Configure Firewall Basic Settings on RV110W

Objective

A firewall is a security system which monitors and controls the flow of incoming and outgoing traffic to the network using configured security rules. The firewall serves as a barrier between a trusted, secure internal network and external untrusted networks.

The objective of this document is to show you how to configure firewall basic settings on the RV110W.

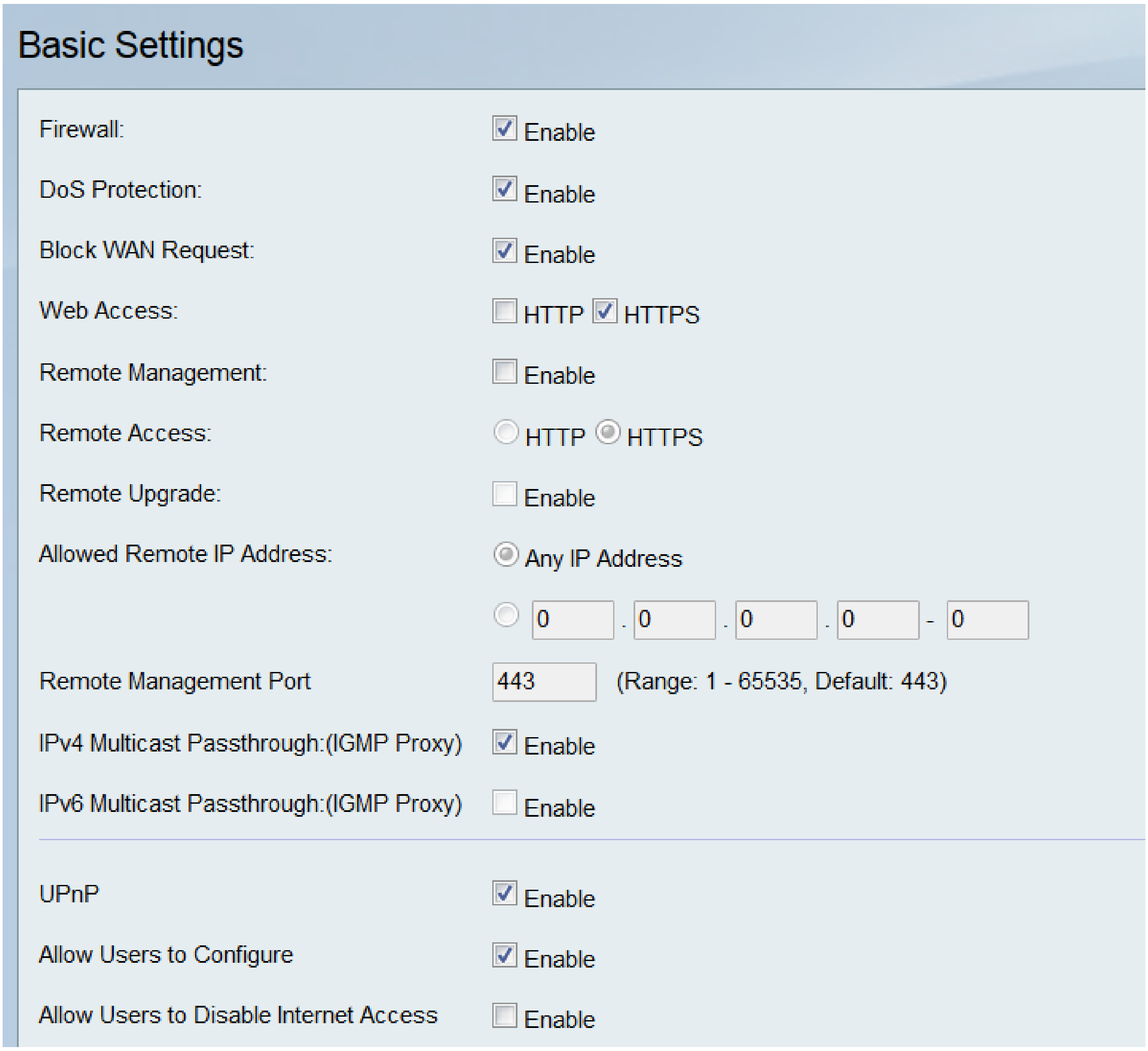
Note: For advanced configuration settings (such as enabling or disabling specific services in the firewall), refer to Firewall Service Management on RV110W.

Applicable Devices

- RV110W

Basic Firewall Configuration

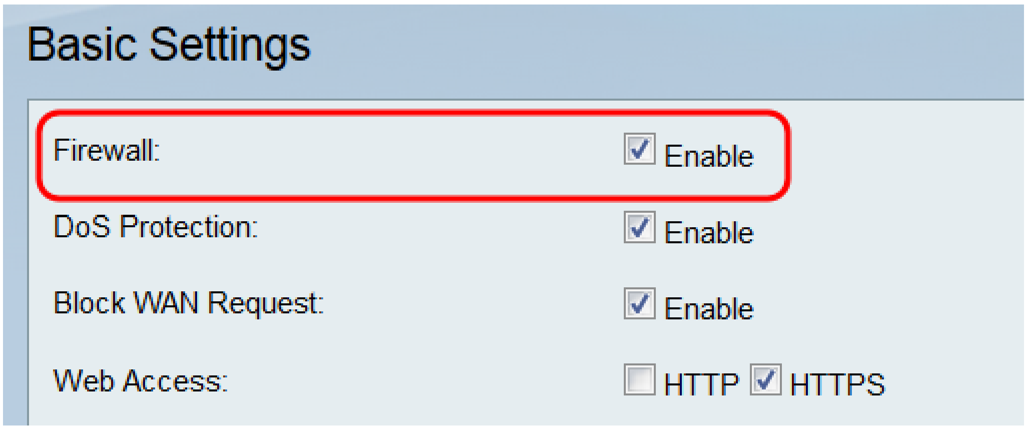
Step 1. Use the web configuration utility to choose **Firewall > Basic Settings**. The *Basic Settings* page appears:



