



Kogan WiFi Range Extender User Manual

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Open Source Code

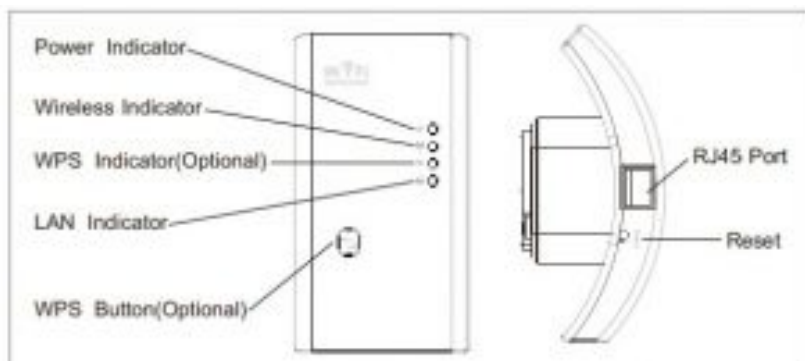
This product includes software codes developed by third parties. These software codes are subject to either the GNU General Public License (GPL), Version 2, June 1991 or the GNU Lesser General Public License (LGPL), Version 2.1, February 1999. You can copy, distribute, and/or modify in accordance with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

Input:100-240V 50/60Hz 0.3A
Manufacturer:Winstars Technology Limited

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 the Wi-Fi Repeater, you need press and hold the reset button inside the tiny hole for 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:

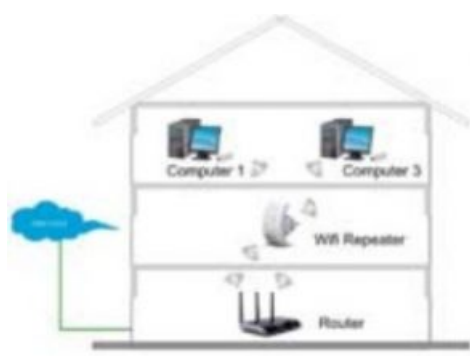
- 1 x Wireless-N Repeater
- 1 x RJ-45 Networking Cable
- 1 x Quick installation Guide

Getting Started

Setting up a Wireless Infrastructure Network. For a typical wireless setup at home (as shown below), please do the following:

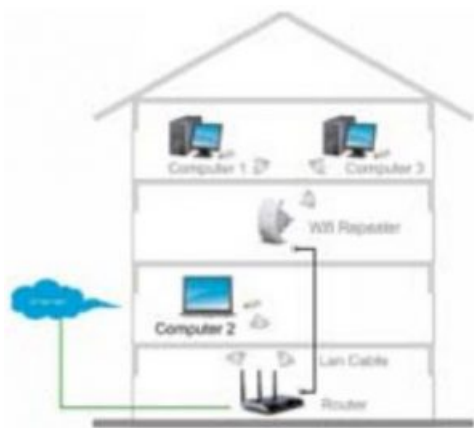
Wireless Repeater Mode

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

Configure the Wi-Fi Repeater wirelessly

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



2. 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.
3. 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 button for seconds, then try again.

4. 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".

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

- Select your SSID to continue.

- 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.

Configure the Wi-Fi Repeater with RJ45 Cable.

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

Configure the Wireless AP Mode.

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





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

SSID	the “SSID” of your wireless network
Channel	Auto (recommend)
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

Advanced settings

WPS

Schedule

Back

Basic settings

Wireless Enable

SSID

Channel

Security type

Apply

Wireless Enable	Wireless On/Off
SSID	the “SSID” of your wireless network
Channel	Auto (recommend)
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.

Wireless Base Configuration – Repeater Mode

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

Advanced settings

WPS

Schedule

Back

Basic settings

Wireless Enable

SSID

Channel

Security type

WPA2 encryption

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:

