

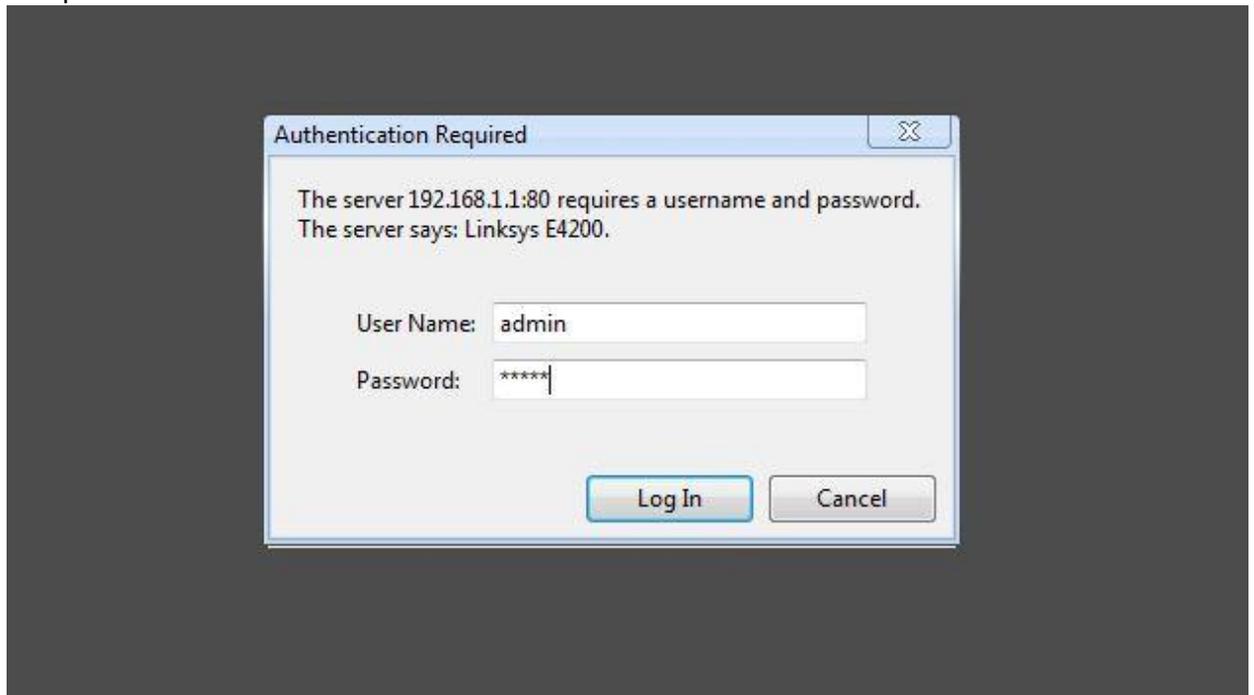
## Linksys E4200v2 Firmware Upgrade

We ask that you take the time to upgrade to firmware on your Linksys router. This will help ensure a smooth transition while operating over IPv6. To upgrade the firmware on your E4200v2 router, you must first setup the router and connect it to your online cable modem. You will then login to the routers web UI and perform the firmware upgrade.

**NOTE: You must have a machine connected to the WIRED LAN port of the router to perform this upgrade. Do not attempt to upgrade the firmware over the wireless interface.**

Be sure that you power-cycle your cable modem after disconnecting your old router. Plug the modem into your Linksys E4200v2 before turning it on. Follow the steps below to upgrade the firmware.

- 1) Open a web browser and navigate to the gateway address: 192.168.1.1
- 2) You will be presented with a login splash page. The default username will be “**admin**”. The password will be “**admin**”



3) Now you will be at the landing page. Click on the “Administration” tab.

