# 300Mbps Ceiling APP

## Quick installation guide

August,2013

This manual suit for quick installation of indoor 300m 11N wireless AP & High Power Router.This manual will instruct you how to configure and manage this indoor 300m 11N wireless AP & High Power Router in right ways.
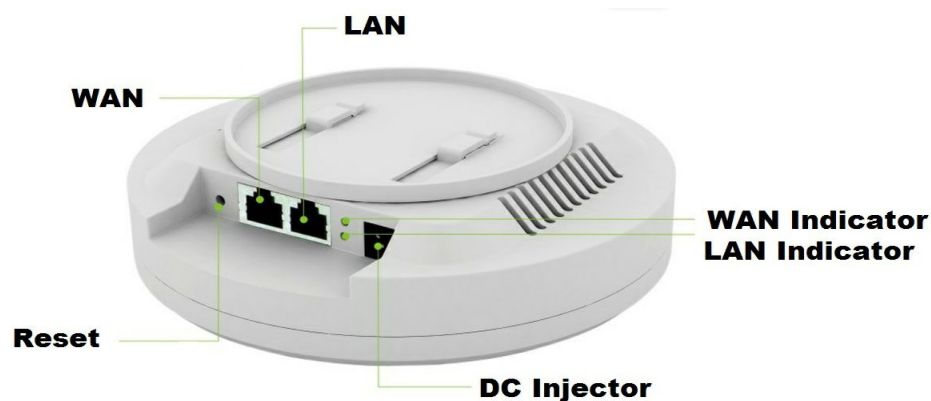
Please check the package before use.
● Ceiling AP*1
● DC 24V 1000mA POE adapter*1
● auxiliary tools for installation*1
● Quick installation guide manual*1
● Quality certificate*1
● Warranty Card*1

# Quick Configuration Guide

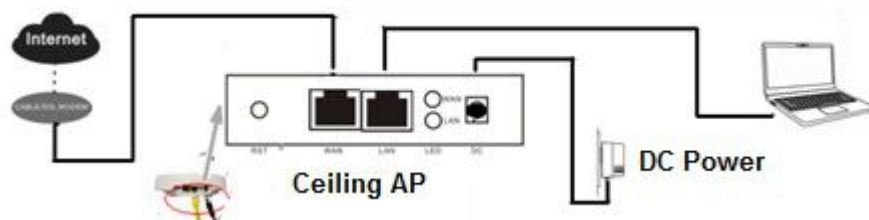## 1st .Connection and power supply.

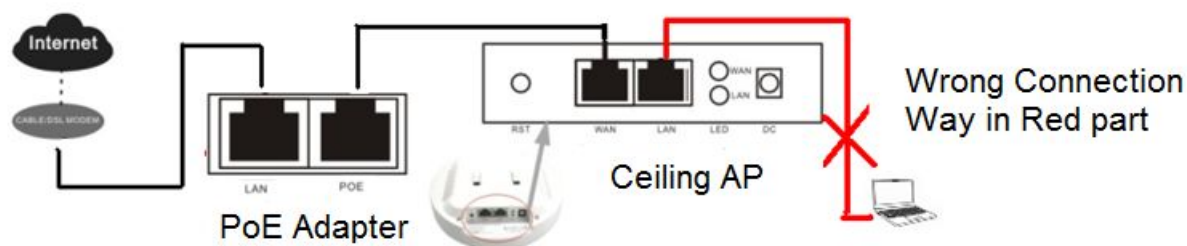### The device's interface description



P1    XD9500`s Interface

### power supply mode

1. DC power supply: the DC's electronic standard is 12V/1A, connection diagram as follow:



2. Powered over Ethernet: Connect device's WAN/LAN Port with PoE adapter by LAN Cable   (Both LAN port and WAN port support the 12V/24V PoE.), the right connection diagram should be as follow:

If user want access into Ceiling AP from PC, can be Wireless connection; or LAN cable connection, but the LAN cable should be designed as follow, and our ceiling AP should be under Gateway (Default Mode) and AP operation mode!



