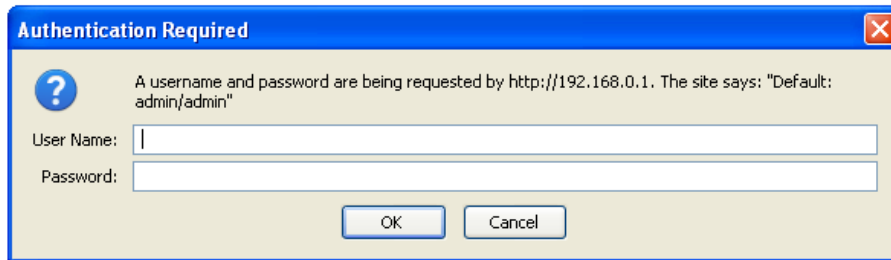
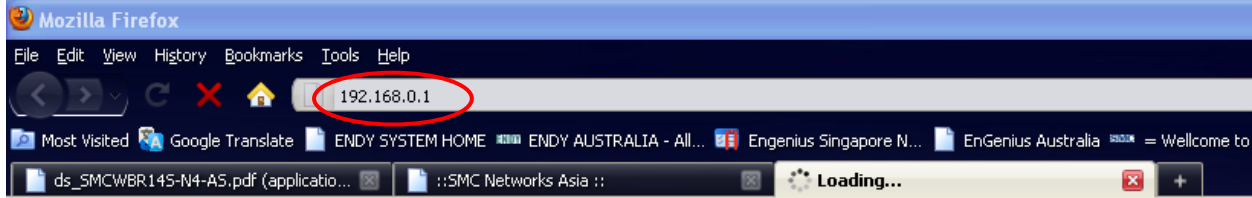


# ESR-6650 3G Wireless Router Firmware Upgrade Guide

## Step 1

Open your Internet Browser and type 192.168.0.1

Then **Username: admin** , **Password: admin**



You will see the status page, and you can see your **Kernel Version** and **Application Version**

A screenshot of the EnGenius ESR6650 3G Wireless Router web interface. The page title is '3G Wireless Router' and it is in 'AP Router Mode'. The 'Status' tab is selected and circled in red. A red arrow points from the 'System' menu item in the left sidebar to the 'System' section of the main content area. The 'System' section displays the following information:

Model	3G Wireless Router
Mode	AP Router
Uptime	6 min 20 sec
Current Date/Time	2009/01/01 00:06:19
Hardware version	1.0.0
Serial Number	09A297337
Kernel version	1.1.3
Application version	1.1.3

The 'Kernel version' and 'Application version' rows are highlighted with a red box. Below this is the 'WAN Settings' section, which shows 'Attain IP Protocol' as 'Dynamic IP Address', 'IP address' as '---', and 'Subnet Mask' as '---'. At the bottom of the page is a navigation bar with icons for 3G, WPS, Antenna Upgradable, HACKER SHIELD, and WEP/TKIP/AES.

# ESR-6650 3G Wireless Router Firmware Upgrade Guide

## Step 2

Then Click on **Tools** and click **Firmware**

The screenshot shows the EnGenius ESR6650 3G Wireless Router web management interface. The 'Tools' menu item is circled in red, and a red arrow points from it to the 'Firmware' menu item, which is also circled in red. The 'Firmware' page shows a password change form and a table for remote management settings.

3G Wireless Router AP Router Mode

Admin Time DDNS Power Diagnosis **Firmware** Back-up Reset

You can change the password that you use to access the router, this is not your ISP account password.

Old Password :

New Password :

Repeat New Password :

Remote management allows the router to be configured from the Internet by a web browser, A username and password is still required to access the Web-Management interface.

Host Address	port	Enable
<input type="text"/>	8080	<input type="checkbox"/>

Apply Cancel

3G WPS Antenna Upgradable HACKER SHIELD WEP TKIP AES

\*From EnGenius official website download the Firmware version 1.1.4 prior to upgrade within the zip file you can find out 2 files

1. ESR-6650-APPS-V1-1-4-325.dlf
2. ESR-6650-KNL-V1-1-4-385.dlf

# ESR-6650 3G Wireless Router Firmware Upgrade Guide

## Step 3

Click on **Tools** and click **Firmware**

The screenshot shows the EnGenius ESR6650 router web interface. The top navigation bar includes 'Admin', 'Time', 'DDNS', 'Power', 'Diagnosis', 'Firmware', 'Back-up', and 'Reset'. The 'Firmware' tab is selected and circled in red. On the left sidebar, 'Tools' is circled in red. The main content area contains a password change form with fields for 'Old Password', 'New Password', and 'Repeat New Password'. Below this is a table for remote management settings:

Host Address	port	Enable
<input type="text"/>	8080	<input type="checkbox"/>

Buttons for 'Apply' and 'Cancel' are located at the bottom right of the form area. At the bottom of the page, there is a row of feature icons: 3G, WPS, Antenna Upgradable, HACKER SHIELD, and WEP TKIP AES.

