for the AP. Before passing on, check whether the power sourcing equipment you use complies with your AP.

4 Align the slots of the AP with the hooks of the bracket.

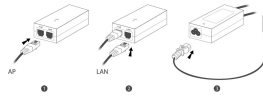
5 Ensure that the AP is firmly seated onto the bracket. Turn the AP clockwise until it is fixed securely into the bracket.



Power the AP

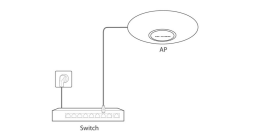
Option 1 Connect to a PoE injector

- 1 Connect the AP to the LAN port of the PoE injector with an Ethernet cable.
- 2 Optional for wired connection: Connect an Ethernet cable from the LAN, for example, a switch or a computer, to the LAN port of the PoE injector.
- 3 Connect the power cord to the injector and then plug the power cord to a power source.



Option 2 Connect to a PoE switch

Connect an Ethernet cable from the AP to a PoE port on a PoE switch compliant with IEEE 802.3af. The switch will automatically supply power to the AP.

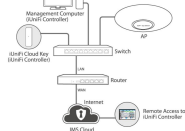


Configure your APs

You can configure the AP through the web UI of the AP (UniFi Controller, or the IMS platform). This part mainly describes the configuration methods of using the web UI and the UniFi Controller. For details about the IMS platform configuration method, refer to the user guides of target products.

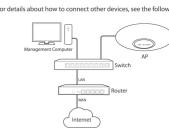
Scenario 1: Through the UniFi Controller

The network topology diagram for configuration through the UniFi Controller is shown as below. For details about how to configure APs through the UniFi Controller, refer to its user guide.



Scenario 2: Through the Web UI of the AP

- Tip:** Connect and configure your APs one by one. That is, to connect one AP to your switch and configure it. When you finish, connect the second AP and repeat steps 4 and 5.
- Connect devices**
Connect the management computer to the switch to which the AP has connected. For details about how to connect other devices, see the following figure.



Configure the IP address of the management computer (Example: Windows 10)

On the computer desktop, click **Start** ► **Settings** ► **Change adapter options**.
Right-click **Ethernet**, click **Properties**, and double-click **Internet Protocol Version 4 (TCP/IPv4)**. Choose **Use the following IP address**, set IP address to 192.168.0.2 (ranges from 2 to 253 and is not occupied by other devices) and **Subnet mask** to 255.255.255.0, and save the configurations.



Log in to the web UI of the AP

Start a web browser on the management computer, and access 192.168.0.254. Refer to the on-screen instructions for login.



Tip: If you cannot log to the web UI of the AP, refer to Q1 in FAQ.

Modify the SSID and password

Choose **Quick Setup**, configure the SSID (WiFi name), **Security Mode (WPA2-PSK is recommended)**, **Key**, and click **Save**. Then select **5GHz** from the **Radio Band** drop-down list and repeat the above operation.



Modify the IP address of the AP

Choose **Network Settings** ► **LAN Setup**. Modify the IP address of the AP to 192.168.0.2 (2 to 253), and ensure that the new IP address has not been occupied in this network, then click **Save**.

Example: You can set the new IP address of the first AP to 192.168.0.201, and the new IP address of the second AP to 192.168.0.202.

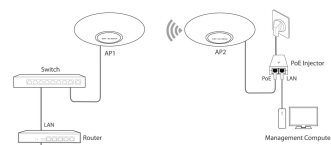


Done. WiFi name: The SSID you set in step 4. **Modify the SSID and password.** WiFi password: The Key you set in step 4. **Modify the SSID and password.**

(Optional) AP wireless bridge

Tip: If you want to connect an AP to a network in wireless manner, please refer to this part. The AP supports wireless bridge under only one radio band at a time. Please select 2.4 GHz or 5 GHz as required. This part does not cover the configuration for Bluetooth.

- Connect devices**
Assume your AP is AP2. Connect the management computer to AP2. For details about how to connect other devices, see the following figure.



Configure the IP address of the management computer & log in to the web UI of AP2

Refer to steps 3 to 3 in Scenario 2: Through the Web UI of the AP ► Configure your APs.

Configure AP2

Set the Working Mode of AP2 to Client-AP, and click **Save**.



Select the wireless network of AP1 and its SSID, **Security Mode**, and **Encryption Algorithm** as filled in automatically, which are IP-COM, 123456, WPA2-PSK, and AES. In this example, Enter the Key for the wireless network of AP1, and click **Save**.



Check the bridge status

Choose **Tools**, click **Diagnostic Tool**, and ping the IP address of AP1. If there are responses from AP1, the bridge is successful. Otherwise, refer to Q1 in FAQ.

