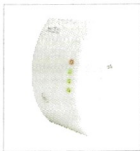


# WiFi-Repeater

## User Manual

Quick Installation Guide(Q.I.G.)



REV.3.2.1

## Open Source Code

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.

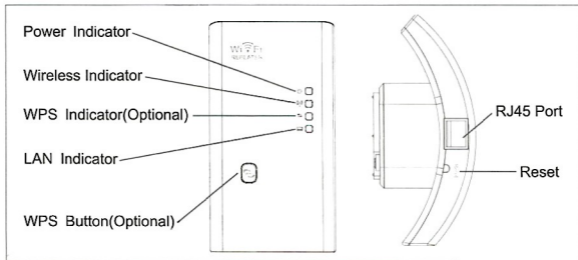
The source code should be complete, if you think our need to provide any additional source code files under GNU General Public License (GPL), please contact us. We are committed to meeting the requirements of the GNU General Public License (GPL). You are welcome to contact us local office to get the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

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

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

## Introduction :

The WiFi Repeater is a combined wired/wireless network connection device designed specifically for small business, office, and home office networking requirements. It allows a wireless network to be expanded using multiple access points without the need for a wired backbone to link them. It also works well with other 11b/g and 11n protocol wireless products.



**NOTE:** If you need to **reset** the Wi-Fi Repeater, you need press and hold the reset button inside the tiny hole for **10** seconds.

## 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 Wireless-N Repeater
- 1 x RJ-45 Networking Cable
- 1 x Quick installation Guide

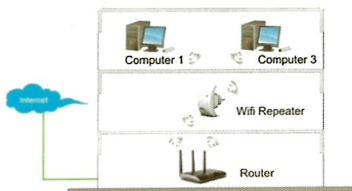
## Getting Started

### Setting up a Wireless Infrastructure Network

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

#### Wireless Repeater Mode

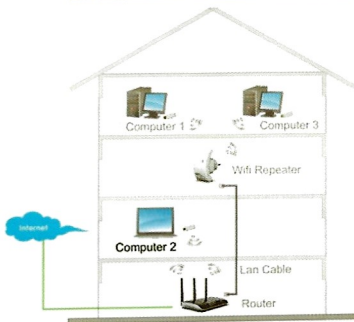
You will need WiFi  
AP/Router Internet access



#### Wireless AP Mode

You will need broadband  
Router Internet access

Connect the WiFi-Repeater  
to your Router/Switch with  
RJ-45 Cable





## How to configure the Wi-Fi Repeater

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

### A. Configure the Wi-Fi Repeater wirelessly.

A1. Plug the Wi-Fi Repeater to a wall socket.

A2. Click on the network icon (  or  ) on the right bottom of your desktop. You will find the signal from the **Wi-Fi Repeater**. Click on **'Connect'** and wait for a few seconds.



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



**Note:** Please check whether the WiFi-Repeater accord with factory default settings once you can't download **http://192.168.10.1**. If you are still not sure what reasons, you can reset the WiFi-Repeater, just need to press the **reset** button for **10** seconds, then try again.

A4. The login screen below will appear. Enter the "User Name" and "Password" then click "OK" to login. The default User name is "admin" and Password is "admin".



The login screen features a green background. On the left is a white silhouette of a person's head and shoulders. To the right of the silhouette are three input fields: 'Username' containing 'admin', 'Password' with seven black dots, and 'Language' set to 'English' with a dropdown arrow. A green 'Submit' button is located at the bottom right.

A5. After logging in, you will see the web page below: Click on 'Repeater' to continue.



The main configuration page is divided into several sections:

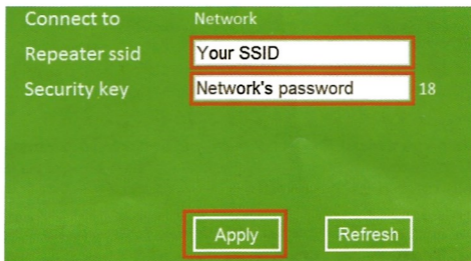
- Wizard:** A horizontal bar with icons for AP, User-PC, Repeater, Wi-Fi Router, and Internet. The 'Repeater' icon is circled in red.
- Wireless Status:** A dark blue box containing:

Mode	AP
Status	Enabled
SSID	Wifi-Repeater
Channel	1
Security	Disabled
Clients	0
- Wireless:** An orange box with a 'Wi-Fi' icon and links for Basic settings, Advanced settings, WPS, and Schedule.
- Internet:** A green box with an 'e' icon and details for IP (192.168.10.1), DHCP (Server), and MAC (80:3f:58:83:96:c1).
- Management:** A blue box with a gear icon and links for Password, Time zone settings, Save/Reload settings, and Upgrade firmware.
- Status:** An orange box with a four-leaf clover icon and details for Firmware version (RptM\_321\_38\_1119), Uptime (Today: 1h:29m:44s), and Build time (Mon Nov 19 11:35:57 CST 2012).

