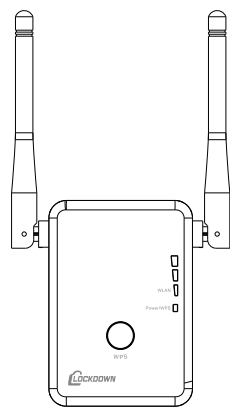
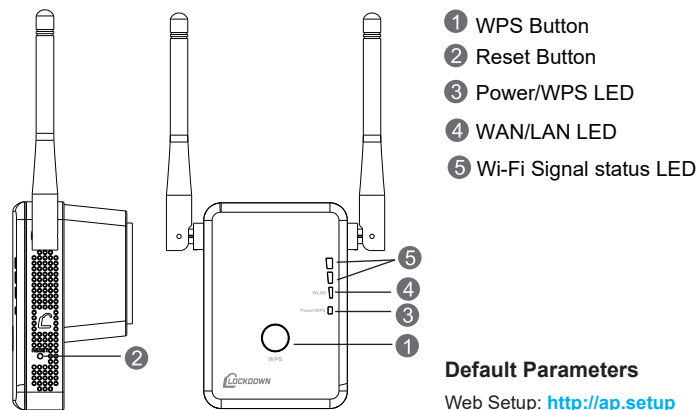


Wi-Fi Range Extender

Quick Installation Guide



Hardware Overview



Default Parameters
Web Setup: <http://ap.setup>
Default IP: **192.168.10.1**
Password: **admin**
2.4G SSID: **LOCKDOWN_EXT**

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: Transferring data to/from a network device
WPS	Slow Flashing: The Device is trying to connect to your PC or Phone Fast Flashing: The Device is connecting to your AP/Router

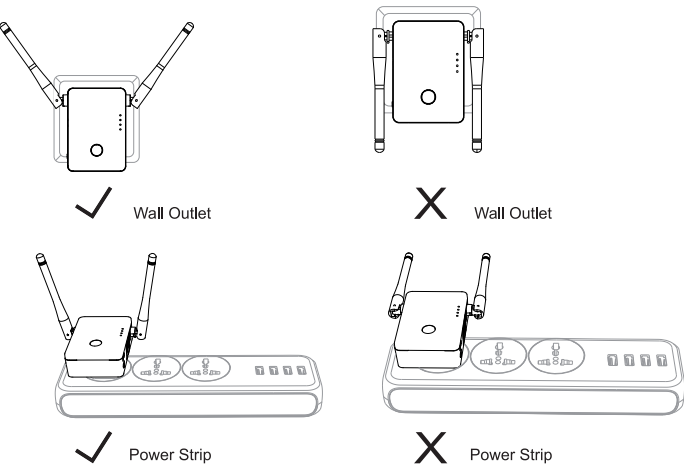
Wi-Fi Signal

Mode	Wi-Fi Signal Status LED			Description
Repeater	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

WPS Button:
Press and hold for **2** seconds, the Device is trying to connect to your PC or Phone .
Press and hold for **6** seconds to connect to your Wi-Fi Repeater Mode.
Reset Button: Press and hold for **3** seconds to **Reset** the Device.

Getting Started

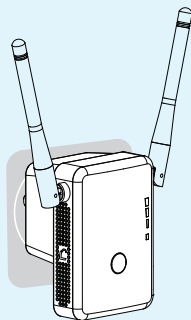
※Please do not install the Device in where it is heavily surrounded by things.
Please install the device as follows:
- Pictures with "✓" : Recommended
- Pictures with "X" : Not Recommended



OPTION ONE Wi-Fi Repeater Mode Using a Web Browser

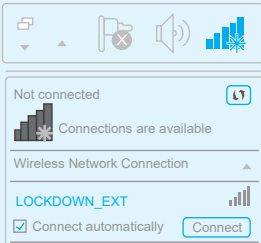
1 Power ON

Plug the Device into an electrical outlet near your Wi-Fi router.