Basic Settings

Firewall:	☑ Enable
DoS Protection:	☑ Enable
Block WAN Request:	☑ Enable
Web Access:	□ HTTP ☑ HTTPS
Remote Management:	□ Enable
Remote Access:	○ HTTP ● HTTPS
Remote Upgrade:	□ Enable
Allowed Remote IP Address:	● Any IP Address
	○ 0 . 0 . 0 . 0 - 0
Remote Management Port	443 (Range: 1 - 65535, Default: 443)
IPv4 Multicast Passthrough:(IGMP Proxy)	☑ Enable
IPv6 Multicast Passthrough:(IGMP Proxy)	□ Enable
UPnP	☑ Enable
Allow Users to Configure	☑ Enable
Allow Users to Disable Internet Access	□ Enable

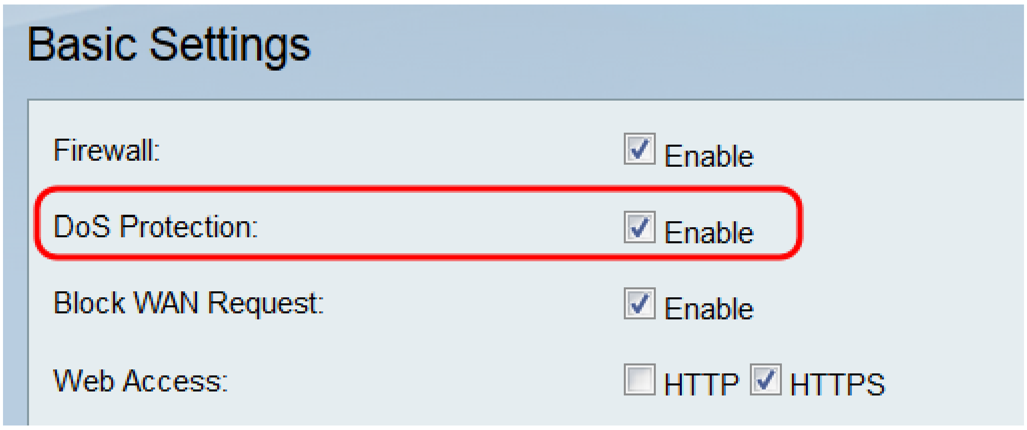
Step 2. In the *Firewall* field, check the **Enable** check box to enable firewall settings.



Basic Settings

Firewall:	☑ Enable
DoS Protection:	☑ Enable
Block WAN Request:	☑ Enable
Web Access:	□ HTTP ☑ HTTPS

Step 3. In the *DoS Protection* field, check the **Enable** check box to protect your network from Denial of Service (DoS) attacks.



Basic Settings

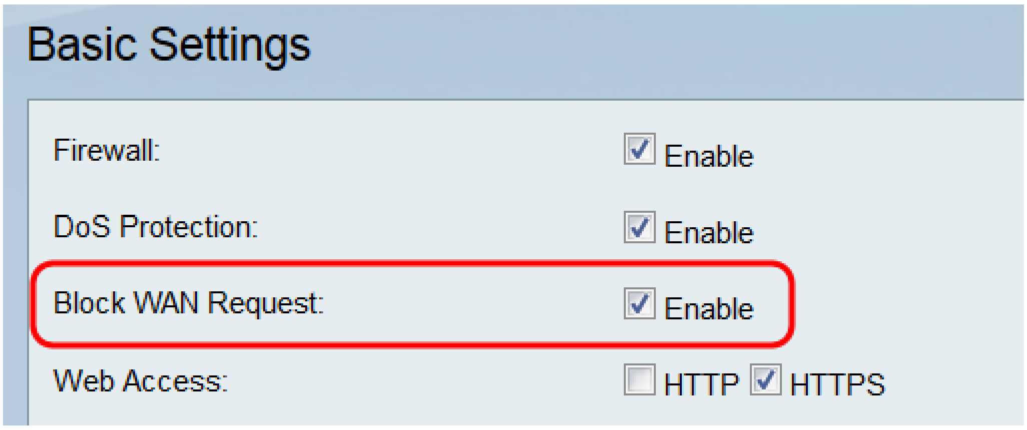
Firewall: ☑ Enable

DoS Protection: ☑ Enable

Block WAN Request: ☑ Enable

Web Access: □ HTTP ☑ HTTPS

Step 4. In the *Block WAN Request* field, check the **Enable** check box to deny ping requests to the RV110W from external networks.



