IP-COM W63A Gigabit Access Point Installation Guide

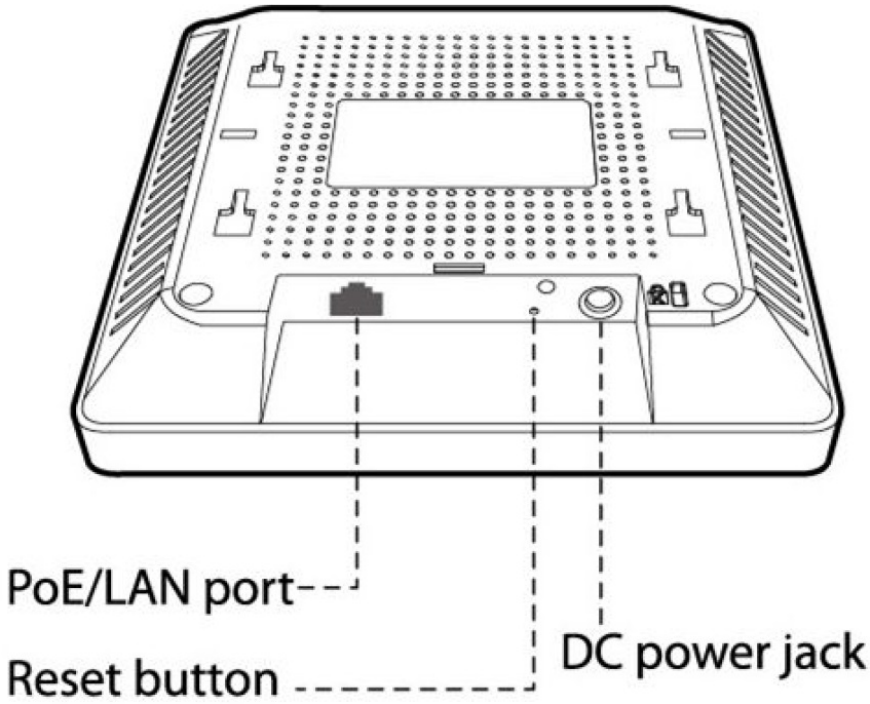
Contents

IP-COM

IP-COM W63A Gigabit Access Point

Getting to Know Your AP

Ports and Buttons

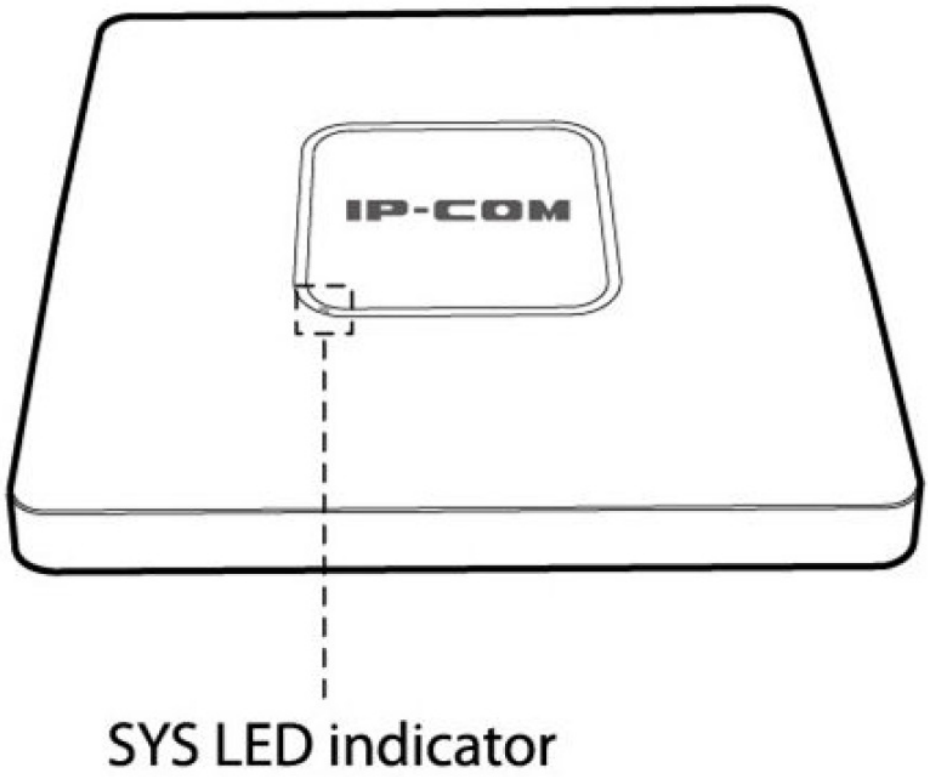


Port / Button	Description
PoE/LAN	It is a 10/100/1000 Mbps auto-negotiation port used to transmit data or supply PoE p ower for the AP through PoE power-supply devices compliant with IEEE 802.3at.
Reset	When the SYS LED indicator of the AP blinks, you can hold this button down for about 8 seconds to reset the AP.
DC	DC power jack. You can use a power adapter to supply power for the AP.

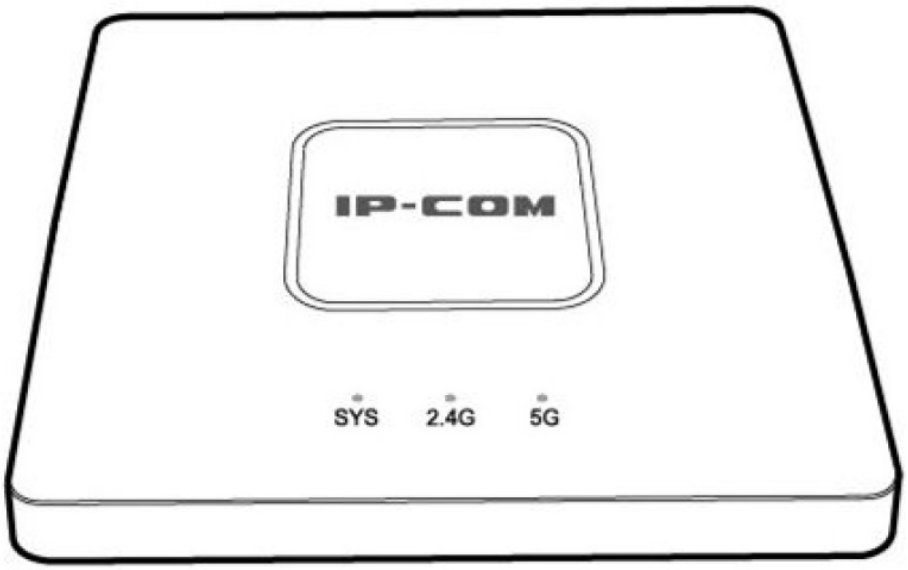
Caution: The power specification may vary. Before powering on, check if the power sourcing equipment you use complies with your AP.