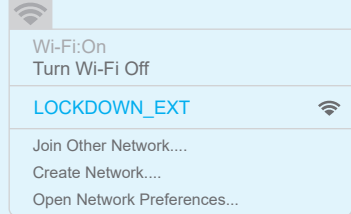
2 Connect to the Device

For Windows User



1. Disconnect the Ethernet (Wired) connection from your laptop (if any).
2. Turn your laptop's Wi-Fi ON if it is OFF.
3. Click the Wi-Fi icon on the taskbar and connect to the Device's network: **LOCKDOWN_EXT**

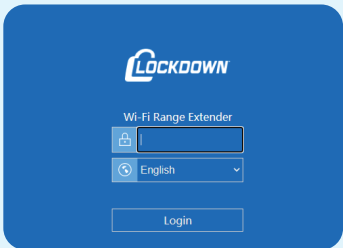
For Mac OS X User



1. Disconnect the Ethernet (Wired) connection from your laptop (if any).
2. Turn your laptop's Wi-Fi ON if it is OFF.
3. Click the Wi-Fi icon on the top right corner of the screen, and connect to the Device's network: **LOCKDOWN_EXT**

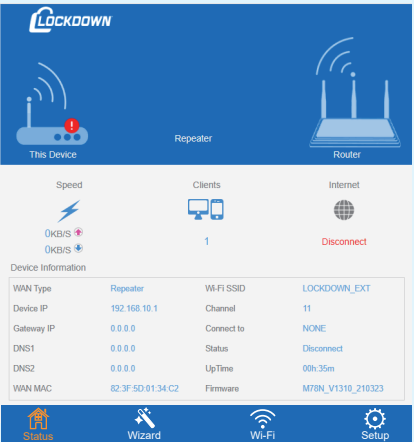
3 Configure

1. Launch a web browser and type <http://ap.setup> in the address field. Enter **admin** (all lowercase) to login.

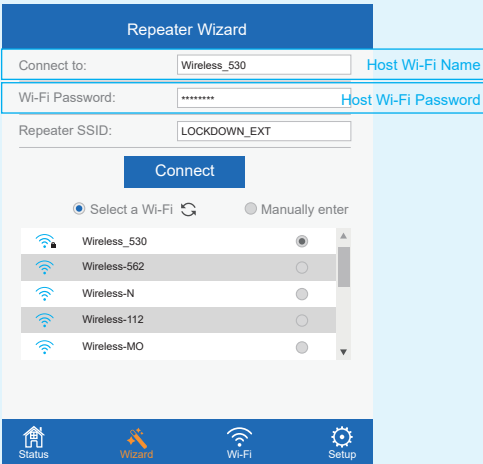


If the login window does not pop up, please refer to the FAQ > Q1.

