

Configuring QoS for the MI424WR Revisions E & F

The following procedure details the steps needed to correctly configure QoS in the MI424WR Revisions E & F. There are two sections where you will need to configure the setting for it to work correctly Traffic Shaping and Traffic Priority.

Traffic shaping

1. **Select** the Advanced icon at the top of the screen.
2. **Click** “Yes” on the warning page.
3. **Click** on Quality of Service (QoS).
4. **Select** Traffic Shaping from the menu on the left.
5. **Click** on the red Add.
6. Leave on “Default WAN device” and **click** on Apply.
7. Under the Tx Bandwidth section select Specify
8. Type in the maximum Kbps for the transmit (upload) of the connection. Note: This will be the maximum bandwidth allotted for all devices behind the router, not just for QoS rules!
9. Next to Queue policy **select** Class Based
10. **Click** on the edit icon for the “default” class policy.
11. Change the class priority to a higher setting->6 or 7. This will be for general usage. Leave all settings at defaults.
12. **Click** Apply
13. **Click** Add under Tx Traffic Shaping
14. **Type in** the name of the class, such as VOIP and click Apply
15. **Click** on the edit icon button of the new class policy that was just added.
16. Change the class priority to match what they want, by default it should be '0', indicating the highest priority available

How to configure QoS Settings in the MI424WR Revisions E & F

Traffic shaping (continued)

17. If you want a reserved bandwidth, please note that this bandwidth is on ALL THE TIME, not just when the class policy is triggered. Setting the bandwidth to 90%, for instance, will result in only 10% of the bandwidth being available to other devices AT ALL TIMES. Best idea is to leave the reserved bandwidth to 0, and just change the class priority as needed. Leave everything else as is and **click** Apply.
18. Under Rx Traffic Policing section
19. Change Rx Bandwidth to specify, and type in the maximum download speed of the connection. Note: This will be the maximum bandwidth allotted for all devices behind the router, not just for QoS rules!
20. **Click** on Add
21. Type in the name of the class, such as VOIP and **click** Apply
22. Click on the edit button of the class policy that was just added.
Change the class priority to match what they want, by default it should be '0', indicating the highest priority available
23. If you want a reserved bandwidth, please note that this bandwidth is on ALL THE TIME, not just when the class policy is triggered. Setting the bandwidth to 90%, for instance, will result in only 10% of the bandwidth being available to other devices AT ALL TIMES. Best idea is to leave the reserved bandwidth to 0, and just change the class priority as needed. Leave everything else as is and **click** Apply.

Traffic Priority Section

1. **Select** Traffic Priority from the menu on the left side.
2. Under QoS Input Rules **click** on the red add next to either Broadband Connection Ethernet or Broadband Connection Coax Rules (Depending on the type of connection the End User has).
3. In the Destination Address dropdown list **select** the device that they want this rule to apply to

How to configure QoS Settings in the MI424WR Revisions E & F

Traffic Priority Section (continued)

4. Put a check mark in the Set Priority box , and change to the appropriate priority (7 is the highest)
5. Change the Rx Class Name to the class added in the last section
6. Leave everything else as is and click Apply
7. Under Network (Home/Office) Rules click Add
8. Change the Destination Address to the device they want this rule to apply to
9. Check Set Priority, and change to the appropriate priority (7 is the highest)
10. Change the Tx Class Name to the class added in the last section
11. Leave everything else as is and **click** Apply

Now the device will have the priority set and should receive traffic before or after (depending on the priority chosen) other devices on the router.