



EMINENT

EM4594
Mini Wifi Repeater with WPS

en

Manual

EM4594 – Mini Wifi Repeater with WPS

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1.0 Introduction

Congratulations with the purchase of this high-quality Eminent product! This product has undergone extensive testing by Eminent's technical experts. Should you experience any problems with this product, you are covered by Eminent warranty. Please keep this manual and the receipt in a safe place.

Register your product now on www.eminent-online.com and receive product updates!

1.1 Packing contents

The following parts need to be present in the packing:

- EM4594
- QIG

1.2 Device Overview

Front panel



LABEL	DESCRIPTION
WPS Button	Connect EM4594 to any WPS capable devices (1 sec. to connect to router).
Reset	Press the reset button for at least 6 seconds to restore the device to default factory settings. Wait approx. 1 minute for the device to reboot

Bottom



LABEL	DESCRIPTION
LAN port	Connect to computers / Ethernet devices

Side panel



On/Off Button

2.0 Where to place the EM4594 repeater?

The best location to place the EM4594 is approximately half-way between your wireless modem/router and your Wi-Fi client (laptop/smartphone/tablet) which has/have the weakest wireless reception. This way, the signal strength will be as good as possible.

Hint: Before placing the EM4594 on its destined location, the device needs to be setup. Setting up the EM4594 wireless repeater can be done best, if the EM4594 is located near your wireless modem/router. After setting up the EM4594, you can place the EM4594 at a location defined by using the signal indicator LEDs and the recommended setup as described previously.

3.0 Connecting the EM4594 to your modem/router

There are three different ways to connect your EM4594 to your modem/router.

3.1 Configure the wireless repeater using the WPS button

1. Please check if your wireless modem/router has a WPS button. Also check whether your wireless router has a properly configured internet connection.
2. Connect the EM4594 to a wall outlet. Please place the EM4594 close to the modem/router during setup.
3. Wait for the LED to turn blue (flashing). This will take approx.. 1 minute.
4. Press the WPS button on your wireless router for approximately 3 seconds*.

**Refer to the manual of your wireless router for the exact duration of pressing the WPS button. This can differ from brand or model.*

5. Now press the WPS button on the EM4594 Wireless Repeater for 1 second. Refer to the following image for the WPS button:



WPS button (1 sec)

Reset button (6 sec)

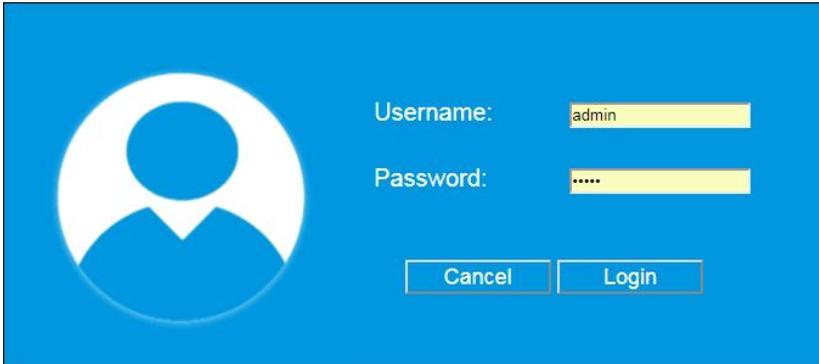
6. The connection between your wireless router and the EM4594 wireless repeater will be established automatically. This will take approx. 1 minute including reboot.

Note: If the WPS button is used, the SSID and network key and frequencies are the same as used on your wireless router. Some WPS routers will change their original SSID to another SSID if WPS is used. In this installation guide, the SSID of the wireless router is 'Eminent Test 1'. After using WPS button the SSID will automatically change to SSID + (R).

If you wish to use different settings from your modem/router you will need to setup the EM4594 manually using a web browser.

3.2 Manual configuration using encryption key

1. Connect the EM4594 to a wall outlet (preferably close to the modem/router).
2. Wait for the signal indicator to flash blue. This will take approximately 1 minute.
3. Connect to the EM4594 via Wi-Fi SSID: **Eminent_repeater**, or use the Ethernet cable to connect directly from your PC LAN port to the EM4594 “**LAN**” port
4. Open your internet browser and type `http://192.168.10.1` in your internet browser and then hit Enter.
5. The login screen will appear. Enter the **Username: “admin”** and **Password: “admin”**, then click “**Login**” to login.

