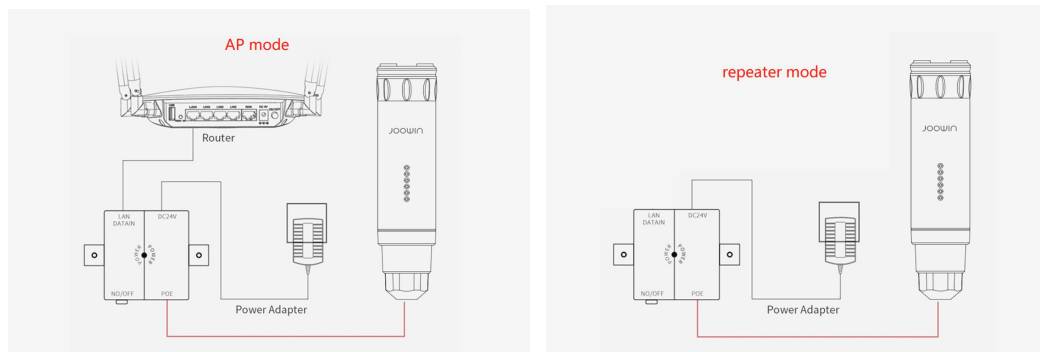


JOOWIN outdoor access point installation & troubleshooting

1. AP mode & repeater mode set up method:



A. Below is the **"AP mode" setup steps** (a little difficult but has better signal), also a video guidance is attached. In "ap mode", you need two network cables.

I. Install AP product and power it by original POE adapter.(do not connect POE adapter LAN port with your router now to avoid IP conflict) Then select EW74 wifi and connect it.

II. Open the browser and it will automatically transfer to the menu page or you can enter "192.168.10.1" to enter menu.

set password: admin

III. Select "AP Mode" and begin to setup.

The IP address should be the same network segment with the upper network. E.g. my router IP is: 192.168.1.1, so I should set "192.168.1.x" here (can't be 192.168.1.1 , can't IP conflict with other devices).

IV. Set the corresponding parameters and save settings. After setup is successful, wait about 2 minutes.(AP configure the setup program)

Then, re-connect wifi "EW74" and connect the POE adapter LAN port with your router LAN port.

Now you can surf the internet for free.

Note: After set up successfully, you need to enter "192.168.1.x" (depends on the IP you set earlier in step 3) to enter the menu interface.

B. The **"repeater mode" setup steps** is easy (simple but has a little network speed loss). In "repeater mode", you need only one network cable.

I. Install AP product and power it by original POE adapter. Then select EW74 wifi and connect it.

II. Open the browser and it will automatically transfer to the menu page or you can enter "192.168.10.1" to enter menu.

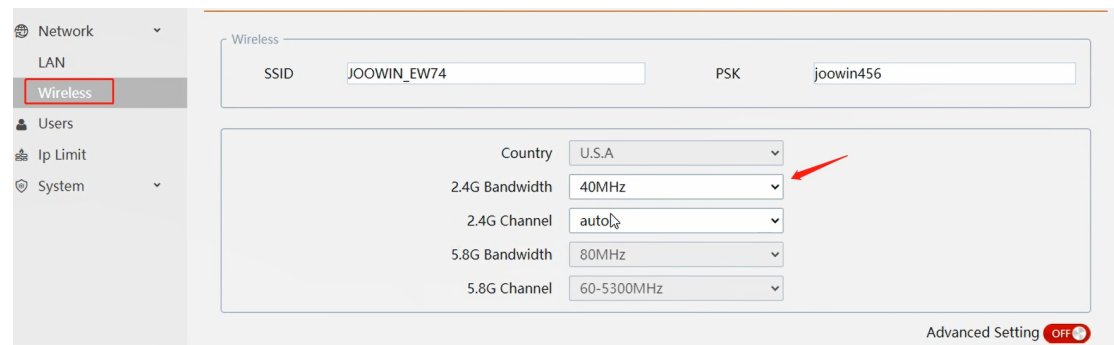
set password: admin



III. Use the default IP : 192.168.10.1 and enter the next step. Scan wifi and choose your own router wifi name. Then enter your router wifi password, next steps-set a independent password for this extended wifi.

IV. Save datas and wait the configuration process. After that, wait 30s and then re-connect wifi "EW74" to surf the internet freely.

2. Internet speed is slow or 5g signal cannot be found:



I. Recommended set way: In a good wifi signal environment, extend "router's 5G band" and connect "AP's 2.4G band" with your devices which will maximize the extender's performance. Since 2.4G band has a better performance on through the obstacles and walls.

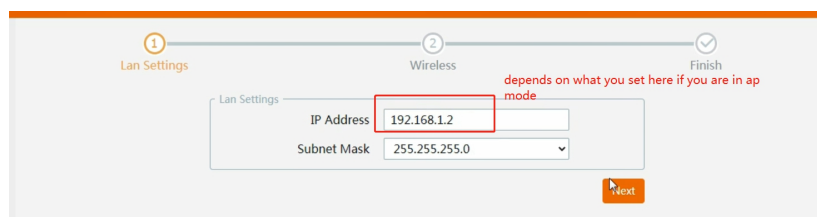
II. Change the country code to the United States. Do not choose automatic channel, choose 36 channels. Also, choose 40MHz for bandwidth 2.4G and 80MHz for 5.8G. The higher the bandwidth, the weaker the long-distance signal. If the Internet is slow, increase the bandwidth. And decrease the bandwidth if the signal is weak. Higher bandwidth for high speed and short distance, low bandwidth for stable signal and long distance. You can set the bandwidth according to your needs.

