

3 in One WiFi Repeater

Installation and Operating Instructions

Model: REP240
Version 1.0

3 in 1
REPEATER



Wi-Fi
2.4 GHz



Wireless
Speed



WPS
Button



Wi-Fi
REPEATER



Access
Point



Client
Mode

PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE USING THIS PRODUCT
AND KEEP THIS MANUAL FOR FUTURE REFERENCE.

Open Source Code

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Please refer to the GNU GPL Web site for further information.
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Introduction:

The Device is mainly used for providing free Wi-Fi service in big area such as factory, community, street or etc. The Device can take an existing 802.11n wireless signal, repeat and extend it to a longer range where it is too far away for the router or access point to reach. The device supports 2.4G wireless network connection, and it can supports 2.4G transmission speeds of up to 300Mbps. It has 2 x Antennas providing even better wireless performance, transmission rates, stability technology automatically avoids channel conflicts using its channel selection feature.

Package Contents

Before you starting to use this router, please check if there's anything missing in the package, and contact your dealer of purchase to claim for missing items:

1 x Wi-Fi AP/Repeater (the Device)
1 x Quick Installation Guide
1 x RJ-45 Cable (Optional)

Hardware Overview

Default Parameters

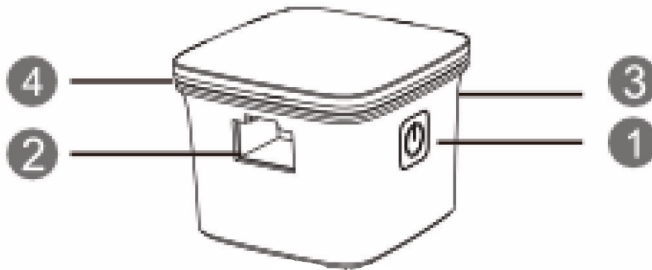
Default IP: 192.168.10.1

URL: <http://ap.setup>

Login Password: **admin**

Wi-Fi SSID: **Wireless-N**

Wi-Fi Key: no



① Power On/Off Button

② LAN Port

③ WPS/Reset Button

Press **6** Seconds , **Reset** the Device

Press **1-2** Seconds, Connect to your AP/Router

WPS for Client Connection, not supported

④ Status LED

ON: The Device is power on, working properly

OFF: The Device is not receiving electrical power

Slow Flashing: The Device network is disconnected

Fast Flashing: The Device WPS Connecting to your AP/Router

Getting Started

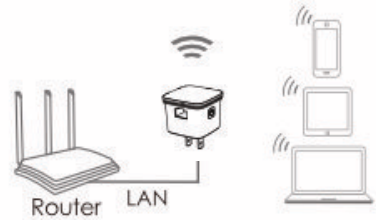
Setting up a Wireless Infrastructure Network

For a typical wireless setup at home (as shown below), please do the following:

Wireless AP Mode

The Device is connected to a wired network **then** transforms the wired Internet access into wireless so that multiple devices can share the Internet.

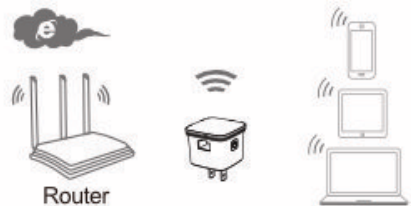
So this mode is fit for office, home and places where only wired network is available.



Wireless Repeater Mode

The Device is copies and reinforces the existing wireless signal to extend the coverage of the signal. This mode is especially useful for a large space to eliminate signal-blind corners.

So this mode is fit for large house, office, warehouse or other spaces where the existing signal is weak.



Configure the WiFi Repeater Mode

Configure the Wi-Fi Repeater Mode with WPS Button.

This is the easiest way to configure the Device. First, check whether your wireless router supports WPS. For further details, please read the operating instructions for your wireless router.



Tips: If you want to keep the stable connection between your router and our repeater at REPEATER mode, Please install our Repeater at a suitable position. You can check the suitable position as the followings: You can check the Wi-Fi signal on your smartphone, if the signal is below 2 levels, we suggest to change the location of our repeater.

1. Plug the Device into a wall socket.
2. Press the WPS button on the Device for **6** seconds (Mini Series is **1-2** Seconds). The WPS LED **fast** flashing for approx. 2 minutes.
3. Within these 2 minutes, please Press the WPS button of your Wireless Router directly for **2 - 3** seconds. (For further details, please read the operating instructions for your wireless router.)



The Device then automatically connect to your wireless router and copies wireless key of the settings. The device Wi-Fi Password same your AP/Router. After the reboot has been completed, please go to your device WLAN setting, connect to new SSID.