3. When powered by 24V/1A PoE, this ceiling AP can be PoE power supply for another ceiling AP from Wan port or Lan port

Attention: line 4,5 must be positive electrode, Line 7,8 must be negative electrode in RJ45 Port.Just as the picture shows below,  Device A's WAN port connect with 24V/1A PoE Power Adapter, then A's LAN port supply 12V/1A power for B.
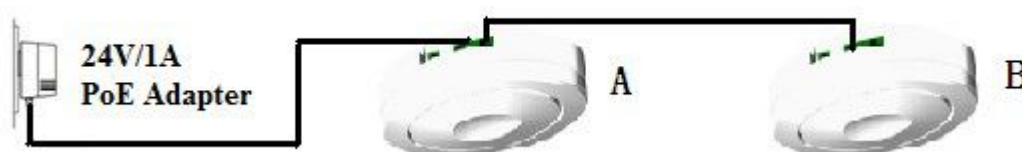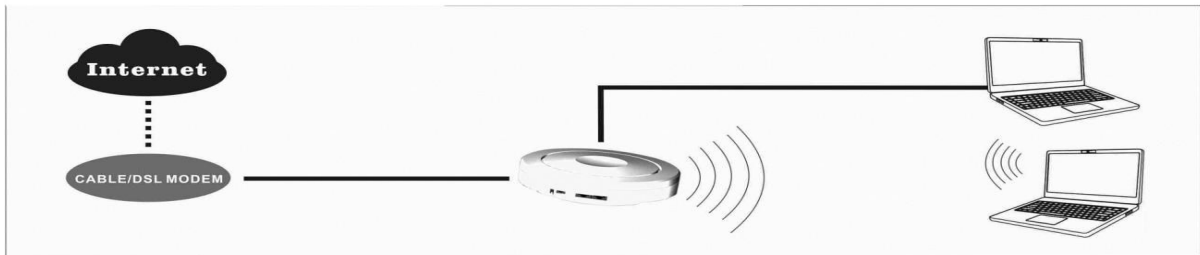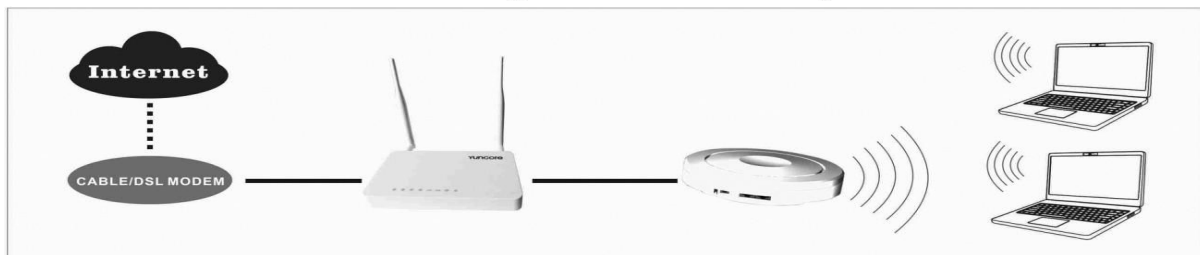


 wrong connection or unauthorized power adapter may damage the device.
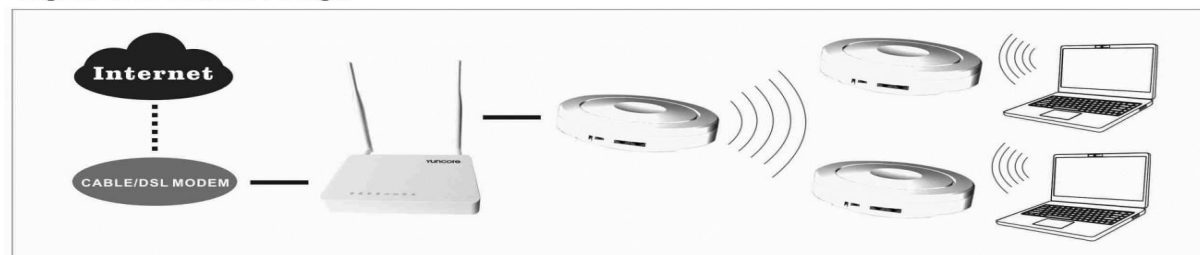
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## Working mode Description

