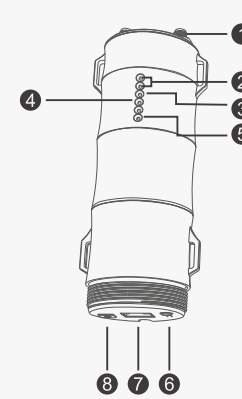# WAVLINK®

Quick Installation Guide

High Power Wi-Fi Outdoor AP/Repeater

Model: WL-WN570HA1 AC600
Model: WL-WN570HN2 N300

REV.E3

Hardware Overview

Primary Extender

1. RP-SMA Antenna Connectors
2. 3 x Wi-Fi Signal LEDs
3. Wi-Fi LED
4. WAN/LAN LED
5. POWER LED
6. Reset button
7. WAN/LAN Port (POE)
8. Grounding Terminal

Default Parameters
Web: http://wifi.wavlink.com
Default IP: 192.168.10.1
Login Password: admin

WL-WN570HA1
2.4G SSID: WAVLINK-N
5G/AC SSID: WAVLINK-AC
Wireless Key: no

WL-WN570HN2
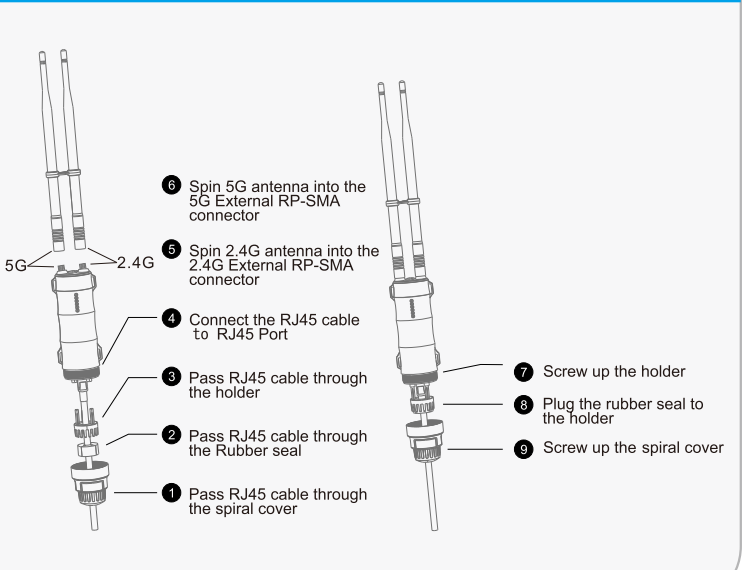2.4G SSID: WAVLINK-N
Wireless Key: no

LED indicators

POWER	ON: The Device is powered on OFF: The Device is not receiving electrical power.
LAN/WAN	ON: The Ethernet port is connected. OFF: The Ethernet port is disconnected. Flashing: Transfering data to/from a network device

Wi-Fi Signal

Mode				Description
AP/Router	ON	ON	ON	Wi-Fi Signal output power 100%
Repeater WISP	ON	ON	ON	Better reception: signal strength 75% to 100%
	ON	ON	OFF	Good reception: signal strength 50% to 75%
	ON	OFF	OFF	Weak reception: signal strength below 50%
	Flashing	OFF	OFF	Disconnected

Assembly

1. Spin 5G antenna into the 5G External RP-SMA connector
2. Spin 2.4G antenna into the 2.4G External RP-SMA connector
3. Connect the RJ45 cable to RJ45 Port
4. Pass RJ45 cable through the holder
5. Pass RJ45 cable through the Rubber seal
6. Pass RJ45 cable through the spiral cover
7. Screw up the holder
8. Plug the rubber seal to the holder
9. Screw up the spiral cover

5G   2.4G

OPTION ONE — LAN to Wi-Fi Extension Quick Setup

Recommend for big yard

Installation

A3. Connect one end of an Ethernet cable to "⚡POE" port of POE converter.

A4. Connect one end of an Ethernet cable to "LAN DATA IN" port of POE converter, and connect the other end to a "LAN" port of your Router.

A5. Plug in the power connector to the "DC24V" port of POE converter, then plug the power adapter into a electrical outlet.

