

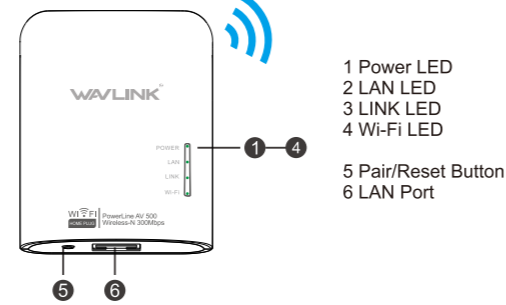


Wireless Powerline Extender Kits  
Model: NWP501WM-B (1xWi-Fi/Powerline + 1xPowerline)  
Model: NWP501M1-B (1xPowerline)

REV.E1

## Hardware Overview

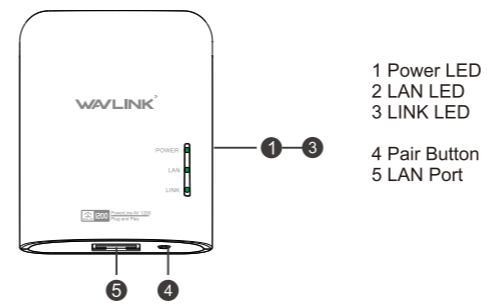
### WiFi+Powerline Extender



**Default Parameters**  
URL: <http://ap.setup> Default IP: **192.168.10.1**  
Login Password: **admin**  
Wi-Fi SSID: **WAVLINK-N** Wi-Fi Key: **no**

**Pair / Reset Button:**  
Press and hold for 1 second to start the Powerline pairing process.  
Press and hold for 6 second to Reset the Device.

### Powerline Extender

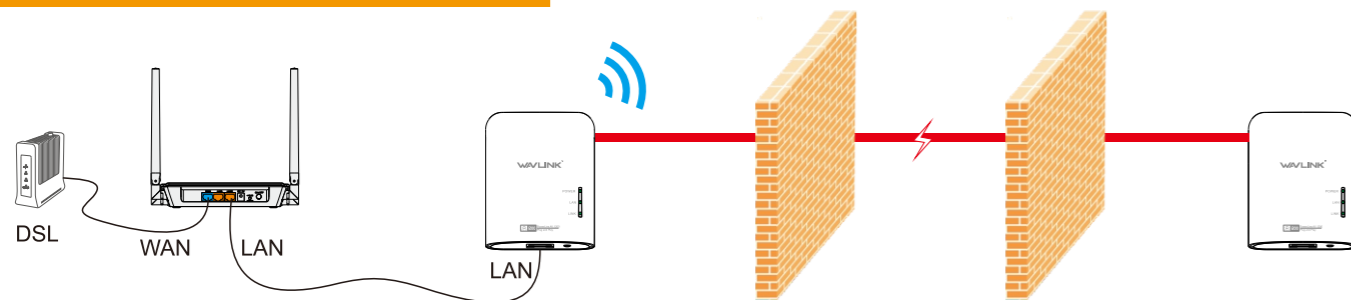


**Pair Button:**  
Press and hold for 1 second to start the Powerline pairing process.

### LED indicators

POWER	<b>ON/OFF</b> : The Device is ON or OFF <b>Fast Flashing</b> : Power line network Pairing is in process. <b>Slow Flashing</b> : The Device is Power Saving mode
LINK	<b>ON</b> : Connected to Power line network <b>OFF</b> : Not connected to the powerline network. <b>Flashing</b> : Transferring data.
LAN	<b>ON / OFF</b> : The Ethernet port is connected or disconnected. <b>Flashing</b> : Transferring data to/from a network device
Wi-Fi	<b>ON / OFF</b> : Wi-Fi ON or OFF

## Environment 1



**1** LAN port connect to your Router or Switch LAN port with an Ethernet cable.

**2** Plug the powerline devices into the wall sockets near each other and on the same electrical circuit. The Powerline network default is Plug and Play.

**3** Configure Wireless Settings

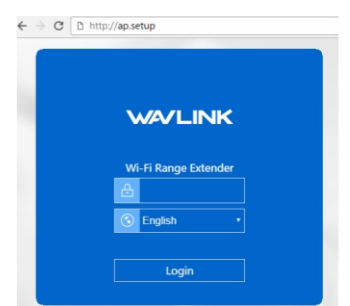
## 3 Configure Wireless Settings

The wireless settings can be configured through the web interface.

