IP-COM

Quick Installation Guide

ProFi Ceiling AP Series

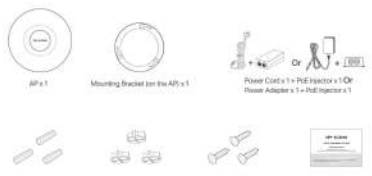
iUAP-AC-LR/iUAP-AC-LITE/Pro-6-LR

(Unless otherwise specified, Pro-6-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

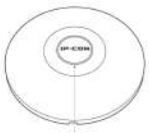
Package contents

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.
Solid 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.)
Solid blue	AP is managed by the controller and is working properly.
Fast blinking blue	The AP Locator feature was activated in the controller.
Slowly blinking blue	AP is located (all ACLANs are brought down and an uplink 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-6-LR)	Gigabit LAN port. It is generally used to connect to such wired devices as computers.
MAIN/PoE or LAN/PoE	Gigabit Ethernet port, which supports PoE power input. It is generally used to connect to the upstream switch. You can power the AP by: - (For indicated PoE ports): when PoE power supply devices. For iUAP-AC-LR and iUAP-AC-LITE, the PoE-power-supply device should comply with IEEE 802. Select standards while for Pro-6-LR, the device should comply with IEEE 802.3at standard.
Cable Fix hole	It is used to fix Ethernet cables to the AP.

Install the AP

Tips: 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.

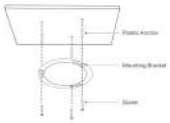
❶ Remove the bracket from the AP.

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

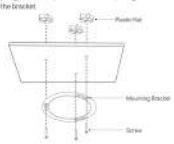
❸ Drill holes in the marked positions using a hammer drill.

Tips: Option A applies to general cases. For ceilings with weak strength (such as plasterboard), please choose Option B.

❹ **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.



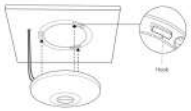
Option B: Insert the screws (Length: 25 mm; Diameter: 3 mm) into the screw holes on the bracket and fix them into the plastic nuts (Length: 14.5 mm; Diameter: 2.51 mm) using a screwdriver to fix the bracket.



❺ Use a CAT5e or better Ethernet cable to connect a **PoE** power-supply device to the **PoE** port of the AP.

(For Pro-6-LR) If you want to connect such wired devices as computers to the AP, connect it to the **SECONDARY** port.

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



❼ 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

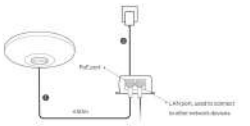
CAT5e or better Ethernet cables are recommended.

Option A Connect to the included PoE injector

❶ Use an Ethernet cable to connect the **PoE** port of the AP to the **PoE** port of the PoE injector.

❷ Use the included power adapter to connect the PoE injector to a power source.

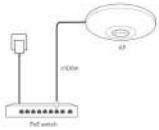
Tips: For Pro-6-LR, the maximum power-supply distance is 50 meters and for iUAP-AC-LR and iUAP-AC-LITE, the maximum power-supply distance is 30 meters.



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.

Tips: For Pro-6-LR, the PoE power-supply device should be compliant with IEEE 802.3at standard and for iUAP-AC-LR and iUAP-AC-LITE, the PoE power-supply device should be compliant with IEEE 802. Select standards.

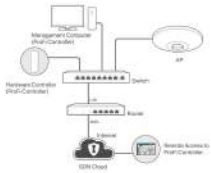


Configure the AP

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.

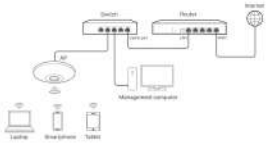


Through the Web UI of the AP

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

❶ **Connect devices**

Connect devices by referring to the following figure.



❷ **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.

Tips:
- If there is a DHCP server in this network, you can check the IP address of this AP at the DHCP server. If there is no DHCP server in this network, use the default IP address (192.168.0.254) to log in.
- If you cannot access the web UI of the AP, refer to **Q11** in **FAQ**.

❸ 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

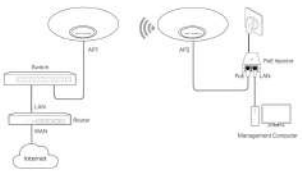
iUAP-AC-LR is used for illustration.

Tips:
- Only iUAP-AC-LR and iUAP-AC-LITE support this function.
- If you want to connect an AP to a network in a wireless manner, please refer to this section.
- Wireless bridge can be performed only under one subchannel at a time. Please select 2.4 GHz or 5 GHz as required. This part uses 2.4 GHz 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 **Log in to the web UI of AP2**

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

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 the 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).

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

FAQ

Q1. I 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 the 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.

Q2. 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 is 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.

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.

CE

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 this 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-6-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)
EIRP Power (Max.):
2.4 GHz: 19.67dBm
5 GHz: 22.21dBm
Software Version: V1.0.0.3

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

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

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

FC

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 the equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Operating frequency: 2412~2462MHz, 5150~5250MHz

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

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.

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 0.3A
Output: 24V DC, 0.8A
DC Voltage

Caution:
Adapter Model: BN017-A360488, BN017-A360488
Manufacture: SHENZHEN HEWEISHUN NETWORK TECHNOLOGY CO., LTD
Input: 100 - 240V AC, 50/60Hz 1.0A
Output: 48V DC, 0.8A
DC Voltage

Address: Room 101, Unit A, First Floor, Tower E3, NO.1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China, 518052
Tel: (86755) 2765 3089
Email: info@ip-com.com.cn
Website: www.ip-com.com.cn

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