2. Click **"Wizard"**.

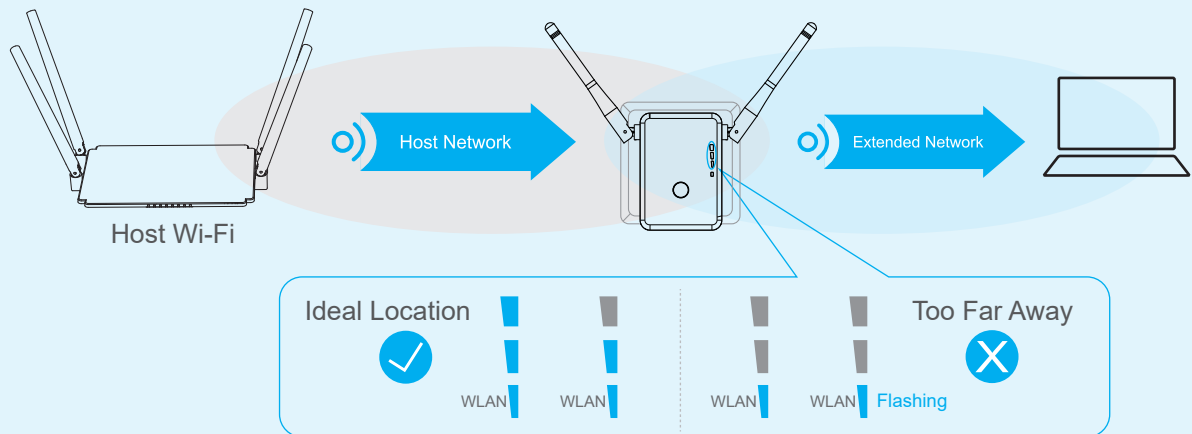


3. Select a Wi-Fi SSID of your router (Host Wi-Fi) and enter the password. Either keep the same SSID as your host Wi-Fi or create a new name for the extended network.



4 Relocate

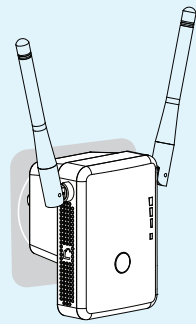
1. Plug the Device into an electrical outlet about halfway between your router(Host Wi-Fi) and the Wi-Fi dead zone. The location you choose must be within the range of your existing host Wi-Fi.
2. Wait until the WLAN LEDs are ON. If the signal is weak, relocate it closer to the router to achieve a good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



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 suggest you to move closer to your router for better Wi-Fi signal.

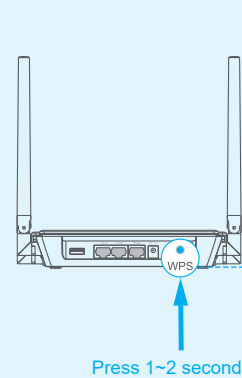
OPTION TWO Wi-Fi Repeater Mode Using WPS (Wi-Fi Protected Setup)

1 Power ON



Plug the Device into an electrical outlet near your Wi-Fi router.

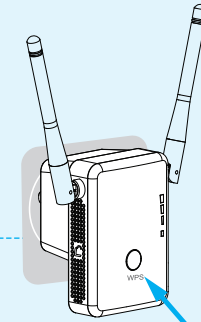
2 Connect



1. Press the WPS button for 6 seconds on the Device.
2. Within two minutes, press the WPS button on your router.
3. The Device will reboot, please wait a few minutes.



Press



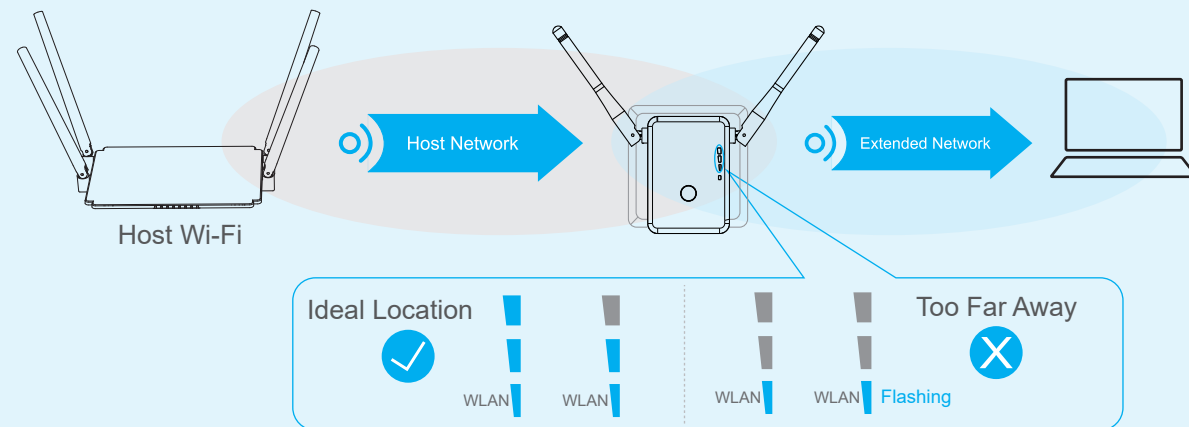
Press 6 seconds

Tips: The corresponding WLAN LEDs should turn on and stay solid, indicating successful connections.

