

# Wi-Fi Range Extender User Manual

## Quick Installation Guide(Q.I.G)



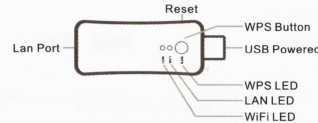
## Product Overview

This Wi-Fi Range Extender gives your existing Wi-Fi network a boost to accommodate more devices. With this wireless range extender, you'll be able to enhance your existing Wi-Fi network with N300 wireless speeds. By expanding wireless coverage, you can connect more mobile devices inside and outside your home, giving you more options to go online using a TV laptop, tablet, smartphone or similar compatible device.

### Main Features

- ◆ Complies with IEEE 802.11B/G/N standards.
- ◆ Supports TV, Repeater and AP mode.
- ◆ Wireless-N speed up to 300Mbps
- ◆ Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions.
- ◆ With powered USB (5V/2A).

### Appearance



### LED Explanation

WiFi LED	Wireless signal
LAN LED	<b>ON:</b> The LAN port is connect <b>OFF:</b> The LAN port is disconnected <b>Flashing:</b> Transferring data to/from a network device
WPS LED	<b>Flashing:</b> WPS connection is established or WPS signal of another device is expected

- 1 -

## Button Explanation

**WPS Button:** If your Wireless Router or Wireless Adapter supports WPS function, you can press the WPS button and then press the WPS button to establish a secure connection between the Wireless Router and the Wi-Fi Range Extender or Wireless Adapter and the Wi-Fi Range Extender.

**Reset Button:** This button is used to restore the WiFi Extender's factory default settings.

There are two ways to reset the WiFi Extender:

**Option One:** With the WiFi Extender powered on, use a pin press the Reset Button until the WPS LED turn on momentarily, then release the button and wait the WiFi Extender to reboot to its factory default settings.

**Option Two:** Restore the default setting from "Management-Save/Reload settings-Load default" of the Extender's Web-based Management page.

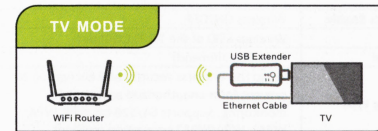
## Package Contents

- 1xWi-Fi Range Extender
- 1xRJ-45 Network Cable
- 1xQuick Installation Guide

## Quick Setup

USB flexible power suppl, can be plugged into the charger, computer and even mobile power and TV.

### 1. TV Mode



#### 1.1 Power On

Plug the Wi-Fi Range Extender into the USB Port of TV, and wait until the WiFi LED is flash.

- 2 -

## 1.2 Connect to the Extender

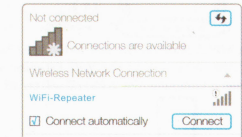
### ● Connecting via Ethernet Cable

- 1) Disable the Wi-Fi on your computer.
- 2) Connect the extender to your computer via an Ethernet cable.



### ● Connecting via Wireless

Connect your PC, Table or Phone to the Wi-Fi Range Extender's network (WiFi-Repeater).



### TIP

You can also connect the Wi-Fi Range Extender by using WPS. For more information, see "Using WPS" on page 7.

### 1.3 Setting

1.3.1 Launch a web browser and type <http://192.168.10.1> into the URL field.



### Note:

Please don't plug in the Ethernet Cable before the configuration is complete, or you are unable to open the log in page via the default IP address.

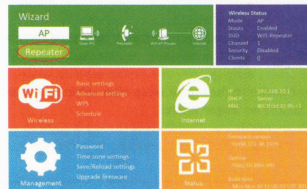
Plug check whether the Wi-Fi Range Extender accord with factory default setting once you can't entered <http://192.168.10.1>. If you are still not sure what reasons, you can reset the Wi-Fi Range Extender, then try again.

- 3 -

1.3.2 Use admin (all lowercase) for both Username and Password to log in.

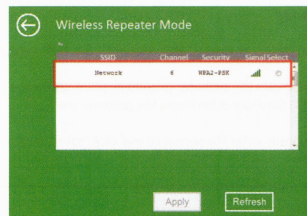


1.3.3 After logging in, you will see the web page below:



Click on "Repeater" to continue.

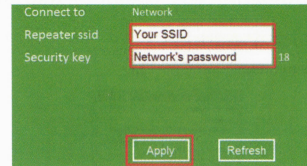
1.3.4 Select your Wireless SSID to continue.



1.3.5 When you see below, please insert Extender SSID and the key of your network.

- 4 -

Note: The Security Key is the same as your Wireless Router



Repeater SSID	SSID of your wireless router
Security Key	The "password" of your wireless router

Click on "Apply" button, The Wi-Fi Range Extender will restart.

After the reboot has been completed, the Wi-Fi Range Extender is accessible under the SSID and the Wireless key.