A6. Select your Wireless SSID to continue.



A7. When you see below, please do not change any setting but only insert the key of your network.



Click on '**Apply**' button, The Repeater will restart.  
Wait for a few seconds your Wi-Fi Repeater is ready for use.

\* The default wireless SSID and Security key of Wi-Fi Repeater is same as your AP/router.

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

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

## C. Configure the Wireless AP Mode.

1. Plug the Wi-Fi Repeater into a wall socket.
2. Follow process A3 to A4.
3. Click on 'AP' to continue.

The screenshot displays the web interface of a Wi-Fi Repeater. At the top left is the 'Wizard' section with a navigation bar containing 'AP' (highlighted with a red oval), 'User PC', 'Repeater', 'Router Switch', and 'Internet'. Below the navigation bar is a 'Repeater' button. To the right is a 'Wireless Status' panel with the following information:

Wireless Status	
Mode	AP
Status	Enabled
SSID	Wifi-Repeater
Channel	1
Security	Disabled
Clients	0

The main interface is divided into six colored panels:

- Wireless (Orange):** Contains 'Wi-Fi' logo and links to 'Basic settings', 'Advanced settings', 'WPS', and 'Schedule'.
- Internet (Light Green):** Contains an 'e' logo and displays 'IP: 192.168.10.1', 'DHCP: Server', and 'MAC: 80-3f-5d-81-96-c1'.
- Management (Blue):** Contains a gear icon and links to 'Password', 'Time zone settings', 'Save/Reload settings', and 'Upgrade firmware'.
- Status (Yellow-Orange):** Contains a square icon and displays 'Firmware version: ReM\_321\_38\_1119', 'Uptime: 0day:12h:49m:23s', and 'Build time: Mon Nov 19 13:35:57 CST 2012'.

4. The following message will be displayed on your web browser:

Wireless AP Mode

SSID: Your SSID

Channel: Auto

Security type: WPA/WPA2 PSK

Security key: Your password

Apply Cancel



SSID	the " <b>SSID</b> " of your wireless network.
Channel	Auto ( <b>recommend</b> )
Security type	Setup the wireless security and encryption to prevent from unauthorized access and monitoring. Supports 64/128-bit WEP, WPA, WPA2, WPA/WPA2 encryption methods.
Security key	the "Password" of your wireless network.

Click on '**Apply**' button, The Repeater will restart.  
Wait a few seconds your Wi-Fi Repeater is ready for use.






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

## Adding a Wireless computers to the WiFi-Repeater


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.

## Adding a Wireless computers to the WiFi-Repeater with WPS Button

1. Log on to the computer.
2. Press the **WPS** button of the WiFi Repeater directly for 2 - 3 seconds.
3. Press the WPS button of the Wireless Adapter directly for 2 - 3 seconds. Click Finish to complete the WPS configuration. (**Please check your Wireless adapter Manual with WPS configuration**)
4. You should see icons  for the computer you added and for the other computers and devices that are part of the network.

## Adding a wired (Ethernet) computer to the WiFi-Repeater

1. Plug the Wi-Fi Repeater to a wall socket. Connect your computer / laptop with the Wi-Fi Repeater with enclosed RJ45 Cable.
2. 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.

### For more information:

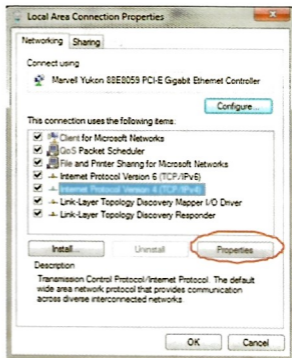
<http://windows.microsoft.com/en-US/windows7/Add-a-device-or-computer-to-a-network>

<http://windows.microsoft.com/en-US/windows7/Setting-up-a-wireless-network>

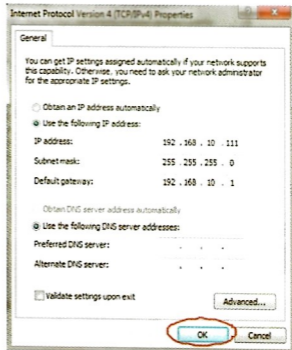
<http://windows.microsoft.com/en-US/windows-vista/Setting-up-a-wireless-network>

## How to configure your computer/laptop with the Network IP Address

1. Log on to the computer.
2. 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"**.



3. 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 Router's LAN IP address (the default IP is **192.168.10.1**) into the Default gateway field.