- 1 Plug in the **Wi-Fi+PLC Extender** into the wall sockets.
- 2 Disconnect the Ethernet (wired) connection to your computer.
- 3 Click the Wi-Fi icon on the taskbar and connect to the extender's network: **WAVLINK-N**



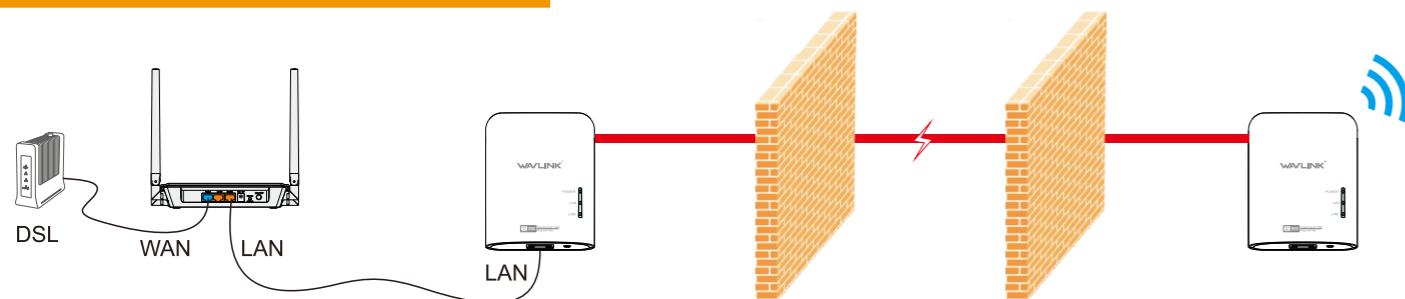
- 4 Launch a web browser and type <http://ap.setup> in the address field. Use **admin**(all lowercase) for Password to login



- 5 Go to **Wi-Fi --> Wi-Fi Basic** to set a new SSID and Wi-Fi Password



## Environment 2



**1** LAN port connect to your Router or Switch LAN port with an Ethernet cable.

**2** Plug the powerline devices into the wall sockets near each other and on the same electrical circuit. The Powerline network default is Plug and Play.

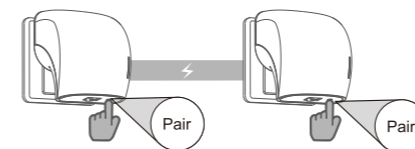
**3** Configure Wireless Settings

## Set Up a Secure Powerline Network Using the Pair Button (Recommended)

You can create or join a secure powerline network using the Pair button on two devices at a time.  
Tips: We recommend that you plug in the powerline devices near each other when pairing.

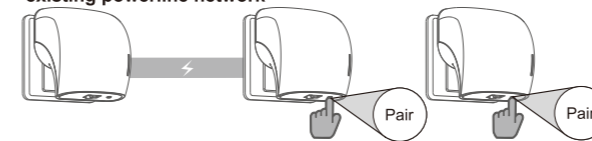
**To create a secure powerline network:**

- 1 Press the **Pair** button for 1 second
- 2 Within 2 minutes, press the **Pair** button for 1 second
- 3 Done

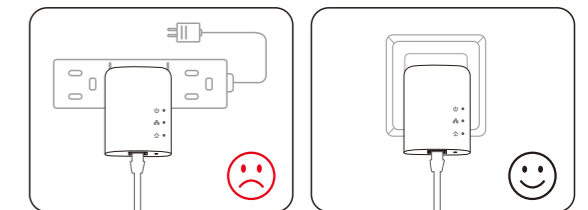


**To join an existing secure powerline network:**

- 1 Press the **Pair** button for 1 second on any powerline device in the existing powerline network
- 2 Within 2 minutes, press the **Pair** button for 1 second
- 3 Done



### Attention

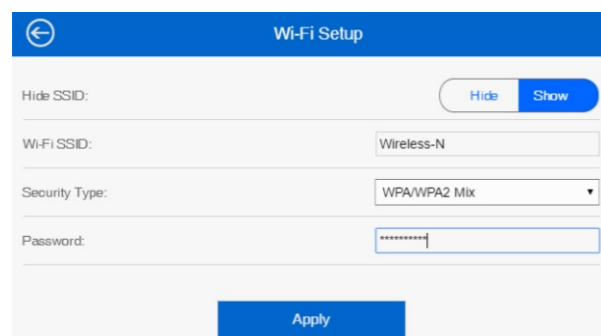


## Management via Web Browser

### Wireless Base Configuration

Please follow the following instructions: Click “**Wi-Fi ->Wi-Fi Setup**” located at the web management interface, the following message will be displayed on your web browser:

You could configure the basic setting of Wireless settings for communication, such as Network Name (**SSID**) and Channel. The Device can be set simply with only the minimum setting items.