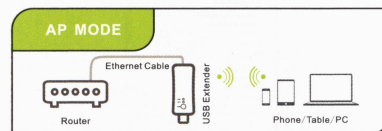
### TIP

You can also connection between the Wireless Router and the Wi-Fi Range Extender by using WPS. For more information, see "Using WPS" on page 10.

### 1.4 Connect the extender to your TV

Connect the extender to your TV via an Ethernet cable.

## 2. Wireless AP Mode



#### 2.1 Power On

Plug the Wi-Fi Range Extender into an USB Port of charger, computer or mobile power, and wait until the WiFi LED is flash.

- 5 -

## 2.2 Connect to the Extender

Follow process 1.2(page 4).

### 2.3 Setting

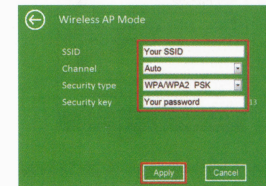
2.3.1 Follow process 1.3.1~1.3.2(page 4,5).

2.3.2 After logging in, you will see the web page below:



Click on "AP" to continue.

2.3.3 The following message will be displayed on your web browser:



SSID	SSID of the WiFi Extender
Channel	Auto (recommend)
Security type	Setup the wireless security and encryption to prevent from unauthorized access and monitoring. Supports WEP,WPA,WPA2,WPA/WPA2 encryption methods.
Security Key	The "password" of the WiFi Extender

Click on "Apply" button, The WiFi Extender will restart.

After the reboot has been completed, the WiFi Extender is accessible under

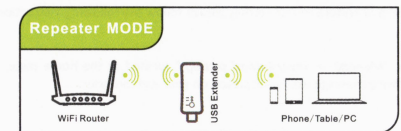
- 6 -

the SSID and the Wireless key.

## 2.4 Connect the extender to Internet

Connect the extender to your Router via an Ethernet cable.

## 3. Wireless Repeater Mode



### Note:

Repeater Mode of this mini router only extends the range of primary network signal, but does not strengthen the signal or network Speed.

The extended network speed and signal ≤ The network speed and signal of the place where there places the mini router.

#### 3.1 Power On

Plug the Wi-Fi Range Extender into a USB Port of charger, computer or mobile power, and wait until the WiFi LED is flash.

#### 3.2 Connect to the Extender

Follow process 1.3.1~1.3.5(page 4,5).

#### 3.4 Connect the extender to your Device

Delete or forget the WiFi Network (WiFi Repeater) and Reconnect your PC, Table or Phone to the Wi-Fi Range Extender's network.

## Using WPS

Wi-Fi Protected Setup makes it easy to connect your WiFi Extender to your Wireless Router, and connect other devices to your network through the WiFi Extender.

Note: your Wireless Router and other devices should support WPS.

## Connecting devices to your network through the WiFi Extender.

- 1) Press the WPS Button on the client device.

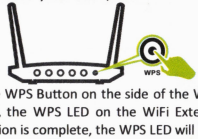
- 7 -

- Press and hold the WPS Button on the side of the WiFi Extender for one second, the WPS LED on the WiFi Extender will be flashing. When the connection is complete, the WPS LED will be off.
- If using the WiFi Extender's WPS, be sure to click OK within two minutes or you will have to start over.

### Connecting the WiFi Extender to an existing access point or router .

**Note: Please set the WiFi Extender to Repeater mode first.**

- Press the WPS button on your router/AP.



- Press and hold the WPS Button on the side of the WiFi Extender until the WPS LED turn off, the WPS LED on the WiFi Extender will be flashing. When the connection is complete, the WPS LED will be off.



- If using the WiFi Extender's WPS, be sure to press the WPS button within two minutes or you will have to start over.

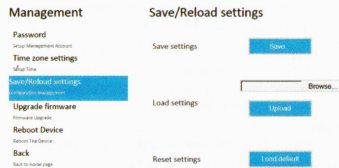
- 8 -

### Factory Default and Settings Backup, Restore

You can backup all Setting of this router to a file, so you can make several copied of router configuration for security reason.

To backup or restore router setting, please follow the following instructions:

- Click **"Manage -> Save/Reload setting"** located at the home page, the following message will be displayed on your web browser.



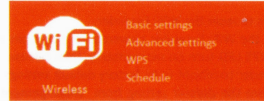
<b>Save Settings</b>	Press <b>"Save..."</b> button, you can please save it as another filename for different versions, and keep it in a safe place.
<b>Load Settings</b>	Press <b>"Browse..."</b> to pick a previously-saved configuration file from your computer, and then click <b>"Upload..."</b> . After the configuration is uploaded, the router's configuration will be replaced by the file you just uploaded.
<b>Reset Settings</b>	Click this <b>"Load default"</b> button to remove all settings.