The screenshot shows the 'Setup' page for a Linksys E4200 router. The top navigation bar includes 'Setup', 'Wireless', 'Security', 'Storage', 'Access Restrictions', 'Applications & Gaming', 'Administration', and 'Status'. The 'Administration' tab is highlighted in red. Below the navigation bar, there are several configuration sections:

- Language:** Select your language (English)
- Internet Setup:** Internet Connection Type (Automatic Configuration - DHCP), Domain Name (hsd1.pa.comcast.net), MTU (Auto), Size (1500)
- Network Setup:** Host Name (Cisco24676), Router Address (IP Address: 192.168.1.1, Subnet Mask: 255.255.255.0)
- DHCP Server Setting:** DHCP Server (Enabled), Start IP Address (192.168.1.100), Maximum Number of Users (50), IP Address Range (192.168.1.100 to 149)

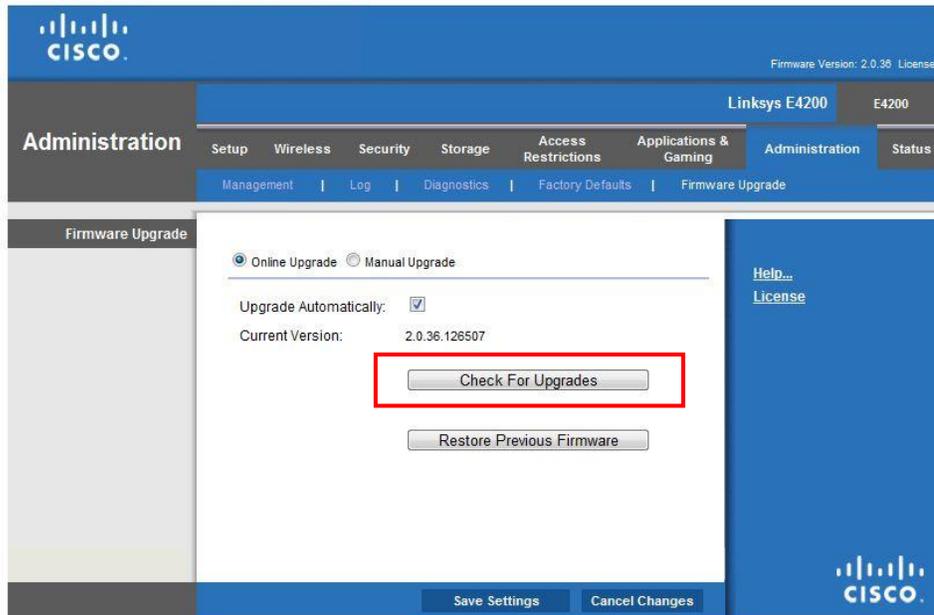
4) Now you will be at the administration page. Click on the “Firmware Upgrade” link.

The screenshot shows the 'Administration' page for a Linksys E4200 router. The top navigation bar includes 'Setup', 'Wireless', 'Security', 'Storage', 'Access Restrictions', 'Applications & Gaming', 'Administration', and 'Status'. The 'Administration' tab is highlighted in red. Below the navigation bar, there are several management sections:

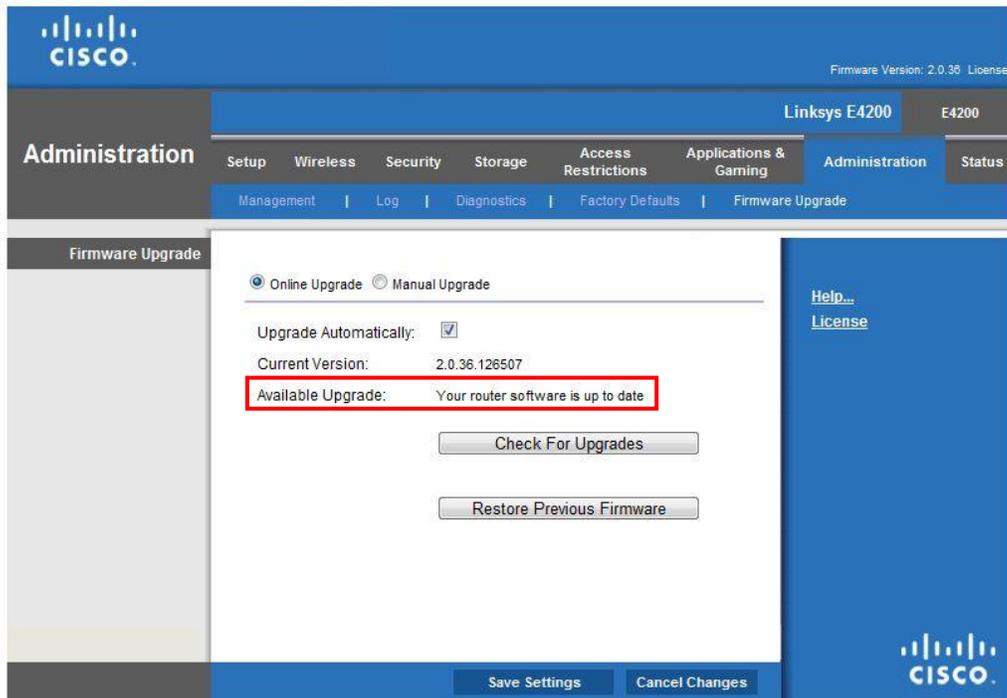
- Management:** Router Access (Router Password, Re-Enter to Confirm)
- Local Management Access:** Access via (HTTP, HTTPS), Access via Wireless (Enabled, Disabled)
- Remote Management Access:** Remote Management (Enabled, Disabled), Access via (HTTP, HTTPS), Allowed Remote IP Address (Any IP Address, 0.0.0.0 to 0), Remote Management Port (8080)
- ALG:** SIP (Enabled, Disabled)