LED Indicators

W63AP / W64AP



W66AP

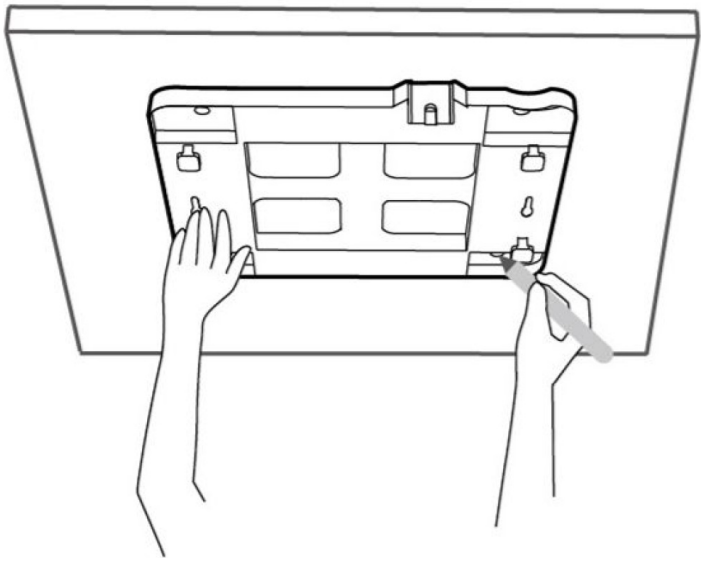


LED Indicator	Status	Description
SYS	Solid on	The system is starting. After startup, it indicates that the system is faulty.
	Blinking	The system is working properly.
	Off	The AP is not powered on, or all the LED indicators have been turned off using the web UI of AP.
2.4G (For W66AP only)	Solid on	The 2.4 GHz Wi-Fi network is enabled.
	Off	The 2.4 GHz Wi-Fi network is disabled, or all the LED indicators have been turned off using the web UI of AP.
5G (For W66AP only)	Solid on	The 5 GHz Wi-Fi network is enabled.
	Off	The 5 GHz Wi-Fi network is disabled, or all the LED indicators have been turned off using the web UI of AP.

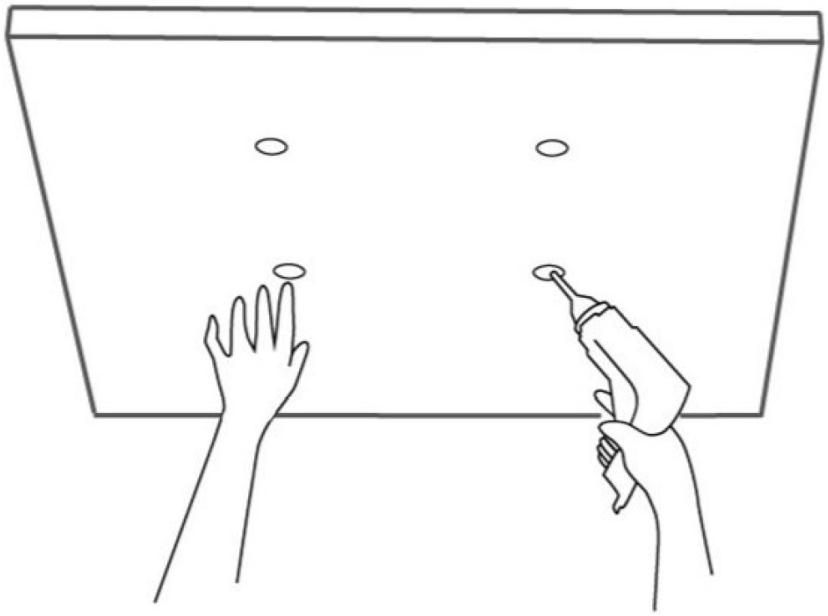
Installing Your AP

Ceiling Installation

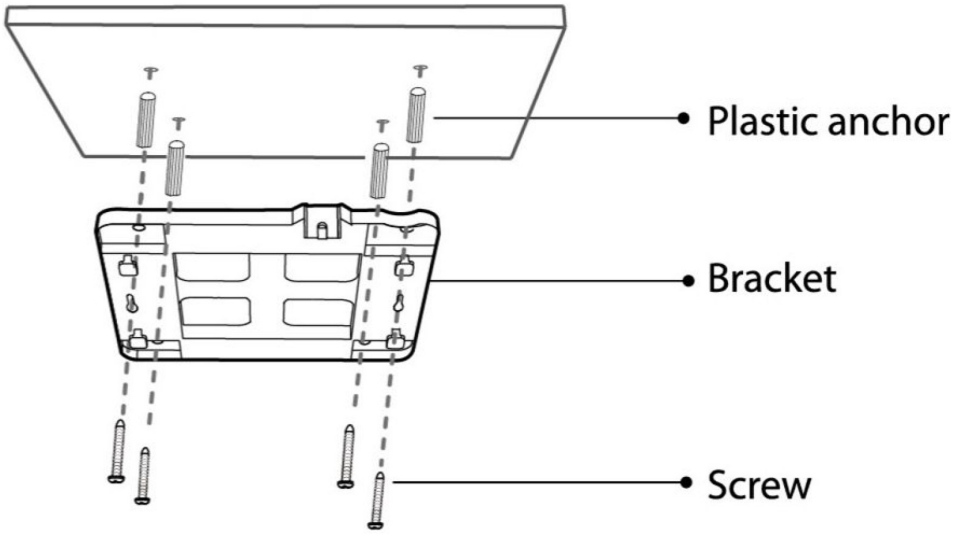
1. Position the bracket on the ceiling and mark screw holes on the ceiling with the marker.



