

IP-COM

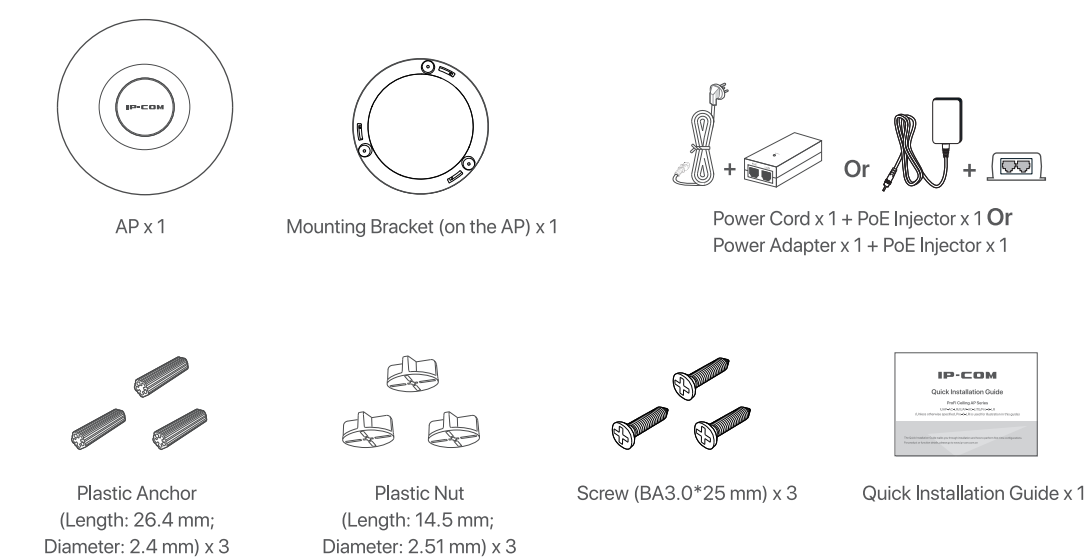
Quick Installation Guide

ProFi Ceiling AP Series
IUAP-AC-LR/IUAP-AC-LITE/Pro-G-LR
(Unless otherwise specified, Pro-G-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

The package contents of all models are listed here. The actual contents may vary by model.



Get to know your device

LED indicator

LED Indicator	Description
Blinking white	The AP is starting up.
Steady white	The AP completes startup and is waiting to be managed by the controller.
Alternating white/blue	AP is busy, for example, with firmware upgrade. Do not unplug it.
Steady blue	AP is managed by the controller and is working properly.
Fast blinking blue	The AP Leave feature has activated in the controller.
Slow blinking blue	AP is isolated (if WLAN is brought down until an update is found).

Port/button

The ports and buttons of all models are listed here. Actual ports and buttons may vary by model.

Port/Button	Description
RESET	Reset button, used to restore the AP to factory settings. When AP is not busy, hold down this button with a needle-like object for about 8 seconds and release it when the LED indicator turns off. When the LED indicator is blinking white, AP is reset successfully.
SECONDARY (for Pro-G-LR)	Digital Ethernet port. It is generally used to connect to such wired devices as computers.
MAIN/PoE or LAN/PoE	Digital Ethernet port, which supports PoE power input. It is generally used to connect to the upstream switch. You can power the AP by: - the included PoE injector. - other PoE power-supply devices. For IUAP-AC-LR and IUAP-AC-LITE, the PoE power-supply device should comply with IEEE 802.3af or standards while for Pro-G-LR, the device should comply with IEEE 802.3at standard.
Cable Fix Hook	It is used to fix Ethernet cables to the AP.

