

# Router Firmware Upgrade

## Contents

### Linksys

<a href="#">CHECKING THE FIRMWARE VERSION OF YOUR ROUTER</a> .....	5
<a href="#">DOWNLOADING THE FIRMWARE</a> .....	5
<a href="#">TAKING NOTE OF YOUR CURRENT SETTINGS</a> .....	9
<a href="#">PERFORMING THE UPGRADE</a> .....	9
<a href="#">COMPLETING THE FIRMWARE UPGRADE</a> .....	13

### Valet

<a href="#">CHECKING THE FIRMWARE VERSION OF YOUR ROUTER</a> .....	14
<a href="#">DOWNLOADING THE FIRMWARE</a> .....	15
<a href="#">TAKING NOTE OF YOUR CURRENT SETTINGS</a> .....	18
<a href="#">PERFORMING THE UPGRADE</a> .....	18
<a href="#">COMPLETING THE FIRMWARE UPGRADE</a> .....	21

### Dealing with a Zipped File Format

<a href="#">CHECKING THE FIRMWARE VERSION OF YOUR ROUTER</a> .....	22
<a href="#">DOWNLOADING THE FIRMWARE</a> .....	22
<a href="#">TAKING NOTE OF YOUR CURRENT SETTINGS</a> .....	26
<a href="#">PERFORMING THE UPGRADE</a> .....	26
<a href="#">COMPLETING THE FIRMWARE UPGRADE</a> .....	30

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Firmware updates are regularly posted on the Cisco website. These updates may include bug fixes and functionality enhancements to the router. If you are experiencing problems with your router, you may upgrade or re-flash the firmware to fix them.

**IMPORTANT:** Before proceeding with the upgrade, your computer must have an active Internet connection. It is strongly recommended that you use a wired computer when upgrading the router's firmware.

It is also important for you to determine the model number of your router to identify which set of instructions will be suitable for your concern. For instructions on getting your router's model number, click [here](#). Below is the list of wired and wireless routers with their corresponding firmware file format:

Model Number	Product Description	Format	Section
BEFSR11	EtherFast® Cable/DSL Router	.bin	<a href="#">Linksys</a>

BEFSR41	EtherFast® Cable/DSL Router with 4-Port Switch	v4.3 - .zip v4.2 - .bin v4.1 - .bin v4.0 - .bin v3.0 - .bin v2.0 - .bin v1.0 - .bin	<a href="#">Dealing with a Zipped File Format</a>  <a href="#">Linksys</a>
BEFSR41W	EtherFast® Cable/DSL Wireless Ready Router with 4-port Switch	.zip	<a href="#">Dealing with a Zipped File Format</a>
BEFSR81	EtherFast® Cable/DSL Router with 8-Port Switch	.bin	<a href="#">Linksys</a>
BEFSRU31	EtherFast® Cable/DSL Router with USB and 3-Port Switch	.bin	<a href="#">Linksys</a>
BEFSX41	Instant Broadband EtherFast® Cable/DSL Firewall Router with 4 Port-Switch/VPN EndPoint	.bin	<a href="#">Linksys</a>
BEFVP41	EtherFast® Cable/DSL vPN Router with 4 Port 10/100 Switch	v2.1 - .bin v2.0 - .bin v1.0 - .zip	<a href="#">Linksys</a>  <a href="#">Dealing with a Zipped File Format</a>
BEFW11P1	EtherFast® Wireless AP + Cable/DSL Router w/PrintServer	.zip	<a href="#">Dealing with a Zipped File Format</a>
BEFW11S4	Wireless-B Broadband Router	v4.0 - .bin v3.2 - .bin v3.0 - .bin v2.0 - .bin v1.0 - .zip	<a href="#">Linksys</a>  <a href="#">Dealing with a Zipped File Format</a>
E1000	Wireless-N Router	.bin	<a href="#">Linksys</a>
E1200	Wireless-N Router	.bin	<a href="#">Linksys</a>
E1500	Wireless-N Router with SpeedBoost	.bin	<a href="#">Linksys</a>
E2000	Advanced Wireless-N Router	.bin	<a href="#">Linksys</a>
E2100L	Advanced Wireless-N Router	.bin	<a href="#">Linksys</a>
E2500	Advanced Dual-Band N Router	.bin	<a href="#">Linksys</a>
E3000	High Performance Wireless-N Router	.bin	<a href="#">Linksys</a>
E3200	High Performance Dual-Band N Router	.bin	<a href="#">Linksys</a>
E4200	Maximum Performance Wireless-N	.bin	<a href="#">Linksys</a>
EFROU44	EtherFast® 4-Port 10/100 Analog Router	No Firmware download available	
HR200	Home Wireless-G Router	No Firmware download available	
M10	Valet	.bin	<a href="#">Valet</a>
M20	Valet Plus	.bin	<a href="#">Valet</a>
RT042	Broadband Router with QoS	.rmt	<a href="#">Linksys</a>

RT41-BU	Wired Broadband Router	.bin	<a href="#">Linksys</a>
WMR200N	MoCA Router (WMR200N)	.bin	<a href="#">Linksys</a>
WRH54G	Wireless-G Home Router	.zip	<a href="#">Dealing with a Zipped File Format</a>
WRK54G	Wireless-G Broadband Router	.bin	<a href="#">Linksys</a>
WRT100	RangePlus Wireless Router	.bin	<a href="#">Linksys</a>
WRT110	RangePlus Wireless Router	.bin	<a href="#">Linksys</a>
WRT120N	Wireless-N Home Router	.bin	<a href="#">Linksys</a>
WRT150N	Wireless-N Home Router	v1.0 - .bin v1.1 - .zip	<a href="#">Linksys</a> <a href="#">Dealing with a Zipped File Format</a>
WRT160N	Ultra RangePlus Wireless-N Broadband Router	.bin	<a href="#">Linksys</a>
WRT160NL	Wireless-N Broadband Router with Storage Link	.bin	<a href="#">Linksys</a>
WRT300N	Wireless-N Broadband Router	.bin	<a href="#">Linksys</a>
WRT310N	Wireless-N Gigabit Router	.bin	<a href="#">Linksys</a>
WRT320N	Dual-Band Wireless-N Gigabit Router	.bin	<a href="#">Linksys</a>
WRT330N	Wireless-N Gigabit Gaming Router	.bin	<a href="#">Linksys</a>
WRT350N	Wireless-N Gigabit Router with Storage Link	v1 - .bin v2 - .zip	<a href="#">Linksys</a> <a href="#">Dealing with a Zipped File Format</a>
WRT400N	Simultaneous Dual-Band Wireless-N	.bin	<a href="#">Linksys</a>
WRT51AB	Dual-Band Wireless A+B Broadband	No Firmware download available	
WRT54AG	Dual-Band Wireless A/G Broadband Router	.trx	<a href="#">Linksys</a>
WRT54G	Wireless-G Broadband Router	v1.0 - .zip v1.1 - .zip v2.0 - .zip v2.2 - .zip v3.0 - .zip v3.1 - .zip v4.0 - .zip v5.0 - .bin v6.0 - .bin v8.0 - .bin v8.1 - .bin v8.2 - .bin	<a href="#">Dealing with a Zipped File Format</a>  <a href="#">Linksys</a>
WRT54G2	Wireless-G Broadband Router	.bin	<a href="#">Linksys</a>
WRT54G3G	Wireless-G Broadband Router	No Firmware download available	
WRT54G3G-AT	Wireless-G Router for 3G/UMTS Broadband	.bin	<a href="#">Linksys</a>
WRT54G3G-ST	Wireless-G Router for 3G/UMTS Broadband	.bin	<a href="#">Linksys</a>

WRT54G3Gv2-ST	Wireless-G Router for 3G/UMTS Broadband	.bin	<a href="#">Linksys</a>
WRT54G3Gv2-vF	Wireless-G Router for Mobile	No Firmware download available	
WRT54G3G-vN	Wireless-G Router for 3G/UMTS Broadband	.bin	<a href="#">Linksys</a>
WRT54GC	Wireless-G Router for 3G/UMTS Broadband	.zip	<a href="#">Dealing with a Zipped File Format</a>
WRT54GH	Wireless-G Broadband Router with SRX400	No Firmware download available	
WRT54GL	Compact Wireless-G Broadband Router	v1.0 - .zip v1.1 - .bin	<a href="#">Dealing with a Zipped File Format</a>  <a href="#">Linksys</a>
WRT54GR	Wireless-G Broadband Router with 2 Phone Ports	.bin	<a href="#">Linksys</a>
WRT54GS	Wireless-G Broadband Router with RangeBooster™	.bin	<a href="#">Linksys</a>
WRT54GS2	Wireless-G Broadband Router with SpeedBooster™	.bin	<a href="#">Linksys</a>
WRT54GX	Wireless-G Broadband Router with SpeedBooster™	.bix	<a href="#">Linksys</a>
WRT54GX2	Wireless-G Broadband Router with SRX	.bix	<a href="#">Linksys</a>
WRT54GX4	Wireless-G Broadband Router with SRX200	.bix	<a href="#">Linksys</a>
WRT55AG	Wireless-G Home Router with SpeedBurst	v1.0 - .zip v2.0 - .fim	<a href="#">Dealing with a Zipped File Format</a> <a href="#">Linksys</a>
WRT600N	Dual Band Wireless A+G BroadBand Router	.bin	<a href="#">Linksys</a>
WRT610N	Dual-Band Wireless-N Gigabit Router with Storage Link	.bin	<a href="#">Linksys</a>
WRTSL54GS	Wireless-G Broadband Router with 2 Phone Ports	.bin	<a href="#">Linksys</a>
WRTU54G-TM	Wireless-G Media Storage Link Router with 2 Phone Ports	.bin	<a href="#">Linksys</a>
WTR54GS	Wireless Signal Booster	.zip	<a href="#">Dealing with a Zipped File Format</a>

## LINKSYS



### Checking the firmware version of your router

#### Step 1:

Access the router's web-based setup page. To do this, launch a web browser such as **Internet Explorer** or **Safari**. Enter your router's **IP Address** on the address bar, then press **[Enter]**. When the login prompt appears, enter your router's **User name** and **Password**.

**NOTE:** The default IP Address of Linksys routers is "192.168.1.1". For instructions on how to check the IP address of your router, click [here](#).

**IMPORTANT:** The default User name and Password is "admin" but if you have used Cisco Connect to set up your router, you may have to open the software to retrieve them. To retrieve your router User name and Password through Cisco Connect, go to **Router Settings > Advanced Settings**.

#### Step 2:

On the router's **Setup** page, check the upper right corner of the screen for the firmware version.

This is the router's current **Firmware Version**.

