IP-COM

Quick Installation Guide

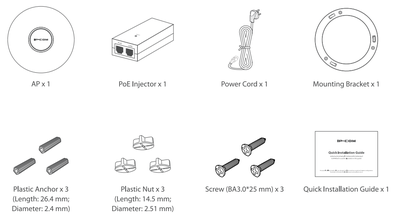
Ceiling AP Series

iUAP-AC-LR/iUAP-AC-LITE/iUAP-AC-PRO/iUAP-AX-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.cn

Package contents

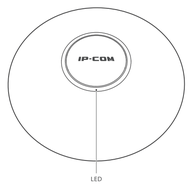


AP x 1 | PoE Injector x 1 | Power Cord x 1 | Mounting Bracket x 1

Plastic Anchor x 3 (Length: 26.4 mm; Diameter: 2.4 mm) | Plastic Nut x 3 (Length: 14.5 mm; Diameter: 2.51 mm) | Screw (BA3.0*25 mm) x 3 | Quick Installation Guide x 1

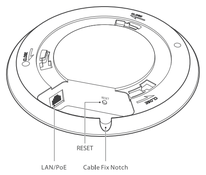
Get to know your device

▶ LED indicator



LED indicator	Status	Description
LED	Blinking white	The system is starting up.
	Solid white	AP is in default status and is waiting to be managed by IMS platform or iUniFi Controller.
	Alternating white/blue	AP is busy, for example, with firmware upgrade. Do not touch or unplug it.
	Solid blue	AP is managed by IMS platform or iUniFi Controller and is working properly.
	Fast blinking blue	The AP Locate feature was activated in the iUniFi Controller.
	Slowly blinking blue	AP is isolated (all WLANs are brought down until an uplink is found).

▶ Port/button



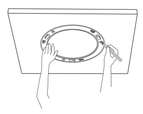
Port/Button	Description
LAN/PoE	It is a gigabit PoE port used to supply power or transmit data. Use the included PoE injector or a PoE switch compliant with IEEE 802.3af/at to supply power to the device. CAT5e or better Ethernet cables are recommended, and the power-supply distance for switch is 100 meters and 30 meters for the PoE injector.
RESET	Reset button. When AP is not busy, hold down this button for about 8 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 cable from a PoE switch compliant with IEEE 802.3af/at or the included PoE injector to the LAN/PoE port.

Install the device

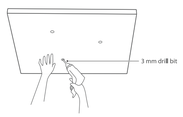
Tips:
You may need a marker, a hammer drill, a 3 mm drill bit, a rubber hammer, a screwdriver, and a ladder for the installation. Please prepare them yourself.

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

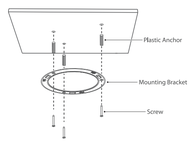
❶ Position the bracket on the ceiling and mark screw holes with the marker.



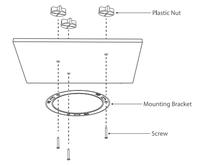
❷ Drill holes in the marked positions using a hammer drill.



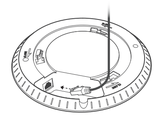
❸ **Option 1**: Knock the plastic anchors (Length: 26.4 mm; Diameter: 2.4 mm) into the holes using the rubber hammer. Align the screw holes in the bracket with the holes on the ceiling, and use the included screws (Length: 25 mm; Diameter: 3 mm) to fix the bracket.



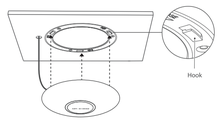
Option 2: Align the plastic nuts (Length: 14.5 mm; Diameter: 2.51 mm) with the holes on the ceiling, and then use the included screws (Length: 25 mm; Diameter: 3 mm) to fix the bracket.



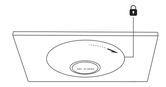
❹ Connect a PoE switch compliant with IEEE 802.3af/at or a power injector with a CAT5 or better cable to the **LAN/PoE** port to supply power for the AP. Before powering on, check whether the power sourcing equipment you use complies with your AP.



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



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



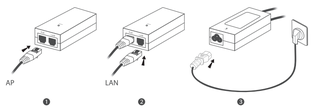
Power the AP

Option 1 Connect to a PoE injector

❶ Connect the AP to the **PoE** port of the PoE injector with an Ethernet cable.

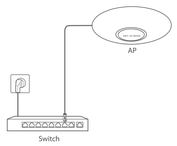
❷ (Optional for wired connection) Connect an Ethernet cable from the LAN, for example, a switch or a computer, to the **LAN** port of the PoE injector.

❸ 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/at. The switch will automatically supply power to the AP.

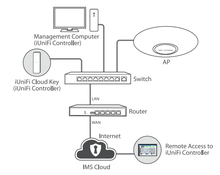


Configure your APs

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

Scenario 1: Through the iUniFi Controller

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



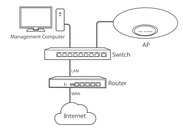
Scenario 2: Through the Web UI of the AP

Tips: Connect and configure your APs one by one. That is to say, connect one AP to your switch and configure it. When you finish, connect the second AP and repeat steps **4** and **5**.

❶ **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.



❷ **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.X** (*X* ranges from 2 to 253 and is not occupied by other devices) and **Subnet mask to 255.255.255.0**, and save the configurations.

❷ **Log in to the web UI of the AP**

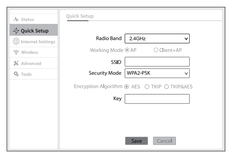
Start a web browser on the management computer, and access **192.168.0.254**. Follow the on-screen instructions for login.

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

❸ **Modify the SSID and password**

Choose **Quick Setup**, configure the **SSID** (WiFi name), **Security Mode** (**WPA2-PSK** is recommended), **Key**, and click **Save**.

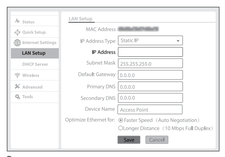
Then select **5GHz** from the **Radio Band** drop-down list and repeat the above operations.



❹ **Modify the IP address of the AP**

Choose **Internet Settings > LAN Setup**. Modify the IP address of the AP to 192.168.0.X (*X*: 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**.

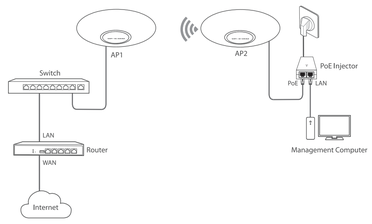
(Optional) AP wireless bridge

Tips: If you want to connect an AP to a network in a 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 uses 2.4 GHz as an example for illustration.

❶ **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.

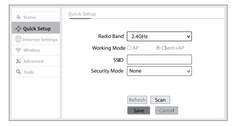


❷ **Configure the IP address of the management computer & log in to the web UI of AP2**

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

❸ **Configure AP2**

Set the **Working Mode** of AP2 to **Client+AP**, and click **Scan**.



Select the wireless network of AP1 and its **SSID**, **Security Mode**, and **Encryption Algorithm** are 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**.

❹ **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 **Q3** 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 solutions:

– 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 any 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 iUniFi Controller or IMS platform, you should leave 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 iUniFi 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 iUniFi 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 APs' 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 8 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 solutions:

– 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 local AP (AP2 in this guide) closer to the uplink device.