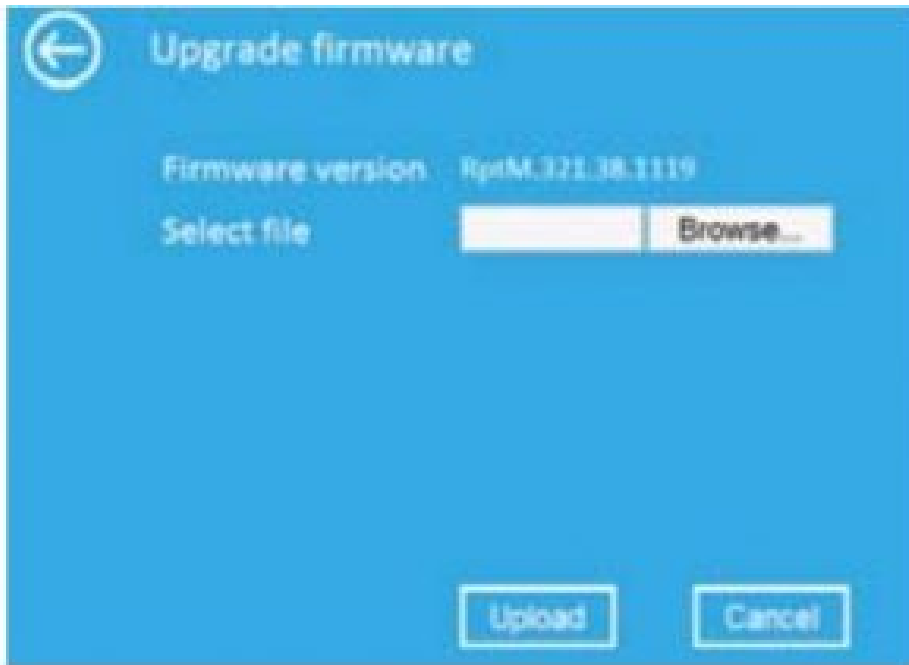


If you want to keep original password unchanged, click 'Cancel'. Click 'Apply' button, The WiFi Repeater will log off.

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:



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.

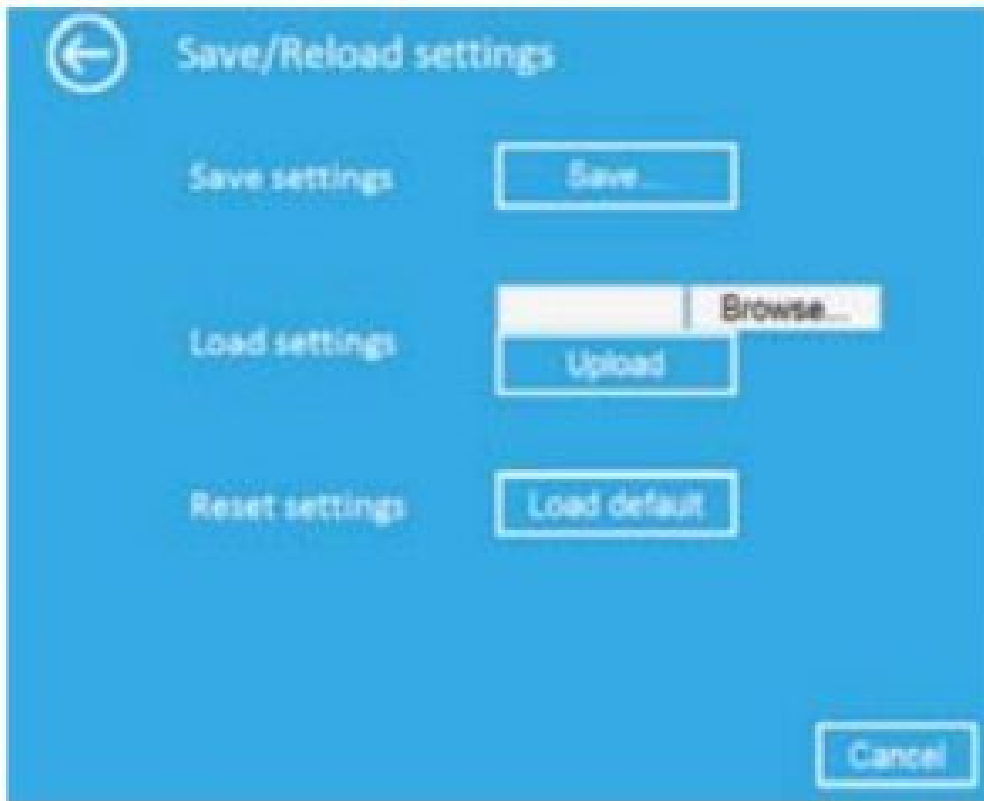
The procedure may take several minutes, please be patient.

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)

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



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

The socket-outlet shall be installed near the equipment and shall be easily accessible

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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 1: 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 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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