Configure the WiFi Repeater Mode

You can configure the Wi-Fi Repeater Mode by connecting it with your computer/laptop with enclosed RJ45 cable or wirelessly.

A. Configure the Wi-Fi Repeater Mode wirelessly.

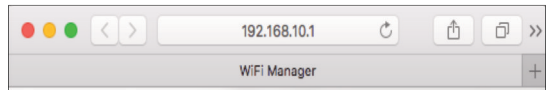
A1. Plug the device into a wall socket.

A2. Click on the network icon ( or ) on the right bottom of your desktop. You will find the signal from the Wireless-N. Click on 'Connect' then wait for a few seconds.

*** Attention:**
"REP240" instead of "Wireless-N" may also be visible as a signal. Please use this signal then.



A3. Open web browser and type **http://192.168.10.1** or **http://ap.setup** in the browser address box. This number is the default IP address for this device.



Note: Please check whether the Device accord with factory default settings once you can't entered **http://192.168.10.1** or **http://ap.setup** . If you are still not sure what reasons, you can reset the Device, just need to press the **reset** button.

Configure the WiFi Repeater Mode

A4. The login screen below will appear. Enter the Password then click “Login” to login. The default Password is “admin”.

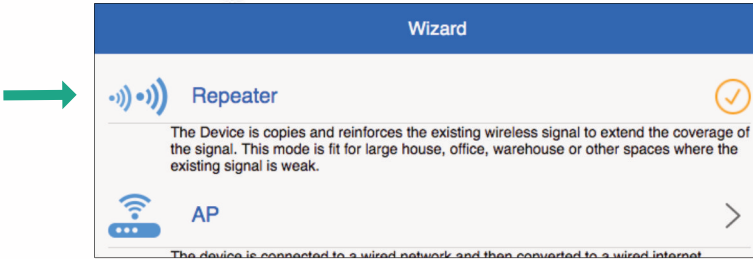


A5. After logging in, you will see the web page below, click on the **Wizard**

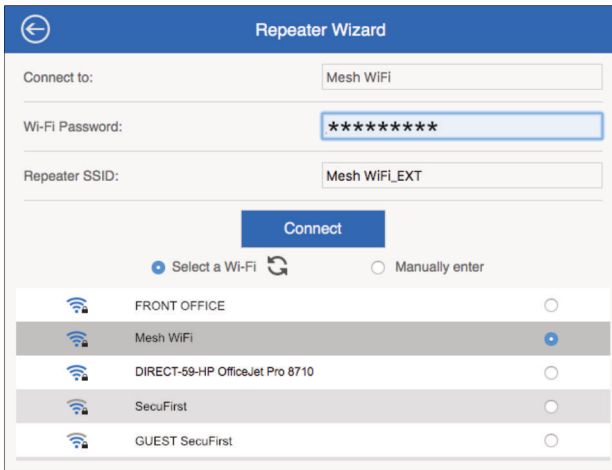


Configure the WiFi Repeater Mode

A6. Click on the **Repeater**.



A7. From the list, select a Wi-Fi SSID. After having selected a Wi-Fi SSID, you must then specify the password of your wireless router.



Completing the entry, click on the **“Connect”** button.

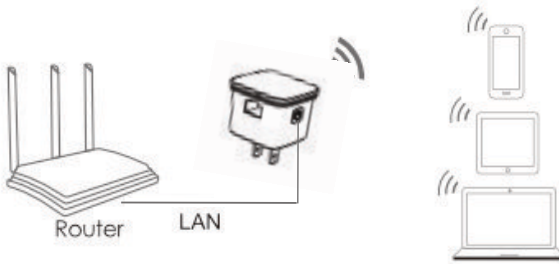
After the reboot has been completed, please go to your device WLAN setting, connect to new Wi-Fi SSID.

B. Configure the Wi-Fi Repeater Mode with RJ45 Cable.

- 1.Plug the Device into a wall socket. Connect your computer / laptop with the Device with RJ45 Cable.
- 2.Follow process **A3** to **A7** to configure the Device.


Configure the WiFi AP Mode

Use the AP Mode to obtain a "wireless access point". The wireless end devices will connect to the Device in this mode. You can also use this mode, for example, to make a formerly non-wireless-enabled router wireless-enabled.






- 1.Plug the Device into a wall socket.
- 2.Follow process **A2** to **A5**.
- 3.Click on the **AP** button


Wizard

 Repeater >

The Device is copies and reinforces the existing wireless signal to extend the coverage of the signal. This mode is fit for large house, office, warehouse or other spaces where the existing signal is weak.

  **AP** 

The device is connected to a wired network and then converted to a wired internet access to the wireless network which can be shared by multiple devices.