- 12 -

### Wireless Base Configuration-AP Mode

You could configure the basic setting of Wireless settings for communication, such as network name (SSID) and Channel. The Access Point can be set simply with only the minimum setting items.

- Click **"Wireless-> Basic Settings"** located at the home page.



- The following message will be displayed on your web browser.



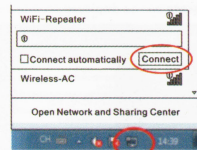
<b>Wireless Enable</b>	Wireless ON/OFF
<b>SSID</b>	Wireless SSID of the Wi-Fi Extender
<b>Channel</b>	Auto (Recommend)
<b>Security type</b>	Setup the Wireless security and encryption to prevent form unauthorized access and monitoring. Supports 64/128-bit WEP, WPA, WPA2. WPA/WPA2 encryption methods.
<b>Security</b>	The "Password" of the Wi-Fi Extender

Click "Apply" to save the settings.

- 9 -

### How to connect your computer/laptop with the Wi-Fi Extender ?

- Log on to the computer.
- Open Connect to a Network by right-clicking the network icon ( or ) in the notification area.
- Choose the wireless network from the list that appears. and then click Connect.
- Type the network security key or pass phrase if you are asked to do so, and then click OK. You will see a confirmation message when you are connected to the network.



- To confirm that you added the computer, do the following:

Open Network by clicking the Start button, and then clicking Control panel. In the search box. type network, and then, under Network and Sharing Center, click View network computers and devices. You should see icons for the computer you added and for the other computers and devices that are part of the network.

**Note: If you don't see icons in the Network folder, then network discovery and file sharing might be turned off.**

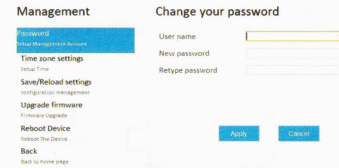
- 13 -

### Manage the WiFi Extender

#### Change Management password

Default password of the WiFi Extender 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.

- Click **"Manage -> Password"** located at the home page, the following message will be displayed on your web browser.



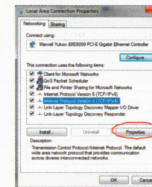
<b>Username</b>	Enter your current username
<b>New Password</b>	Enter your new password
<b>Retype Password</b>	Re-enter your new password

- Click Save to save the settings.

- 10 -

### How to configure you computer/laptop with the network IP Address ?

- Log on to the computer



- Click the **"Start"** button (it should be located at the lower-left corner of your screen), then click **"Control Panel"**. Click **"View Network Status and Tasks"**, and then click **"Manage Network Connections"**. Right-click **"Local Area Network"**, then select **"Properties"**. When the **"Local Area Connection Properties"** window appears, select **"Internet Protocol Version 4 (TCP/IPv4)"** and then click **"Properties"**.



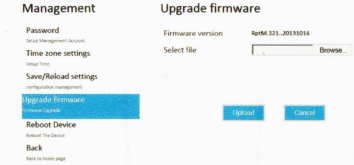
- Setting IP address manually: Type IP address is **192.168.10.x** (x is from 2 to 254), and Subnet mask is **255.255.255.0**. Type the WiFi Extender's LAN IP (the default IP is 192.168.10.1) into the Default gateway field.

- 14 -

#### Firmware Upgrade

The system software used by this WiFi Extender 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.

- Click **"Manage -> Upgrade Firmware"** located at the home page, 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 **"Upload"** button. and the WiFi Extender will start firmware upgrade procedure automatically. The procedure may take several minutes, please be patient.

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

*(Warranty voids if you interrupted the upgrade procedure).*

- 11 -

### Time for FAQ

#### Part One: AP Mode

Q: Unable to log in the IP address

A: Please don't plug in the Ethernet Cable before the configuration is complete, or you are unable to set it up as AP Mode.

#### Part One: Repeater Mode

Q: How to choose the new network automatically when you are using this extender vs. your primary wifi source?

A: Change **"WiFi-Repeater"** into the SSID name of your primary wifi source when you are setting up the device.

Q: I've successfully connected the mini router but fail to surf the Internet.

A: Maybe you've mistakenly enter the wrong password of your primary wifi source. In this case, please do the reset first to set it up again.

Q: I want to get back into the router setup after setting up Extender , but find 192.168.10.251 no longer works.

A: It is possible to modify the IP address of the log in page to achieve that. Please refer to the instruction "How to modify IP address of the log in page?"

### IMPORTANT NOTE

**When to reset?**

- When you fail to connect your devices with this WiFi Extender.
- When you move the extender to another place where the IP address of the WiFi Extender differs from the previous one.
- You mistakenly enter the password and click "save", or you forget the password.

- 15 -