III. Besides, the fewer times the network passes wireless transmission, the less its rate loss. Wired method is the best way to reduce loss. So we recommend that you set "ap mode" which the signal is transfered only once via wireless way. If you set up wireless transmission mode like "repeater mode"/ "bridge mode". The signal strength will decrease much in wireless transmission since its the signal is transfered twice via wireless way.

3. Can not login the system interface with "192.168.10.1"

I. Enter "192.168.10.1" to enter the menu interface when using "repeater mode".

II. Enter "192.168.1.x" (depends on the IP you set earlier in step 3) to enter the menu interface when using "ap mode".



4. How to reset this device:

Reset method: power on and wait 60s, then press the reset hole by a slim stick for 10s till the blue lights are all off. (You will see the blue lights flash on and off for 3-4 times when holding pressing, and then all are off) Then, wait till the "JW-EW74" signal appears on your computer wifi list, now begin to set it.

5. How to make your PC access each other:

In the configuration wizard page of AP mode, modify the LAN port IP to the IP segment of the current intranet. At the same time, set the computer or mobile phone to a static IP address, and the same network segment as the current intranet, so that the devices can be accessed each other. For example: your intranet IP is: 192.168.0.1, you can set the access point's LAN port IP in ap mode to: 192.168.0.2, after the setting is successful, you will need to use "192.168.0.2" to log in to the main menu in the future page. Then your laptop and desktop computer can set static IP address: 192.168.0.3 and 192.168.0.4

Note: In the ap mode, the LAN port of the device is modified to the same network segment as the computer (a static IP address is recommended), so that the computer, laptop and the other device can access each other.

6. How to check the "terminal device's IP address" and "traffic statistics"?

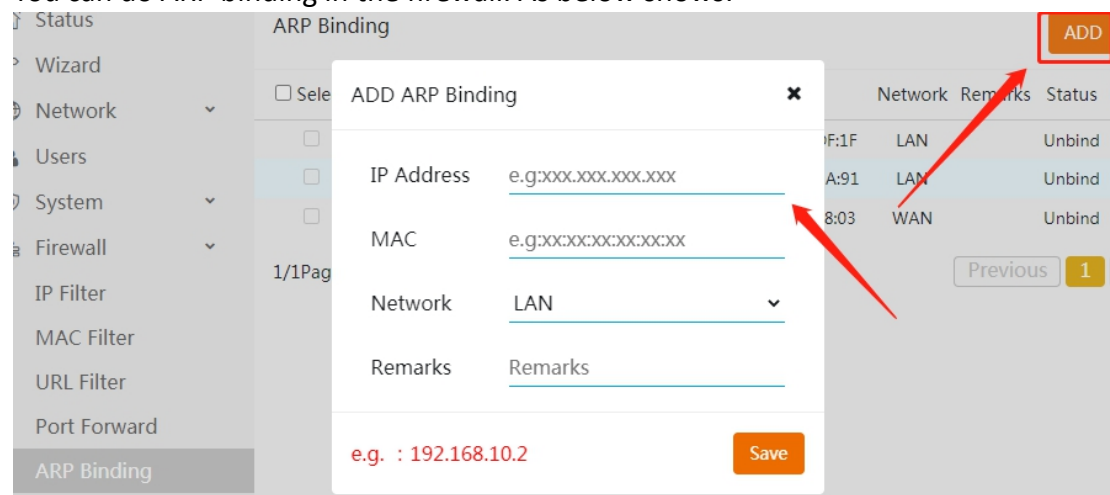
I. In AP mode, IP address of the terminal equipments are not assigned by AP, so the AP cannot show their IP address. All the IP management work are completed by your superior routing and you can check them on your superior router.

II. At the same time, this device can not count traffic statistics since the data does not pass through the device firewall in AP mode. The AP is like a WiFi extender, and the management work is done by the superior routing.

If you set repeater mode, then you can check the IP address and traffic statistics on this device.

7. In router mode, the terminal device needs to have a fixed IP:

You can do ARP binding in the firewall. As below shows:



8. Cannot enter the background system:

What's mode you use?

1. Enter "192.168.10.1" to enter the menu interface when using "repeater mode".
2. Enter "192.168.1.x" (depends on the IP you set earlier) to enter the menu interface when using "ap mode".

9. How to modify the network name:

You can change the WiFi name in "LAN-wireless"

About how to login the background system.

In "ap mode": enter "192.168.1.x" (depends on the IP you set earlier in "LAN settings-IP address" as photo shows) to enter the menu interface.

In "repeater mode": enter "192.168.10.1" to enter the menu interface.

10. The signal light is off, and the signal range is not long:

The wifi signal light only be on in "repeater / bridge mode".

1. About your signal strength issue, it should be setup problem. You can try to adjust the bandwidth to 20 and set the same channel.
2. Have you installed an antenna? The antenna will greatly enhance his signal usage range.
3. At the same time, can you move the AP to a more open position after setting it up? Because it is built for outdoor use, if it is used indoors, there will be some signal reduction due to obstruction and interference.
4. if you use "repeater mode", recommended set way: In a good wifi signal environment, extend "router's 5G band" and connect "AP's 2.4G band" with your devices which will maximize the extender's performance. Since 2.4G band has a better performance on through the obstacles and walls.

11. POE adapter flashes:

In this case, the high probability is that the inside of the product is burned out. Our products can only use the original 24v adapter. Please contact us for a new replacement.

12. How to fix "weak security" issue:

Please contact us via aftersale card. We will send you a config file. You can import it and then the TKIP encryption will be turned off. Your encryption way will be WPA2 AES which has better security.