Firmware Version: 1.0.00

Linksys E4200 E4200

Wireless Security Storage Access Restrictions Applications & Gaming Administration Status

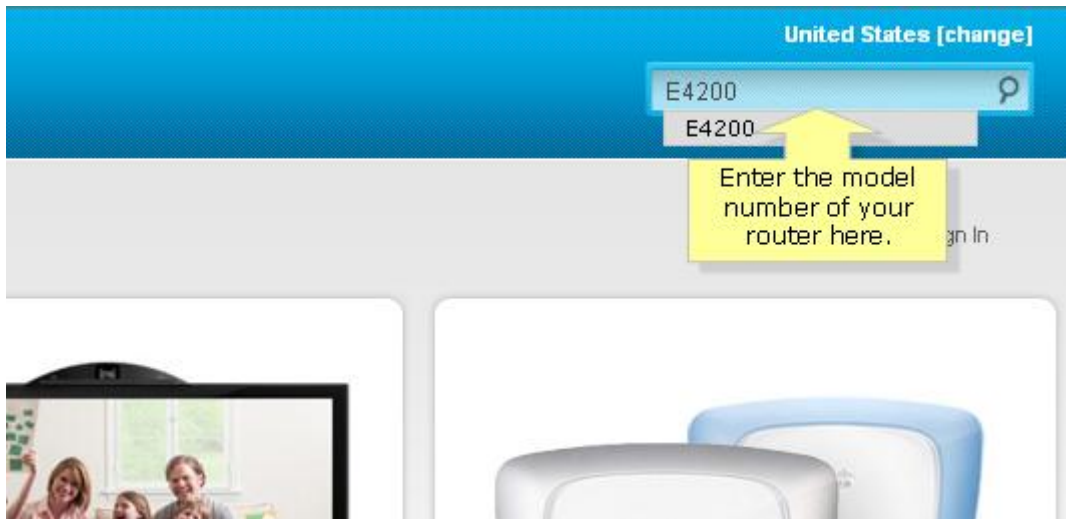
### Downloading the firmware

**Step 1:**

Go to the [Cisco HomeSupport](#) page.

**Step 2:**

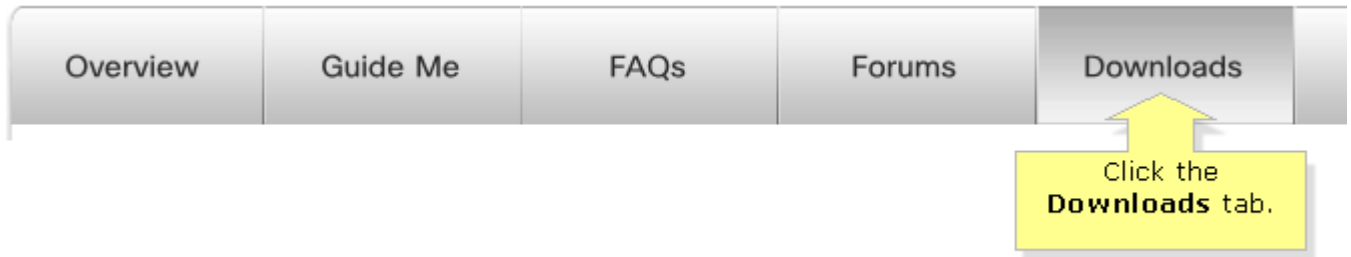
In the **Search Support** box, enter the model number of your router then press **[Enter]**. For instructions on getting your router's model number, click [here](#).



**NOTE:** In this example, we used the E4200.

**Step 3:**

Once the page opens, click the **Downloads** tab.



**Step 4:**

Click the drop-down arrow and select the correct version of your router. To learn how to check the hardware version, click [here](#).

### Downloads

Please ensure you select the correct hardware version as not all downloads are compatible with your device.

Free Software notice for certain products, click [here](#).

Version 1.0  
Select Hardware Version  
Version 1.0  
License Agreement

Click the drop-down arrow and select your hardware version.

#### Step 5:

Click **Download** under **Firmware** to download the latest firmware of your router.

**NOTE:** If the current firmware version of your router matches the one found online, upgrading is not necessary.

#### Firmware

03/07/2011

Ver.1.0.01 (Build 10)



[Download](#) 9.11 MB

(Firmware)

[Release Notes](#)

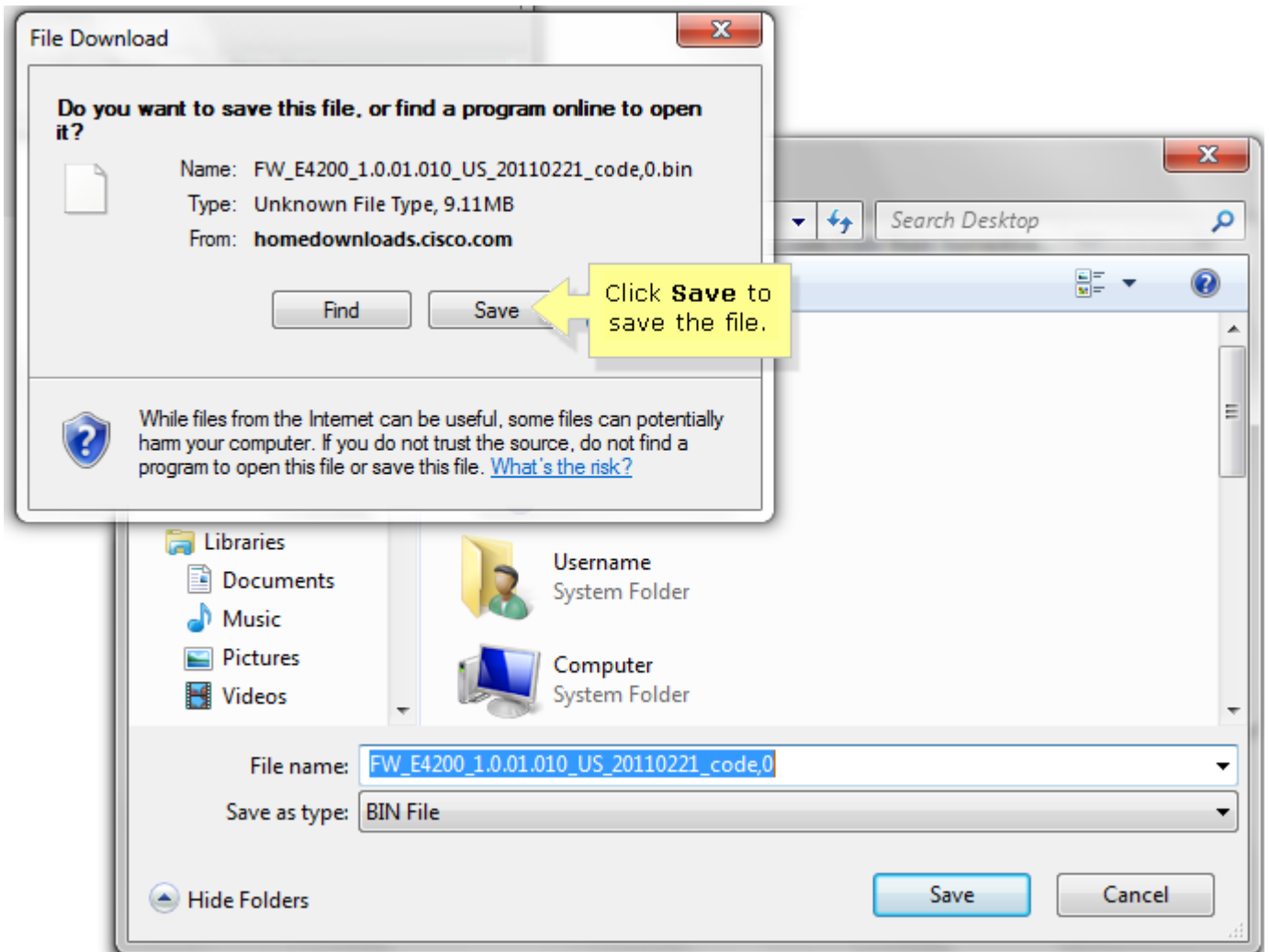
Click **Download.**

#### Guides and Information

-  [Data Sheet \(English\)](#)
-  [Cisco Connect User Guide \(English\)](#)
-  [User Guide \(English\)](#)

#### Step 6:

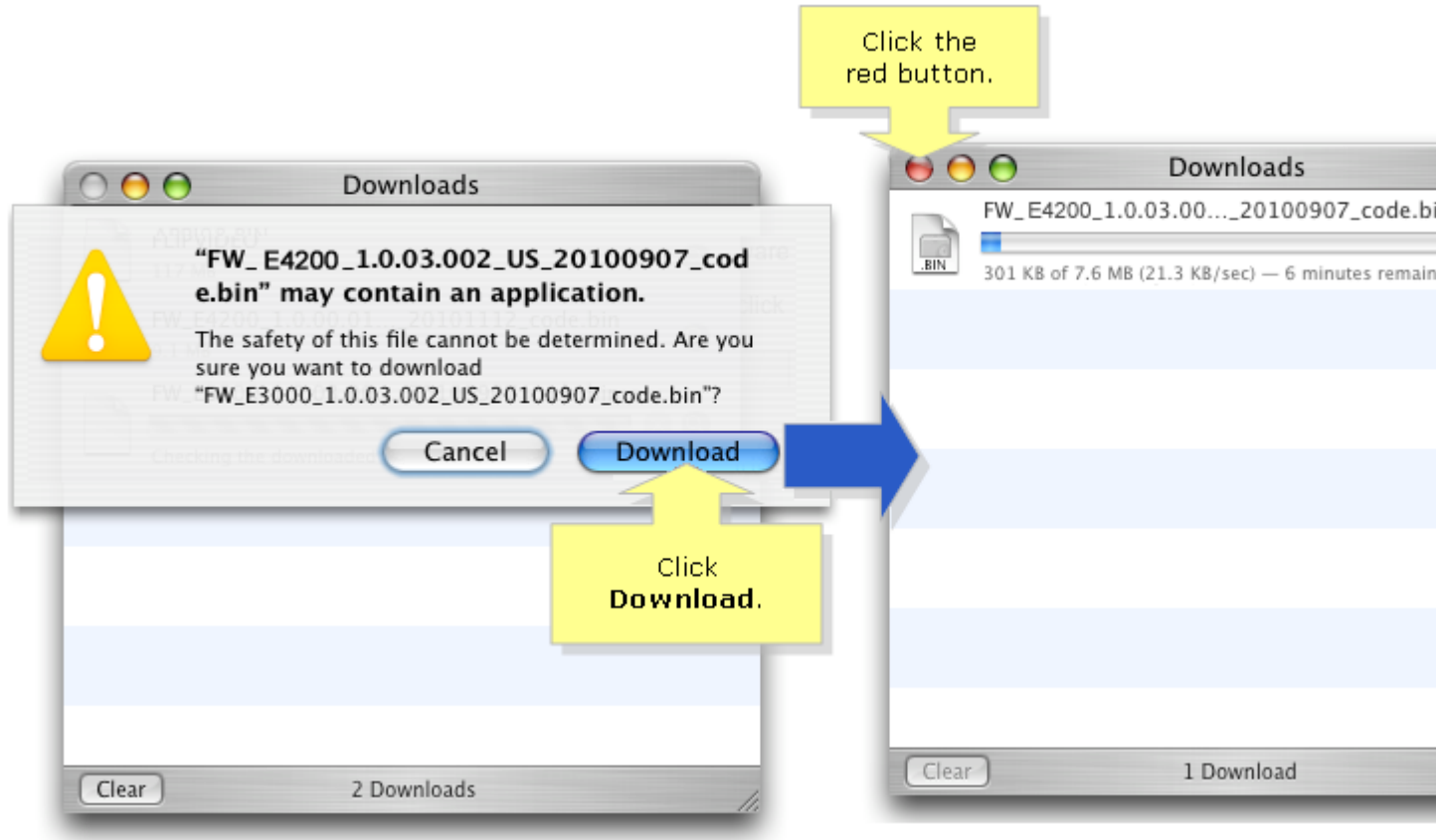
Click **Save** in the **File Download** dialog box that appears, choose an accessible directory such as the **Desktop** and click **Save**. Once the download is complete, click **Close**, if prompted.