A6. Push the "ON/OFF" button on the POE converter to power on.

ATTENTION:
1. Make sure to use a certified CAT5e/CAT6 Ethernet cable with RJ45 connectors.
2. Make sure the length of the Ethernet cable is less than 60 meters (196 ft.).

Support passive POE power supply via Ethernet cable.

A6 A5
A3 A4
POE Converter

A1. Fasten the main body holder
A2. Plug in the Device

A7. Connect to the Device

For Windows User

1. Unplug the Ethernet cable from your computer (if any).
2. Click the Wireless Network Connection icon on your taskbar.
3. Click the refresh icon and connect to the Device's network: **WAVLINK-N** or **WAVLINK-AC**.

Not connected — Connections are available
Wireless Network Connection
WAVLINK-N
WAVLINK-AC
Connect automatically — Connect

For Mac OS X User

Wi-Fi On
Turn Wi-Fi Off
WAVLINK-N
WAVLINK-AC
Join Other Network...
Create Network...
Open Network Preferences...

1. Unplug the Ethernet cable from your computer (if any).
2. Click the Wi-Fi icon in the top right corner of the screen, and connect to the Device's network: **WAVLINK-N** or **WAVLINK-AC**.

Configuration

A8. Launch a web browser and type http://wifi.wavlink.com in the address field. Enter admin (all lowercase) to login.

If the login window does not pop up, please refer to the FAQ>Q1.

A9. Click "**Wizard**".
A10. Click "**AP**(**LAN Bridge**)".

For Signal Band (2.4G) User

A11. Choose a **Security Type**.
A12. Enter your password for your extended network.

For Dual Band (2.4G+5G) User

A11. Choose a **Security Type**.
A12. Enter your password for your extended network.

Note:
Some router might not compatible with WL-WN570HA1. If it doesn't work, please:
a. Click the icon at **Static IP** column to **ON**.
b. Enter the info correspondingly.
c. Try again.

Change Login Password

NOTE: The default login password of the Device is "**admin**", We strongly recommend you change the default login password.

1. Launch a web browser and type http://wifi.wavlink.com in the address field. Enter admin(all lowercase) to login.

If the login window does not pop up, please refer to the FAQ>Q1.

