

**IP-COM**

## Quick Installation Guide

### Wireless Access Point

#### Package Contents

- Access point \* 1
- Bracket \* 1
- Power adapter \* 1
- Quick installation guide \* 1
- Mounting accessory (including sleeve anchors and screws) \* 1

If any item is incorrect, missing, or damaged, please keep the original package and contact the local reseller or distributor immediately.

\* For more product or function details, please go to [www.ip-com.com.cn](http://www.ip-com.com.cn) to download the user guide.

## 1. Know Your AP

**LED indicator**

LED indicator	Status	Description
SYS	Solid on	The system is starting. If the indicator is still solid on after the AP finishes startup, it indicates that the system is faulty.
Blinking		The AP is working properly.
Off		The AP is powered off or the LED indicator is disabled.

**Port / Button**

Port / Button	Description
LAN	It is a 10/100 Mbps auto-negotiation port used to transmit data or supply PoE power for the AP using an Ethernet cable. PoE devices compliant with IEEE 802.3af or IEEE 802.3at standard can supply power to the AP.
PWR	It is a DC power jack used to connect to the included power adapter.
RESET	It is used to reset the AP. Method to reset: When the SYS indicator blinks, hold the RESET button down for about 8 seconds. The AP is reset successfully when the SYS indicator gets solid on.

## 2. Install the AP

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

- Position the bracket onto the ceiling and mark screw holes on the ceiling with the marker.
- Drill holes in the marked positions using hammer drill.
- Knock the sleeve anchors into the holes using the rubber hammer.
- Align the screw holes with the holes in the ceiling, and then use the included screws to fix the bracket.
- Connect an Ethernet cable (CAT5 or better) to the LAN port of the AP. If you choose to power on the AP by DC supply, connect the PWR port of the AP using the power adapter included in the package.
- Insert the hooks of the AP into the slots of the bracket, and slide the AP to one side to make sure that the AP is fixed well in the bracket.

## 3. Set Up Your WiFi Network

**Note:** PoE supply is used as an example for connection and AP325 for setup in the following instructions.

### Scenario 1: Set up WiFi network without a management device for IP-COM AP

**Tip:** Connect one AP to your PoE switch first. After configuring the AP, connect another AP, perform ③ and ④ on it, and so on.

- Connect devices**

Connect your AP to a PoE port of the PoE switch using an Ethernet cable. Refer to the following figure for detailed connection. After finishing connection, ensure that the AP's LED indicator blinks and the lower-right network icon on your computer is not displayed

Internet

PoE switch

Router

Computer

AP

Laptop

Smart phone

Tablet PC
- Configure the IP address of your computer** (Example: Win7)

Right-click the network icon on the lower-right corner of your computer. Click **Open Network and Sharing Center**, **Local Area Connection**, and then **Properties**. Double-click **Internet Protocol Version 4 (TCP/IPv4)**, select **Use the following IP address**, set **IP address** to **192.168.0.x** (x: 2 to 253). The IP address in this example is **192.168.0.10** and **Subnet mask** to **255.255.255.0**, and click **OK**.

Internet Protocol Version 4 (TCP/IPv4) Properties

General

Obtain an IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

Use the following IP address:  
IP address: 192.168.0.10  
Subnet mask: 255.255.255.0

Obtain DNS server address automatically  
Use the following DNS server addresses:  
Preferred DNS server: .  
Alternate DNS server: .

Validate settings upon exit

OK Cancel
- Set WiFi name and WiFi password for the AP**

Start a web browser on your computer, enter **192.168.0.254** in the address bar, and press **Enter** to log in the web UI of the AP. Click **Quick Setup**, then configure **SSID** (WiFi name), **Security Mode** (WPA2-PSK is recommended), **Key**, and click **Save**.

Quick Setup

Working Mode: AP Mode

SSID: IP-COM\_XXXXXX

Security Mode: WPA2-PSK

Encryption Algorithm: AES

Key: .....
- Change the IP address of the AP**

Click **Network**, **LAN Setup**. Change 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 used in this network, then click **Save**. For 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**.

LAN Setup

IP Address: 192.168.0.201

Subnet Mask: 255.255.255.0

Gateway: 192.168.0.1

Primary DNS Server: 8.8.8.8

Secondary DNS Server: 8.8.4.4

AP Name: Wireless Access Point

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

Wait a moment for the settings to take effect. Now you can access the internet by connecting your wireless devices to the AP's WiFi network. WiFi name: The SSID you set in step ③. WiFi password: The key you set in step ③.