- 5) You will now be at the firmware upgrade page. The current firmware version is shown here. Click on the “Check For Upgrades” button. This will poll the Linksys update server for a new firmware version.

**NOTE: For this to work, your E4200v2 must be connected to the cable modem with an active internet connection (ex: You should be able to reach [www.google.com](http://www.google.com) in your web browser)**



- 6) If there is a new version, the page will show you the new version. You will then have the option click “Update Now”. Click this button.



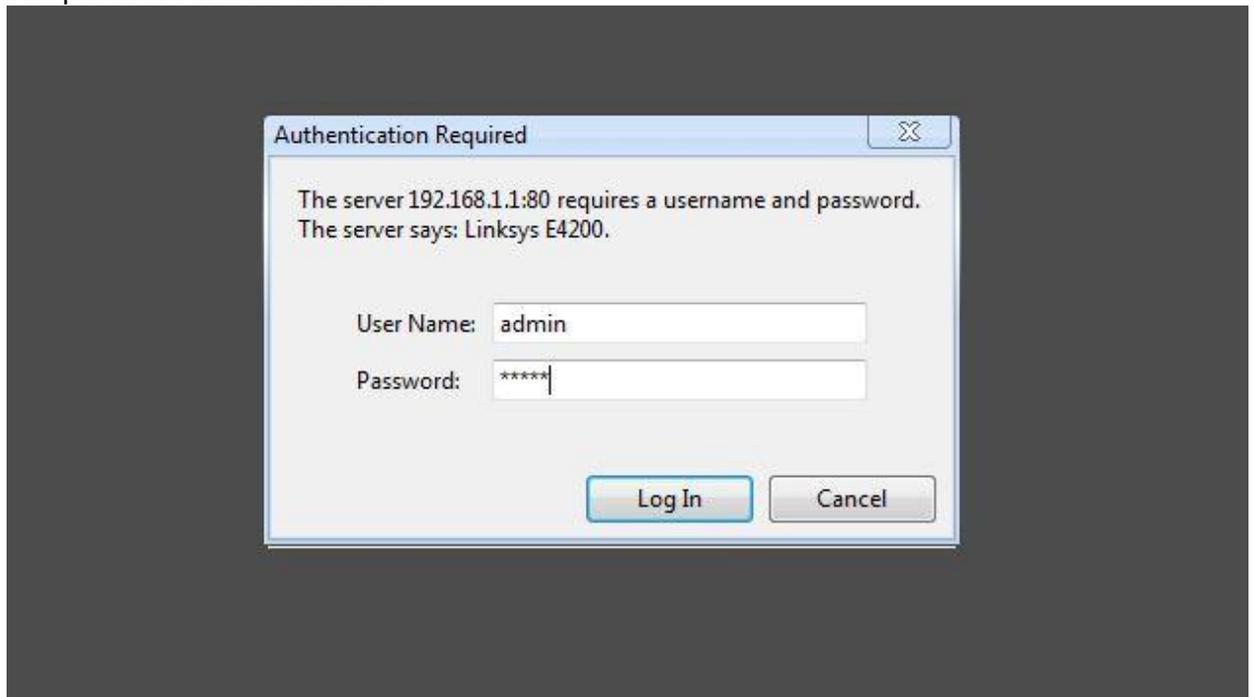
- 7) The updated firmware version will download automatically and then continue with the install. Once complete, you will see that the firmware version has been updated successfully.