2. Click "**Setup-> Login Password**".

3. Enter the old password, then enter the new password and click "**Apply**".
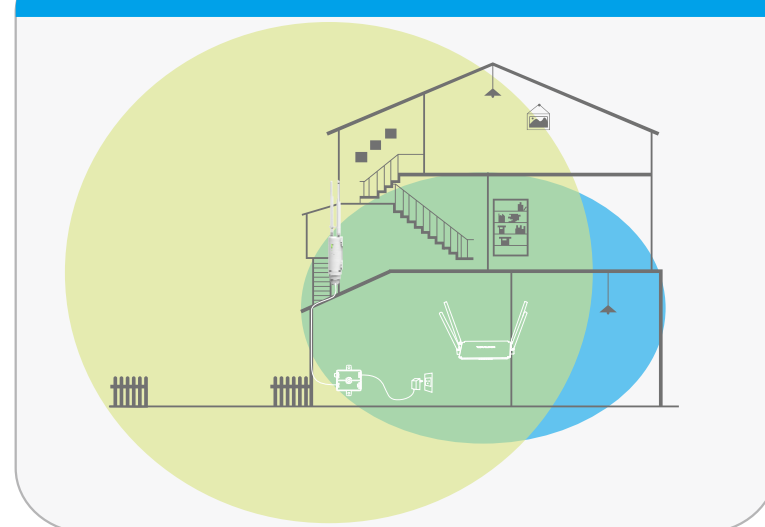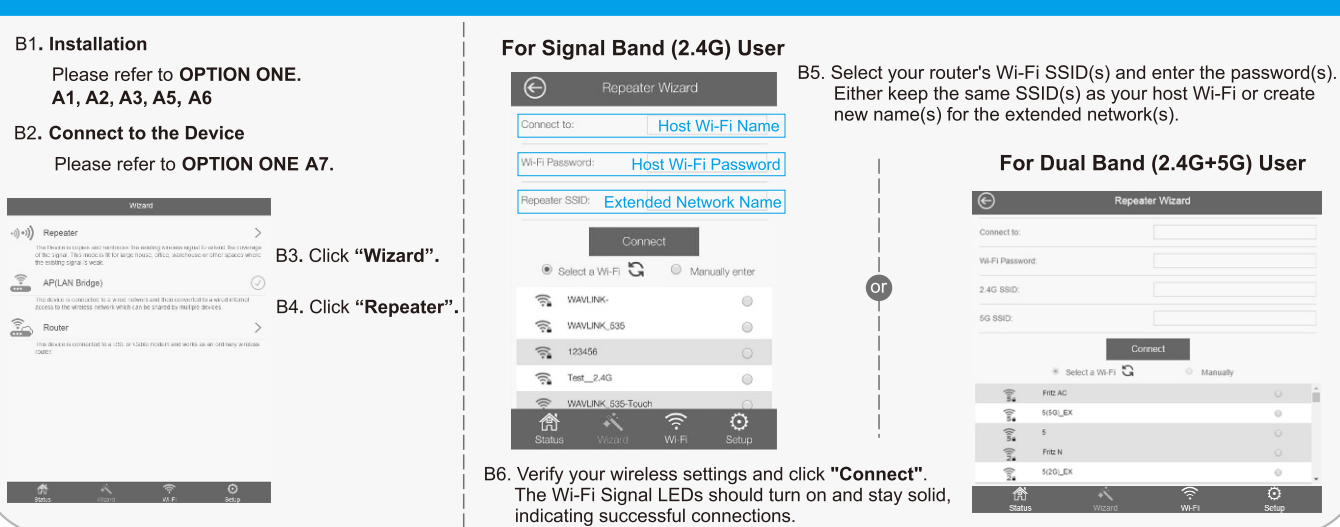
Old Password:
New Password:
Confirm Password:

105铜板彩色,折叠
成品尺寸:105x99mm,展开尺寸:420x297mm

OPTION TWO — Wi-Fi to Wi-Fi Extension Quick Setup

Recommend for midsize yard

Configuration

B1. Installation
Please refer to **OPTION ONE**.
A1, A2, A3, A5, A6

B2. Connect to the Device
Please refer to **OPTION ONE A7**.

B3. Click "**Wizard**".

B4. Click "**Repeater**".

For Signal Band (2.4G) User

Connect to — Host Wi-Fi Name
Wi-Fi Password — Host Wi-Fi Password
Repeater SSID — Extended Network Name

B5. Select your router's Wi-Fi SSID(s) and enter the password(s). Either keep the same SSID(s) as your host Wi-Fi or create new name(s) for the extended network(s).

For Dual Band (2.4G+5G) User

B6. Verify your wireless settings and click "**Connect**". The Wi-Fi Signal LEDs should turn on and stay solid, indicating successful connections.

B7. Relocate

1. Plug the Device into an electrical outlet between your router (Host Wi-Fi) and the Wi-Fi dead zone. The location you choose must be within the range of your existing host Wi-Fi.
2. Wait until the Wi-Fi Signal LEDs are ON. If the signal is weak, relocate the Device closer to your router for better Wi-Fi signal.

Host Network → Extended Network

Ideal Location
Too Far Away
Flashing

Tips:
Use your phone to find the ideal location for the Device. If your phone's Wi-Fi signal (received from your router) is higher than 3 levels, it is the ideal spot to install the Device. If not, we recommend you move it closer to your router for better Wi-Fi signal.

Change Login Password

NOTE: The default login password of the Device is "**admin**", We strongly recommend you change the default login password.

1. Launch a web browser and type http://wifi.wavlink.com in the address field. Enter admin(all lowercase) to login.

If the login window does not pop up, please refer to the FAQ>Q1.

2. Click "**Setup-> Login Password**".

3. Enter the old password, then enter the new password and click "**Apply**".

Old Password:
New Password:
Confirm Password:

The Best Location

Wi-Fi to Wi-Fi Extension

Please install the device as followings:

Picture with "✓": Recommended — ✓ Wi-Fi Signal 2 x LEDs or 3 x LEDs are ON

Picture with ✗: Not Recommended — ✗ Wi-Fi Signal 1 x LED is ON or Flashing, which could cause network disconnection or slow internet.