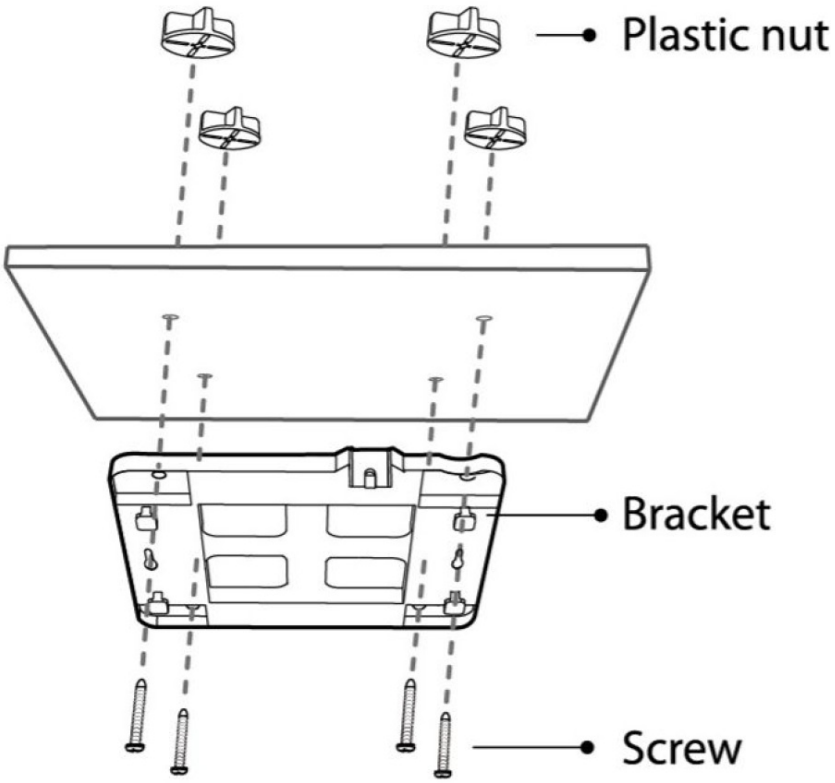
2. Drill holes in the marked positions using a hammer drill.



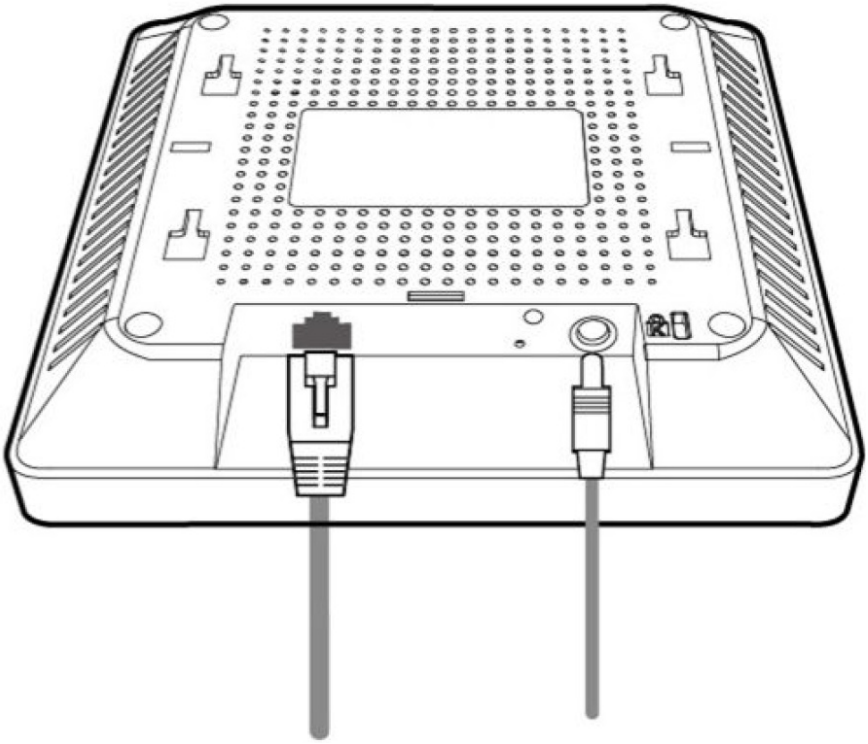
3.
- **Option A:** Knock the plastic anchors into the holes using the rubber hammer. Align the screw holes in the bracket with the holes in the ceiling, and then use the included screws to fix the bracket.



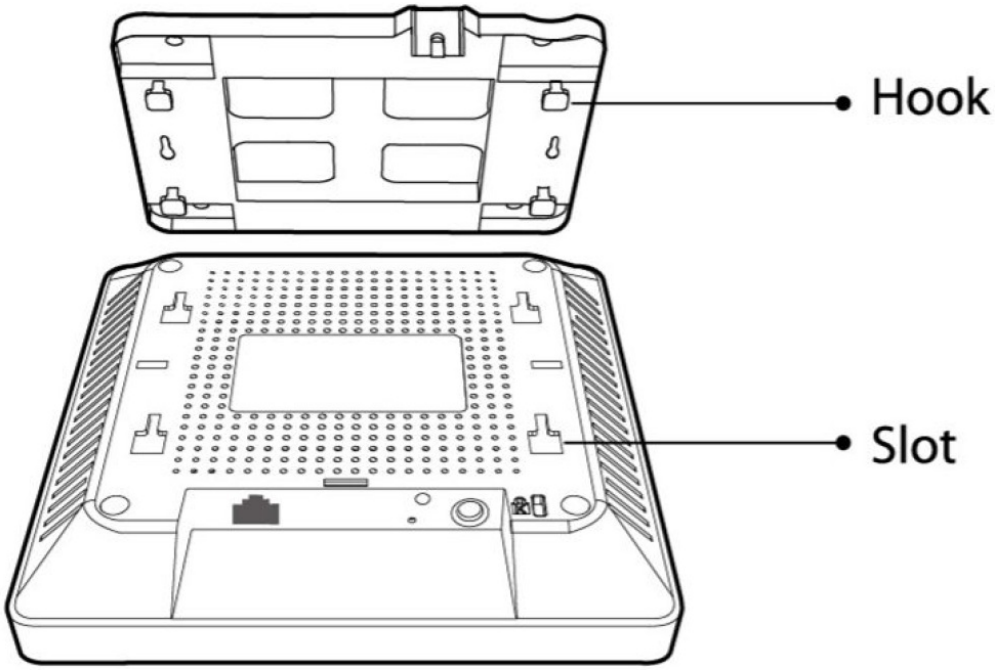
- **Option B:** Align the plastic nuts with the holes in the ceiling, and use the included screws to fix the bracket.