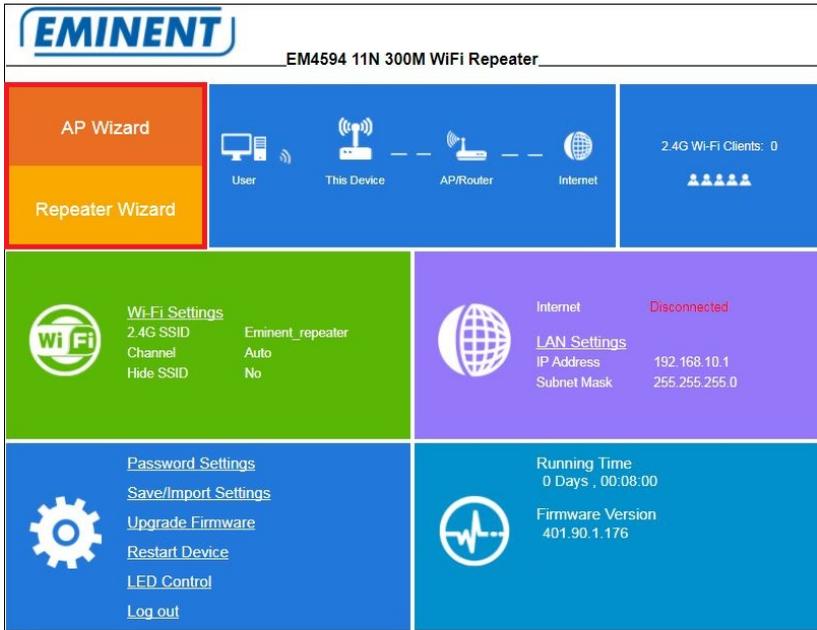


Username:

Password:

6. In the next step you will need to enter the WEP or WPA Passphrase of the Wi-Fi network you wish to connect to.

Select “**Repeater Wizard**” from the menu.



EM4594 11N 300M WiFi Repeater

AP Wizard
Repeater Wizard

User This Device AP/Router Internet

2.4G Wi-Fi Clients: 0

Wi-Fi Settings
2.4G SSID: Eminent_repeater
Channel: Auto
Hide SSID: No

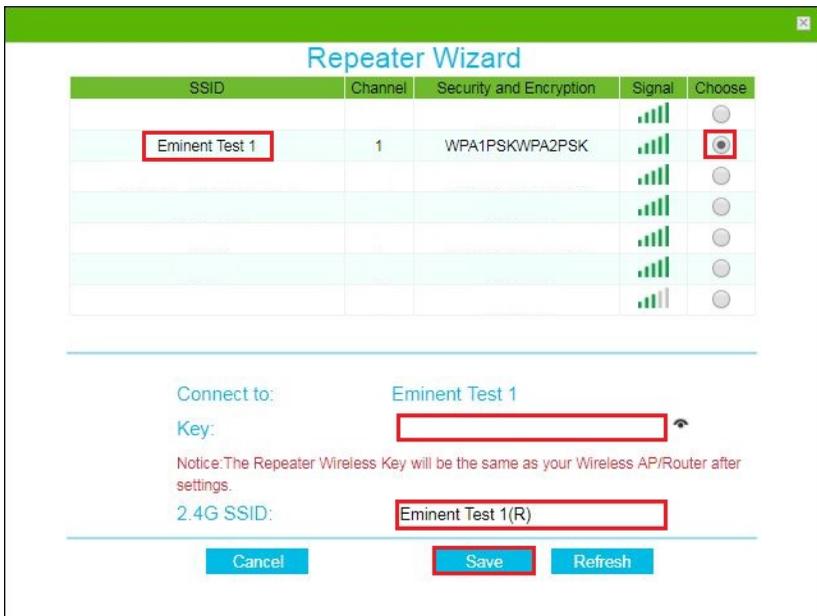
Internet Disconnected

LAN Settings
IP Address: 192.168.10.1
Subnet Mask: 255.255.255.0

Password Settings
[Save/Import Settings](#)
[Upgrade Firmware](#)
[Restart Device](#)
[LED Control](#)
[Log out](#)

Running Time: 0 Days, 00:08:00
Firmware Version: 401.90.1.176

7. You will see a screen with all the available Wi-Fi networks.



Repeater Wizard

SSID	Channel	Security and Encryption	Signal	Choose
Eminent Test 1	1	WPA1PSKWPA2PSK	Full Signal	<input checked="" type="radio"/>
			Full Signal	<input type="radio"/>
			Full Signal	<input type="radio"/>
			Full Signal	<input type="radio"/>
			Full Signal	<input type="radio"/>

Connect to: Eminent Test 1

Key:

Notice: The Repeater Wireless Key will be the same as your Wireless AP/Router after settings.

2.4G SSID:

8. Select the corresponding network you want to connect to in the “Choose” field.

9. You may notice that the repeater will automatically make a new Wi-Fi SSID name for 2,4GHz. Enter the security key of your wireless network in the Wi-Fi “Key” field.