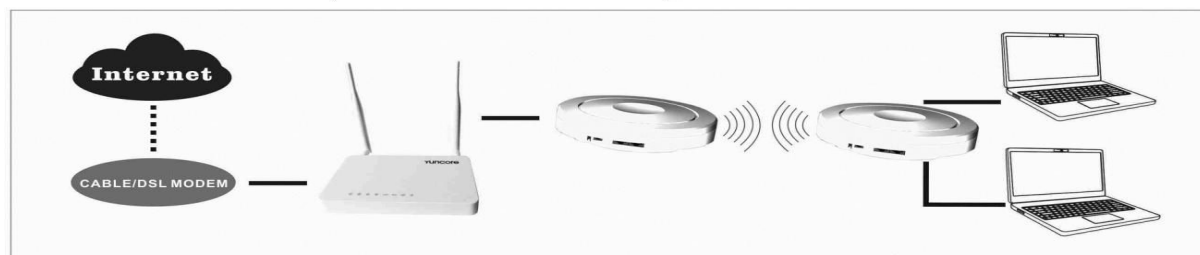Gateway: WAN/LAN Connection, from Internet to user



AP: Conversion from Wired networking to Wireless networking



Repeater/WDS: Bridge the Wireless networking via two or more APs, to booster the wi-fi signal and extend Range



WISP: Wireless Access, Wireless out or LAN out, DHCP Enable



# 2<sup>nd.</sup>login and launch

1)connect the ceiling AP with computer by Wired/Wireless

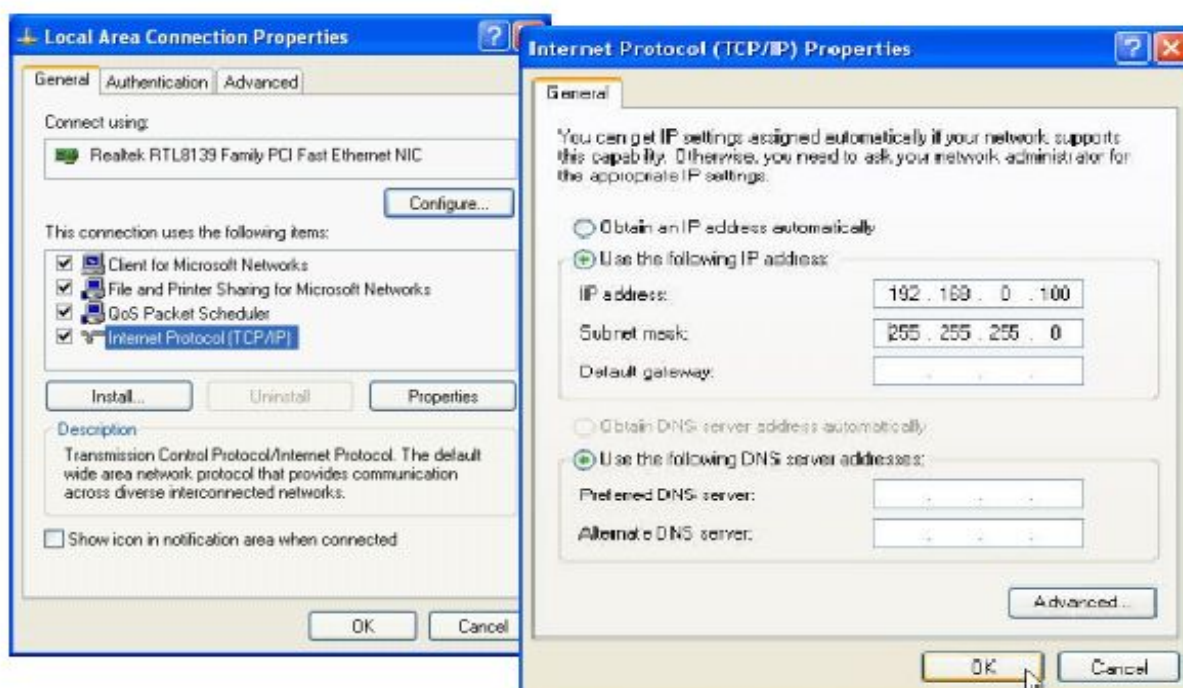2)Get the IP address automatically or manually configure

