

Linksys E2100 Router Setup Guide





Configure QoS Settings (MAC Method)

1. Log in to the router. The default IP address is **192.168.1.1**.

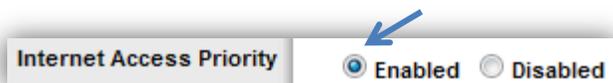


2. The default username is **“admin”**. The default password is **“admin”**.
3. Click the **Applications & Gaming** tab.



For field descriptions, click **Help** on the right side of the screen.

4. Select **QoS**.
5. Select the radial button **“Enabled”** next to the field labeled **“Internet Access Priority”**.





- In the field labeled “**Upstream Bandwidth**”, select “**Manual**” from the drop-down menu and enter your current upload speed. (If unsure of your current upload speed, please run a speed test at <http://www.megapath.com/speedtestplus/>).

QoS (Quality of Service)

Wireless

WMM Support: Enabled Disabled (Default: Enabled)

No Acknowledgement: Enabled Disabled (Default: Disabled)

Internet Access Priority

Upstream Bandwidth

Enabled Disabled

Manual Kbps

- Select “**MAC Address**” from the drop-down menu labeled “**Category**”.

Internet Access Priority

Upstream Bandwidth

Category

Enabled Disabled

Manual Kbps

Applications

Applications

Online Games

MAC Address

Voice Device

MSN Messenger

Medium (Recommended)

Apply

8. You will need the MAC address for each IP device to continue. In the field labeled “**Enter a Name**”, enter a unique name for the device for which you will prioritize traffic.

Internet Access Priority Upstream Bandwidth Category	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled	
	Manual	1800 Kbps
	MAC Address	My Current PC's MAC Address: A4:BA:DB:DC:24:30
	Enter a Name	Polycom VVX 500
	MAC Address	00:00:00:00:00:00
Priority	Medium (Recommended)	
<input type="button" value="Apply"/>		

9. In the field labeled “**MAC Address**” enter the MAC address for the device.

Internet Access Priority Upstream Bandwidth Category	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled	
	Manual	1800 Kbps
	MAC Address	My Current PC's MAC Address: A4:BA:DB:DC:24:30
	Enter a Name	Polycom VVX 500
	MAC Address	70:81:05:B8:30:34
Priority	Medium (Recommended)	
<input type="button" value="Apply"/>		

10. In the field labeled “**Priority**”, select “**High**” from the drop-down menu.

Internet Access Priority

Upstream Bandwidth

Category

Summary

Enabled Disabled

Manual 1800 Kbps

MAC Address My Current PC's MAC Address: A4:BA:DB:DC:24:30

Enter a Name	Polycom VVX 500
MAC Address	70:81:05:B8:30:34
Priority	Medium (Recommended)

Priority Name Information

11. Click “**Apply**” to save changes.

Internet Access Priority

Upstream Bandwidth

Category

Summary

Enabled Disabled

Manual 1800 Kbps

MAC Address My Current PC's MAC Address: A4:BA:DB:DC:24:30

Enter a Name	Polycom VVX 500
MAC Address	70:81:05:B8:30:34
Priority	High

Apply

12. Repeat steps 6-10 until you have entered all of the IP phones. When all have been entered and you see them in the “**Summary**” section, click on “**Save Settings**”.

Summary

<u>Priority</u>	<u>Name</u>	<u>Information</u>		
High	Polycom VVX 500	MAC 70:81:05:B8:30:34	Remove	Edit
High	Polycom VVX 500	MAC 70:81:05:B8:1B:4E	Remove	Edit
High	Polycom VVX 500	MAC 00:04:F2:40:83:24	Remove	Edit
High	Polycom VVX 500	MAC A4:DB:DB:DC:24:30	Remove	Edit

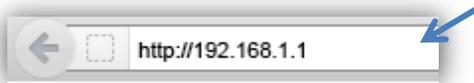
Save Settings Cancel Changes

13. Power cycle/reboot the router before proceeding.



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2. The default username is “**admin**”. The default password is “**admin**”. 2.
3. Click the “**Applications & Gaming**” tab.