**NOTE:** Image may vary depending on the operating system of your computer.

If you're using a Mac computer, click **Download** in the dialogue box that appears. When the download has been completed, click the **red button** to close the window.





The name of the file may vary depending on the firmware file of your router.

### Taking note of your current settings

After upgrading the router's firmware, a reset needs to be done which will require you to reconfigure your settings from scratch. Be sure to note down important settings before resetting the router and use it as basis for reconfiguring the router later.

**NOTE:** You can use the back-up and restore configuration feature of your router before resetting so as not to go through the whole process of reconfiguration. However, firmware upgrades sometimes include added functionalities which might mess up the settings once restored from a backup. In case this happens, you might have to manually reconfigure the router.

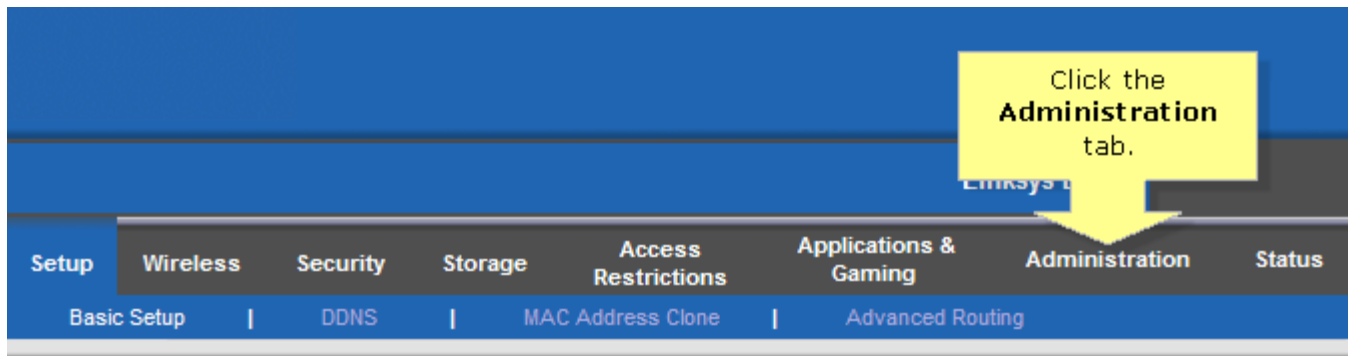
### Performing the Upgrade

**Step 1:**

Access the router's web-based setup page.

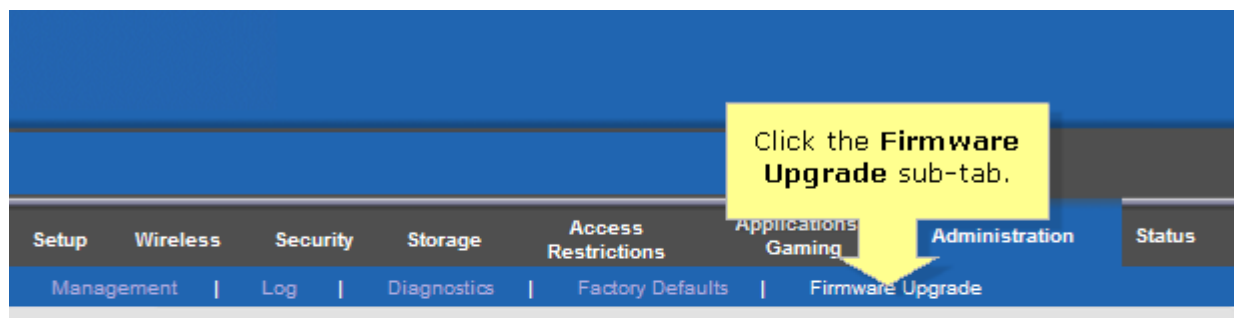
**Step 2:**

Click the **Administration** tab.



**Step 3:**

Click the **Firmware Upgrade** sub-tab then click the **Browse** button.



Please select a file to Upgrade:

Click the **Browse** button.

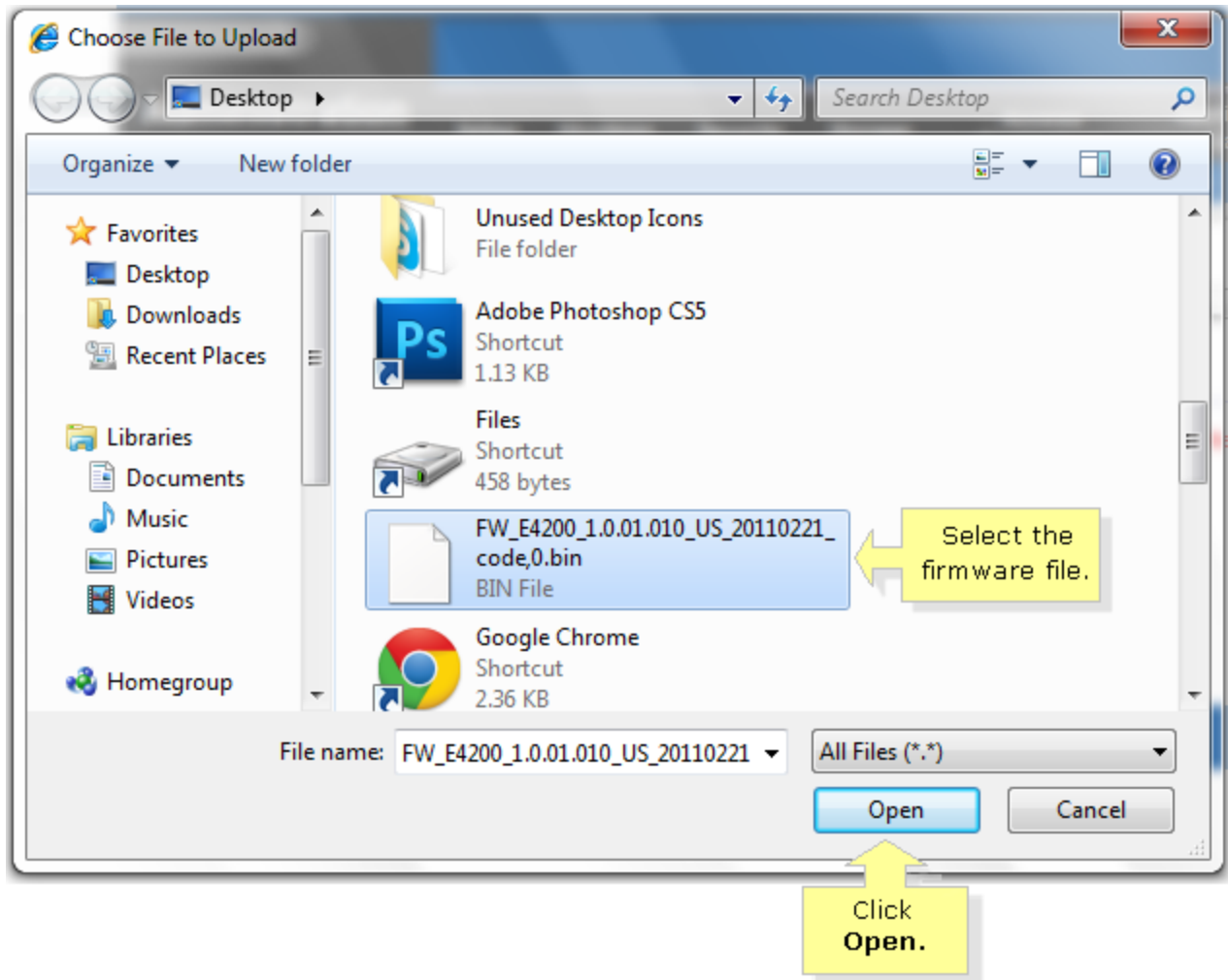
*Warning: Upgrading firmware may take a few minutes.*

**Firmware Upgrade**

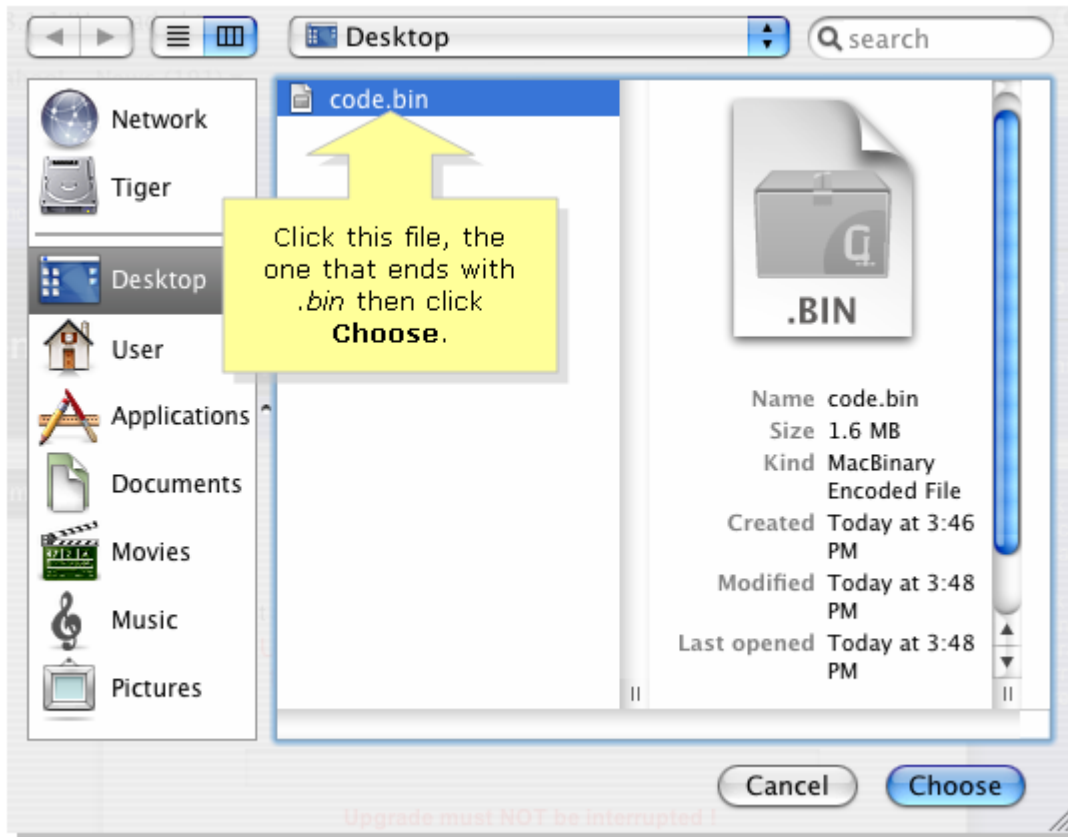
Firmware can be upgraded by clicking the *Start Upgrade* button after browsing for the firmware, which you can download from the Linksys

**Step 4:**

Locate the firmware then click **Open**.