4. Connect a CAT5 or better cable to the PoE/LAN port of the AP. Connect a PoE switch to the PoE/LAN port, or a power adapter to the DC power jack to supply power for the AP.
   Before powering on, check if the power sourcing equipment you use complies with your AP.

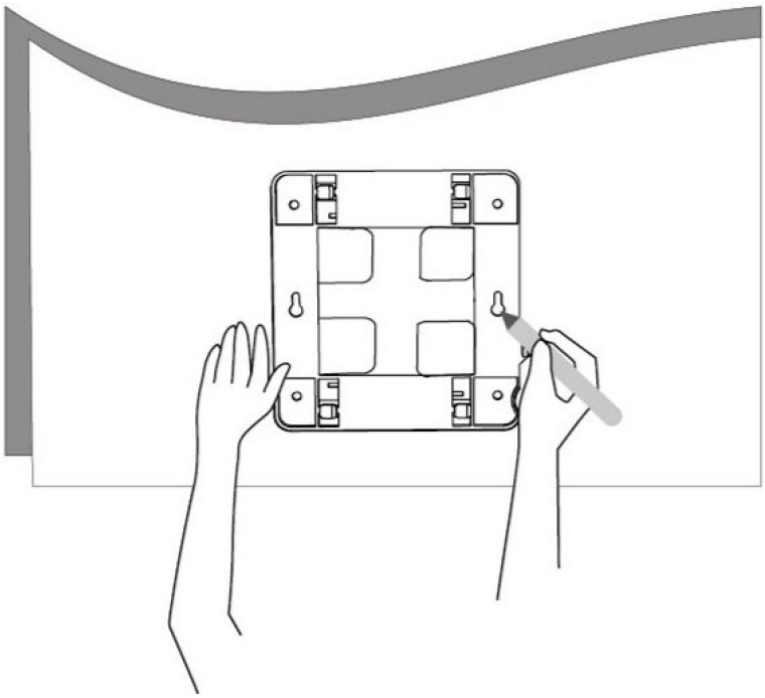


5. Align the slots of the AP with the hooks of the bracket, and push the AP to one side until you hear a click.

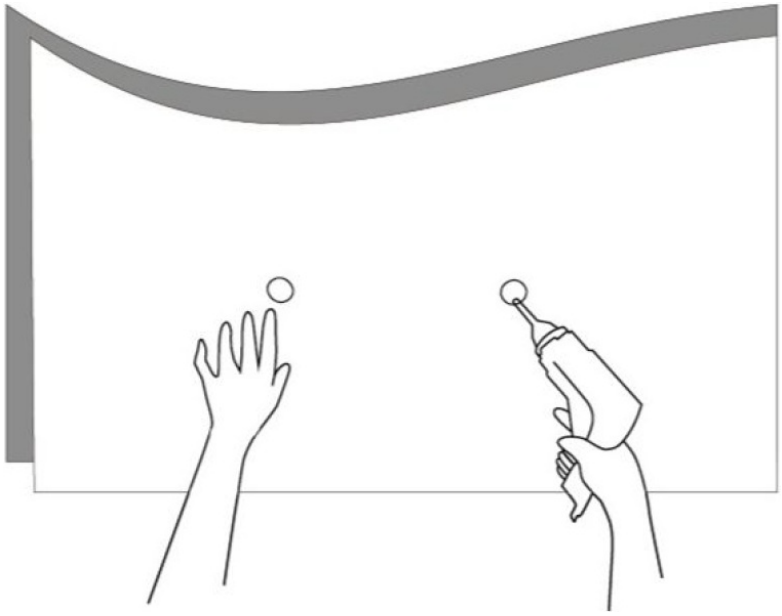


Wall Mounting

1. Position the bracket on the wall, and mark screw holes on the wall with the marker.

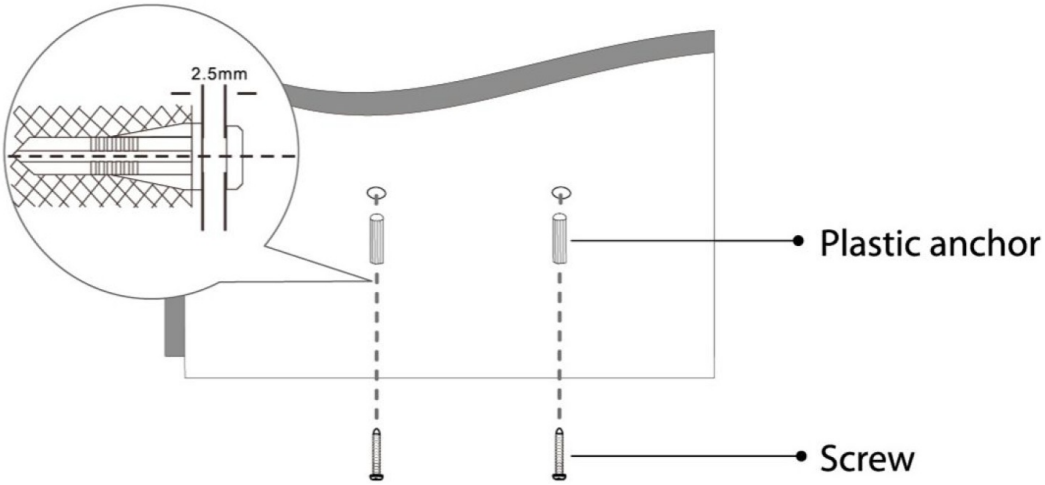


2. Drill holes in the marked positions using a hammer drill.