**Wire connect**

A. manually configure

configure local IP address as 192.168.0.x(X can be selected from 2-254) the same network segment as XD9500，subnet mask 255.255.255.0，As P2 and P3 shows.



P2 IP configuration of computer network



P3 IP configuration of computer network card
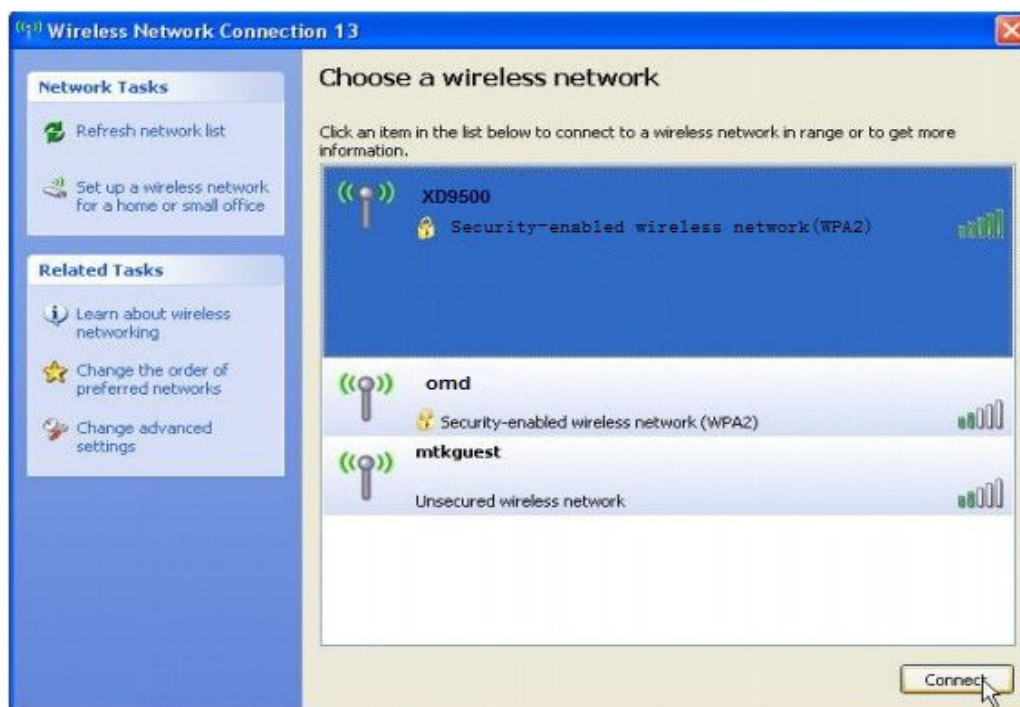
**wireless connection**