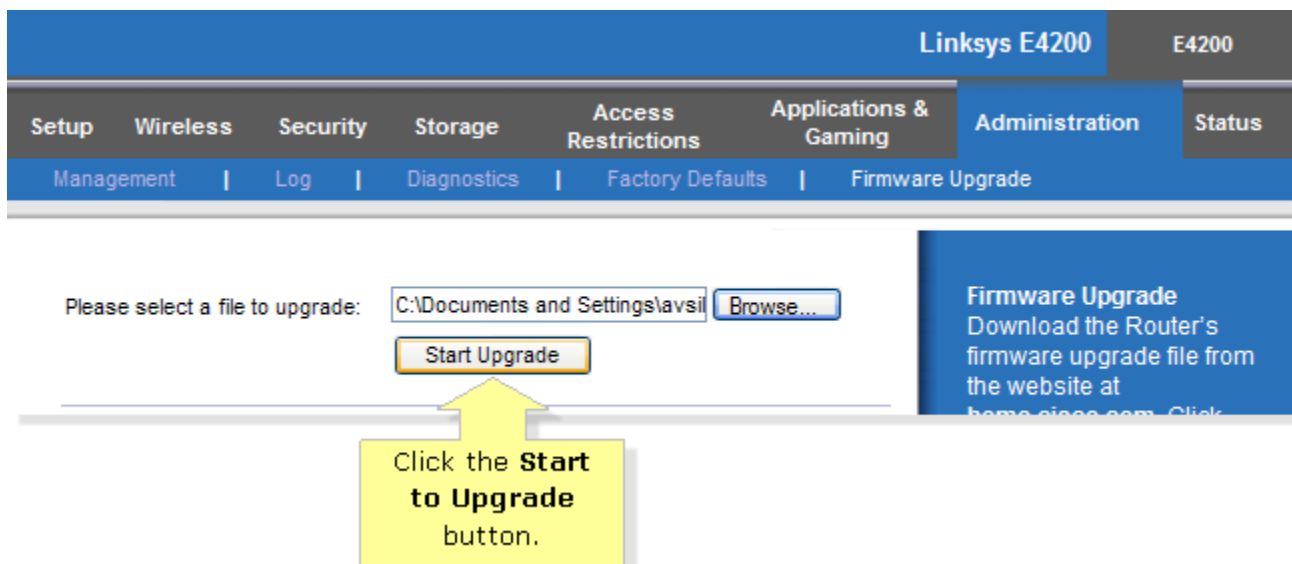


Refer to the following image for Mac OS:



**Step 5:**

Click the **Start Upgrade** button.



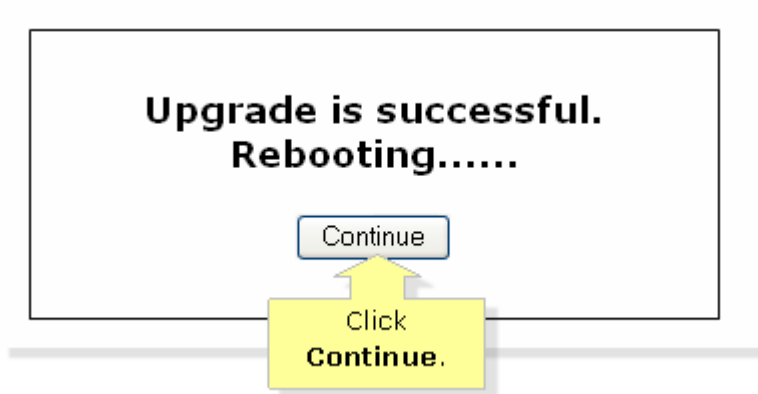
**Warning:** Upgrading firmware may take a few minutes; please don't turn off the power or press the reset button.



**Upgrade must NOT be interrupted!!**

**Step 6:**

Once the upgrade is complete, the following message will appear. Click on **Continue**.



**Completing the firmware upgrade**

**Step 1:**

Close **Internet Explorer** or **Safari**.

**Step 2:**

Press and hold the **Reset** button of your router for **10** seconds.



**NOTE:** If the image of your router is different from the one shown above, consult your router documentation for the location of the reset button. For older routers (WRT series), you may need to hold the reset button up to **30** seconds or until the power LED blinks.

**Step 3:**

Powercycle the router. To do this, unplug the power cord and wait **10** seconds before plugging it back in.

The firmware upgrade process is now complete.

## VALET



### Checking the firmware version of your router

#### Step 1:

Access the Hotspot's web-based setup page. To do this, launch a web browser such as **Internet Explorer** or **Safari**. Enter your hotspot's **IP Address** on the address bar, then press **[Enter]**. Once the login prompt appears, enter your router's **User name** and **Password**.

**NOTE:** The default IP Address of Linksys routers is "192.168.1.1". To view instructions on how to check the IP address of your router, click [here](#).

**IMPORTANT:** The default User name and Password is "admin" but if you have used Cisco Connect to set up your router, you may have to open the software to retrieve them. To retrieve your router User name and Password through Cisco Connect, go to **Valet Settings > Advanced Settings**.

#### Step 2:

Once you have the setup page open, check the upper right corner of the screen for the firmware version.

This is the router's current **Firmware Version**.

Firmware Version: v1.0.00						
Cisco M10					M10	
Setup	Wireless	Security	Access Restrictions	Applications & Gaming	Administration	Status
Basic Setup	DDNS	MAC Address Clone	Advanced Routing			

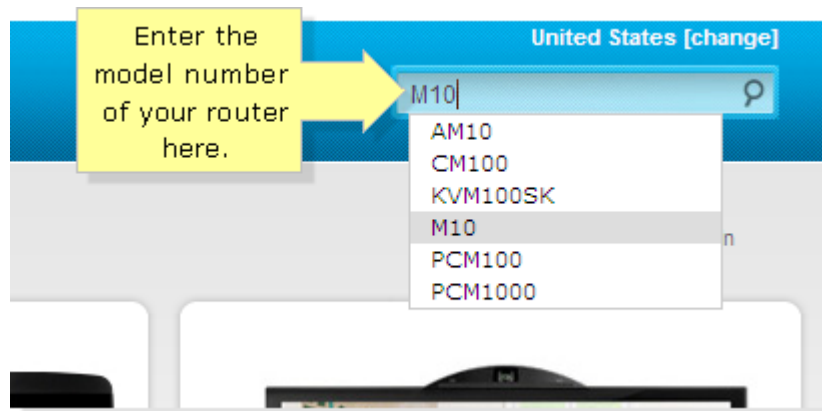
## Downloading the firmware

### Step 1:

Go to the [Cisco HomeSupport](#) page.

### Step 2:

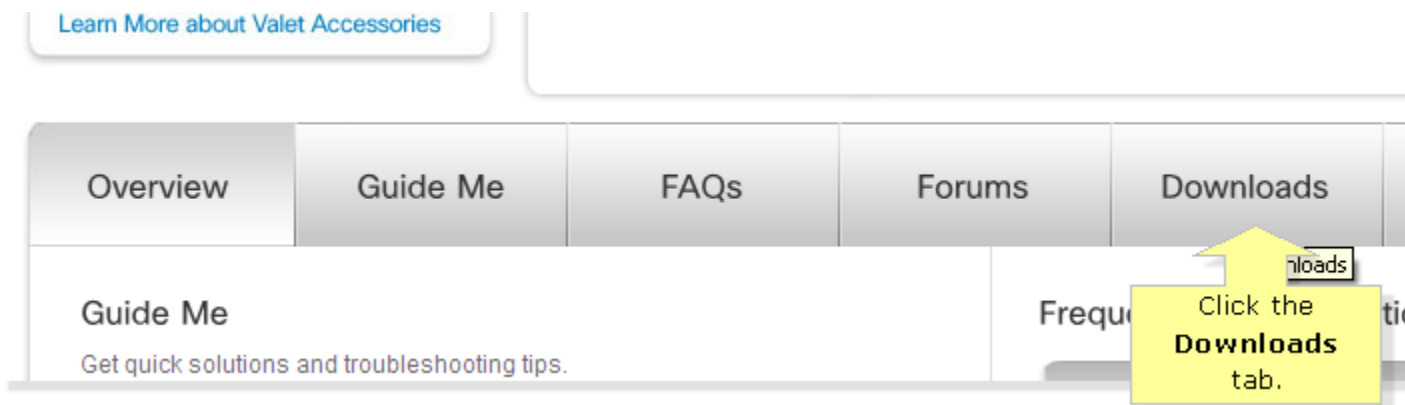
In the **Search Support** box, enter the model number of your hotspot then press **[Enter]**. For instructions on getting your hotspot's model number, click [here](#).



**NOTE:** In this example, we used the M10 Valet Hotspot.

### Step 3:

Once the page opens, click the **Downloads** tab.



### Step 4:

Click the drop-down arrow and select the correct version of your hotspot. To learn how to check the hardware version, click [here](#).

Overview    Guide Me    FAQs    Forums    Downloads

### Downloads

Please ensure you select the correct hardware version as not all downloads are compatible with your device.

Free Software notice for certain products, click [here](#).

Select Hardware Version ▼ [Where's my model number](#)

- Select Hardware Version
- Version 2.0
- Version 1.0

Click the drop-down arrow then select the **Hardware Version**.

**Step 5:**

Click **Download** under **Firmware** to download the latest firmware of your hotspot.