## Enabling IPv6 on the Linksys E4200v2

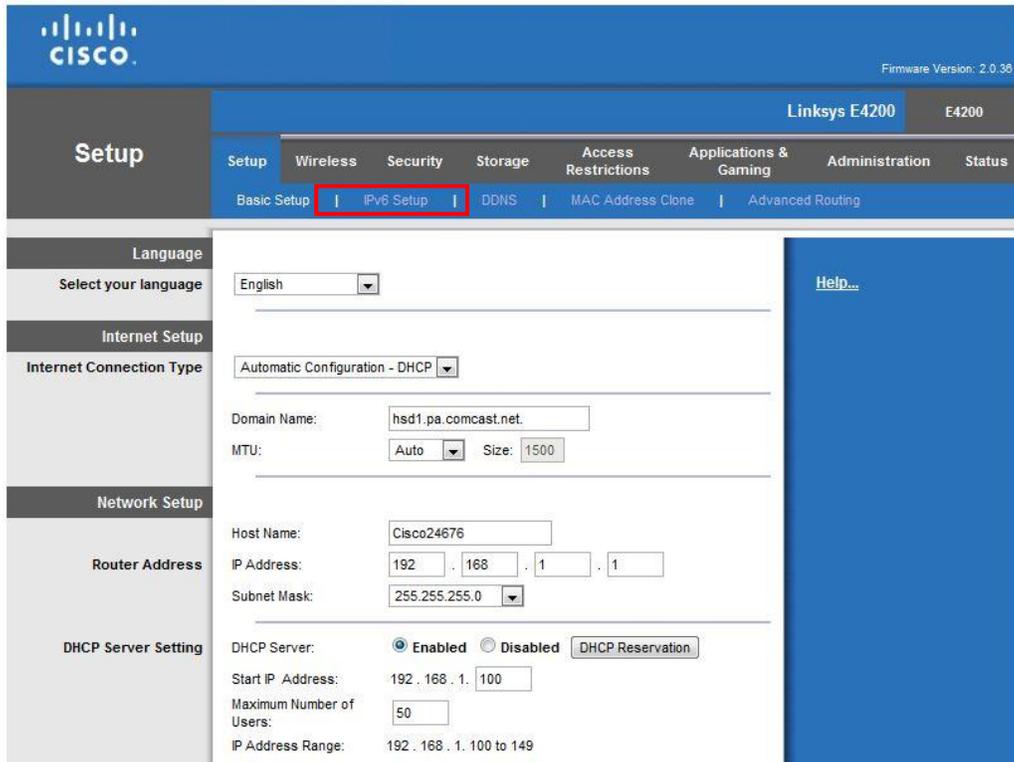
Now that we have upgraded the firmware to the latest version, you will want to follow the steps below to ensure IPv6 is enabled and working on your E4200v2. You will configure the device using the web UI just like you did to update the firmware.

Follow the steps below to enable IPv6:

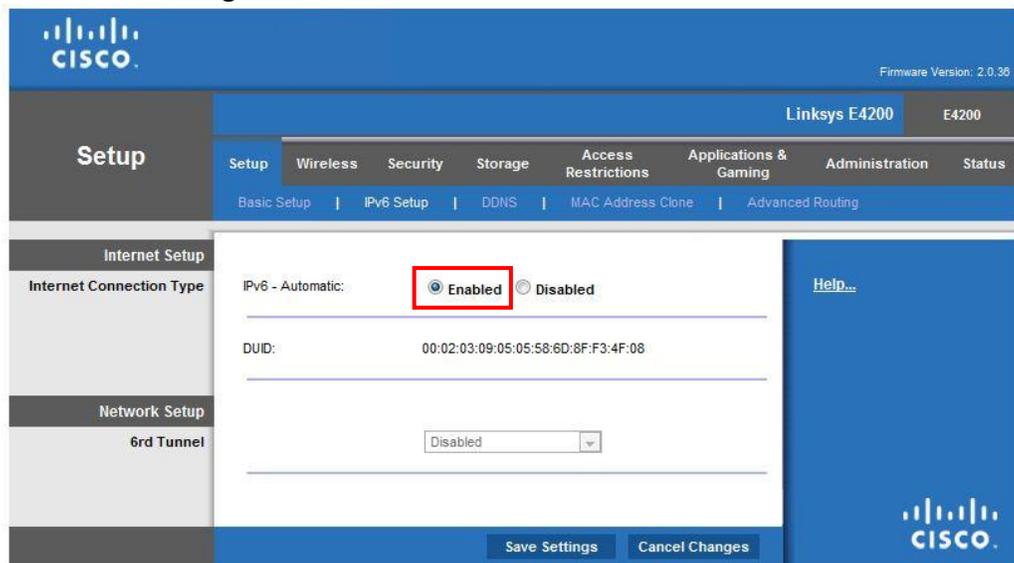
- 1) Open a web browser and navigate to the gateway address: 192.168.1.1
- 8) You will be presented with a logon splash page. The default username will be “**admin**”. The password will be “**admin**”



- 1) Now you will be at the landing page. Click on the “IPv6 Setup” link under the setup tab.



