WAVLINK
see the world

# QUICK START GUIDE

## High Power Wireless Repeater

www.wavlink.com/en_us/WING-12M

**Scan the QR code or load the link for Quick Start Guide downloading**

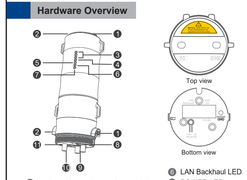
**WN572HP3**

WAVLINK (@WavlinkOfficial)
WAVLINK SUPPORT (@WavlinkTechSupport)

## Feature

- Dual band with maximum speed up to 5G 867Mbps and 2.4G 300Mbps.
- Weatherproof and build in lightning arrester withstand harsh outdoor conditions.
- Four omnidirectional antennas eliminate Wi-Fi dead zones.
- High power amplifier for stronger signal transmission.
- Gigabit port provides faster connection.
- Passive PoE support for flexible deployment.
- Support AP/Router/Repeater/EasyMesh agent mode.
- MU-MIMO function lets the router talk to several devices simultaneously over the same Wi-Fi band.

## Hardware Overview




1. 2.4G RP-SMA Antenna Connectors
2. 5G RP-SMA Antenna Connectors
3. 3 x Wi-Fi Signal LEDs
4. Status LED
5. WAN/LAN LED
6. LAN Backhaul LED
7. POWER LED
8. Reset/PAIR Button
9. LAN Backhaul Port
10. WAN/PoE IN/LAN Port
11. Grounding Terminal



## Default Parameters

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

2.4G SSID: WAVLINK-N_XXXX
5G/AC SSID: WAVLINK-AC_XXXX
Wireless Password: open

## LED Indicators

| | | |
|---|---|---|
| Power | On | The device is powered on. |
| | Off | The device is not receiving electrical power. |
| LAN/Backhaul | On | The Ethernet port is connected. |
| | Off | The Ethernet port is disconnected. |
| WAN/LAN | On | The Ethernet port is connected. |
| | Off | The Ethernet port is disconnected. |
| Status | Fast flash | Another router has not been connected when the device is the repeater mode. |
| | Slow flash | The another router has been connected but the device has no access to the network in the repeater mode. |
| | On | The device keeps on in the AP mode; The device can access the network normally. |

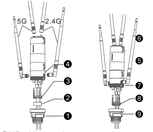
## Wi-Fi Signal

| Mode | | | | Description |
|---|---|---|---|---|
| AP | ON | ON | ON | Wi-Fi signal output power 100%. |
| Repeater | ON | ON | ON | Better reception: signal 81%~100%. |
| | ON | ON | OFF | Good reception: signal 60%~80%. |
| | ON | OFF | OFF | Weak reception: signal below 0~59%. |



## Installation

1. Please follow the installation steps when assembling the device.



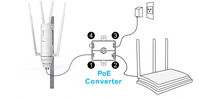

1. Pass RJ45 cable through the spiral cover
2. Pass RJ45 cable through the rubber seal
3. Pass RJ45 cable through the holder
4. Connect the RJ45 cable to PoE IN/WAN port.
5. Spin 2.4G antenna into the 2.4G external RP-SMA connector
6. Spin 5G antenna into the 5G external RP-SMA connector
7. Screw the holder
8. Plug the rubber seal to the holder
9. Screw the spiral cover

**2. Install the device.**

2.1 Firstly fasten the device to somewhere firm, then install the device in the holder.

**Remark**
If you happen to live in the zone where lightning happens a lot, we suggest that you install the device through grounding connection in order to strengthen the lightning-resistant function.

2.2 Now please follow the steps below.




1) Connect the **"PoE"** port of PoE converter to the PoE IN(WAN) port of the device.
2) Connect **"LAN DATA IN"** to **"LAN"** of your router.
3) Plug in the device through the power adapter.
4) Push the **"ON/OFF"** button to turn on or off the device.

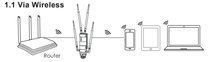
**Attention**
1) Ensure that you use a certified CAT5e/CAT6 Ethernet cable with RJ45 connectors
2) Make sure the length of the Ethernet cable from PoE to the device is less than 60 meters (196 ft).



## Configuration

1. Connection

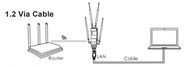
**1.1 Via Wireless**




Turn on your Wi-Fi, search SSID of this product on your wireless devices (smart phone, tablet computer, laptop, etc.) and connect to it.

**For Windows users** **For Mac users**

**1.2 Via Cable**




Connect Ethernet cable to your PC/laptop and device's LAN Backhaul port, then you can start configuring the device.



2. Technically speaking, the product web UI will guide you to the login page once you have connected to the device successfully in your first time, but if it doesn't, please manually input 192.168.10.1 or wifi.wavlink.com in the address bar of your browser on PC/laptop or phone, the default password is admin.

3. Select your **Country/Region** and **Time Zone.** For your network security, we suggest that you set a new login password.

Note: The three colored bars in **"Change Password"** area indicates the strength of the login password.

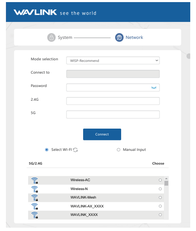


**4. Mode Selection**

This product has four modes.

**4.1 Repeater Mode**

For Repeater mode, we recommend you choose **"WISP"**, you can manually enter the WiFi SSID you need to connect or select the WiFi SSID in the list, and the Password needs to be the same as the WiFi password that this product has connected, then click on **"Connect"**.