Firmware

01/14/2011

Ver.2.0.03 (build 4)

[Download](#)

(Firmware)

[Release Notes](#)

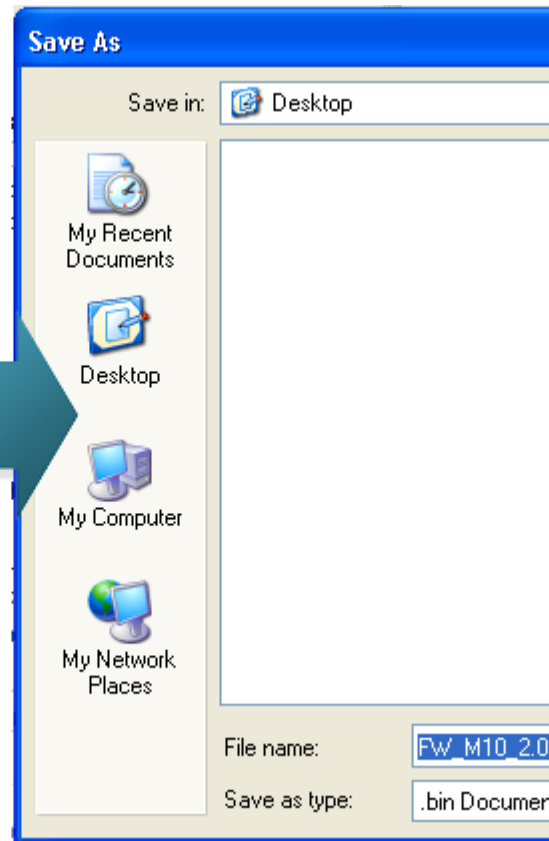
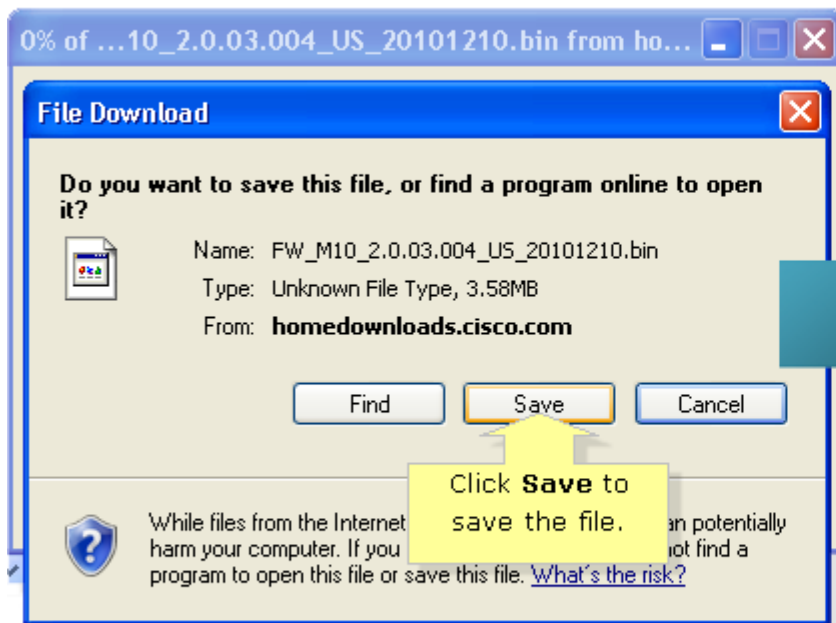
Click **Download**.

**NOTE:** If the current firmware version of your hotspot matches the one found online, upgrading is not necessary.

**Step 6:**

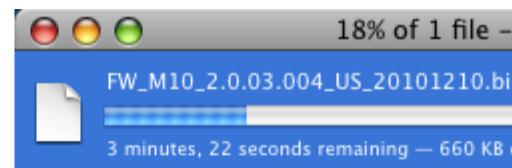
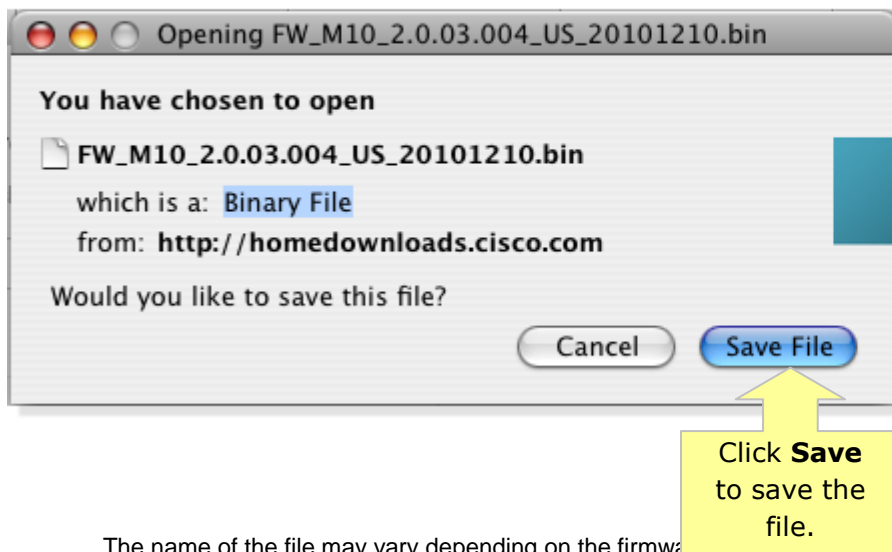
Click **Save** in the **File Download** dialog box that appears, choose an accessible directory such as the **Desktop** and click **Save**. Once the download is complete, click **Close**, if prompted.





**NOTE:** Image may vary depending on the operating system of your computer.

If you're using a Mac computer, click **Download** in the dialogue box that appears. Once the download has been completed, click the red button to close the window.



The name of the file may vary depending on the firmwa

### Taking note of your current settings

After upgrading the hotspot's firmware, a reset needs to be done which will require you to reconfigure your settings from scratch. Be sure to note down important settings before resetting the hotspot and use it as basis for reconfiguring the router later.

**NOTE:** You can use the back-up and restore configuration feature of your hotspot before resetting so as not to go through the whole process of reconfiguration. However, firmware upgrades sometimes include added functionalities which might mess up the settings once restored from a backup. In case this happens, you might have to manually reconfigure the hotspot.

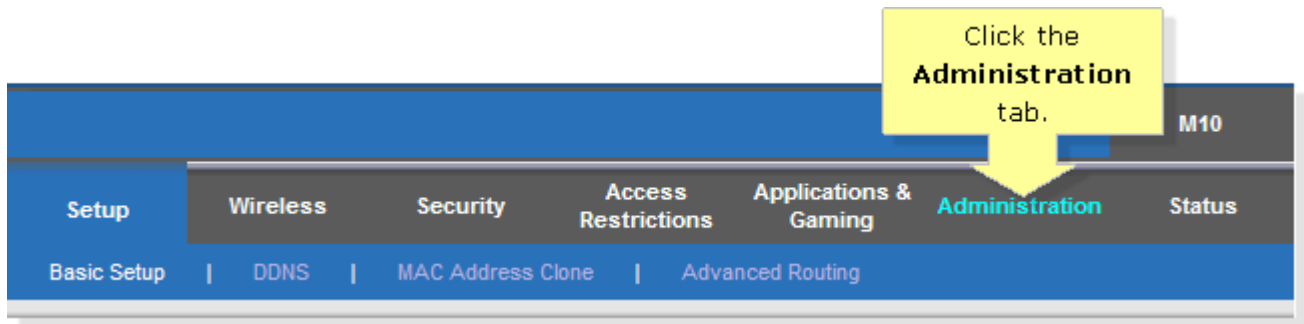
### Performing the Upgrade

**Step 1:**

Access the hotspot's web-based setup page.

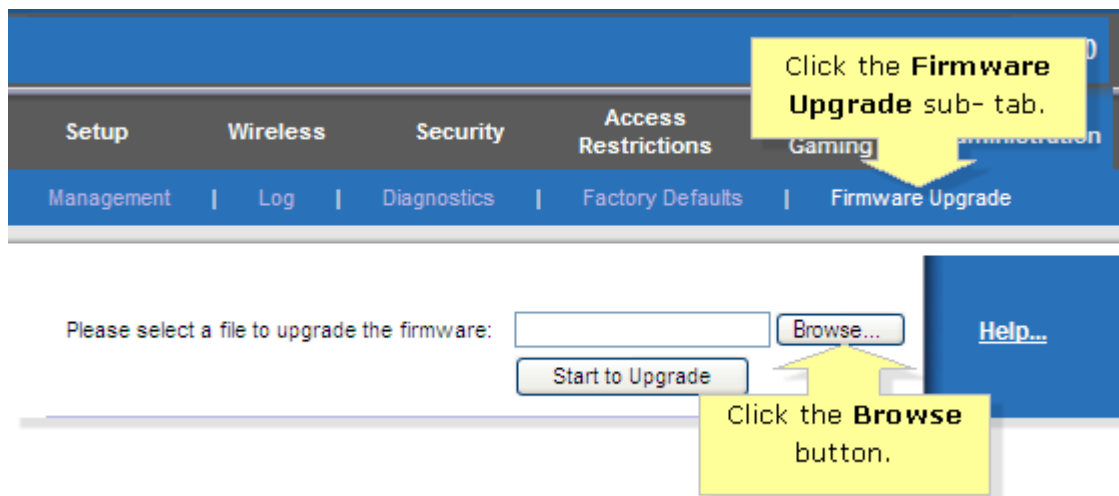
**Step 2:**

Click the **Administration** tab.



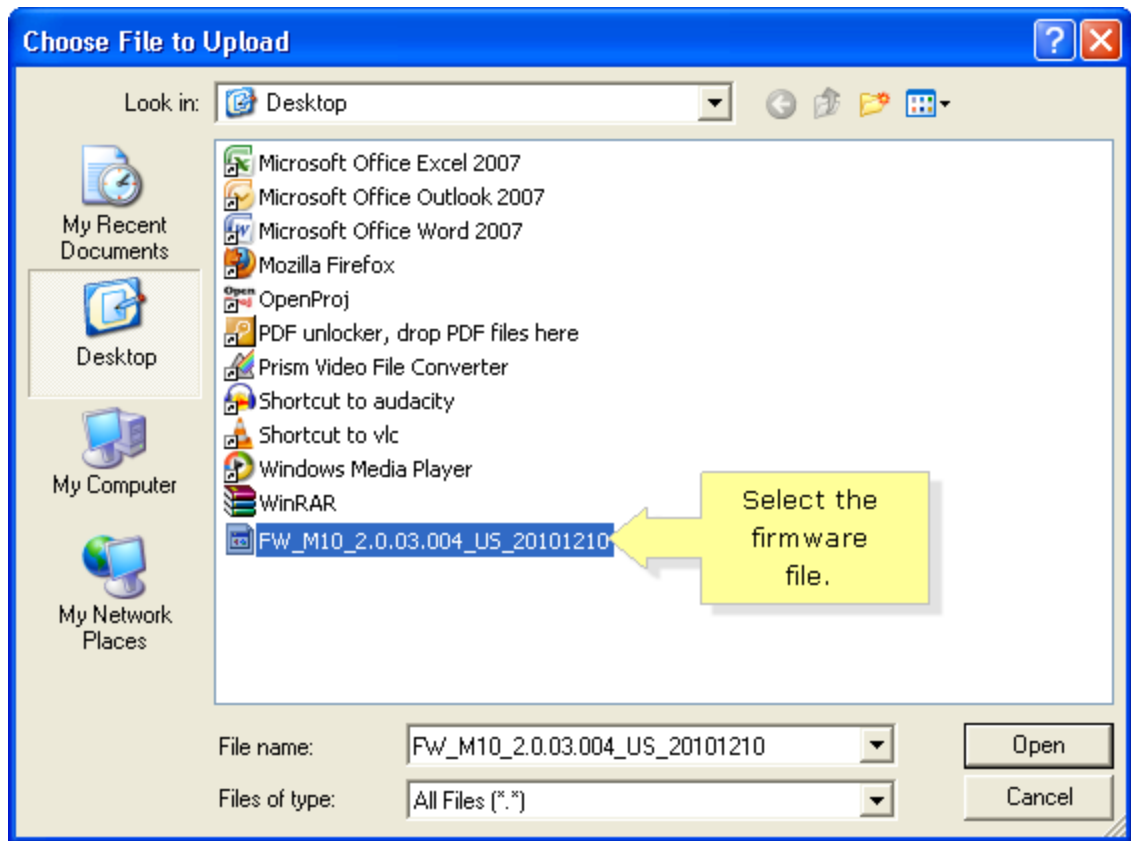
**Step 3:**

Click the **Firmware Upgrade** sub-tab then click the **Browse** button.