SSID	Channel	Security and Encryption	Signal	Choose
Eminent Test 1	1	WPA1PSK/WPA2PSK	Signal strength indicator	<input checked="" type="radio"/>
			Signal strength indicator	<input type="radio"/>
			Signal strength indicator	<input type="radio"/>
			Signal strength indicator	<input type="radio"/>
			Signal strength indicator	<input type="radio"/>

Connect to: Eminent Test 1

Key:

Notice: The Repeater Wireless Key will be the same as your Wireless AP/Router after settings.

2.4G SSID: Eminent Test 1(R)

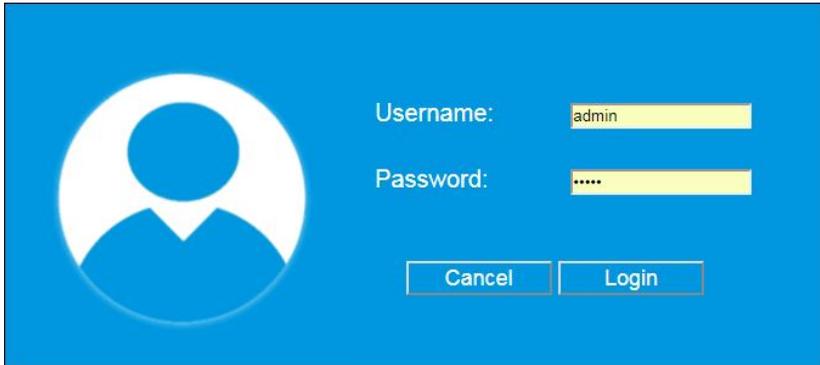
Buttons: Cancel, Save, Refresh

10. Click “Save”, the EM4594 will reboot and connect to your router.
11. You can now connect your wireless network adapter(s) to the new made Wi-Fi SSID and entering the wireless encryption key of the wireless network you previously connected.

Note: After the settings have been applied, the EM4594 will reboot. Your device will no longer be connected to the wireless network SSID of the EM4594.

4.0 Access Point mode

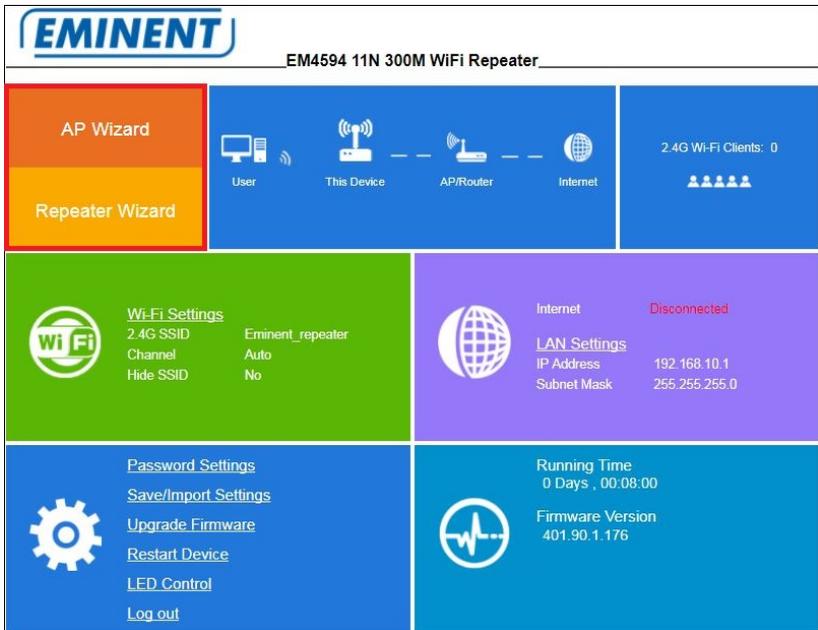
1. Connect the EM4594 to a wall outlet (preferably close to the modem/router).
2. Wait for the LED to turn blue (flashing). This will take approx.. 1 minute.
3. Connect to the EM4594 via Wi-Fi SSID: **Eminent_repeater**, or use the Ethernet cable to connect directly from your PC LAN port to the EM4594 “LAN” port.
4. Open your internet browser and type <http://192.168.10.1> in your internet browser and then hit Enter.
5. The login screen will appear. Enter the **Username: “admin”** and **Password: “admin”**, then click “Login” to login.