Basic Settings

Firewall: ☑ Enable

DoS Protection: ☑ Enable

Block WAN Request: ☑ Enable

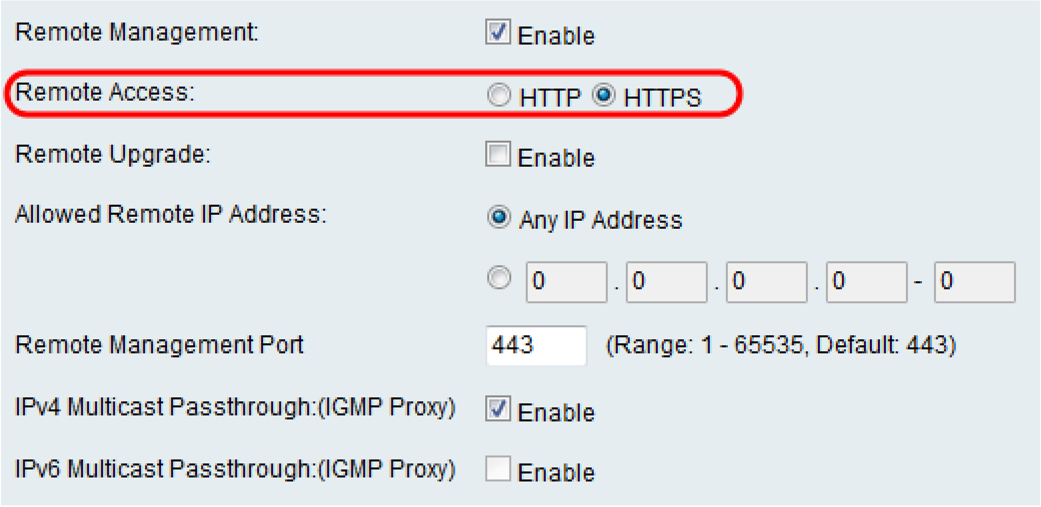
Web Access: □ HTTP ☑ HTTPS

Step 5. In the *Web Access* field, check the **HTTP** check box and/or the **HTTPS** check box to enable traffic from these protocols. HTTPS is a version of HTTP which encrypts packets for increased security.

Step 6. In the *Remote Management* field, check the **Enable** check box to enable remote management settings.

Note: If you choose not to enable remote management, skip to Step 11.

Step 7. In the *Remote Access* field, choose the type of web access used to connect to the firewall by clicking either the **HTTP** radio button or the **HTTPS** radio button. HTTPS encrypts packets for greater security.



Remote Management: ☑ Enable

Remote Access: ○ HTTP ● HTTPS

Remote Upgrade: □ Enable

Allowed Remote IP Address: ● Any IP Address

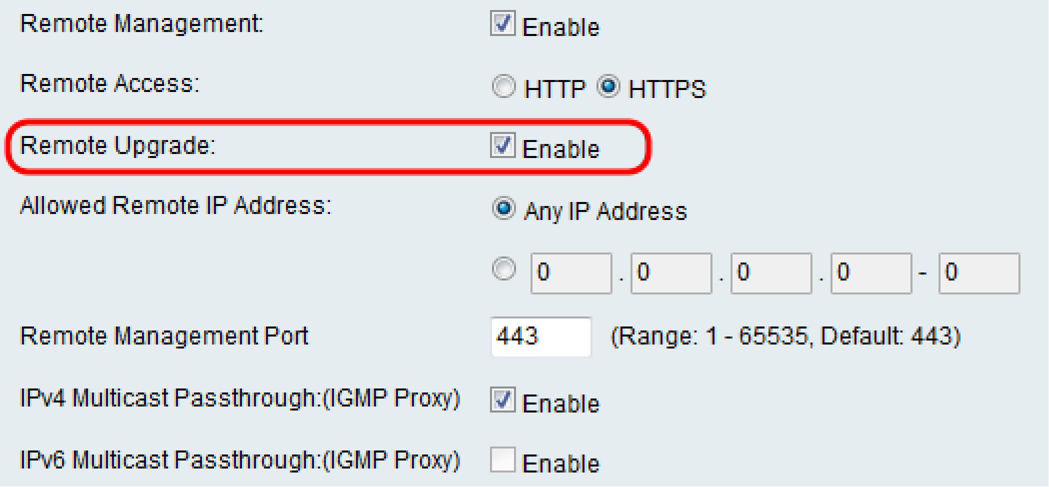
○ 0 . 0 . 0 . 0 - 0

Remote Management Port 443 (Range: 1 - 65535, Default: 443)

IPv4 Multicast Passthrough:(IGMP Proxy) ☑ Enable

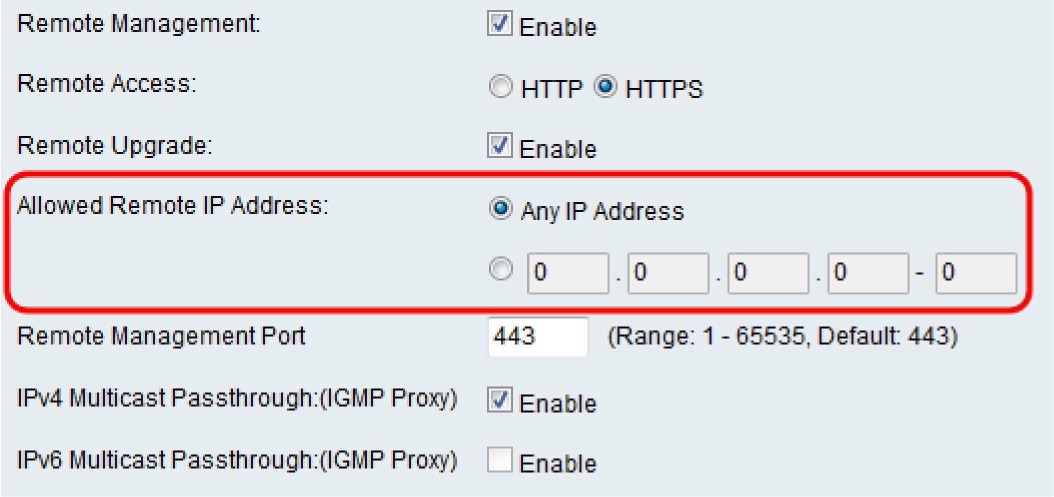
IPv6 Multicast Passthrough:(IGMP Proxy) □ Enable

Step 8. In the *Remote Upgrade* field, check the **Enable** check box to allow the RV110W firmware to be upgraded remotely.