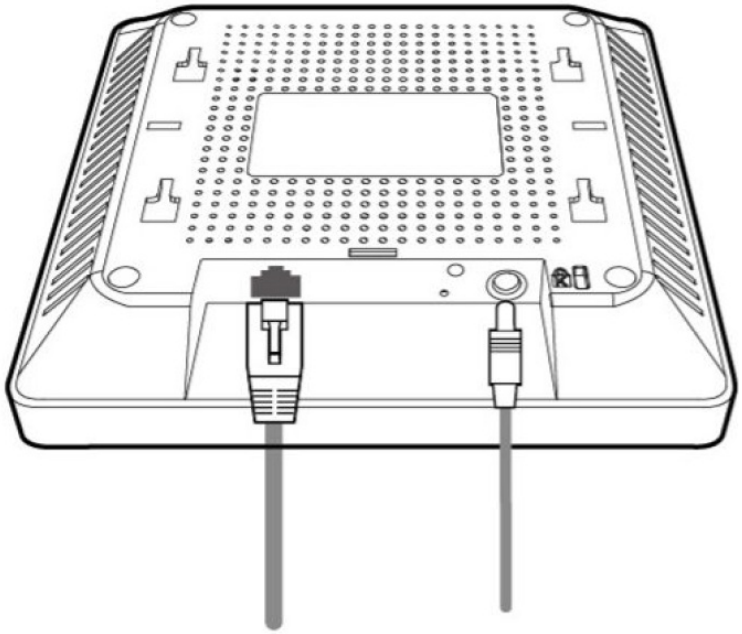
3. Knock the plastic anchors into the holes using the rubber hammer. Then use the screwdriver to tighten the screws into the plastic anchors.

   Note: Leave a gap of 2.5 mm or larger between the screw cap and the rim of the plastic anchor.

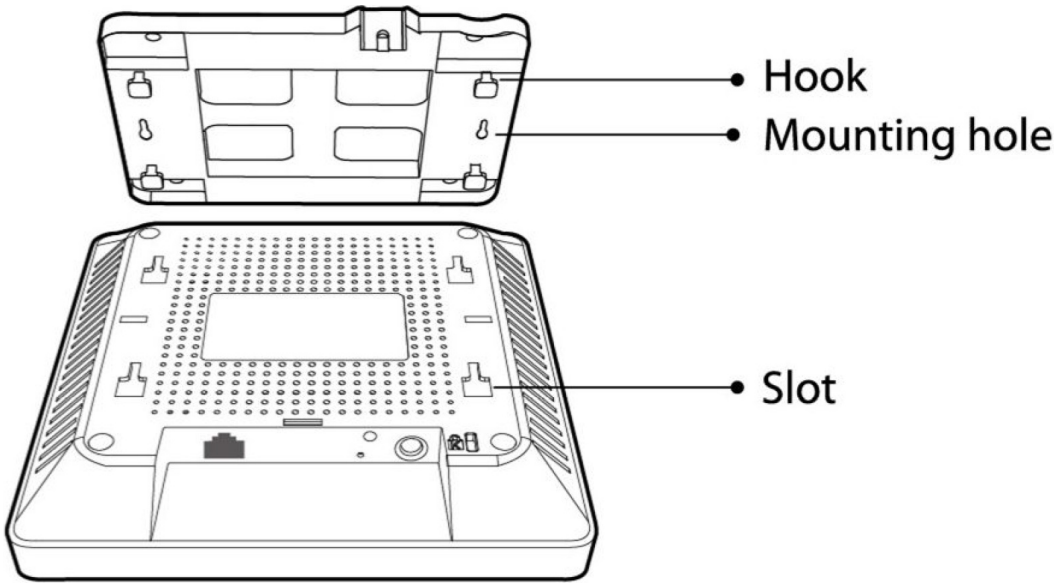


4. Connect a CAT5 or better cable to the PoE/LAN port of the AP. Connect a PoE switch to the PoE/LAN port, or a power adapter to the DC power jack to supply power for the AP.

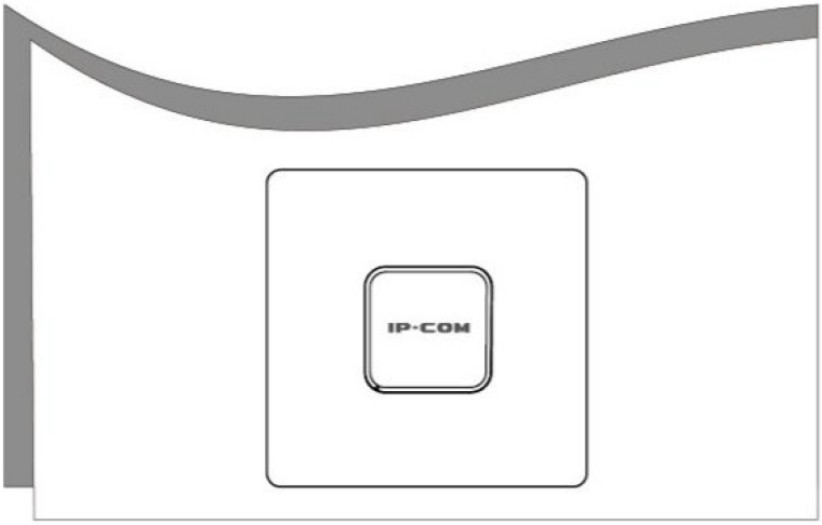
   Before powering on, check if the power sourcing equipment you use complies with your AP.