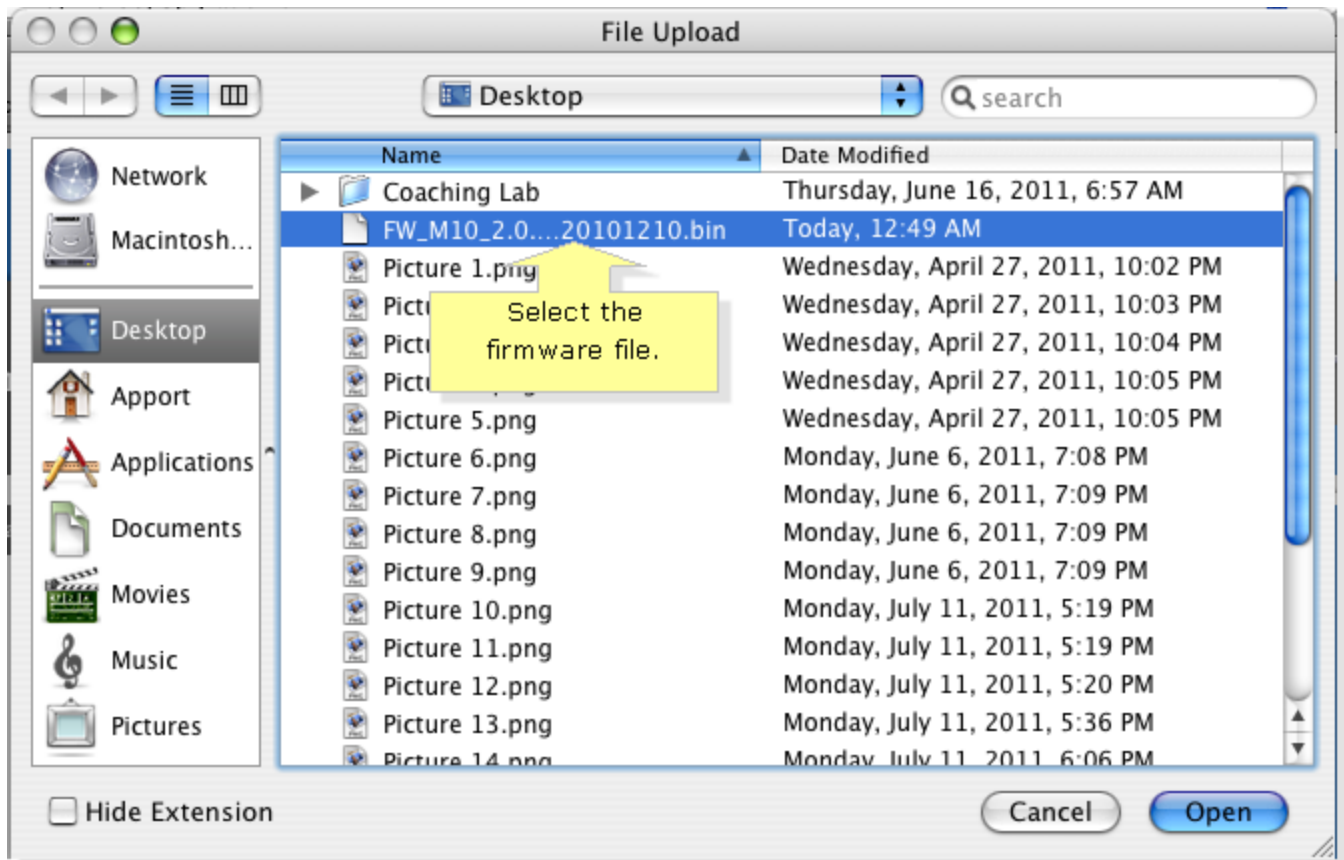


**Step 4:**

Locate the firmware then click **Open**.

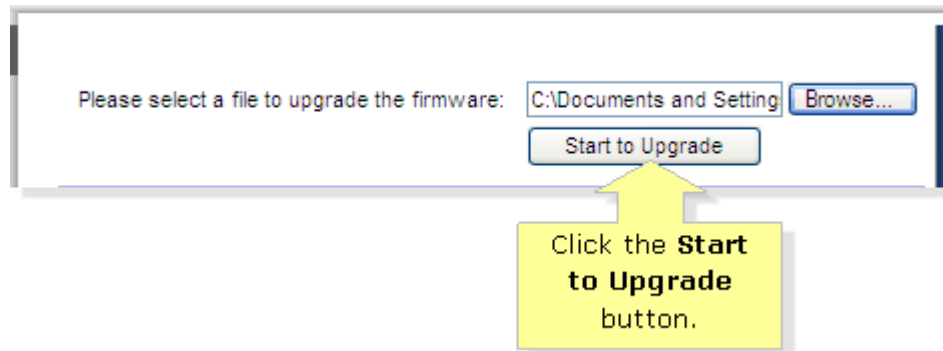


Refer to the following image for Mac OS:



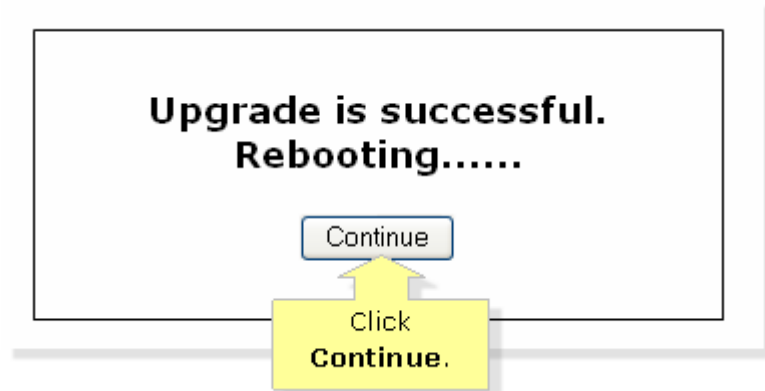
**Step 5:**

Click the **Start Upgrade** button.



**Step 6:**

Once the upgrade is complete, the following message will appear. Click on **Continue**.



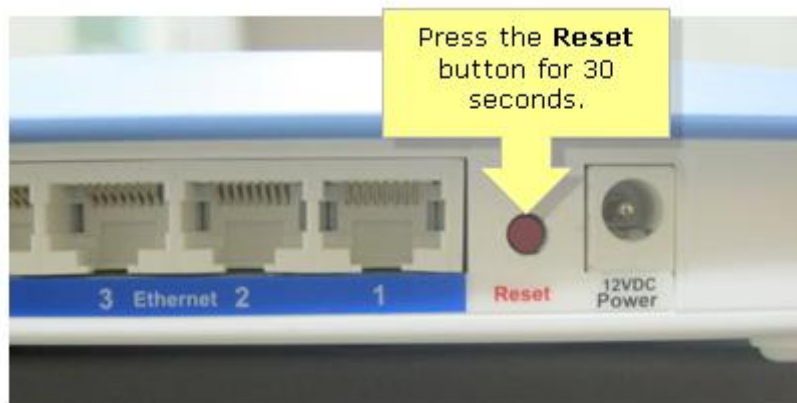
### Completing the firmware upgrade

**Step 1:**

Close **Internet Explorer** or **Safari**.

**Step 2:**

Press and hold the **Reset** button of your hotspot for **30** seconds.



**Step 3:**

Powercycle the hotspot. To do this, unplug the power cord and wait **30** seconds before plugging it back in.

The firmware upgrade process is now complete.

### DEALING WITH A ZIPPED FILE FORMAT

For older Linksys routers, the downloadable firmware format is usually in a zipped file form.



## Checking the firmware version of your router

### Step 1:

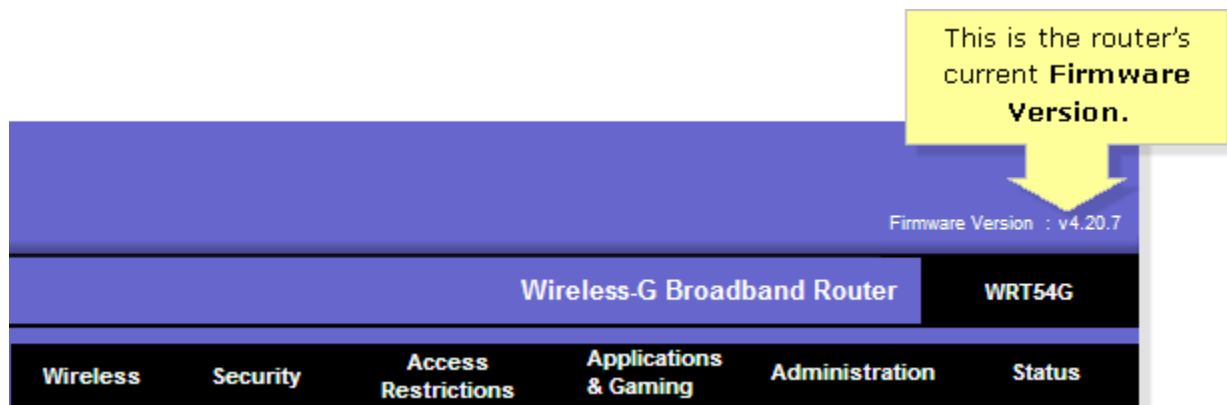
Access the router's web-based setup page. To do this, launch a web browser such as **Internet Explorer** or **Safari**. Enter your router's **IP Address** on the address bar, then press **[Enter]**. When the login prompt appears, enter your router's **User name** and **Password**.

**NOTE:** The default IP Address of Linksys routers is "192.168.1.1". To view instructions on how to check the IP address of your router, click [here](#).

**IMPORTANT:** The default User name and Password is "admin".

### Step 2:

On the router's web-based setup page, check the upper right corner of the screen for the firmware version.