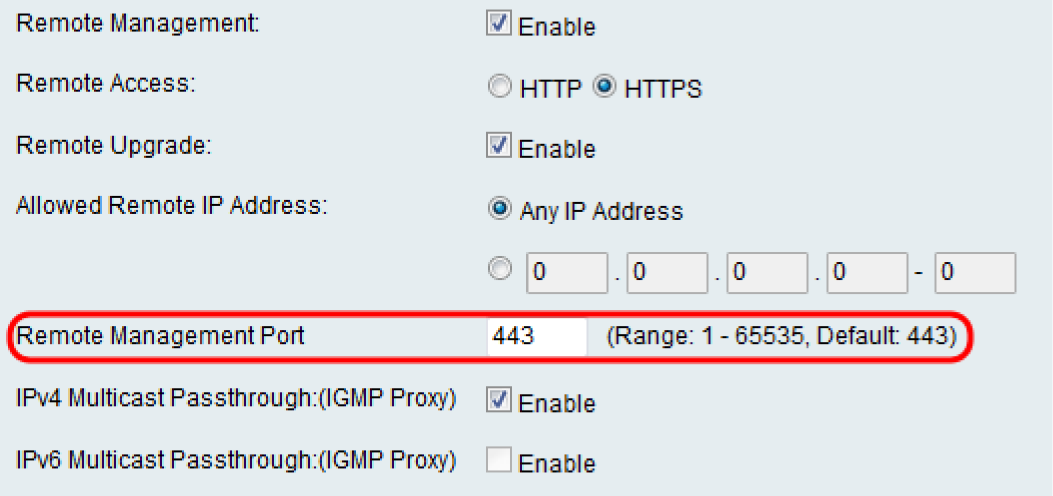
Remote Management:	☑ Enable
Remote Access:	○ HTTP ● HTTPS
Remote Upgrade:	☑ Enable
Allowed Remote IP Address:	● Any IP Address
	○ 0 . 0 . 0 . 0 - 0
Remote Management Port	443 (Range: 1 - 65535, Default: 443)
IPv4 Multicast Passthrough:(IGMP Proxy)	☑ Enable
IPv6 Multicast Passthrough:(IGMP Proxy)	□ Enable

Step 9. In the *Allowed Remote IP Address* field, click the **Any IP Address** radio button to allow remote upgrades to the router from any IP, or click the radio button beneath to enter a range of IP addresses that are allowed to remotely upgrade the router in the fields to the right.



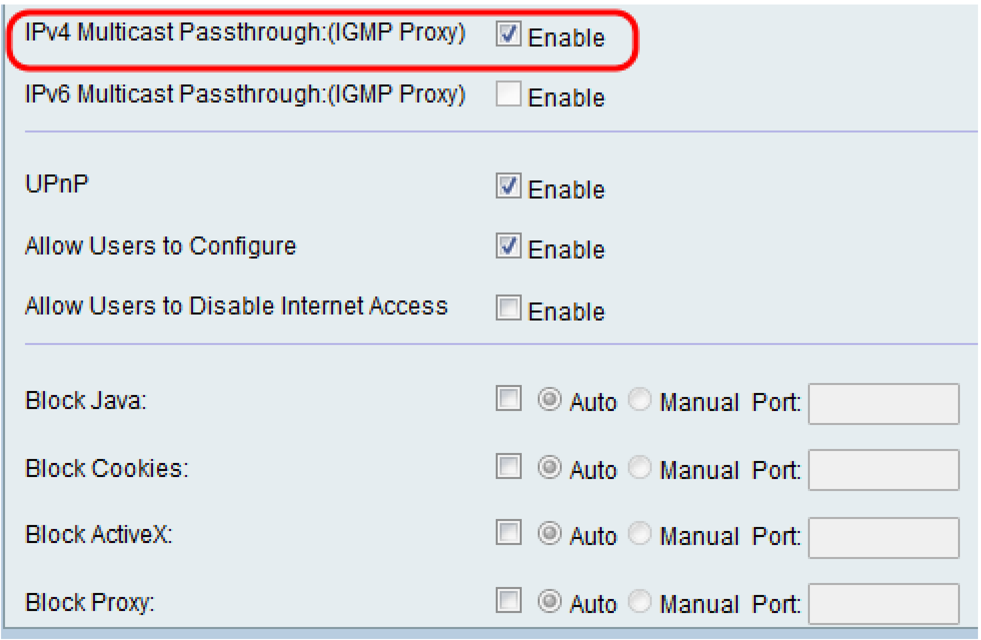
Remote Management:	☑ Enable
Remote Access:	○ HTTP ● HTTPS
Remote Upgrade:	☑ Enable
Allowed Remote IP Address:	● Any IP Address
	○ 0 . 0 . 0 . 0 - 0
Remote Management Port	443 (Range: 1 - 65535, Default: 443)
IPv4 Multicast Passthrough:(IGMP Proxy)	☑ Enable
IPv6 Multicast Passthrough:(IGMP Proxy)	□ Enable

Step 10. In the *Remote Management Port* field, enter the port or range of ports on which remote management is allowed.



Remote Management:	☑ Enable
Remote Access:	○ HTTP ● HTTPS
Remote Upgrade:	☑ Enable
Allowed Remote IP Address:	● Any IP Address
	○ 0 . 0 . 0 . 0 - 0
Remote Management Port	443 (Range: 1 - 65535, Default: 443)
IPv4 Multicast Passthrough:(IGMP Proxy)	☑ Enable
IPv6 Multicast Passthrough:(IGMP Proxy)	□ Enable

Step 11. In the *IPv4 Multicast Passthrough:(IGMP Proxy)* field, check the **Enable** check box to enable multicast passthrough for IPv4.