5. Align the slots of the AP with the hooks of the bracket, and push the AP to one side until you hear a click.



6. Align the wall mounting holes on the bracket with the screws to mount it.



Connecting and Configuring Your AP

Scenario 1: Deploying your network without a management device for IP-COM AP

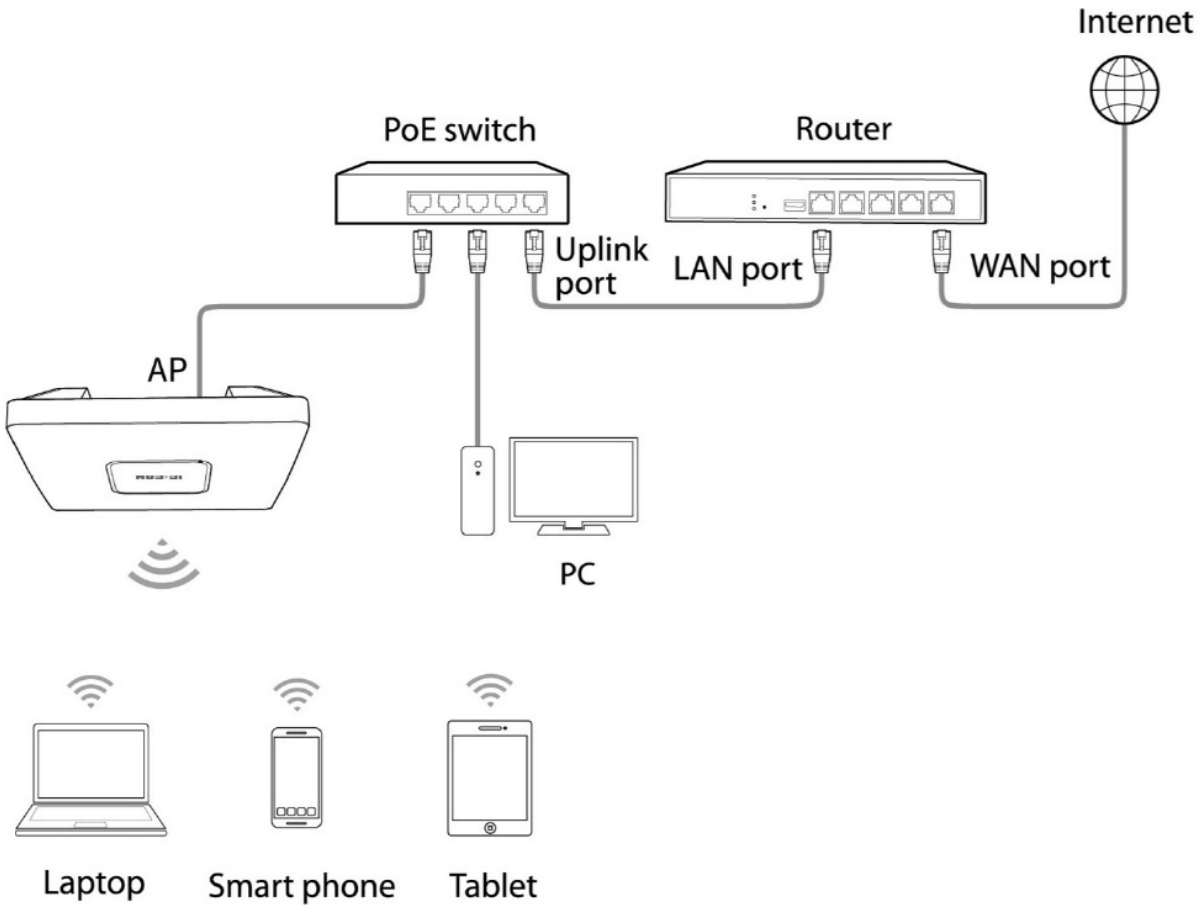
Tips: Connect and configure your APs one by one. That is to say, connect one AP to your PoE switch and configure it. After finished, connect the second AP and and repeat 3 and 4 on them.

1. **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.

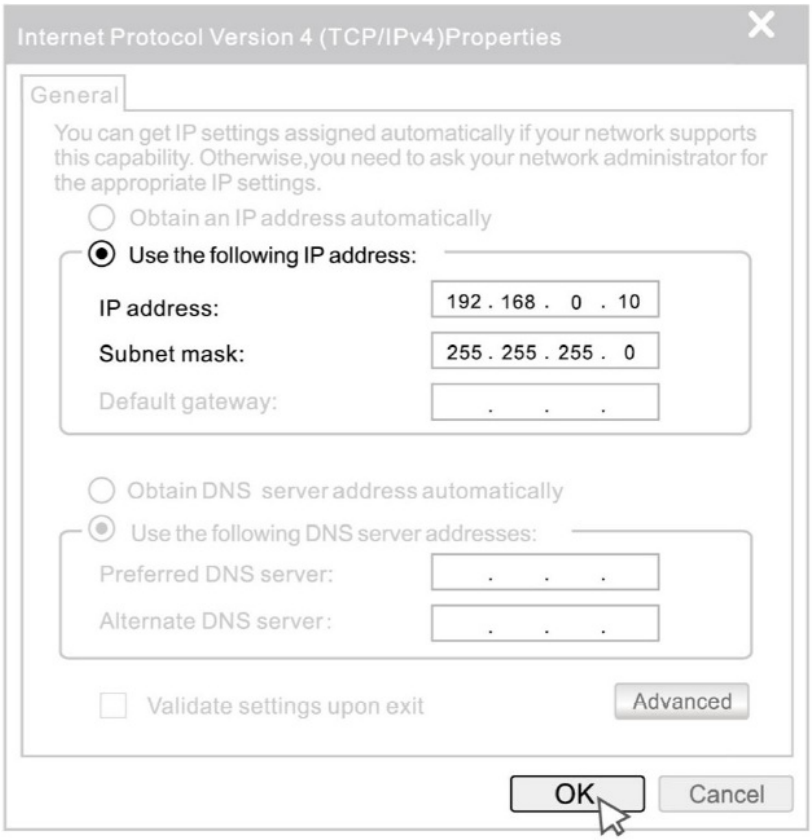
   After finishing, check your connection, ensure that the AP's SYS LED indicator blinks and the lower-right Internet icon on your computer is **not** displayed.



2. **Configure the IP address of your computer (Example: Win10)**

   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.



3. **Log in to the web UI of the AP**

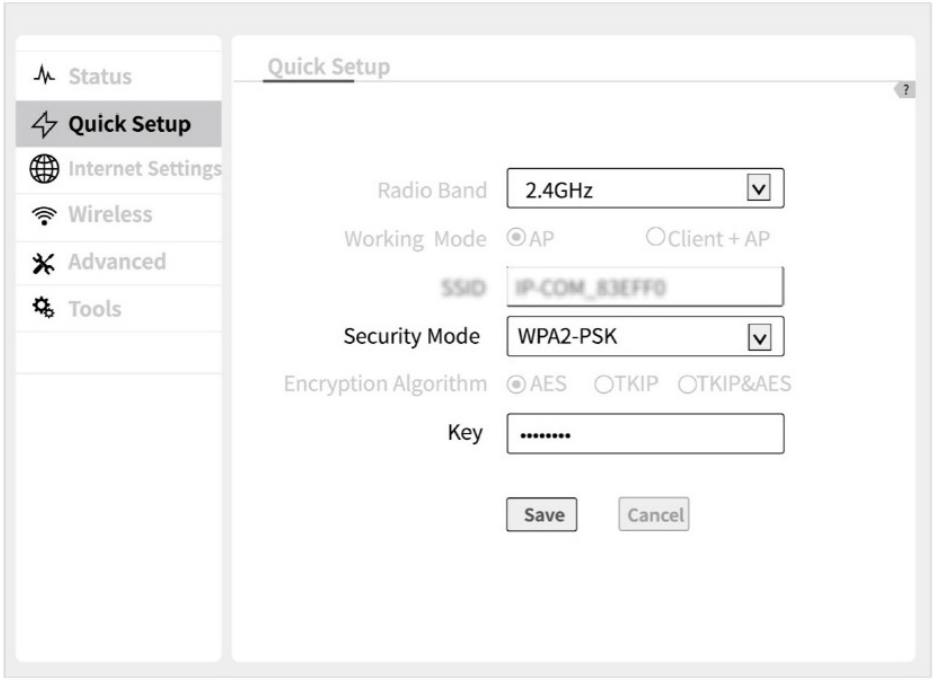
   Start a web browser on your computer, and access **192.168.0.254**.