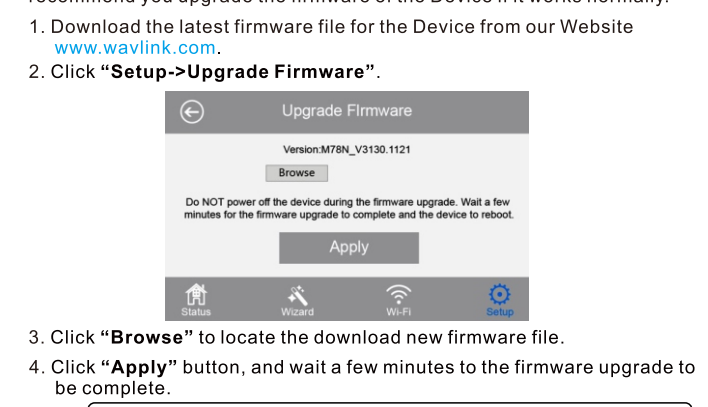## Firmware Upgrade

Firmware upgrade can fix bugs of the Device. However, We **DO NOT** recommend you upgrade the firmware of the Device if it works normally.

1. Download the latest firmware file for the Device from our Website www.wavlink.com.
2. Click "**Setup->Upgrade Firmware**".

3. Click "**Browse**" to locate the download new firmware file.
4. Click "**Apply**" button, and wait a few minutes to the firmware upgrade to be complete.

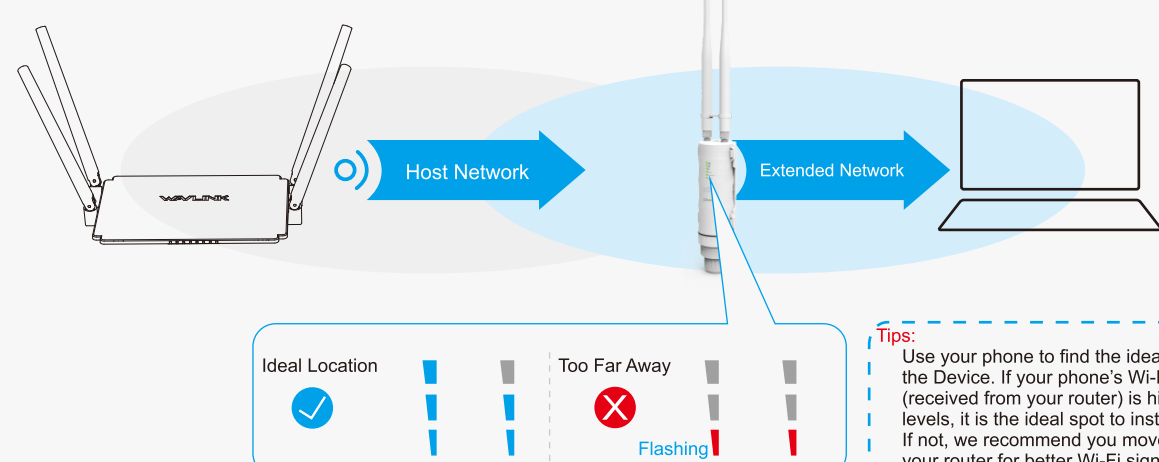*Warranty voids if you interrupted the upgrade procedure.*