Install the AP

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

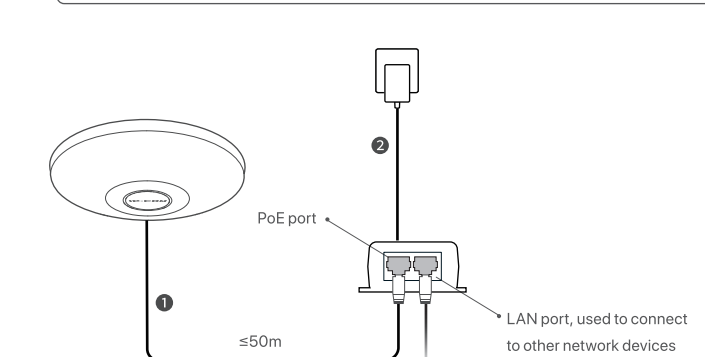
- Remove the bracket from the AP.
- Position the bracket on the ceiling and mark screw holes with the marker.
- Drill holes in the marked positions using a hammer drill.
- Option A: Knock the plastic anchors (Length: 26.4 mm; Diameter: 2.4 mm) into the holes using the rubber hammer. Insert the screws (Length: 25 mm; Diameter: 3 mm) into the screw holes on the bracket and fix them into the plastic anchors using a screwdriver to fix the bracket.
- Option B: Insert the screws (Length: 25 mm; Diameter: 3 mm) into the screw holes on the bracket and fix them into the plastic nuts (Length: 14.5 mm; Diameter: 2.51 mm) using a screwdriver to fix the bracket.
- Use a CAT5e or better Ethernet cable to connect a PoE power-supply device to the PoE port of the AP.
- For Pro-G-LR, if you want to connect such wired devices as computers to the AP, connect it to the **SECONDARY** port.
- Align the slots of the AP with the hooks of the bracket.
- Ensure that the AP is firmly seated onto the bracket. Turn the AP clockwise until it is fixed securely onto the bracket.

Power the AP

CAT5e or better Ethernet cables are recommended.

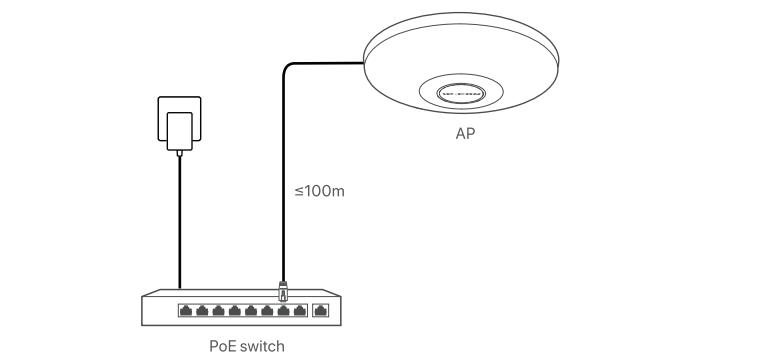
Option A Connect to the included PoE injector

- Use an Ethernet cable to connect the PoE port of the AP to the PoE port of the PoE injector.
- Use the included power adapter to connect the PoE injector to a power source.



Option B Connect to other PoE power-supply devices

- Use an Ethernet cable to connect the PoE port of the AP to a PoE power-supply device. A PoE switch is used for illustration in the following figure.

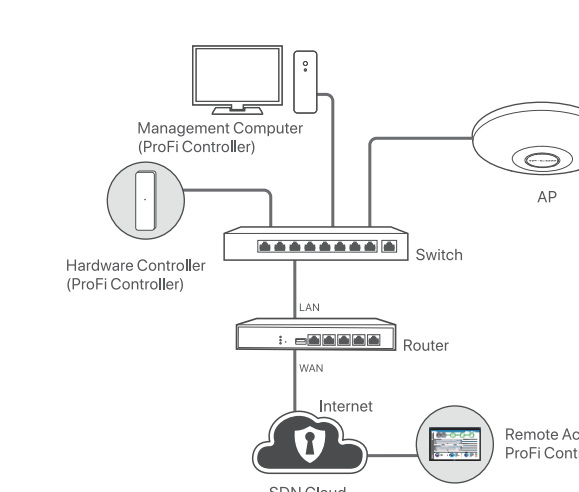


Configure the AP

You can configure the AP through its web UI or the ProFi Controller.

Through the ProFi Controller

The network topology is shown as below. For details about how to configure the AP, refer to the user guide of the ProFi Controller.

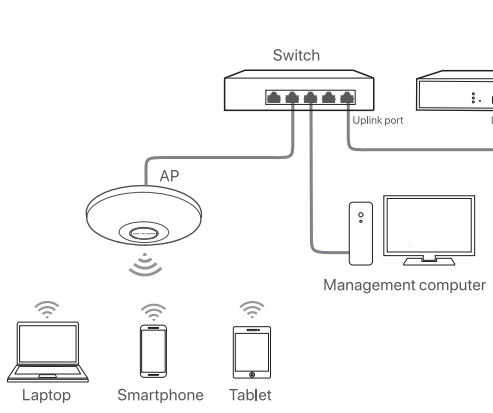


Through the Web UI of the AP

If you do not have a controller in your network, you can configure the AP on its web UI.