**NOTE:** The web-based setup page may look different depending on the model of your router.

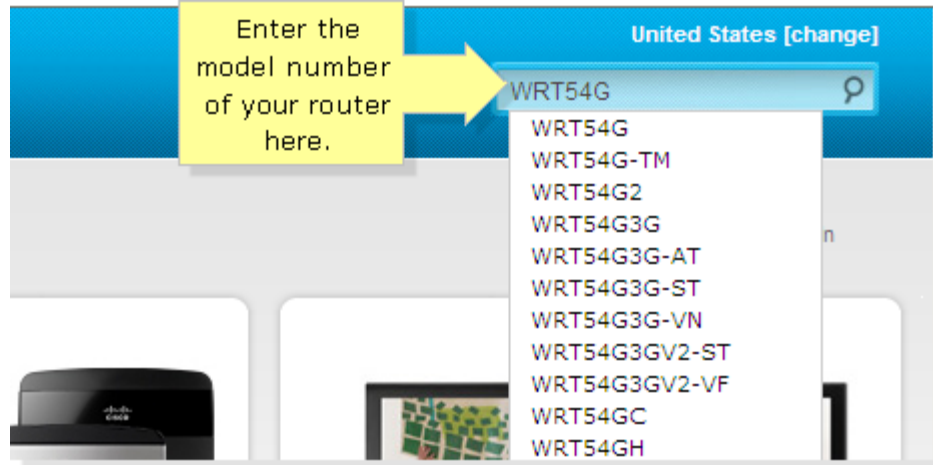
## Downloading the firmware

### Step 1:

Go to the [Cisco HomeSupport](#) page.

### Step 2:

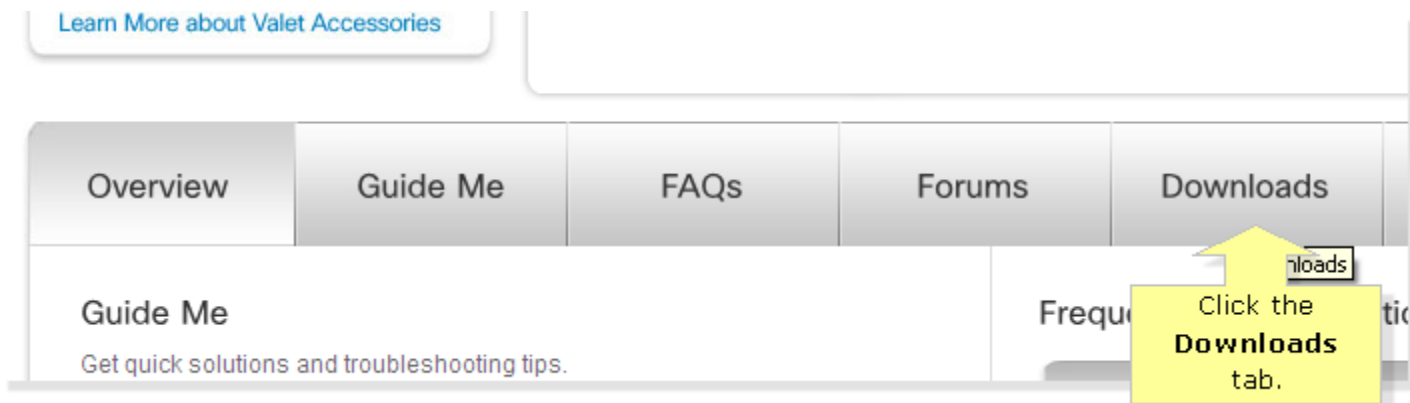
In the **Search Support** box, enter the model number of your router then press **[Enter]**. For instructions on getting your router's model number, click [here](#).



**NOTE:** In this example, we used the WRT54G.

**Step 3:**

Once the page opens, click the **Downloads** tab.



**Step 4:**

Click the drop-down arrow and select the correct version of your router. To learn how to check the hardware version, click [here](#).

### Downloads

Please ensure you select the correct hardware version as not all downloads are compatible with your device.

Free Software notice for certain products, click [here](#).

Select Hardware Version  [Where's my model number](#)

- Select Hardware Version
- Version 8.2
- Version 8.1
- Version 8.0
- Version 6.0
- Version 5.0
- Version 4.0**
- Version 3.1
- Version 3.0
- Version 2.2
- Version 2.0
- Version 1.1
- Version 1.0

Click the drop-down arrow then select the **Hardware Version**.

**Step 5:**

Click **Download** under **Firmware** to download the latest firmware of your router.

**NOTE:** If the current firmware version of your router matches the one found online, upgrading is not necessary.

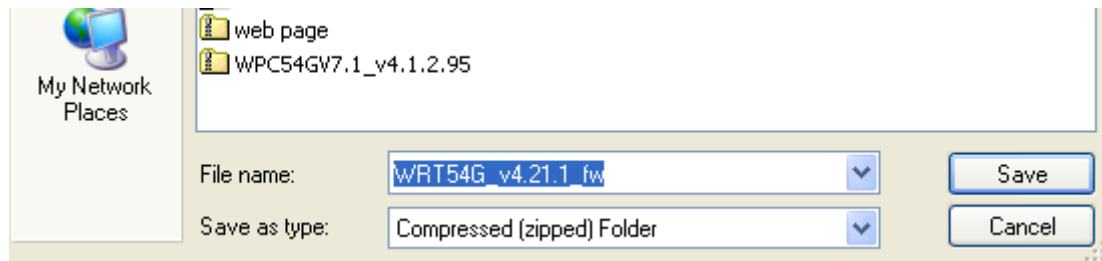
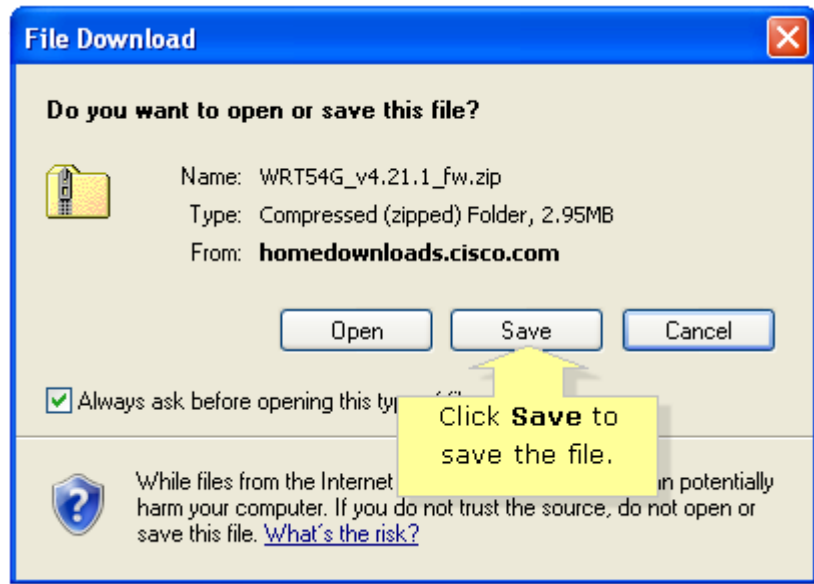
**Firmware Upgrade Instructions**  
03/17/2010  
[Download](#)   
(Firmware Upgrade Instructions)

**Firmware**  
10/17/2005  
Ver.4.21.1  
[Download 2.95 MB](#)  
(Firmware)  
[Release Notes](#)

**Step 6:**

Click **Save** in the **File Download** dialog box that appears, choose an accessible directory such as the **Desktop** and click **Save**. Once the download is complete, click **Close**, if prompted.





**NOTE:** Image may vary depending on the operating system of your computer.

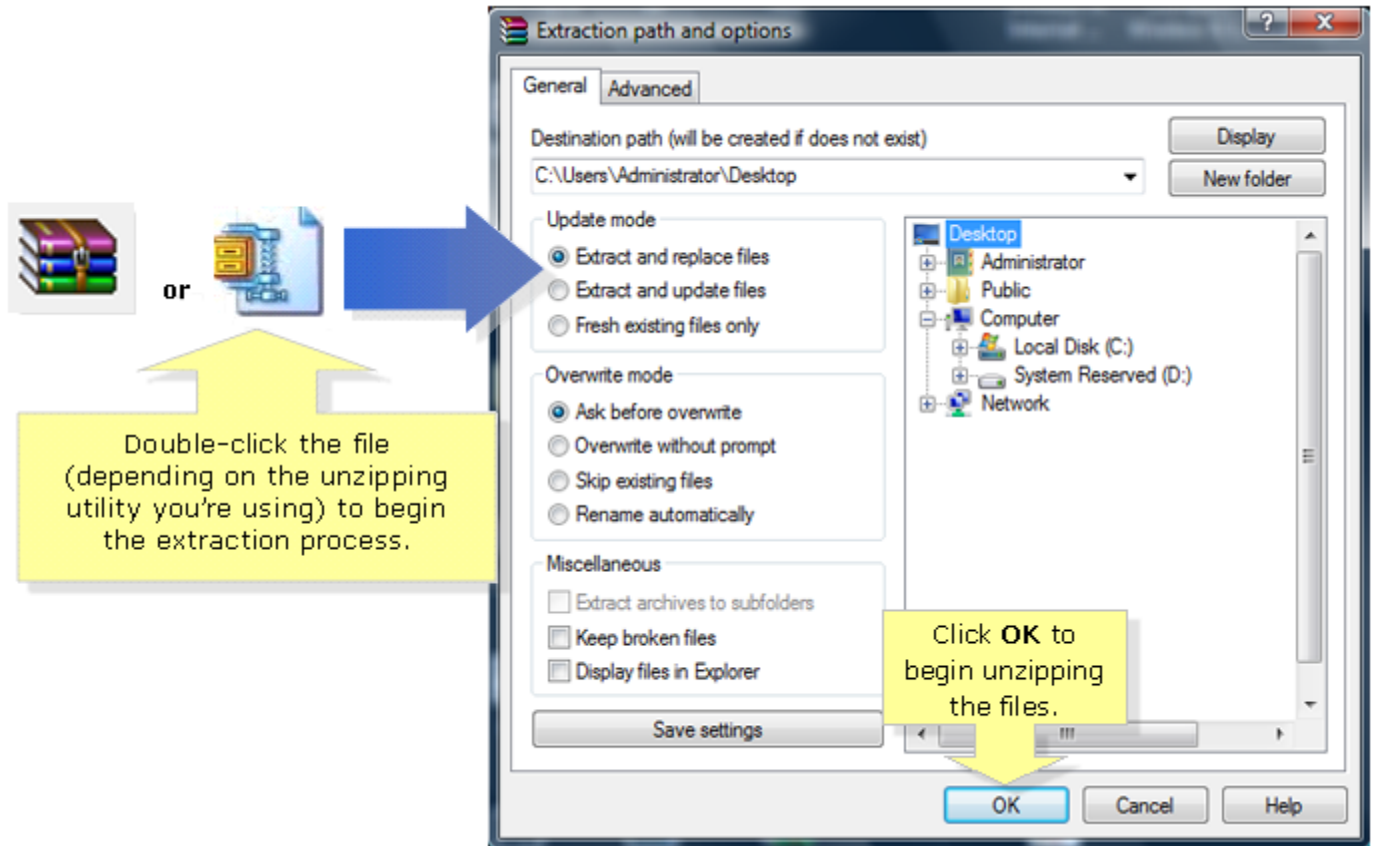
If you're using a Mac computer, click **Download** in the dialogue box that appears. Once the download has been completed, click the **red button** to close the **Downloads** window.