Follow the on-screen instructions for login.

Choose **Quick Setup**, the **2.4GHz** configuration page appears.

Configure **SSID** (Wi-Fi name), **Security Mode** (**WPA2-PSK** is recommended), **Key**, and click **Save**.

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



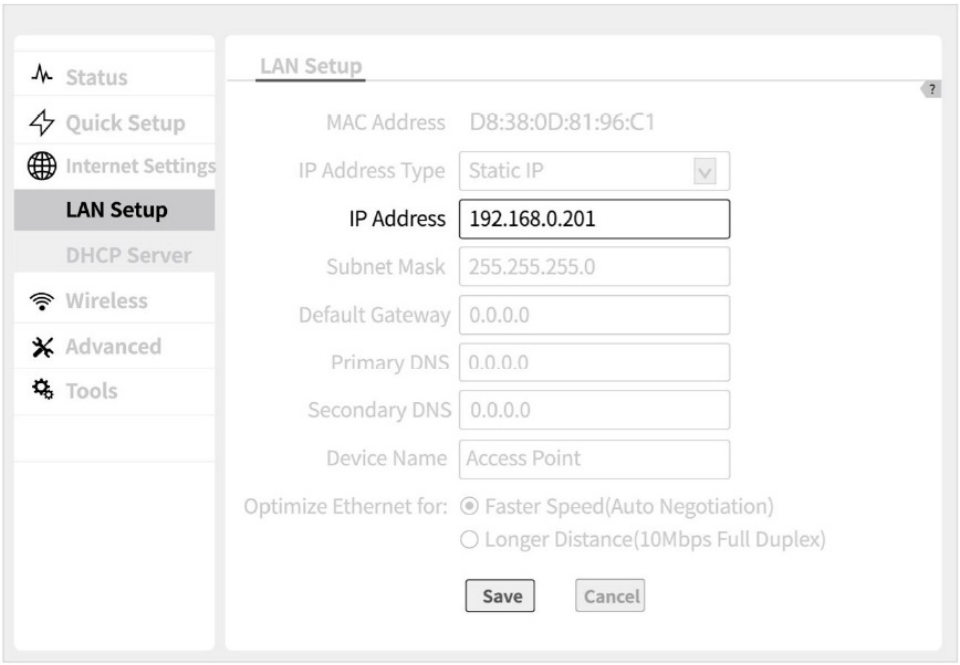
Tips: If you cannot log in to the web UI of the AP, refer to Q1 in FAQ.

4. **Modifying 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 used 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.

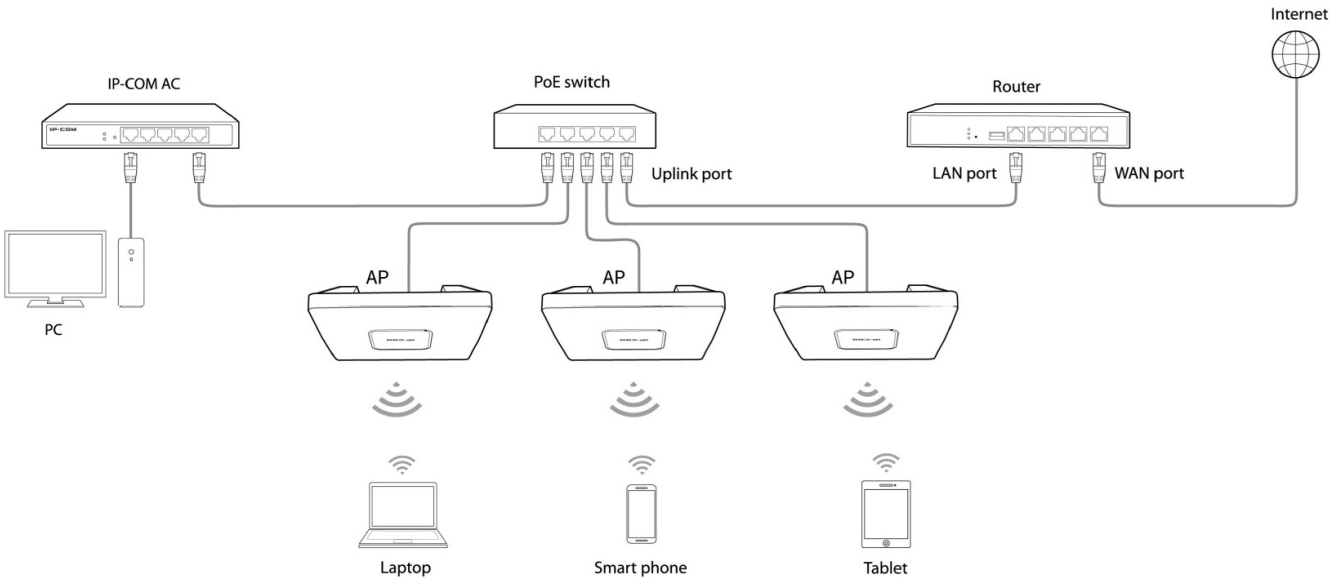
Wi-Fi name: The SSID you set in step 3.

Wi-Fi password: The Key you set in step 3.