 Client >

You can connect an end device with a LAN interface(for example: computer, notebook or TV set), which has no own wireless network, to the Wi-Fi Repeater via a RJ45 cable. The Wi-Fi Repeater now can connect your end device wirelessly to an existing wireless router.

Configure the WiFi AP Mode

The following message will be displayed on your web browser:

← AP Wizard

Connect the device to your router/switch/hub using Ethernet cable.

Wi-Fi SSID:

Security Type:

Wi-Fi Password:

Apply

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 " Wi-Fi Password " of the Device

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

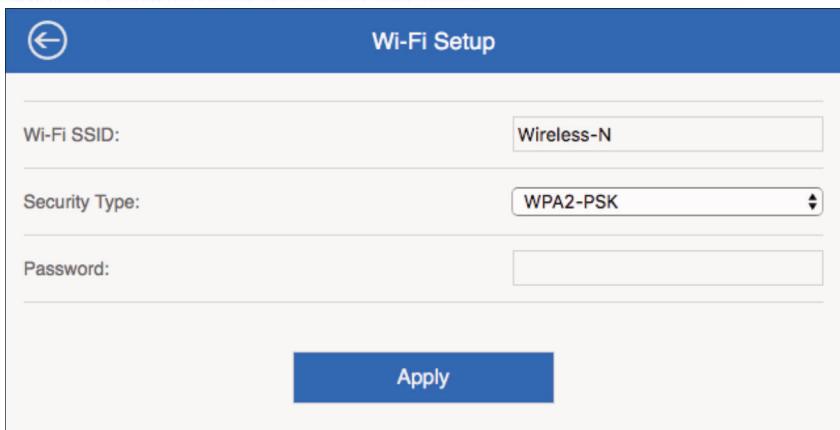
After the reboot has been completed, please go to your device WLAN setting, connect to new Wi-Fi SSID.

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 Access Point can be set simply with only the minimum setting items.



Wi-Fi Setup

Wi-Fi SSID: Wireless-N

Security Type: WPA2-PSK

Password:

Apply

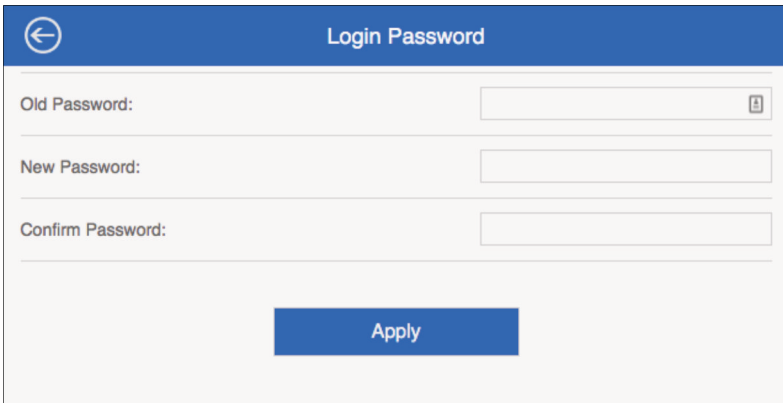
Wireless Status	Wireless On/Off
SSID	Wireless SSID of the Device
Security type	Setup the Wireless security and encryption to prevent from unauthorized access and monitoring. Supports WPA, WPA2, WPA/WPA2 encryption methods.
Security key	The " Password " of the Device.

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 follow the following instructions:
Please click **“Setup > Login Password”** menu on the web management interface, the following message will be displayed on your web browser:



← Login Password

Old Password:

New Password:



Confirm Password:

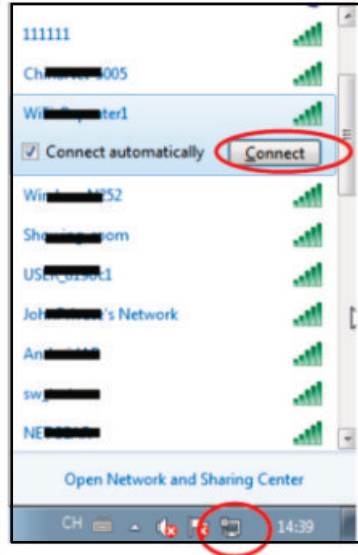
Apply



Click **‘Apply’** button, The Device will log off.


Connect Windows Computer / Laptop with REP240

Wireless Base Configuration

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



5. 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.

Connect i-Mac Computer / Laptop with REP240

Wireless Base Configuration

1. Log on to the computer.
2. Open Connect to a Network by right-clicking the network icon  in the notification area.
3. Choose the wireless network from the list that appears, and then click **Connect**.
4. Type the network security key or passphrase if you are asked to do so, and then click **OK**. You'll see a confirmation message when you are connected to the network.



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.

SecuFirst

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