After basic configuration, if you want use wireless internet,you can configure computer wireless connection as local connection settings mentioned above. Right click "wireless network configuration",chose "check available wireless connection",find the connecting name"XD9500"，the default Passwords is"666666"
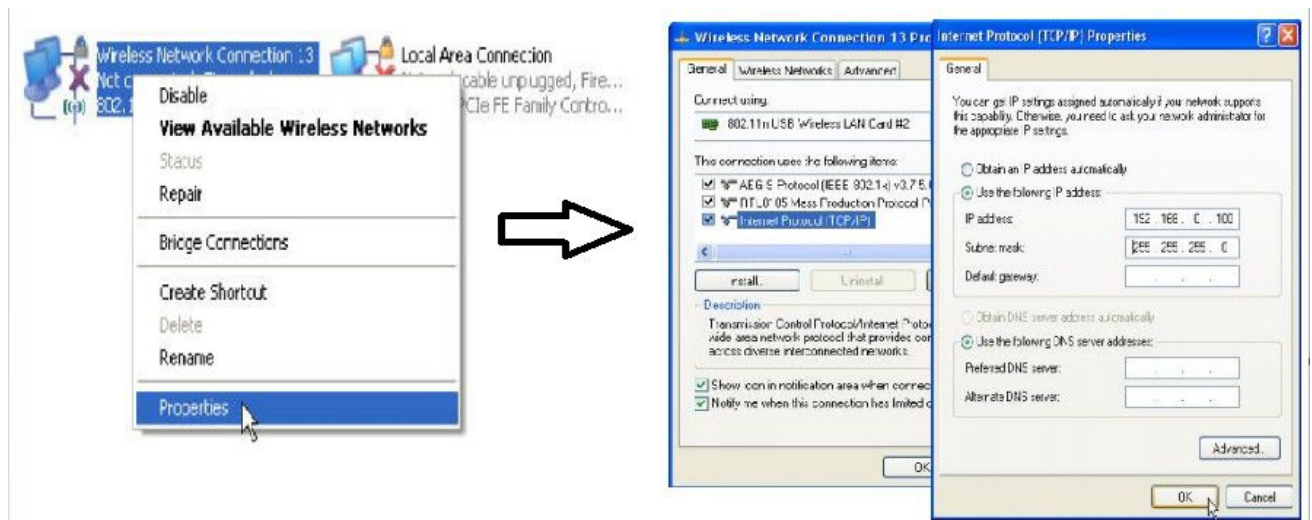
P4 IP Address setting

P 5 Wireless Connection

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If you computer include 802.11b/g/n functions but cannot find wireless connection,please contact the after-sell departement of your computer supplier when in those situation.

1)Right click"network neighborhood"and chose "attribute" ， no wireless connection exist.

2)Wireless connection existed, Right click it and chose "attribute",there are "normal" and "advance" in the menu,but no "wireless network configuration" exist.

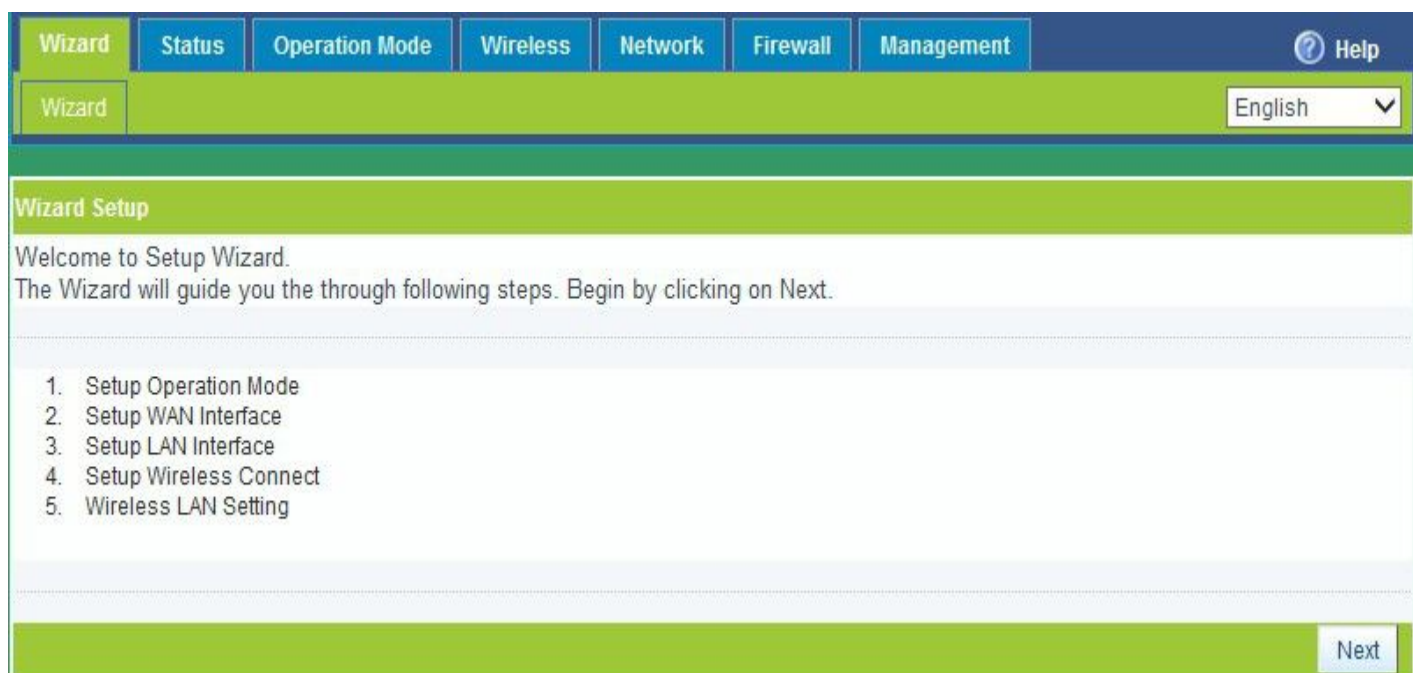3)Other computer or wireless device connection is normal.

