

Port Forwarding the Actiontec FiOS Routers

The Actiontec FiOS Routers have built in pre-configured rules for many of the common games, applications and services. It is a good practice to check the list before you begin to configure a new port forwarding rule. If the Protocol you need is not listed, you can create a custom rule using these directions. Any rule that you create will become part of the list and remain there until the router is Reset. (Resetting the router will restore all settings to default values and remove any custom rules that have been added. However, if you save a router Configuration file, it will create a backup of the router settings and any custom rules that have been added. That way if the router needs to be Reset or has already been Reset, it can be quickly reconfigured and lost port forwarding rules restored, by loading the saved Configuration file. The Configuration File utility is part of the Advanced section.)

Minimum required information:

- Computer/Device HOST name or IP Address if it is a static IP address
- The Port numbers and Protocols needed for the game, service or application

How to Create Custom Port Forwarding Rules:

1. Verify that the Internet connection is working through the Router.
2. Type the LAN IP address into the web browser's address bar and press enter.
(The default LAN IP address is 192.168.1.1)
(The default username is 'admin' and default password is 'password')
(If a Verizon tech accessed the router, the password will be 'password1')
3. Click on the "Advanced" icon and then select the "Protocols" icon.
4. Click 'Advanced' at the bottom of the page.
5. Verify whether or not the service or game that you wish to use, is listed.
(If the service or game is listed, jump down to the Port Forwarding step 16)
(If the service or game is not listed proceed to step 6)
6. Select "ADD" at the bottom of the list of Protocols.
7. Enter the name and description you want, for the rule you are creating.
8. Click "Add Server Ports" to select which ports are going to be opened.
9. Select the protocol, whether UDP or TCP.
10. The "Source Ports:" default setting of "ANY" should not be changed
(The source port setting of ANY is absolutely required for all port forwarding)
11. On "Destination Ports:" select whether it's a single port or range of ports.
(examples for single: 68, range: 67-69)
12. Click "OK" or "APPLY" depending on the firmware version.
13. Continue to add all of protocols and port numbers required for this new rule.
14. When they all have been added, then click "APPLY".
15. The new rule will then be in the Protocols list, ready to use.

How to Configure PORT FORWARDING:

16. Click the "Firewall" icon at the top of the page.
17. Verify the Firewall is set to Typical/Medium (Required for Port Forwarding)
(If the Firewall setting is changed, click Apply before proceeding to step #18)
18. Select "Port Forwarding" from the left hand column.
19. Select "ADD" to setup a new port forwarding rule.

NOTE: If the IP address of the computer or device has been assigned by DHCP, the HOST or computer name will be available in the drop-down list. If the IP address of the device was set manually, you will need to know it, so you can enter the private IP address in the text box immediately to the right of 'Specify Address' in the drop-down list.

20. Leave the 'Specify Public IP Address' check-box blank.
21. For 'Networked Computer/Device' select the device HOST name from the list or if the IP address was assigned manually on the device, enter the private IP address into the 'Specify Address' text box. (IP address example: 192.168.1.15)

22. To specify which ports are going to be opened, click the "select Protocol" drop-down list and click on the service, game or application that you wish to use. If the Protocol is not listed, click "Show All Services" to display all of the games, services and applications that are configured. Then select the one that you want to use. It will immediately display the protocols and ports that will be allowed.

23. You can select any additional games, applications or services that will be forwarded to this same device, at this time.

24. When you have added all of the protocols that this PC will require, move down to "WAN Connection Type:"

25. In the "WAN Connection Type:" drop-down list, select the WAN interface that is being used. (This is determined by the data cable connecting the Router to the wall. Early Verizon FiOS customers will be using 'Broadband Connection (Ethernet)', but Verizon has started installing COAX ONTs rather than Ethernet ONTs. Now, most will be using 'Broadband Connection (COAX)').

26. The last two options can be left at the default values. The 'Forward to Port' option allows traffic to be redirected to another port number. The last option is for scheduling the port forwarding rule, so that ports are not open when they do not need to be. To use it, a schedule must first be created using 'Scheduler Rules' in the Advanced section.

27. Click 'APPLY' at the bottom, and then click 'APPLY' again.
(Older firmware versions may have an 'OK' button instead.)

28. The new Port Forwarding rule should now be 'Active' and ready to test/use.