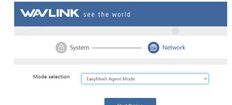



**4.2 EasyMesh Agent Mode**

If you have a router that supports Easymesh function, then you can build a mesh system with this mode.

Please configure according to the following steps:

1. Log in to 192.168.10.1 or wifi.wavlink.com.
2. In **Mode Selection**, please choose **"EasyMesh Agent Mode"**.
3. Click on the **"Start Pairing"** button.




4. Now please start pairing process on the Easymesh controller, if you are not sure how to start, please ask manufacturer for help.



**4.3 LAN Bridge (AP mode)**

Please connect the LAN DATA IN port of the POE converter or the LAN Backhaul port of the device to the upper router. Then you can change the **SSID** or use the default one, as for the **Encryption Mode**, the default is **WPA2-PSK**, we recommend you to select **WPA3/WPA2-MIX** if your devices support. For your network security, please create a new password according to the rule. Then click on "**Save**" and wait for the setting process to complete.

The **Self Management** is open in default, you can manage this device (web UI) through the assigned IP or domain name.

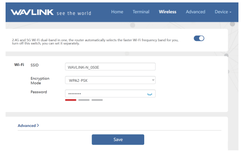
**4.4 Router Mode**

Before configuring, please make sure your upper router has connected to the LAN DATA IN port of the PoE converter. If you choose the Router Mode, the system will guide you to select the **WAN Type**. As for the **Encryption Mode**, the default is **WPA2-PSK**, we recommend you to select **WPA3/WPA2-MIX** if your devices support. For you network security, we suggest you create a **Password**.

Which WAN Type am I supposed to choose?
If you use DSL line and you are only provided an account name and a password by your ISP, choose **PPPoE**. If you use cable TV or fiber cable, choose **DHCP(Dynamic IP)**. If you are provided information such as IP address, Subnet Mask and Default Gateway, choose **Static IP.**

## Wi-Fi Password Management

When you need to change your Wi-Fi password, please click on "**Wireless**".



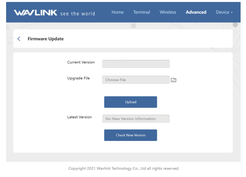



## Firmware Upgrade

If you need to update firmware, please proceed as the following steps:

**Option I**

1. Download the latest firmware file from Wavlink website.
2. Extract the firmware from the downloaded file.
3. Log in to wifi.wavlink.com or 192.168.10.1, then choose **"Advanced"** and select **"Firmware Update"**.




4. Click on to locate the firmware file.
5. Click on "**Upload**" and choose "**Apply**", and wait for the firmware upgrade process to complete.



**Option II**

1.Log in to 192.168.10.1 or wifi.wavlink.com, then choose **"Advanced"** and select **"Firmware Update"**.
2.Click on **"Check New Version"** to find the latest version.
3.Click on**"Download and Upgrade"**, and wait for the firmware upgrade process to complete.

Note: After updating firmware, please Reset The Device And Clear Your Browser Cache.

**What is firmware upgrade and why do I need it?**
Firmware contains fixed for bugs and new features, please keep the latest firmware to improve the experience of using the product. Please do not use the wrong firmware, otherwise, it will damage your device and void the product warranty.

For more details, please visit our website www.wavlink.com
Our Technical Support: support@wavlink.com



## FAQ

**Q1. What can I do if I can not access the Internet?**
- Make sure your Internet works normally, please contact your ISP(Internet Service Provider) if it doesn't.
- Initiate your browser, enter 192.168.10.1 or wifi.wavlink.com, then set up the following quick start guide.
- Reboot your device and try it again.

**Q2. Why can't I visit the web UI by inputting the IP address 192.168.10.1 or wifi.wavlink.com?**
- If you can't log in to the IP address or URL in AP Mode, please check the IP address arranged by the upstream router, then try to restart the process.
- Make sure you have connected to the WiFi of the Wavlink device.
- Please try to clean the cache of the browser.
- Try to log in the management page via another browser.
- Try to log in the management page via other devices.

**Q3. What can I do if I forget my administration management password?**
- Please refer to Q3 to reset the device, the default password is admin.

**Q4. How do I find the best location for mesh devices?**
- Please put your mesh devices in a relatively open space to avoid obstacles such as metal objects, reinforced concrete walls and so on.

Please visit https://www.wavlink.com/en_us/faq.html for more details.



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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.



## Warning

**FCC Warning**

This device complies with part 15 of the FCC Rules. 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.
Note: 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.

Note:The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment.
The device has been evaluated to meet general RF exposure requirement.
To maintain compliance with FCC RF exposure guidelines, the distance must be at least 20 cm between the radiator and your body, and fully supported by the operating and installation configurations of the transmitter and its antenna(s).



**IC Warning**

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:
(1). This device may not cause interference.
(2). This device must accept any interference, including interference that may cause undesired operation of the device.
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:
(1). l'appareil ne doit pas produire de brouillage.
(2). l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device has been evaluated to meet general RF exposure requirement. To maintain compliance with RSS-102 — Radio Frequency (RF) Exposure guidelines, this equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.
le dispositif de a été évalué à répondre général rf exposition exigence pour maintenir la conformité avec les directives d'exposition du RSS-102-Radio Fréquence (RF). ce matériel doit être installé et exploité à une distance minimale de 20 cm entre le radiateur et votre corps.

5G frequency band 5150-5250MHz indoor use only.