IPv4 Multicast Passthrough:(IGMP Proxy) ☑ Enable

IPv6 Multicast Passthrough:(IGMP Proxy) □ Enable

UPnP ☑ Enable

Allow Users to Configure ☑ Enable

Allow Users to Disable Internet Access □ Enable

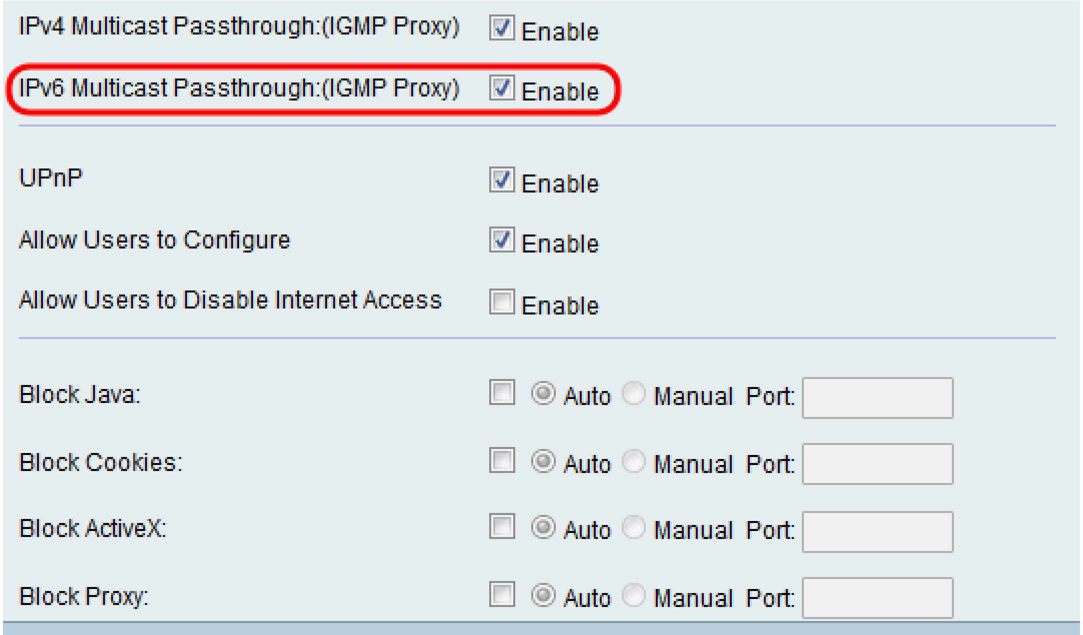
Block Java: □ ● Auto ○ Manual Port:

Block Cookies: □ ● Auto ○ Manual Port:

Block ActiveX: □ ● Auto ○ Manual Port:

Block Proxy: □ ● Auto ○ Manual Port:

Step 12. In the *IPv6 Multicast Passthrough:(IGMP Proxy)* field, check the **Enable** check box to enable multicast passthrough for IPv6.



IPv4 Multicast Passthrough:(IGMP Proxy) ☑ Enable

IPv6 Multicast Passthrough:(IGMP Proxy) ☑ Enable

UPnP ☑ Enable

Allow Users to Configure ☑ Enable

Allow Users to Disable Internet Access □ Enable

Block Java: □ ● Auto ○ Manual Port:

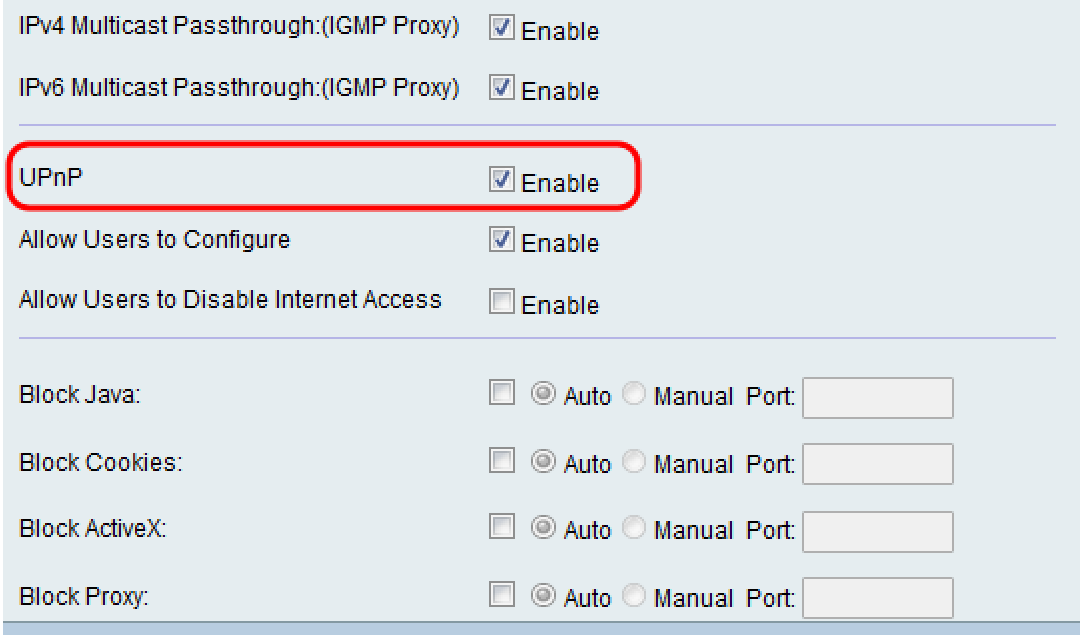
Block Cookies: □ ● Auto ○ Manual Port:

Block ActiveX: □ ● Auto ○ Manual Port:

Block Proxy: □ ● Auto ○ Manual Port:

Note: You may only enable this option if the device is configured to operate in an IPv6 mode on the **Networking > IP Mode** page.

