



EM4594
Firmware update

Firmware

Update

EM4594 – Firmware update

Table of contents

1.0 (NL) Introductie.....	3
2.0 (NL) Firmware installeren	3
4.0 (NL) Overige informatie:	7
1.0 (UK) Introduction	8
2.0 (UK) Installing the firmware.....	8
4.0 (UK) Other information.....	12

Firmware Installatie.

Voor Nederlandse gebruikers: Ga naar pagina 3.

Firmware Installation.

For English users: Go to page 7.

1.0 (NL) Introductie

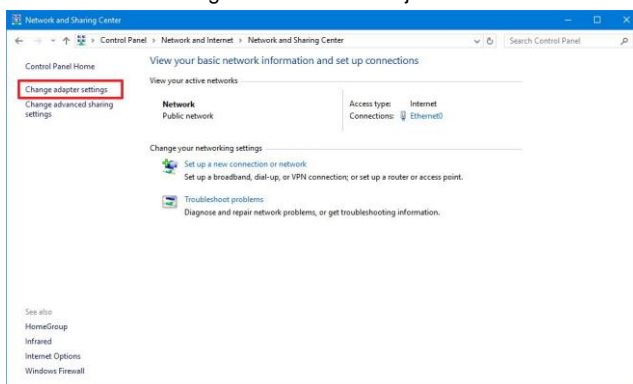
Deze installatie handleiding zal je helpen de firmware van de EM4594 te installeren.

Volg de aangegeven stappen nauwkeurig om de firmware correct te installeren.

2.0 (NL) Firmware installeren

We gaan er bij deze firmware update instructie vanuit dat je reeds je repeater hebt gekoppeld aan je eigen thuisnetwerk. Dit betekent dat je niet direct op de web-interface van de repeater kunt inloggen via het standaard IP-adres van je repeater omdat deze een IP-adres heeft gekregen vanuit je router. We gebruiken Windows 10 om je de instructies te geven voor het toevoegen van een statisch IP-adres aan je netwerkadapter.

1. Download de firmware en sla de firmware op.
2. Het volgend bestand word gedownload:
 - **EM4594_R0_20181211_Firmware.zip**
3. Pak het bestand uit. Je ziet nu het bestand: **ecos.401.90.1.253.1543577882.img**. Dit bestand hebben we later nodig om de repeater te voorzien van een firmware update.
4. Zorg ervoor dat je repeater is aangesloten op je PC/Laptop. Verbind je repeater van de LAN poort naar de LAN poort van je PC/Laptop met behulp van een netwerkkabel of maak draadloos verbinding via het SSID van de repeater.
5. Klik op het Windows startmenu pictogram, typ "**Configuratiescherm**" in de zoekbalk en klik op "**Configuratiescherm**".
6. Klik op de link "**Netwerkstatus en taken weergeven**" onder de kop "**Netwerk en internet**". Het volgend scherm verschijnt:



7. Klik op de link aan de linkerkant van het venster met het label "**Adapterinstellingen wijzigen**".
8. Je ziet nu de beschikbare netwerkadapters.



9. Selecteer de netwerkadapter waaraan je het statische IP-adres wilt toevoegen en selecteer "**Eigenschappen**" met de rechtermuisknop.
10. Selecteer "**Internet Protocol versie 4 (TCP / IPv4)**" en klik op "**Eigenschappen**".

 A screenshot of the Windows network configuration dialog for IPv4. The "Obtain an IP address automatically" radio button is selected. The "Use the following IP address:" radio button is also selected and highlighted with a red box. Below it, the IP address, Subnet mask, and Default gateway fields are also highlighted with a red box.

11. Selecteer "**Use the following IP-address**" en zorg ervoor dat je een IP-adres invoert binnen hetzelfde bereik als de repeater.
12. Ter voorbeeld: "**IP-Address**" = 192.168.10.10
13. Voor "**Subnet mask**": 255.255.255.0
14. Klik op "**OK**" en sluit de eigenschappen.
15. Open je internet browser en type `http://192.168.10.1` in je internet browser en klik op Enter.
16. Het inlogscherm wordt getoond. Vul bij **Username**: "**admin**" en **Password**: "**admin**", of je eigen inloggegevens indien je deze zelf hebt gewijzigd. Klik daarna op "**Login**" om in te loggen.