3) Log in the CPE: Open your web browser, type 192.168.0.1 in the address bar, enter the    User name/Passwords: preset as **admin/admin,** then you can found on the label attached to the router, click **OK**



P6 User name and passwords input

# 3ⁿᵈ steps: Operation mode setting

- Enter into the page of WEB software management page, then set the ceiling AP as requirement. The default working mode is Gateway, but we take Repeater for example to show how to select the right working mode. Click Wizard, then select the Operation modem, then next to enter into another page.



| Wizard | Status | Operation Mode | Wireless | Network | Firewall | Management | ⑦ Help |
|---|---|---|---|---|---|---|---|

Wizard | English ▼

**Wizard Setup**

Welcome to Setup Wizard.
The Wizard will guide you the through following steps. Begin by clicking on Next.

1. Setup Operation Mode
2. Setup WAN Interface
3. Setup LAN Interface
4. Setup Wireless Connect
5. Wireless LAN Setting

Next

P7 Wizard Page

- Set Working Mode: Select Repeater Mode in P8, click Next



P8 Operation mode select

- **LAN Setting**

LAN IP Address Setting: Fill in the IP Address we need, it will show like P9 after configure

DHCP Server: DHCP Server is unable in default under Repeater mode, click Next to continue



P9 LAN Setting

● Connect with Wireless AP: Click Search Wireless AP in page P10, then choose the right wireless AP in P11. Then input the right passwords and click Next to continue in P12