Step 13. In the *UPnP* field, check the **Enable** check box to enable Universal Plug and Play (UPnP) which allows automatic discovery of devices that can connect to the router.



IPv4 Multicast Passthrough:(IGMP Proxy) ☑ Enable

IPv6 Multicast Passthrough:(IGMP Proxy) ☑ Enable

UPnP ☑ Enable

Allow Users to Configure ☑ Enable

Allow Users to Disable Internet Access □ Enable

Block Java: □ ● Auto ○ Manual Port:

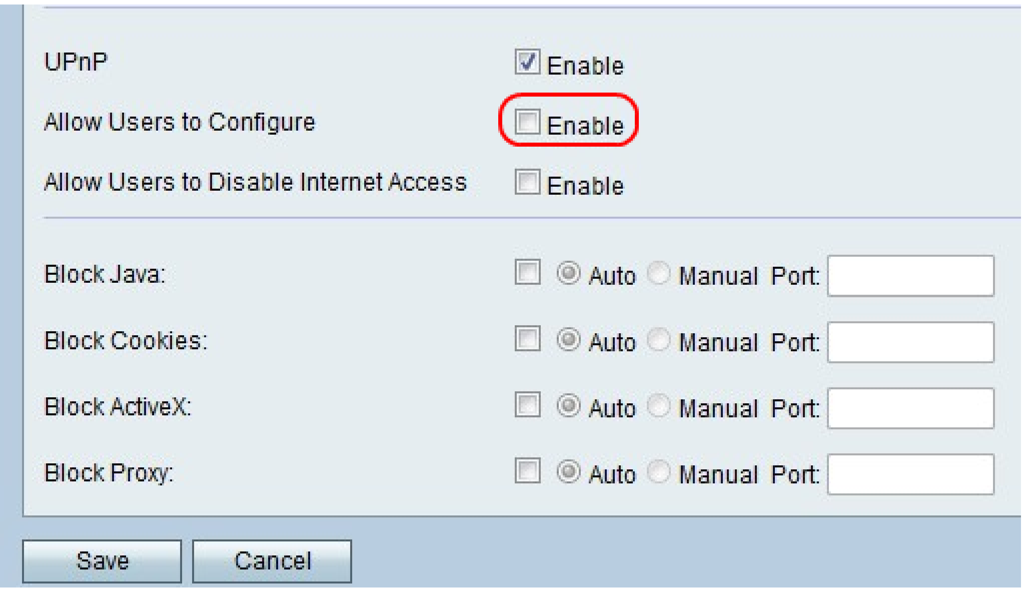
Block Cookies: □ ● Auto ○ Manual Port:

Block ActiveX: □ ● Auto ○ Manual Port:

Block Proxy: □ ● Auto ○ Manual Port:

Note: If you choose not to enable UPnP, skip to Step 16.

Step 14. In the Allow User to Configure field, check the **Enable** check box to allow users to set port-mapping rules o.



UPnP ☑ Enable

Allow Users to Configure □ Enable

Allow Users to Disable Internet Access □ Enable

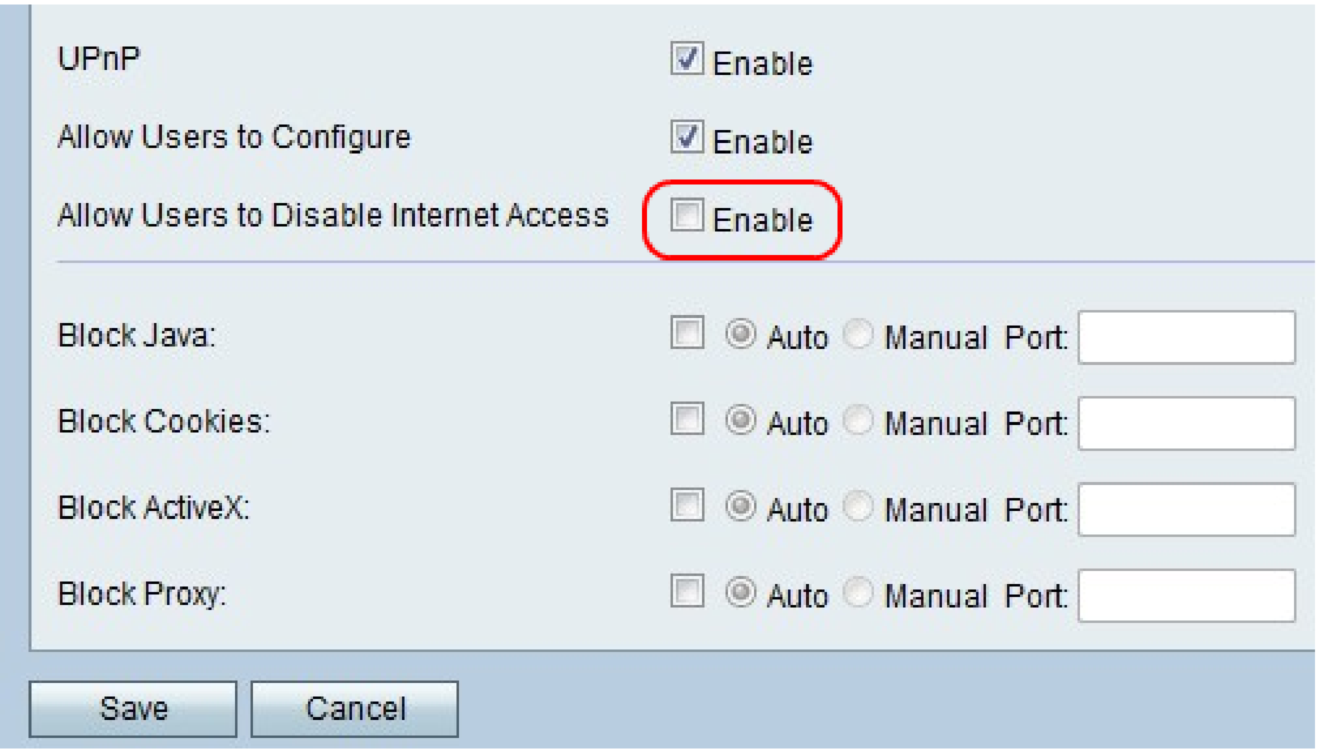
Block Java: □ ● Auto ○ Manual Port:

Block Cookies: □ ● Auto ○ Manual Port:

Block ActiveX: □ ● Auto ○ Manual Port:

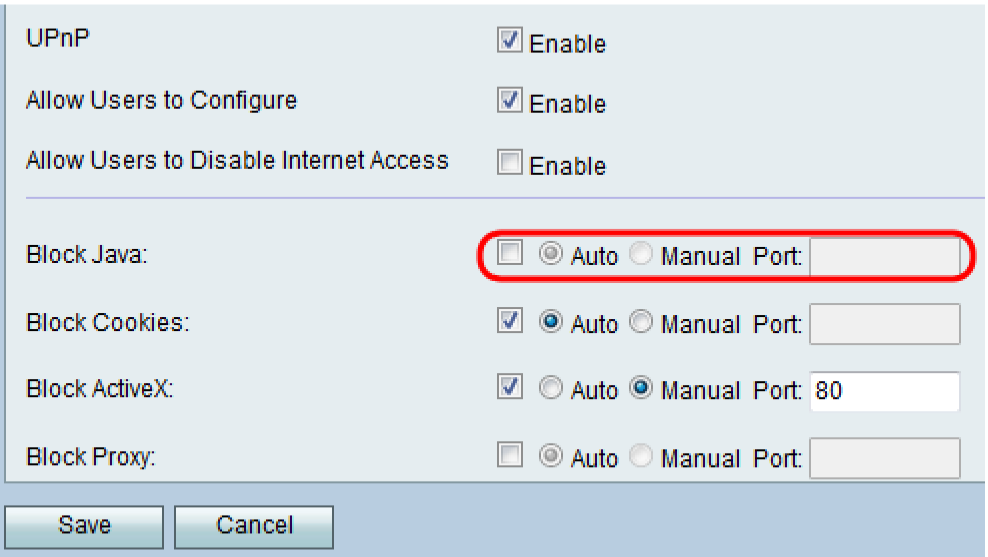
Block Proxy: □ ● Auto ○ Manual Port:

Step 15. In the *Allow Users to Disable Internet Access* field, check the **Enable** check box to allow users to disable Internet access.



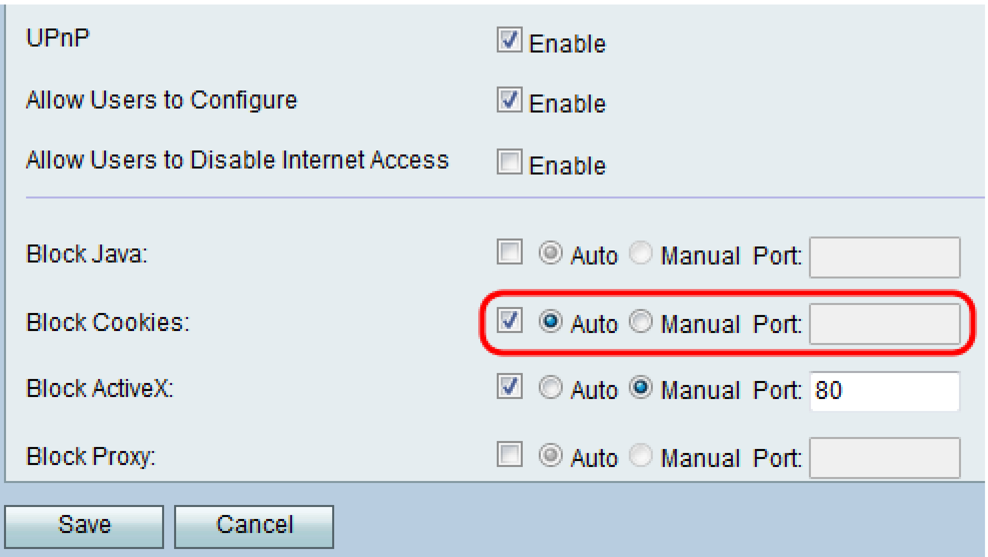
UPnP	☑ Enable
Allow Users to Configure	☑ Enable
Allow Users to Disable Internet Access	☐ Enable
Block Java:	☐ ● Auto ○ Manual Port:
Block Cookies:	☐ ● Auto ○ Manual Port:
Block ActiveX:	☐ ● Auto ○ Manual Port:
Block Proxy:	☐ ● Auto ○ Manual Port:

Step 16. In the *Block Java* field, check the **Enable** check box if you would like to block Java applets. Next click the **Auto** radio button to block Java on all ports, or click the **Manual** radio button to enter the port number in the *Port* field on which to block Java.