 A screenshot of a login screen with a blue background. On the left is a white circular icon of a person. On the right, there are two input fields: "Username:" with "admin" entered, and "Password:" with "*****" entered. Below the fields are two buttons: "Cancel" and "Login".

17. Selecteer **“Upgrade Firmware”** in het 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
LED Control
Restart Device
Log out

Running Time
0 Days, 00:06:17

Firmware Version
401.90.1.253

Router MAC Address:
00:E0:4C:23:F6:24

Het volgend scherm verschijnt:

Upgrade Firmware

This page allows you upgrade the Access Point firmware to new version. Please note, do not power off the device during the upload because it may crash the system.

Firmware Version: 401.90.1.253

Select File: **Choose File** No file chosen **Upload**

18. klik op **"Choose file"** en kies het firmware bestand op de locatie waar je het bestand eerder hebt uitgepakt. Wanneer je het firmware bestand hebt geselecteerd klik je op **"Upload"**. Het volgend scherm verschijnt:

Device rebooting...Please wait for 40 seconds,please do not power off the device during the process.

12%

19. De repeater zal de instellingen opslaan en herstarten. Dit proces gebeurt automatisch en duurt ongeveer 40 seconden.
20. **Belangrijk!**: Verander van Statisch IP-adres terug naar **"Obtain automatically an IP address"**. Volg opnieuw de stappen 4 t/m 11. Bij stap 11 kies je voor **"Obtain Automatically an IP address"** en **"Obtain DNS server address automatically"**.



3.0 (NL) Release notes:

Versie: EM4594_R0_20181211_Firmware.zip

Technische aanpassingen:

- Login bug: zonder inloggegevens via IP-adres/home.htm inloggen op web-interface van de repeater is niet meer mogelijk.
- Repeater beveiliging verborgen: WPA/WPA2 beveiliging te selecteren voor repeater modus.

4.0 (NL) Overige informatie:

- Bezoek ook ons Open Source forum om je ervaringen met andere gebruikers te delen. Het Eminent Open Source forum kun je vinden door het volgende in de adresbalk van je browser in te tikken: '<http://opensource.eminent-online.com>'
- Bezoek de Eminent website voor de veel gestelde vragen. De veel gestelde vragen kun je vinden door in de adresbalk van je browser in te tikken: '<http://www.eminent-online.com>'. Selecteer de EM4594, bij 'Ondersteuning' kun je de 'Veel gestelde vragen' vinden indien deze van toepassing zijn voor dit product..

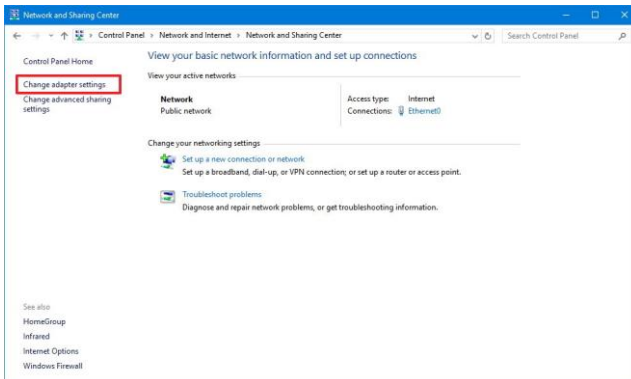
1.0 (UK) Introduction

This installation manual guides you to the installation process of the EM4594 firmware. Use the following steps to correctly install the firmware.

2.0 (UK) Installing the firmware

We will provide you the instructions based on setup that you already have connected your repeater to your own home network. This means that you cannot log in directly to the repeater's web interface via the default IP address of your repeater because it has received an IP address from your router. We use Windows 10 to give you the instructions to add a static IP address to your network adapter and perform an firmware upgrade.