- Connect devices

Connect devices by referring to the following figure.

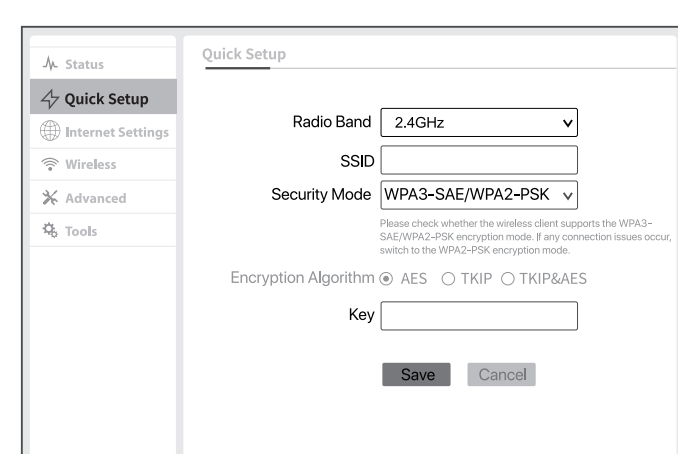


- Log in to the web UI of the AP

Start a web browser on the management computer and enter the IP address of the AP in the address bar to log in to its web UI.

- Tip: If there is a DHCP server in the network, you can check the IP address of the AP at the DHCP server. If there is no DHCP server in the network, see the default IP address (192.168.0.24) to log in.
- If you cannot access the web UI of the AP, refer to Q1 in FAQ.

- Set an SSID and WiFi password for the AP
- Choose **Quick Setup**, set the **SSID** (WiFi network name), **Security Mode** (WPA3-SAE/WPA2-PSK is used as an example here) and related parameters, and click **Save**. Then select the target radio band from the **Radio Band** drop-down list and repeat the above operations.



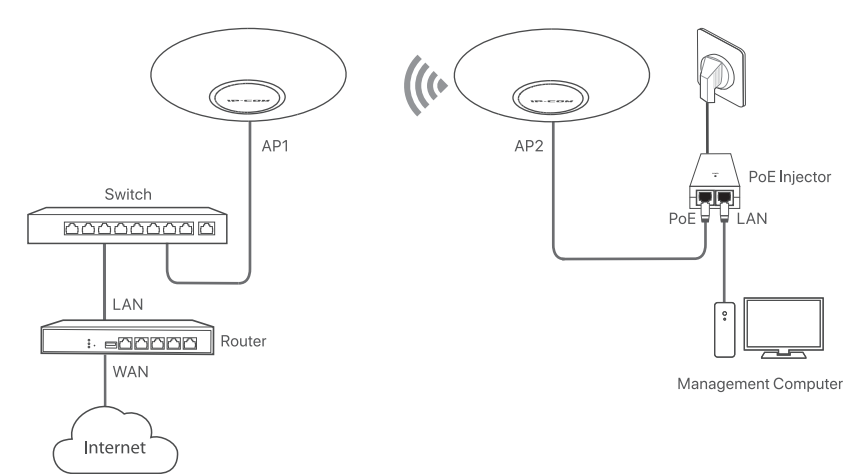
Done.
WiFi network name: The SSID you set
WiFi password: The Key you set

AP wireless bridge

IUAP-AC-LR is used for illustration.

- Connect devices

Assume your AP1 is AP2. Connect the management computer to AP2. For details about how to connect other devices, see the following figure.