The name of the file may vary depending on the firmware file of your router.

**Step 7:**

Double-click the .zip file and extract its contents to a single folder or to the **Desktop**. If you're using a Mac computer, the file would be extracted automatically.



**Taking note of your current settings**

After upgrading the router's firmware, a reset needs to be done which will require you to reconfigure your settings from scratch. Be sure to note down important settings before resetting the router and use it as basis for reconfiguring the router later.

**NOTE:** You can use the back-up and restore configuration feature of your router before resetting so as not to go through the whole process of reconfiguration. However, firmware upgrades sometimes include added functionalities which might mess up the settings once restored from a backup. In case this happens, you might have to manually reconfigure the router.

**Performing the Upgrade**

**Step 1:**

Access the router's web-based setup page.

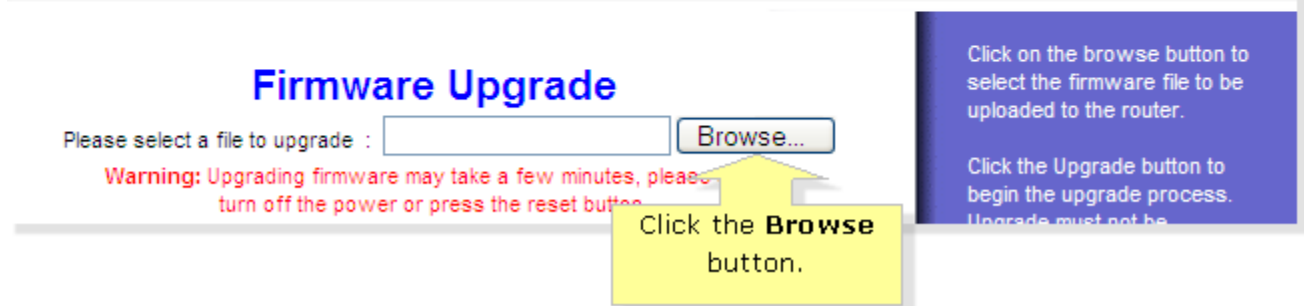
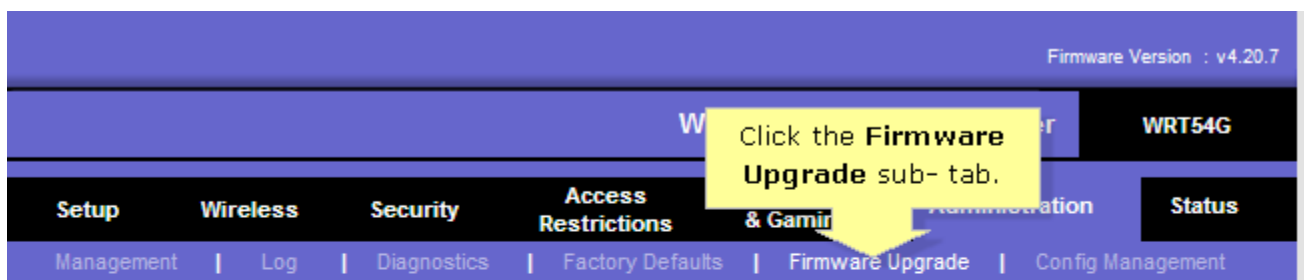
**Step 2:**

Click the **Administration** tab.



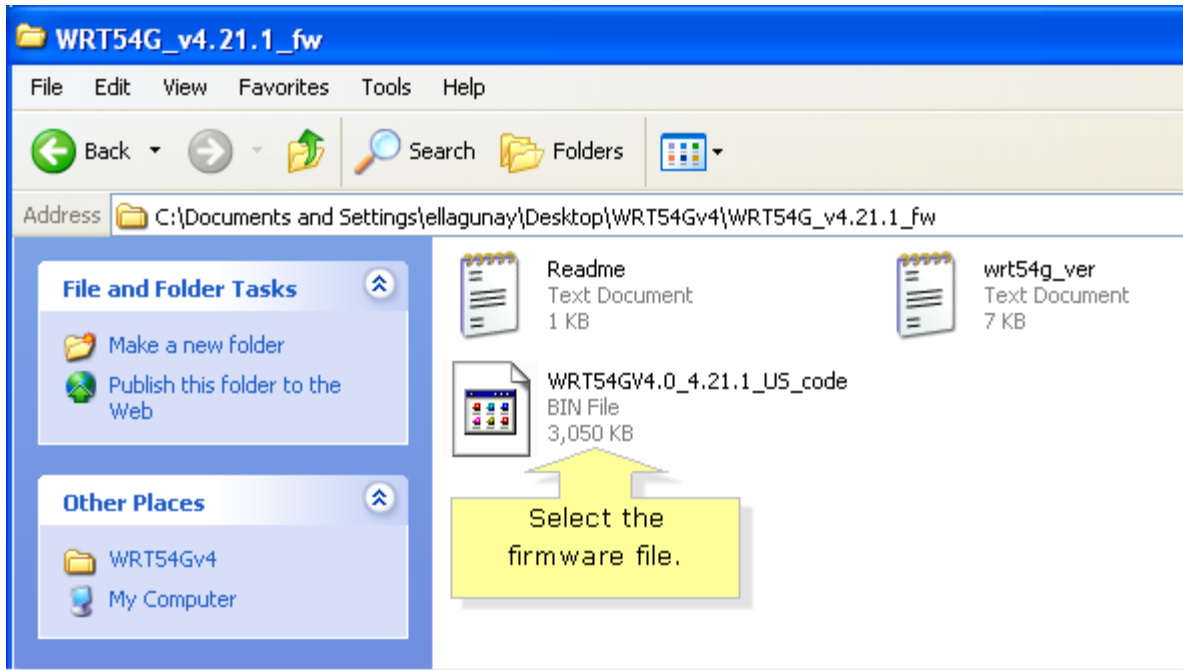
**Step 3:**

Click the **Firmware Upgrade** sub-tab then click the **Browse** button.

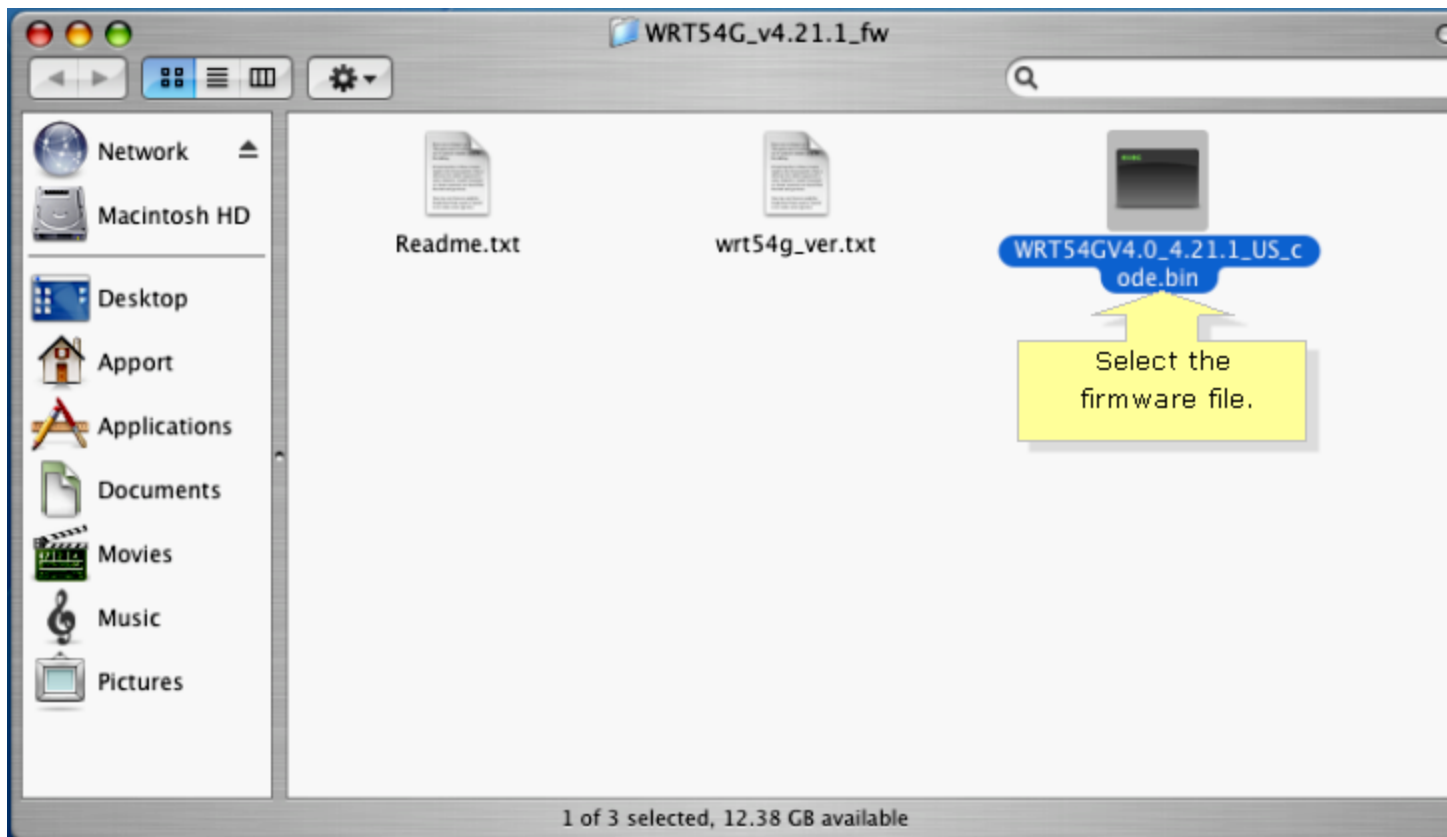


**Step 4:**

Locate the firmware then click **Open**.



Refer to the following image for Mac OS:



**Step 5:**

Click the **Upgrade** button.

Wireless-G Broadb

Setup | Wireless | Security | Access Restrictions | Applications & Gaming

Management | Log | Diagnostics | Factory Defaults | Firmware Up

## Firmware Upgrade

Please select a file to upgrade :

**Warning:** Upgrading firmware may take a few minutes, please don't turn off the power or press the reset button.

Upgrade must NOT be interrupted !

Click the **Upgrade** button.

## Firmware Upgrade

Please select a file to upgrade :

**Warning:** Upgrading firmware may take a few minutes, please don't turn off the power or press the reset button.

Upgrade must NOT be interrupted !

**Step 6:**

When the upgrade is complete, the following message will appear. Click on **Continue**.

**Upgrade is successful.  
Rebooting.....**

## Completing the firmware upgrade

### Step 1:

Close **Internet Explorer** or **Safari**.

### Step 2:

Press and hold the **Reset** button of your router for **10** seconds.



**NOTE:** If the image of your router is different from the one shown above, consult your router documentation for the location of the reset button.

### Step 3:

Powercycle the router. To do this, unplug the power cord and wait **30** seconds before plugging it back in.

The firmware upgrade process is now complete.