Scenario 2: Deploying your network with an IP-COM access controller (AC)

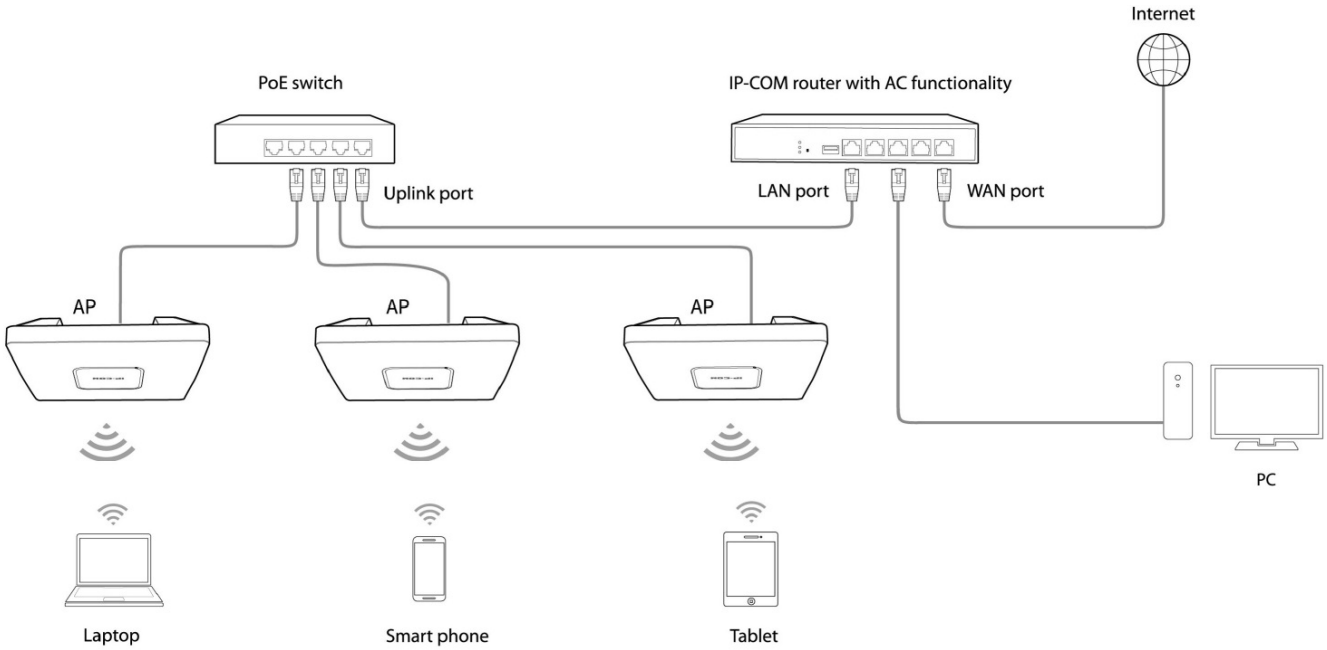
1. **Connect devices**

   Use Ethernet cables to connect APs to PoE ports of the switch. Refer to the following figure for detailed connection.



2. **Configure 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 instructions.



Scenario 3: Deploying your network with an IP-COM router that includes the AC functionality

1. **Connect devices**

   Use Ethernet cables to connect APs to the PoE ports of the switch. Refer to the following figure for detailed connection.

2. **Configure APs**

   Start a web browser on your computer and log in to the web UI of your IP-COM router. Refer to the router's user guide for detailed instructions.

FAQs

1. **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:

   - Check if your Ethernet cables are connected properly. If yes, the corresponding LED indicator lights up.
   - 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 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 an AP controller, 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 the other APs. Meanwhile, ensure that the APs' new IP addresses are in the same network segment with the IP address of your computer. Then try logging in to the APs' web UI using their new IP addresses.
   - The AP may be being managed by an AC and therefore its IP address is no longer 192.168.0.254. In this case, go to the web UI of the AC to view the new IP address of the AP, and then log in to the AP's web UI using the new IP address.

2. **Q2. My wireless AC cannot find the AP. What should I do?**

   A2. Try the following solutions:

   - Check if you use the IP-COM AC. The AP can only be managed by IP-COM AC.
   - Ensure that all the devices in the network are connected properly and the AP has completed startup.
   - If VLANs have been defined in your network, verify that the corresponding VLAN has been added to your AC.
   - Reboot the AP.
   - Ensure that the firmware versions of your AP and AC are the same with the latest firmware versions available on www.ip-com.com.cn.
   - Reset your AP.

3. **Q3. How to upgrade my AP?**

   A3. Perform as follows:

   1. Choose your firmware version and download it from our official website **www.ip-com.com.cn**.
   2. Unzip the file you downloaded.
   3. Log in to the web UI of the AP, choose Tools > Maintenance, and navigate to the Firmware Upgrade section. Click Upgrade, select and upload the file ending with .bin from the file folder you unzipped, and click Upgrade.
   4. After successful upgrade, reset your AP to apply your settings.

4. **Q4. How to reset my AP?**

   A4.

   - **Option 1:** Reset using the Reset button

     When the SYSLED indicator of the AP blinks, hold down the Reset button for about 8 seconds. The AP is reset successfully when the SYS LED indicator lights solid on.
   - **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.

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 5.15-5.25 GHz band are restricted to indoor use only.
This equipment should be installed and operated with 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.

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.

Declaration of Conformity
Hereby, SHENZHEN IP-COM Networks Co., Ltd. declares that the radio equipment type W63AP 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**

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Hereby, SHENZHEN IP-COM Networks Co., Ltd. declares that the radio equipment type W64AP is in compliance with Directive 2014/53/EU.
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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 this equipment.
2. To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.

- **Operating temperature:** -10℃ – 40C
- **Operating humidity:** (10 – 90)% RH, non-condensing
- **Storage temperature:** -30℃ – 70℃
- **Storage humidity:** (5 – 93)% RH, non-condensing
- **Operating Frequency:**
  - 2.4GHz: EU/2400-2483.5MHz (CH1-CH13)
  - 5GHz: EU/5150-5250MHz (CH36-CH48)
- **EIRP Power:**
  - 2.4GHz: <20dBm
  - 5GHz: <23dBm
  - 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	FRF
	HR	IT	CY	LV	LT	LU	HU	MT	NL	AT
	PL	PT	RO	SI	SK	FI	SE	UK		

Technical Support

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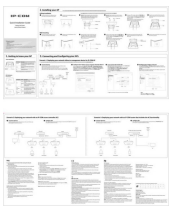
Website: www.ip-com.com.cn
Address Info
Room 101, Unit A, First Floor, Tower E3, NO.1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052

Documents / Resources

	IP-COM W63A Gigabit Access Point [pdf] Installation Guide W63A, W63A Gigabit Access Point, Gigabit Access Point, Access Point, Point