FAQ

Q1: What should I do if I cannot access the web UI of the AP after entering 192.168.0.254?

- A1: Try the following solution:**
 - Verify that your Ethernet cables are connected properly.
 - Ensure that the IP address of your computer has been set to 192.168.0.X (X: 2 to 253), and the IP address is not occupied by other devices in the network.
 - Clear the cache of your web browser, or replace the web browser.
 - Disable the firewall of your computer, or replace the computer.
 - If two or more APs are connected in the network without UniFi Controller or IMS platform, you should have only one AP in the network first and configure the AP's IP address. Then repeat this procedure to change the IP addresses of other APs.
 - The AP may be managed by UniFi Controller or IMS platform and therefore its IP address is no longer 192.168.0.254. In this case, go to the web UI of the UniFi Controller or IMS platform to view the new IP address of the AP, and then log in to the AP's web UI using the new IP address.
 - Verify that the IP address of the management computer is in the same network segment with AP's new IP addresses.
 - If the problem persists, reset the AP.

Q2: How to reset my AP?

- A2: Option 1: Reset using the RESET button**
When AP is not busy, hold down this button for about 5 seconds and release it. When the LED indicator is blinking white, AP is restored to factory settings.
- Option 2: Reset using the web UI**
Log in to the web UI of the AP. Choose **Tools** ► **Maintenance**, and navigate to the **Reset** section, then follow the on-screen instruction to reset it.
Note: Resetting clears all configurations of your AP.

Q3: What should I do if AP wireless bridge failed?

- A3: Try the following solution:**
 - Verify that the Key for the wireless network of the uplink device (AP1) in this guide is correct.
 - Check whether the signal of the wireless network of the uplink device (AP1) in this guide is too weak. If so, move the host AP (AP2) in this guide closer to the uplink device.

RECYCLING

This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. Users have the choice to give this product to a competent recycling organization or to the retailer when they buy a new electrical or electronic equipment.

Declaration of Conformity
Hereby, SHENZHEN IP-COM Networks Co., Ltd. declares that the radio equipment type IUAP-AC-LR is in compliance with Directive 2014/53/EU.
Hereby, SHENZHEN IP-COM Networks Co., Ltd. declares that the radio equipment type IUAP-AC-LITE is in compliance with Directive 2014/53/EU.
Hereby, SHENZHEN IP-COM Networks Co., Ltd. declares that the radio equipment type IUAP-AC-PRO is in compliance with Directive 2014/53/EU.
Hereby, SHENZHEN IP-COM Networks Co., Ltd. declares that the radio equipment type IUAP-AC-LR is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: <http://www.ip-com.com/declaration>

Operating Frequency: 2.4GHz EU:2400-2483.5MHz (CH1-CH13)
5GHz EU:5150-5250MHz (CH36-CH48)
ESRP Report (Max.): 2.4GHz: <20dBm
5GHz: <23dBm
Software Version: V1.0.0.3

FC

FC Statement
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.
This device is for indoor usage only.
Operators are 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.

Radiation Exposure Statement
This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC's RF Rules.
This equipment should be installed and operated with minimum distance 20cm between the device and your body.

Caution
Any change or modification not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

CE

Operating Frequency: 2412-2462MHz, 5150-5250MHz, 5725-5800MHz
NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorised modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.
CE Mark Warning
This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.
Operations in the 5.15-5.25GHz band are restricted to indoor use only.
The mains plug is used as disconnect device, the disconnect device shall remain readily operable.
NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorised modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.

Caution

Adapter Model: EN501-PT2024
Manufacturer: SHENZHEN HIEWEISHUN NETWORK TECHNOLOGY CO., LTD.
Input: 100V-240V AC, 50/60Hz, 5.0A
Output: 5V DC, 0.5A
— DC Voltage

For EU/EEA, this product can be used in the following countries:

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

Operating temperature: -10°C ~ 45°C
Operating humidity: 10% ~ 93% RH, non-condensing

Technical Support
Address: Room 601, Unit A, First Floor, Tower E, No. 1001, Zhonghuanjiazui Road, Nanshan District, Shenzhen, China, 518052
Tel: (86)531 7763 5089
Email: info@ip-com.com.cn
Website: www.ip-com.com.cn

Copyright © 2020 IP-COM Networks Co., Ltd. All rights reserved.
This documentation (including pictures, images, and product specifications, etc.) is for reference only. To improve internal design, operational functions, and/or reliability, IP-COM reserves the right to make changes to the products described in this document without obligation to notify any person or organization of such revisions or changes.