NOTE: Never interrupt the upgrade procedure by closing the web browser or physically disconnect your computer from the Device. If the procedure is interrupt, the firmware upgrade will fail, and you may have to return the Device to the dealer to ask for help.
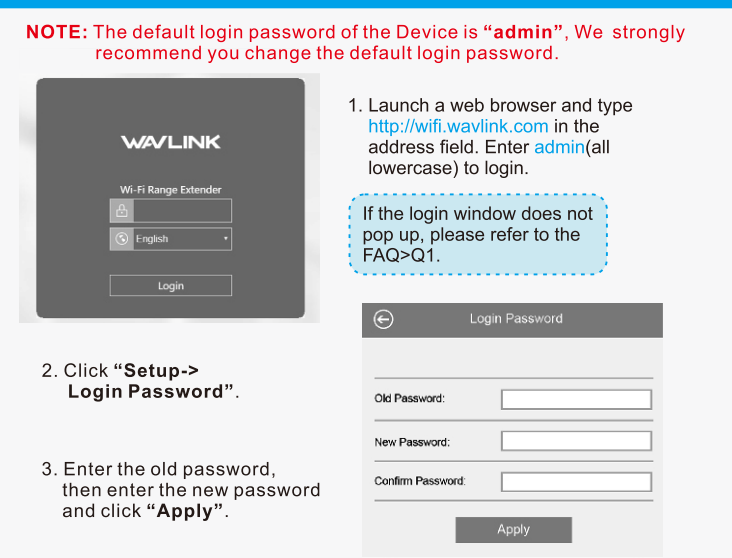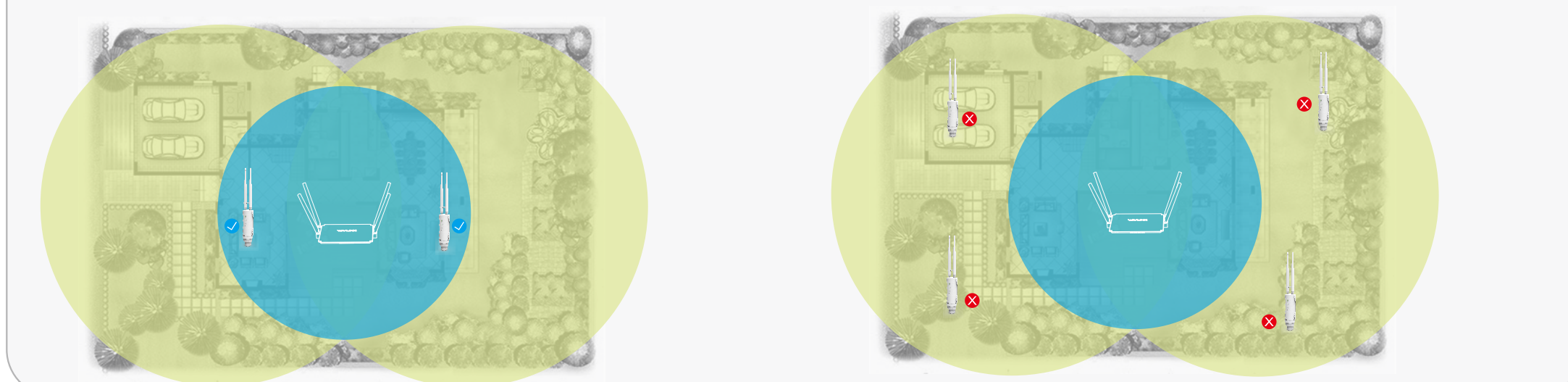
FAQ (Frequently Asked Questions)

Q1. Why doesn't the login page appear after entering http://wifi.wavlink.com ?

- If your computer is wirelessly connected, please verify that you have connected to the device's SSID. If your computer is connected via an Ethernet cable, please verify that the connection is stable.
- Make sure your computer is set to obtain an IP address automatically.
- Use the IP address to log in to the page. The default IP is 192.168.10.1. If the Device is connected to the host Wi-Fi, please go to the router's DHCP client list to obtain the Device's current IP address.
- Please reset the device and try again. If the problem still exists

Q2. How do I restore the device to its factory default settings?

- While the Device is powered on, press and hold the Reset button until all the LEDs turn on momentarily.

Q3. What should I do if the LED does not change to solid after completing ?

- You may have entered the incorrect Wi-Fi password of your host Wi-Fi during the configuration. please log into the Device's web-based interface to check the password and try again.
- Reset the device and go through the configuration again.

Q4. I have enabled a wireless MAC filter, wireless access control, or access control list (ACL) on my Router. What should I do before configuring and using the Device ?

- If you have enabled those functions of your Router, you may need to disable them first. And then follow Method ONE or Method TWO to complete the configuration.

For more details, please refer to www.wavlink.com.

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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.