## Configuring via Web Browser

### Wireless Base Configuration – AP Mode

In AP mode and click “**Wireless -> Basic Settings**” located at the web management interface, the following message will be displayed on your web browser:

You could configure the minimum number 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.

#### Wireless settings

#### Basic settings

##### Basic settings

Setup wireless basic configuration

##### Advanced settings

Wireless advanced configuration

##### WPS

Wi-Fi protected setup

##### Schedule

Wireless schedule

##### Back

Back to home page

Wireless Enable

Enabled/Disable

SSID

Wifi-Repeater

Channel

Auto

Security type

Disable

Apply

Wireless Enable	Wireless On/Off
SSID	the "SSID" of your wireless network.
Channel	Auto ( <b>recommend</b> )
Security type	Setup the wireless security and encryption to prevent from unauthorized access and monitoring. Supports 64/128-bit WEP, WPA, WPA2, WPA/WPA2 encryption methods.
Security key	the "Password" of your wireless network.

Click ‘**Apply**’ button, The WiFi Repeater will restart.

In Repeater mode and click “Wireless-> Basic Settings” located at the web management interface, the following message will be displayed on your web browser:

### Wireless settings

#### Basic settings

Setup wireless basic configuration

#### Advanced settings

Wireless advanced configuration

#### WPS

W-Fi protected setup

#### Schedule

Wireless schedule

#### Back

Back to home page

### Basic settings

Wireless Enable

Enabled/Disable

SSID

Wifi-Repeater

Channel

Auto

Security type

WPA PSK

WPA encryption

TKIP  AES

Security key

\*\*\*\*\*

Apply

Wireless Enable	Wireless On/Off
Delete	Remove the repeater connection profile
Repeater ssid	the "SSID" of your repeater wireless network.
Security type	Setup the repeater ssid security type.
Security key	the "Password" of your repeater wireless network.

Click 'Apply' button, The WiFi Repeater will restart.

## Change Management password

Default password of Wireless Router 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 '**Management -> Password**' menu on the web management interface, the following message will be displayed on your web browser:

### Management

#### Password

Setup Management Account

#### Time zone settings

Setup Time

#### Save/Reload settings

configuration management

#### Upgrade firmware

Firmware Upgrade

#### Reboot Device

Reboot The Device

#### Back

Back to home page

### Change your password

User name

New password

Retype password

Apply

Cancel

If you want to keep original password unchanged, click '**Cancel**'.

Click '**Apply**' button, The WiFi Repeater will log off.

## Firmware Upgrade

The system software used by this router is called as '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.

Please click '**Management-> Upgrade Firmware**' located at the web management interface, and then the following message will be displayed on your web browser:

### Management

#### Password

Setup Management Account

#### Time zone settings

Setup Time

#### Save/Reload settings

configuration management

#### Upgrade firmware

Firmware Upgrade

#### Reboot Device

Reboot The Device

#### Back

Back to home page

### Upgrade firmware

Firmware version

RptM.321..20131016

Select file

Browse...

Upload

Cancel

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 router will start firmware upgrade procedure automatically.

The procedure may take several minutes, please be patient.

**NOTE:** Never interrupt the upgrade procedure by closing the web browser or physically disconnect your computer from router. If the firmware you uploaded is corrupt, the firmware upgrade will fail, and you may have to return this router to the dealer of purchase to ask for help. (Warranty voids if you interrupted the upgrade procedure).

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: Please click '**Save/Reload setting**' located at the web management interface, then the following message will be displayed on your web browser:

### Management

#### Password

Setup Management Account

#### Time zone settings

Setup Time

#### Save/Reload settings

Configuration management

#### Upgrade firmware

Firmware Upgrade

#### Reboot Device

Reboot The Device

#### Back

Back to home page

### Save/Reload settings

Save settings

Save...

Load settings

Browse...

Upload

Reset settings

Load default

#### Save Settings

Press '**Save...**' button, you can please save it as another filename for different versions, and keep it in a safe place.

#### Load Settings

Press '**Browse...**' to pick a previously-saved configuration file from your computer, and then click '**Upload...**'. After the configuration is uploaded, the router's configuration will be replaced by the file you just uploaded.

#### Reset Settings

Click this '**Load default**' button to remove all settings

#### 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.