1. Download the firmware and save the firmware.
2. The following file will be downloaded:
 - **EM4594_R0_20181211_Firmware.zip**
3. Unzip the downloaded file. You will now see the following file: **ecos.401.90.1.253.1543577882.img**. We will need this file to upgrade the repeaters firmware.
4. Please make sure your repeater is connected to your PC/Laptop. Connect the repeaters LAN port to the LAN port of your PC/Laptop by using a network cable. Or connect wirelessly via the SSID from your repeater.
5. Click on the Windows start menu icon, type "**Control Panel**" in the search bar and click on "**Control Panel**".
6. Click the link "**View network status and tasks**" under the "**Network and Internet**" header. You will see the following screen:



7. Click on the link at the left side of the window labeled "**Change adapter settings**".
8. You will now see your available network adapters.



9. Select the network adapter you wish to add the static IP address and select Properties with your right mouse button.
10. Select "Internet Protocol version 4 (TCP/IPv4) and click on Properties.

 A screenshot of the Windows Network Properties dialog box for Internet Protocol Version 4 (TCP/IPv4). The 'Obtain an IP address automatically' radio button is selected. The 'Use the following IP address:' radio button is also selected and highlighted with a red box. Below it, there are three input fields for IP address, Subnet mask, and Default gateway, each with a red box around it.

11. Select "Use the following IP address" and make sure you enter an IP address in the same range as the repeater.
12. For example: **IP-Address** = 192.168.10.10
13. For **Subnet mask** fill out: 255.255.255.0
14. Press "**OK**" and close the properties.
15. Launch your internet web browser on your computer and type <http://192.168.10.1> in your browsers address bar.
16. You will now see the login page. Please enter the User Name: **admin** and Password: **admin** and then click on "**Login**" button.

 A screenshot of a login page with a blue background. On the left is a white circular icon of a person. To the right, there are two input fields: 'Username:' with 'admin' entered, and 'Password:' with '*****' entered. Below the fields are two buttons: 'Cancel' and 'Login'.

17. Select "**Upgrade Firmware**".

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
LED Control
Restart Device
Log out

Running Time
0 Days , 00:06:17
Firmware Version
401.90.1.253
Router MAC Address:
00:E0:4C:23:F6:24

You will see the following screen:



Upgrade Firmware

This page allows you upgrade the Access Point firmware to new version. Please note, do not power off the device during the upload because it may crash the system.

Firmware Version: 401.90.1.253

Select File: No file chosen

- Click **"Choose file"** and select the firmware file which you have saved earlier on your PC/laptop. Click **"Upload"**. You will see the following screen:

Device rebooting...Please wait for 40 seconds,please do not power off the device during the process.

12%

19. The repeater will save the settings and restart. This process will be done automatically and take approximately 40 seconds.
20. **Important!**: Change your IP-address back to “**Obtain automatically an IP address**”. Follow the instructions 4 upto 11 again. Instruction 11 you choose “**Obtain Automatically an IP address**” and “**Obtain DNS server address automatically**”.



3.0 (UK) Release notes:

Version: EM4594_R0_20181211_Firmware.zip

Technical adjustments:

- Login bug: Login the web-interface without credentials by filling out IP-adres/home.htm is not possible anymore.
- Repeater hidden encryption: WPA/WPA2 encryption selectable for repeater mode.

4.0 (UK) Other information

- Visit our Open Source forum to exchange your experiences with other Eminent users. The Eminent Open Source forum can be typing the following in the address bar of your browser: '<http://opensource.eminent-online.com>'
- Also visit our website for **Frequently Asked Questions**. Go to 'www.eminent-online.com' and search for your product. At '**Support**', you will find the Frequently asked questions if applicable for this item.



Trademarks: all brand names are trademarks and/or registered trademarks of their respective holders.
The information contained in this document has been created with the utmost care. No legal rights can be derived from these contents. Eminent cannot be held responsible, nor liable for the information contained in this document.



Eminent is a member of the Intronic Group