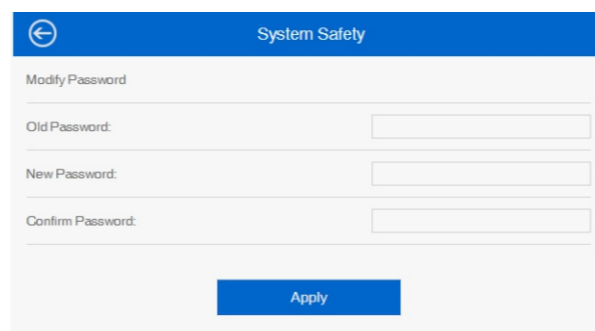
Wireless Status	Wireless On/Off
SSID	Wireless SSID of the Device
Security type	Setup the Wireless security and encryption to prevent from unauthorized access and monitoring. Supports WPA, WPA2, WPA/WPA2 encryption methods.
Security key	The "Password " of the Device.

Click '**Apply**'button, The Device will restart.

### Change Management password

Default password of the device is “**admin**”, and it's displayed on the login prompt when accessed from web browser. There's a security risk if you don't change the default password, since everyone can see it. This is very important when you have wireless function enabled.

To change password, please click “**Setup->System Safety**” menu on the web management interface, the following message will be displayed on your web browser:

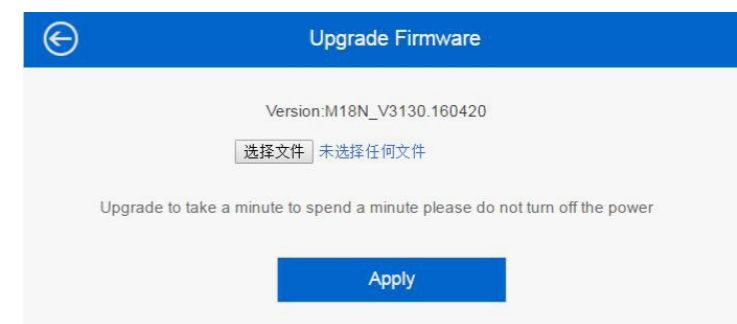


Click '**Apply**' button, The Device will log off.

### Firmware Upgrade

The system software used by this router is called '**firmware**', just like any applications on your computer, when you replace the old application with a new one, your computer will be equipped with new function. You can also use this firmware upgrade function to add new functions to your router, even fix the bugs of this router.

Please click '**Setup-> Upgrade Firmware**' located at the web management interface, and then the following message will be displayed on your web browser:



Click '**Browse...**' or '**Choose File**' button first; you'll be prompted to provide the filename of firmware upgrade file. Please download the latest firmware file from our website, and use it to upgrade your router.

After a firmware upgrade file is selected, click '**Apply**' button, and the device will start firmware upgrade procedure automatically. The procedure may take several minutes, please be patient.

**NOTE:** Never interrupt the upgrade procedure by closing the web browser or physically disconnect your computer from the device. If the firmware you uploaded is interrupt, the firmware upgrade will fail, and you may have to return the device to the dealer of purchase to ask for help.

Warranty voids if you interrupted the upgrade procedure.

## FAQ (Frequently Asked Questions)

### Q1. How do I reset my Wi-Fi extender ?

A.With the extender powered on, press and hold the Reset button until all LEDs go off. When the Power LED turns on and the Wi-Fi LED starts to blink rapidly, the reset process is complete.

### Q2. How to troubleshoot if there is no Internet connection in my powerline network?

A1.Make sure all adapters and extenders are on the same electrical circuit.

A2.Make sure the LINKLEDs light up on all your adapters and extenders. If they do not, pair your adapters and extenders again.

A3.Make sure all hardware connections are correctly and securely connected.

A4.Check if you have an Internet connection by connecting the computer directly to the modem or router.

A5.Make sure your computer's IP address is in the same segment as your router's.

### Q3. What can I do if a successfully-paired extender does not reconnect after it has been moved to a new location?

A1.Try another socket and make sure it is on the same electrical circuit.

A2.Try to pair it again with another adapter or extender, and make sure the LINK LEDs on before moving it to a new location.

A3.Check for possible interference, such as washers, air conditioners or other household appliances that may be too close to one of the powerline adapters or extenders.

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### WEEE Directive & Product Disposal



At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.