P10    Scan AP



P11 AP List after scan

P12 Passwords input

- Basic Setting: configure the SSID, Channel, passwords if require, like P13



P13 Basic Setting

- Setting Finish: Click Finish after configure all the data, pop up a window and ask whether continue to changing even the ceiling AP will reboot. Choose OK to continue and waiting system reboot.
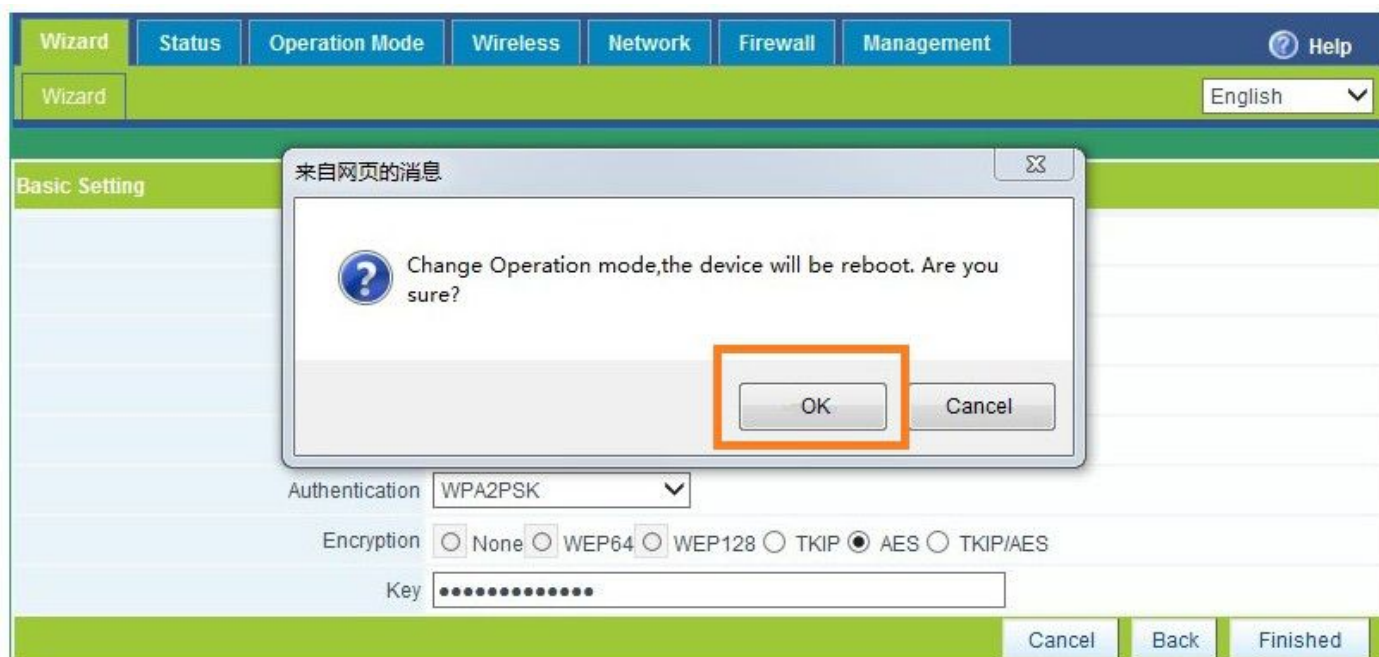
P14　Change the working mode

- Checking Status: After reboot, the working mode of Ceiling AP is Repeater. Our PC and other wireless device can access to and get Ethernet from the top end AP or router by our ceiling AP in Repeater Mode. The user should change PC's IP address to one from 192.168.0.2~254, then can access to the ceiling AP and checking the status.

After checking the status successful, we finished the Repeater working mode setting.

**For other mode, can be configured and setted similiar like WDS.**

# Management

Click Management to enter into the management page as follow P16



P 16    Management Page

- System: export the default data, or load the new configure file to restore the AP's system, or reboot to default setting.
- Manager:   set the the manager and passwords for ceiling AP
- Log: Log Enable or disable, or view the system log from here
- Firmware upgrade: Upgrade new firmware to access stable function

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The XD9500 can restore to factory default by press the Reset button last more than 10 seconds. Then XD9500 will restore to factory default setting after WiFi LED flash off and System reboot.

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# Trouble Shooting

Form 1   Symptoms and Treatment

| Symptoms | Treatment |
|---|---|
| Forget the login user name and passwords | Restore to factory default |
| Can't login the ceiling AP through WEB management | 1、Pls make sure the PC and ceiling AP's IP Address are in same network segment, can be checked through Ping: PC start--input CMD in Run, then ping 192.168.0.1<br>2、Login after Restore this ceiling AP to factory default<br>3、Make sure there isn't any equipment take IP address of 192.168.0.1 in ceiling AP's networking<br><br>4、Check your computer and network cable to avoid any problem, recommend to use unshielded twisted pair 10/100M Ethernet cable. |
| Forget the AP's SSID and passwords | Restore to factory default |
| Can't access to AP's IP address | 1. Check the AP's DHCP and make it enable in Gateway mode and WISP mode<br>2. Check the connection between ceiling AP and the top networking in AP and Repeater mode |
| No Power indicator | 1. If DC Power, check the local power supplier<br>2. If PoE Power, check the PoE adapter and Internet cable |