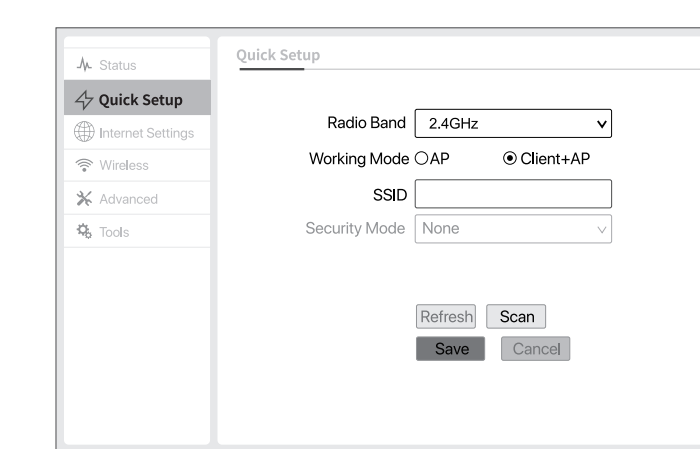


- Log in to the web UI of AP2

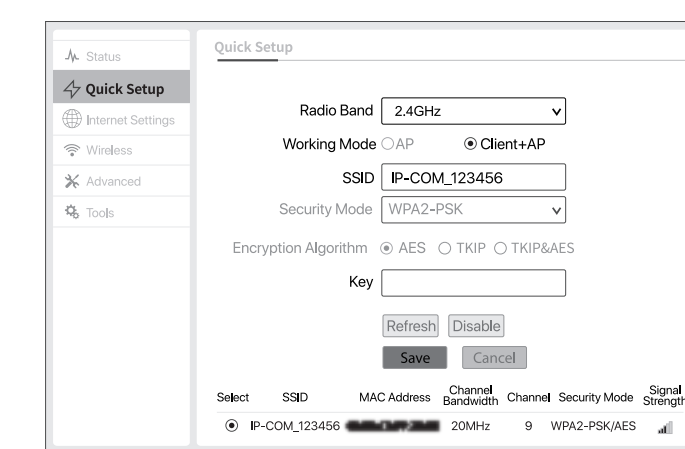
Refer to step 2 in **Through the Web UI of the AP in Configure the AP**.

- 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**.



Done. You have bridged AP2 to the network in which AP1 is deployed. Now you can access the Internet through AP2.

- If you are using a wired device such as a computer, set its IP address obtaining mode to DHCP.
- If you are using a WiFi-enabled device such as a smartphone, connect to the wireless network of AP2. The default wireless network name is IP-COM_XXXXXX (XXXXXX specifies the last six digits of the MAC address on the bottom label of AP2).

Tip: If the wireless bridge fails, refer to Q3 in FAQ.

FAQ

- Cannot access the web UI of the AP. What should I do?
A1. Try the following solutions:
 - Verify that your Ethernet cables are connected properly.
 - Verify that you have entered the correct IP address of the AP, and the IP address of your computer and the IP address of the AP are in the same network segment.
 - Clear the cache of your web browser, or replace the web browser.
 - If two or more APs are connected in a network and there is no DHCP server, leave only one AP in the network and change the AP's IP address. Then repeat this procedure to change the IP addresses of other APs.
 - If the problem persists, reset the AP. Reset method: When AP is not busy, hold down the **RESET** button with a needle-like object for about 8 seconds and release it when the LED indicator turns off. When the LED indicator is blinking white, AP is reset successfully.
- The controller fails to detect the AP. What should I do?
A2. Try the following solutions:
 - Verify that the physical connections are correct and the AP has started up properly.
 - If VLAN exists in the network, verify that the controller and the AP are in the same VLAN with the AP.
 - Restart the AP.
 - Verify that the firmware of the controller and the AP are the latest upgradable version on our official website www.ip-com.com.cn.
 - Reset the AP.
- 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.



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.

This equipment should be installed and operated with a minimum distance 20cm between the device and your body.

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 unauthorized modifications to its equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.

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 Pro-G-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://ip-com.com.cn/en/ce.html>

Operating Frequency:
2.4 GHz: EU(2400-2483.5MHz (CH1-CH13))
5 GHz: EU(5150-5250MHz (CH36-CH48))
ERP Power (Max.):
2.4 GHz: 19.67dBm
5 GHz: 22.21dBm
Software Version: V1.0.0.3

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



Operating temperature: -10°C ~ 45°C
Operating humidity: (10% ~ 90%) RH, non-condensing



FCC 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.

The device is for indoor usage only.

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.

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 RF Rules. This equipment should be installed and operated with minimum distance 20cm between the device and your body.

Caution:
Any changes or modifications 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 operating in conjunction with any other antenna or transmitter.
Operating frequency: 2412-2462MHz, 5150-5250MHz, 5725-5850MHz

NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to its equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.



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. User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.



Caution:
Adapter Model: BN060-P12024
Manufacture: SHENZHEN HEWEISHUN NETWORK TECHNOLOGY CO., LTD.
Input: 100 ~ 240V AC, 50/60Hz 0.5A
Output: 24V DC, 0.5A
--- DC Voltage



Caution:
Adapter Model: BN017-A38048B, BN017-A38048E
Manufacture: SHENZHEN HEWEISHUN NETWORK TECHNOLOGY CO., LTD.
Input: 100 ~ 240V AC, 50/60Hz 1.0A
Output: 48V DC, 0.8A
--- DC Voltage

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