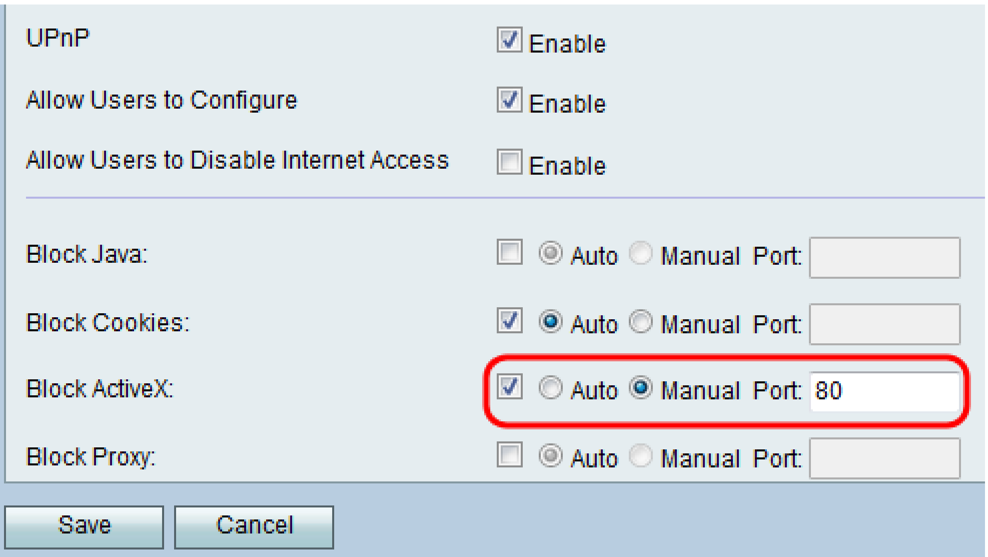
UPnP	☑ Enable
Allow Users to Configure	☑ Enable
Allow Users to Disable Internet Access	☐ Enable
Block Java:	☐ ● Auto ○ Manual Port:
Block Cookies:	☑ ● Auto ○ Manual Port:
Block ActiveX:	☑ ○ Auto ● Manual Port: 80
Block Proxy:	☐ ● Auto ○ Manual Port:

Step 17. In the *Block Cookies* field, check the **Enable** check box if you would like to block cookies. Next click the **Auto** radio button to block cookies on all ports, or click the **Manual** radio button to enter the port number in the *Port* field on which to block cookies.



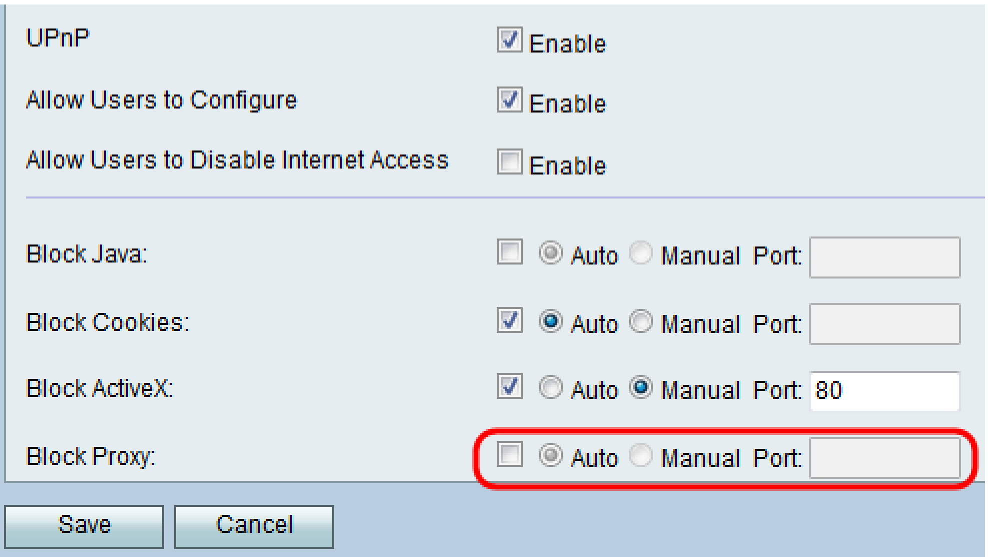
UPnP	☑ Enable			
Allow Users to Configure	☑ Enable			
Allow Users to Disable Internet Access	□ Enable			
Block Java:	□	● Auto	○ Manual	Port:
Block Cookies:	☑	● Auto	○ Manual	Port:
Block ActiveX:	☑	○ Auto	● Manual	Port: 80
Block Proxy:	□	● Auto	○ Manual	Port:

Step 18. In the *Block ActiveX* field, check the **Enable** check box if you would like to block ActiveX content. Next click the **Auto** radio button to block ActiveX content on all ports, or click the **Manual** radio button to enter the port number in the *Port* field on which to block ActiveX content.



UPnP	☑ Enable			
Allow Users to Configure	☑ Enable			
Allow Users to Disable Internet Access	□ Enable			
Block Java:	□	● Auto	○ Manual	Port:
Block Cookies:	☑	● Auto	○ Manual	Port:
Block ActiveX:	☑	○ Auto	● Manual	Port: 80
Block Proxy:	□	● Auto	○ Manual	Port:

Step 19. In the *Block Proxy* field, check the **Enable** check box to block proxy servers. Next click the Auto radio button to block proxy servers on all ports, or click the Manual radio button to enter the port number in the Port field on which to block proxy servers.



UPnP ☑ Enable

Allow Users to Configure ☑ Enable

Allow Users to Disable Internet Access □ Enable

Block Java: □ ● Auto ○ Manual Port:

Block Cookies: ☑ ● Auto ○ Manual Port:

Block ActiveX: ☑ ○ Auto ● Manual Port: 80

Block Proxy: □ ● Auto ○ Manual Port:

Step 20. Click **Save** to save changes or **Cancel** to discard them.