**Scenario 2: Set up WiFi network with an IP-COM AP Controller**

**1 Connect devices**  
Use Ethernet cables to connect APs to the PoE ports of the switch, and your computer to the IP-COM AP Controller (AC). Refer to the following figure for detailed connection.

**2 Configure APs**  
In order to configure your APs, start a web browser on your computer and log in to the web UI of the **AC**. Refer to your AC's user guide for detailed configuration instructions.

**Scenario 3: Set up WiFi network with an IP-COM router that can manage APs**

**1 Connect devices**  
Use Ethernet cables to connect APs to the PoE ports of the switch, and your computer to the IP-COM router. Refer to the following figure for detailed connection.

**2 Configure APs**  
In order to configure your APs, start a web browser on your computer and log in to the web UI of your **router**. Refer to the router's user guide for detailed configuration instructions.

The diagram illustrates two network setup scenarios. In both, a PoE switch connects to three Access Points (APs) via PoE ports. The APs then connect to a Router, which is connected to the Internet via its WAN port and to a LAN port of an IP-COM Router (Scenario 3) or an IP-COM AP Controller (Scenario 2). The APs also provide WiFi signals to a Laptop, Smart phone, and Tablet PC. A Computer is connected to the IP-COM device (either the AP Controller or the Router) via an Ethernet cable. In Scenario 2, the APs are managed by the IP-COM AP Controller. In Scenario 3, the APs are managed by the IP-COM Router.

## FAQ

### Q1: I cannot access the web UI of the AP after entering 192.168.0.254.

#### What should I do?

**A1:** Try the following solutions and log in again:

- Ensure that all your Ethernet cables are properly connected.
- If there is no AC or IP-COM router in the network, 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 used by any other devices in the same network.
- Clear the cache of your web browser or replace the web browser.
- Disable the firewall of your computer or replace your computer.
- If two or more APs are connected in the network without an AC / IP-COM management router, an IP address conflict may happen. You should leave only one AP in the network first and set a new IP address 192.168.0.x (x: 2 to 253) for the AP. Then repeat this procedure to change the IP addresses of the other APs. Meanwhile, make sure that the IP address of your computer is in the same network segment with your APs' new IP addresses. Then try logging in to the web UI of your APs using their new IP addresses.
- If the AP has been managed by the AC or IP-COM router in the network, the AP's IP address may be no longer 192.168.0.254. In that case, go to the web UI of the **AC / router** to view the new IP address of the AP, and then log in to the AP's web UI using the new IP address.
- If the problem still persists, hold the **RESET** button down for 8 seconds to restore the AP to factory settings, and then try logging in again.

### Q2: My AP controller (AC) cannot find my AP. What should I do?

#### A2: Check the following items:

- Ensure that all the devices in the network are connected well and the LED of the AP blinks.
- If VLANs have been defined in your network, verify that the corresponding VLAN has been added to your AP controller.
- Reboot your AP.
- Ensure that the firmware versions of your AP and AC are the latest firmware versions available on [www.ip-com.com.cn](http://www.ip-com.com.cn)
- Reset your AP.  
Method to reset: When the SYS indicator blinks, hold down the **RESET** button for about 8 seconds. The AP is reset successfully when the SYS indicator gets solid on.

#### 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.

This equipment should be installed and operated with minimum distance 20cm between the radiator & 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, IP-COM NETWORKS Co., LTD. declares that the radio equipment type W40AP 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.cn/en/ce.html>

Operate Frequency: EU/2.412GHz-2.472GHz

EIRP Power (Max.): 19.81 dBm

Software Version: V1.0.0.1

#### 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.

This equipment should be installed and operated with minimum distance 20cm between the radiator & 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, IP-COM NETWORKS Co., LTD. declares that the radio equipment type AP325 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.cn/en/ce.html>

Operate Frequency: 2.4 GHz: EU/2.412GHz-2.472GHz

EIRP Power (Max.): 2.4 GHz: 19.9 dBm

Software Version: V1.0.0.3

#### 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.

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.

#### EAC Statement

#### Caution:

Adapter Model: BN036-A12012E, BN036-A12012B

Manufacture: SHENZHEN HEWEISHUN NETWORK TECHNOLOGY Co., LTD.

Input: 100-240 V AC, 50/60 Hz, 0.4 A

Output: 12 V DC 1 A

— DC Voltage

#### 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.

#### Technical Support

Telephone: (86 755) 2765 3089

Website: <http://www.ip-com.com.cn>

E-mail: [info@ip-com.com.cn](mailto:info@ip-com.com.cn)

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