4. Select “**QoS**”.
5. Select the radial button “**Enabled**” next to the field labeled “**Internet Access Priority**”.



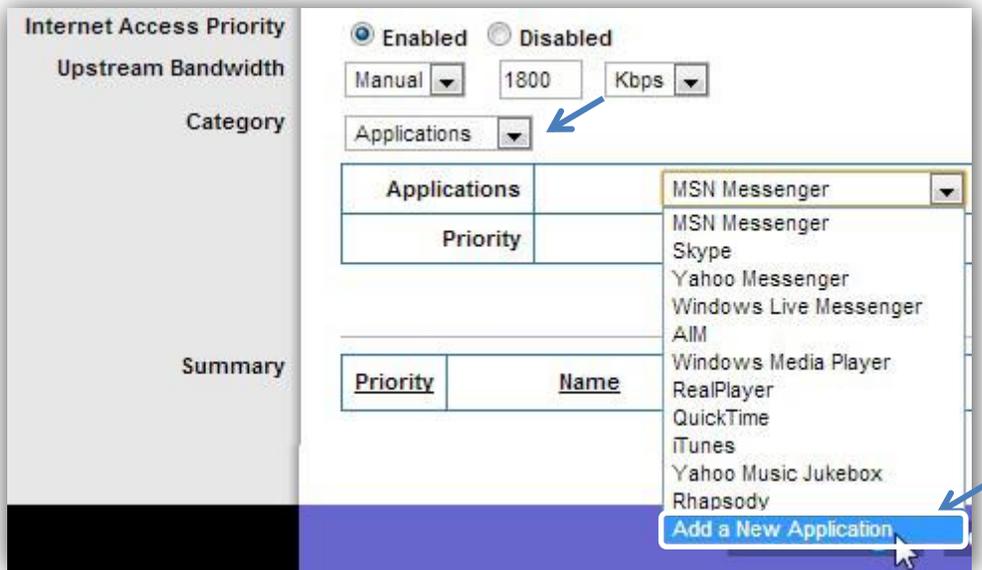


6. In the field labeled “**Upstream Bandwidth**”, select “**Manual**” from the drop-down menu and enter your current upload speed. (If unsure of your current upload speed, please run a speed test at <http://www.megapath.com/speedtestplus/>).

A screenshot of a web interface for Quality of Service (QoS) settings. The left sidebar has a black header "QoS (Quality of Service)" and a grey section "Wireless" with sub-items "Internet Access Priority" and "Upstream Bandwidth". The main content area shows "WMM Support:" with "Enabled" selected (radio button) and "Disabled" unselected, with "(Default: Enabled)" to the right. Below that, "No Acknowledgement:" has "Enabled" unselected and "Disabled" selected, with "(Default: Disabled)" to the right. A horizontal line separates this from the "Upstream Bandwidth" section, which has "Enabled" selected and "Disabled" unselected. Below these radio buttons are three input fields: a dropdown menu with "Manual" selected, a text input field containing "1800", and a dropdown menu with "Kbps" selected. A blue arrow points to the "1800" text field.

7. In the “**Category**” section, select “**Applications**” from the drop-down menu.

8. In the field labeled “**Applications**”, select “**Add a New Application**” from the drop-down menu.





9. Enter a unique name in the “**Enter a Name**” field. Enter the following port ranges and select “**UDP**” from the drop-down menu to the right of each port range field and set the priority to “**High**” on the drop-down menu: **5060-5090, 8000-8200, 16384-16482**.

Internet Access Priority Upstream Bandwidth Category	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled	
	Manual	1800 Kbps
	Applications	
	Applications	Add a New Application
	Enter a Name	MegaPath
	Port Range	5060 to 5090 UDP (Optional) 8000 to 8200 UDP (Optional) 16384 to 16482 UDP
Priority	High	
Apply		