Note:

1. Some ISP gateways disable the WPS function by default. If the WPS connection fails, please use **OPTION ONE**.
2. For more information about using WPS on your router, please refer to the router manufacturer's user guide.

3 Relocate



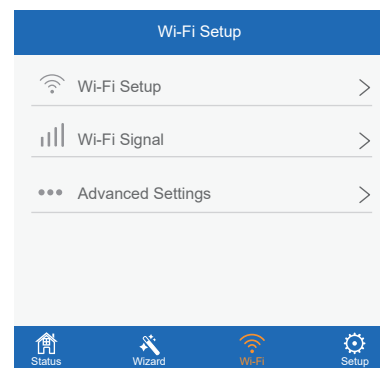
Tips: Use your phone to find the ideal location for the Device. If your phone's Wi-Fi signal (received from your router) is higher than 3 levels, it is the ideal spot to install the Device. If not, we suggest you to move closer to your router for better Wi-Fi signal.

1. Plug the Device into an electrical outlet about halfway 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 WLAN LEDs are ON. If the signal is weak, relocate it closer to the router to achieve a good (or better) signal quality.

Management via Web Browser

Wireless Basic Configuration

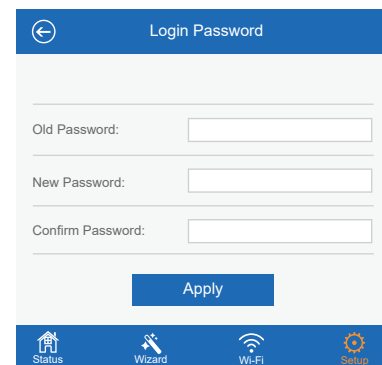
1. Click **"Wi-Fi"**.
2. You can customize wireless network for the Device.



Change Login Password

The default password of the device is **"admin"**, we strongly recommend you change the default password of the device.

1. Visit <http://ap.setup>, and log in with the default password **"admin"**.
2. Click **"Setup->Login Password"**.
3. Enter the old password. Then enter the new password and click **"Apply"**.

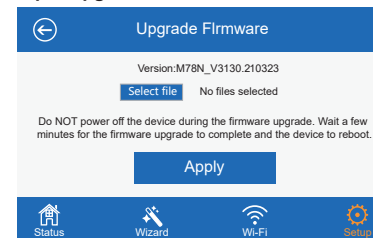


4. Use the new password for future login attempts.

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. Click **"Setup-> Upgrade Firmware"**.



2. Click **"Browse"** to locate the downloaded new firmware file.
3. Click **"Apply"** button, and wait a few minutes for the firmware upgrade to 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.

GNU General Public License Notice

This product includes software codes developed by third parties. These software codes are subject to either the GNU General Public License (GPL), Version 2, June 1991 or the GNU Lesser General Public License (LGPL), Version 2.1, February 1999. You can copy, distribute, and/or modify in accordance with the terms and conditions of GPL or LGPL.

The source code should be complete, if you want us to provide any additional source code files under GNU General Public License (GPL), please contact us in these matters. We are committed to meeting the requirements of the GNU General Public License (GPL). You are welcome to contact us local office to get the corresponding software and licenses. Please inform us your contact details (full address) and the product code. We will send you a software package with the software and license for free.

The respective programs are distributed WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

Please refer to the GNU General Public License Web site for further information.

<http://www.gnu.org/licenses/old-licenses/lgpl-2.0.html>

<http://www.gnu.org/licenses/gpl.html>

FAQ (Frequently Asked Questions)

Q1. Why doesn't the login page appear after entering <http://ap.setup>?

- Make sure your computer is connected to the Extended network SSID or connect your computer to the Device using an Ethernet cable.
- Make sure your computer is set to obtain an IP address automatically.
- Verify that <http://ap.setup> is correctly entered in the web browser and press **Enter**.

Q2. What should I do if the LED does not change to solid after completing OPTION ONE?

- 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.
- Please reset the Device and go through the configuration again.

Q3. 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.

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.

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's 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).