Then Click on **Browse** and **Select ESR-6650-KNL-V1-1-4-325.dlf** and Click **Apply** for upgrade your **Kernel Firmware**

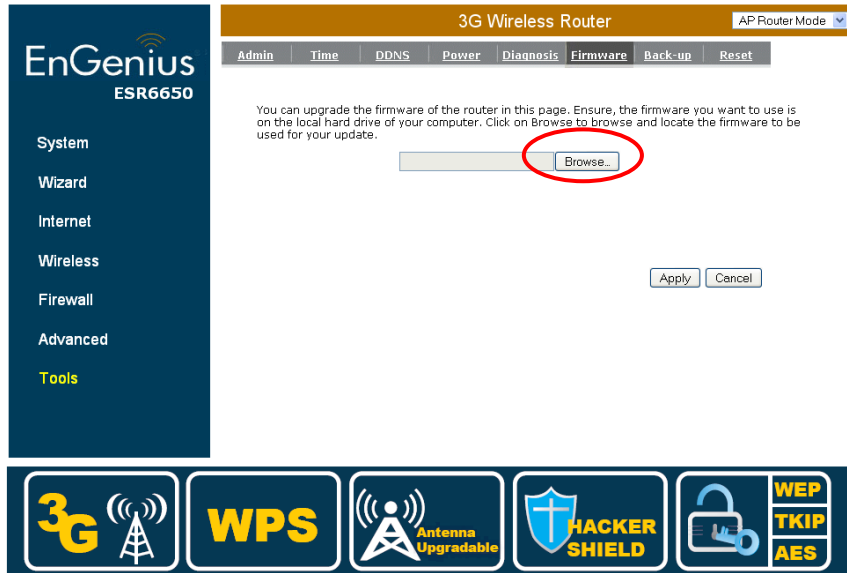
This screenshot shows the same EnGenius ESR6650 router web interface, but now the 'Firmware' tab is selected. The main content area contains instructions for upgrading the firmware and a 'Browse...' button, which is circled in red. The 'Tools' option in the left sidebar is now highlighted in yellow. The 'Apply' and 'Cancel' buttons are visible at the bottom right. The feature icons at the bottom of the page remain the same.

# ESR-6650 3G Wireless Router Firmware Upgrade Guide

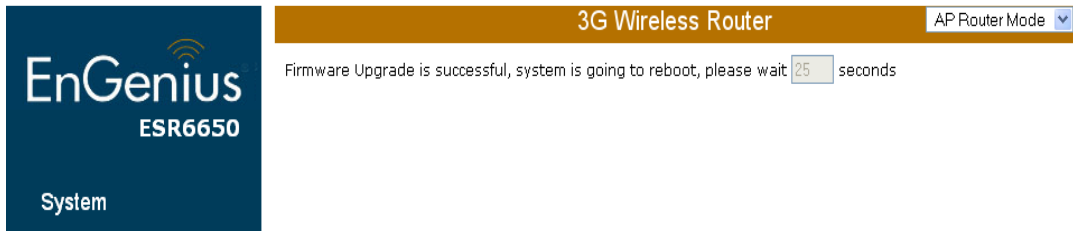
## Step 4

After that, same process as **Step 2 and Step 3**

Then Click on **Browse** and **Select** ESR-6650-APPS-V1-1-4-325.dlf and Click **Apply** for upgrade your **Application Firmware**



After Firmware Upgrade, the router going to reboot by itself



Then automatically go back to the Status page

# ESR-6650 3G Wireless Router Firmware Upgrade Guide

The screenshot shows the 'Status' page of the EnGenius ESR6650 3G Wireless Router. The page title is '3G Wireless Router' and the mode is 'AP Router Mode'. The left sidebar contains navigation options: System, Wizard, Internet, Wireless, Firewall, Advanced, and Tools. The main content area displays system information:

System	
Model	3G Wireless Router
Mode	AP Router
Uptime	22 sec
Current Date/Time	2009/01/01 00:03:44
Hardware version	1.0.0
Serial Number	09A297337
Kernel version	1.1.3
Application version	1.1.4

Below the system information, the 'WAN Settings' section shows:

WAN Settings	
Attain IP Protocol	Dynamic IP Address
IP address	---
Subnet Mask	---

At the bottom of the page, there are several feature icons: 3G, WPS, Antenna Upgradable, HACKER SHIELD, and WEP TKIP AES.

\*Successfully updated the Application firmware.

After Firmware Upgrade, the router will go to reboot by itself, then automatically go back to the Status page again.

And the Firmware is completely upgraded as firmware version 1.1.4 like following

The screenshot shows the 'Status' page of the EnGenius ESR6650 3G Wireless Router after a firmware upgrade. The page title is '3G Wireless Router' and the mode is 'AP Router Mode'. The left sidebar contains navigation options: System, Wizard, Internet, Wireless, Firewall, Advanced, and Tools. The main content area displays system information:

System	
Model	3G Wireless Router
Mode	AP Router
Uptime	23 sec
Current Date/Time	2009/01/01 00:03:18
Hardware version	1.0.0
Serial Number	09A297337
Kernel version	1.1.4
Application version	1.1.4

Below the system information, the 'WAN Settings' section shows:

WAN Settings	
Attain IP Protocol	Dynamic IP Address
IP address	---
Subnet Mask	---

At the bottom of the page, there are several feature icons: 3G, WPS, Antenna Upgradable, HACKER SHIELD, and WEP TKIP AES.