- 2) You will now be on the IPv6 Configuration page. Ensure that IPv6 is enabled and then click “Save Settings”.



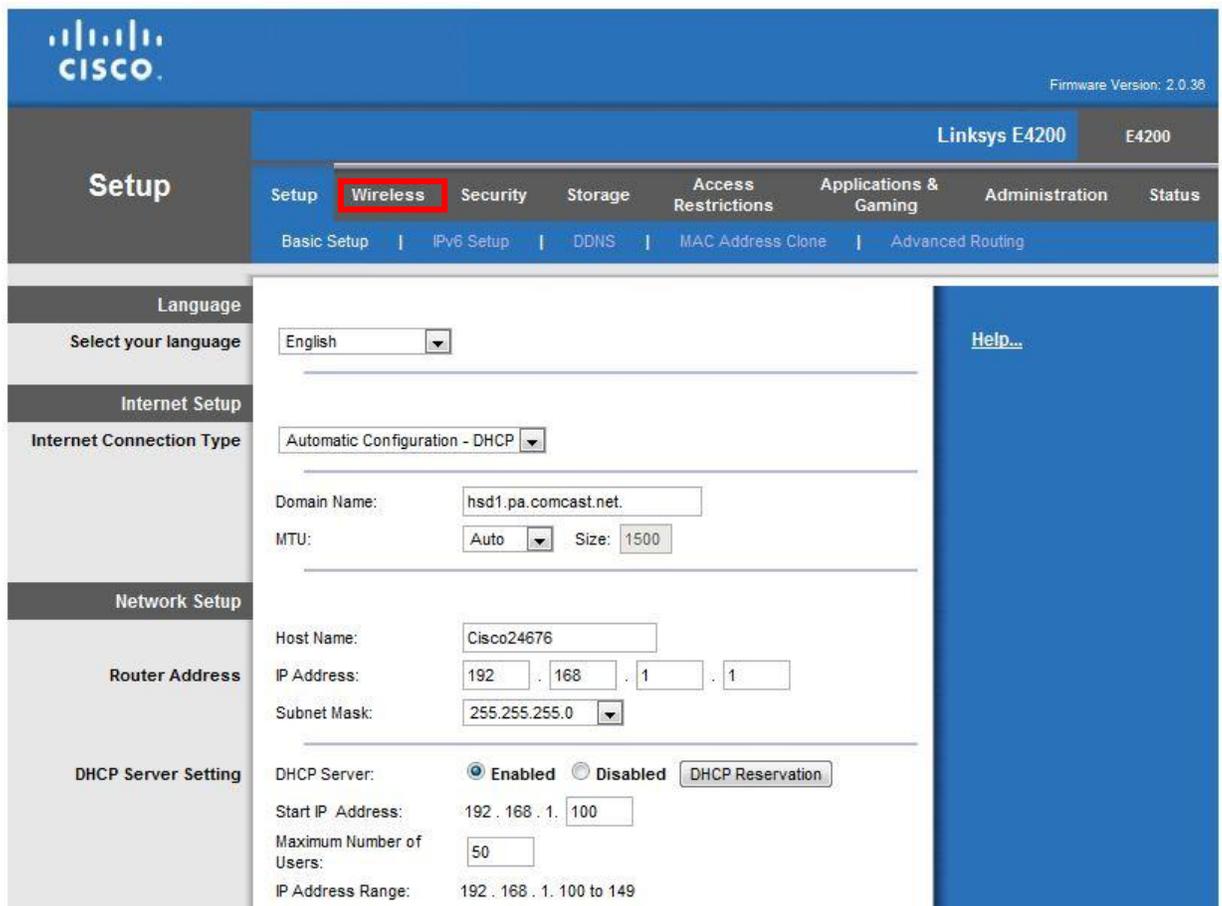
- 3) Click “Save Settings”

The settings should now be saved and the router will need to restart to apply the configuration. You should now be configured for IPv6.