Username:

Password:

6. Select **"AP Wizard"** from the Menu.



EMINENT EM4594 11N 300M WiFi Repeater

AP Wizard

Repeater Wizard

User This Device AP/Router Internet

2.4G Wi-Fi Clients: 0

Wi-Fi Settings
 2.4G SSID Eminent_repeater
 Channel Auto
 Hide SSID No

Internet Disconnected

LAN Settings
 IP Address 192.168.10.1
 Subnet Mask 255.255.255.0

Password Settings
[Save/Import Settings](#)
[Upgrade Firmware](#)
[Restart Device](#)
[LED Control](#)
[Log out](#)

Running Time
 0 Days , 00:08:00

Firmware Version
 401.90.1.176

7. The following screen will appear:

2.4G Wi-Fi Settings

Wi-Fi SSID: Eminent_repeater_AP Hide SSID

Encrypted: Encrypted

Wifi Key: (8-63characters)

Channel: Auto

Cancel Save

8. You will notice that the repeater will automatically fill in the default SSID name from repeater in to SSID field. It is not necessarily needed but we suggest to rename the SSID name to: SSID name + AP so you will always know that you are connected as Access Point.
9. You also have the option to secure the Wi-Fi network by adding an encryption key. Click in the “**Encrypted**” field to change the security. Now enter an encryption key in the “**Wi-Fi Key**” field.
10. Click “**Save**” to confirm. The repeater will reboot and make the changes. This will take approximately 1 minute.
11. Remove the repeater from the power.
12. Install your Ethernet cable from modem/router or router into the “**LAN**” port of the repeater.
13. Connect the EM4594 back to the wall outlet.
14. Wait until the “signal indicator” lights up the blue led. This will take approximately 1 minute.
15. You can now make wireless connection with new made SSID as Access Point.

5.0 Frequently Asked Questions and other related information

The latest Frequently asked questions for your product can be found on the support page of your product. Eminent will update these pages frequently to assure you have the most recent information. Visit www.eminent-online.com for more information about your product.

6.0 Service and support

This user manual has been carefully written by Eminent's technical experts. If you have problems installing or using the product, please fill out the support form at the website www.eminent-online.com/support.

You can also contact us by phone. Please check www.eminent-online.com/support for the helpdesk phone number and opening hours.

7.0 Warning and points of attention



Due to laws, directives and regulations set out by the European parliament, some (wireless) devices could be subject to limitations concerning its use in certain European member states. In certain European member states the use of such devices could be prohibited. Contact your (local) government for more information about this limitations.

Always follow up the instructions in the manual*, especially where it concerns devices which need to be assembled.

Warning: In most cases this concerns an electronic device. Wrong/improper use may lead to (severe) injuries!

When you connect the device to the mains, make sure it will not be damaged or subject to (high) pressure.

A power socket is needed which should be close and easy accessible from the device.

Repairing of the device should be done by qualified Eminent staff. Never try to repair the device yourself. The warranty immediately voids when products have undergone self-repair and/or by misuse. For extended warranty conditions, please visit our website at www.eminent-online.com/warranty.

Dispose of the device appropriately. Please follow your countries regulation for the disposal of electronic goods.

Please check below safety points carefully:

- Do not apply external force on the cables
- Do not unplug the device by pulling the power cable
- Do not place the device near heating elements
- Do not let the device come in contact with water or other liquids
- If there is any strange sound, smoke or odor, remove the device immediately from the power outlet.
- Do not put any sharp objects into the venting hole of a product
- Do not use any damaged cables (risk of electric shock)
- Keep the product out of reach of children
- Wipe off the product with soft fabric, not water mop.
- Keep the power plug and outlet clean
- Do not unplug the device from the power outlet with wet hands
- Unplug the device when you don't use it for a long time
- Use the device at a well ventilated place

**Tip: Eminent manuals are written with great care. However, due to new technological developments it can happen that a printed manual does not longer contain the most recent information. If you are experiencing any problems with the printed manual or you cannot find what you are looking for, please always check our website www.eminent-online.com first for the newest updated manual.*

Also, you will find frequently asked questions in the FAQ section. It is highly recommended to consult the FAQ section. Very often the answer to your questions will be found here.

8.0 Warranty conditions

The Eminent warranty applies to all Eminent products. After buying a second-hand Eminent product the remaining period of warranty is measured from the moment of purchase by the product's initial owner. Eminent warranty applies to all Eminent products and parts, indissolubly connected or mounted to the product it concerns. Power supply adapters, batteries, antennas and all other products not directly integrated in or connected to the main product or products of which, without reasonable doubt, can be assumed that wear and tear during use will show a different pattern than the main product, are not covered by the Eminent warranty. Products are not covered by the Eminent warranty when exposed to incorrect/improper use, external influences or when opening the service parts of the product by parties other than Eminent. Eminent may use refurbished materials for repair or replacement of your defective product. Eminent cannot be held responsible for changes in network settings by internet providers. We cannot guarantee that the Eminent networking product will keep working when settings are changed by the internet providers. Eminent cannot guarantee the working of web services, apps and other third party content that is available through Eminent products.

When my product gets defective

Should you encounter a product rendered defective for reasons other than described above: Please contact your point of purchase for taking care of your defective product.



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