## Security

Once you have configured IPv6 on your device, we recommend that you secure your wireless network. Follow the simple steps below to complete this task.

- 1) Login to your router. Click on the “Wireless” tab on top of the page.



The screenshot shows the Cisco Linksys E4200 router's Setup page. The top navigation bar includes the Cisco logo, the model name "Linksys E4200", and the firmware version "2.0.36". The "Wireless" tab is highlighted in red. The left sidebar shows the "Setup" menu with sub-sections: Language, Internet Setup, Network Setup, Router Address, and DHCP Server Setting. The main content area displays the following configuration options:

- Language:** Select your language (English)
- Internet Setup:** Internet Connection Type (Automatic Configuration - DHCP)
- Domain Name:** hsd1.pa.comcast.net
- MTU:** Auto (Size: 1500)
- Network Setup:** Host Name: Cisco24676
- Router Address:** IP Address: 192 . 168 . 1 . 1; Subnet Mask: 255.255.255.0
- DHCP Server Setting:** DHCP Server:  Enabled  Disabled (DHCP Reservation); Start IP Address: 192 . 168 . 1 . 100; Maximum Number of Users: 50; IP Address Range: 192 . 168 . 1 . 100 to 149

A "Help..." link is visible on the right side of the page.

- 2) Change your Wireless Network Name, and change the Security Mode. We recommend WPA-Personal.

The screenshot displays the Cisco Linksys E4200 wireless configuration interface. At the top, the Cisco logo and 'Firmware Version: 2.0.36' are visible. The main navigation bar includes 'Setup', 'Wireless', 'Security', 'Storage', 'Access Restrictions', 'Applications & Gaming', 'Administration', and 'Status'. The 'Wireless' section is active, showing 'Wireless Settings', 'Guest Access', and 'Wireless MAC Filter' options. The 'Configuration View' section is on the left, with '5 GHz Wireless Settings' and '2.4 GHz Wireless Settings' visible. The 'Manual' radio button is selected for both bands. The 'Save Settings' button is highlighted in blue at the bottom.

Band	Network Mode	Network Name (SSID)	Security Mode	Channel Width	Channel	SSID Broadcast
5 GHz	Mixed	Cisco24676	Disabled	Auto (20 MHz or 40 MHz)	Auto	Enabled
2.4 GHz	Mixed	Cisco24676	Disabled	Auto (20 MHz or 40 MHz)	Auto	Enabled

- 3) Click "Save Settings"

- 4) You have now secured your wireless network. You may also change the administrator password for the E4200v2 by navigating to the “Administration” tab and changing the router password at the top of the page.

The screenshot displays the Cisco Linksys E4200v2 administration web interface. The top navigation bar includes the Cisco logo, the model name "Linksys E4200", and the firmware version "2.0.38". The main navigation menu is divided into "Administration" and "Status". Under "Administration", there are sub-menus for "Setup", "Wireless", "Security", "Storage", "Access Restrictions", "Applications & Gaming", and "Administration" (which is currently selected). Below these are links for "Management", "Log", "Diagnostics", "Factory Defaults", and "Firmware Upgrade".

The left sidebar shows a tree view of the configuration options: "Management" (with "Router Access" highlighted in a red box), "Local Management Access", "Remote Management Access", and "ALG".

The main content area is titled "Router Access" and contains the following configuration fields:

- Router Password: [password field]
- Re-Enter to Confirm: [password field]
- Access via:  HTTP  HTTPS
- Access via Wireless:  Enabled  Disabled
- Remote Management:  Enabled  Disabled
- Access via:  HTTP  HTTPS
- Allowed Remote IP Address:  Any IP Address  [IP Address] to [IP Address]
- Remote Management Port: [8080]
- SIP:  Enabled  Disabled

A "Help..." link is visible on the right side of the page.

## Additional Information

IPv6 Contact Support: [comcast-ipv6@cable.comcast.com](mailto:comcast-ipv6@cable.comcast.com)

IPv6 Website: <http://www.comcast6.net>

In order to successfully operate IPv6 on your device, we recommend the following Operating Systems:

Windows 7 (All Builds)

Windows Vista (All Builds)

Mac OS X 10.3 and higher

