How to Configure Basic Firewall Settings on the RV130 and RV130W

Objective

Basic Firewall Settings can secure your network by creating and applying rules that the device uses to selectively block and allow inbound and outbound Internet traffic.
Features like Universal Plug and Play make it easy to connect devices to each other on your network without added configurations.

Universal Plug and Play (UPnP) allows automatic discovery of devices that can communicate with the device. Blocking Contents can help secure your computer because certain content can be sent to your device which may compromise security or infect your computer with malicious software. The ability to block specific content on the ports of your choosing is useful for greater firewall security.

The objective of this document is to show you how to configure Basic Firewall Settings on the RV130 and RV130W.

Applicable Devices

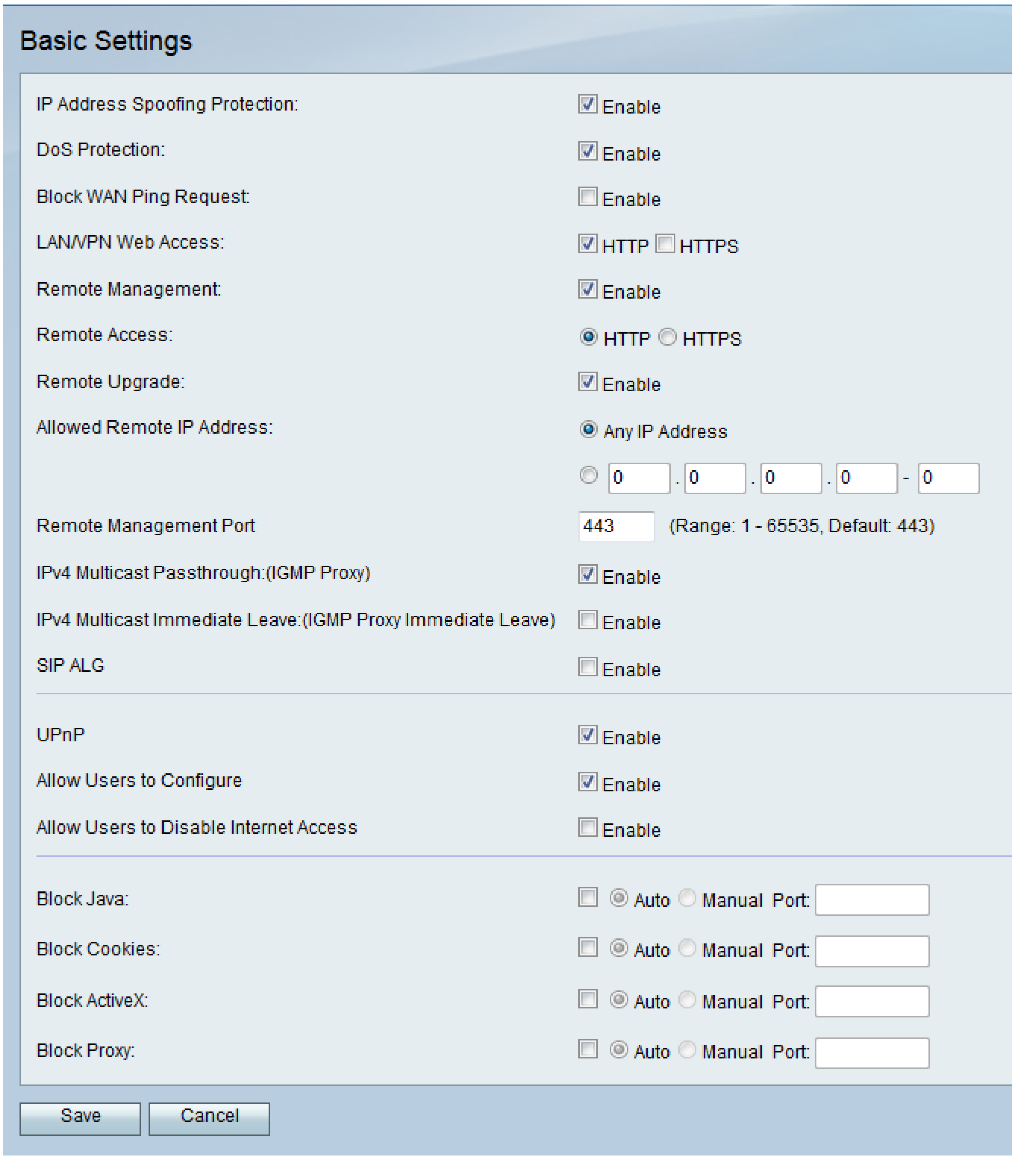
- RV130
- RV130W

Software Version

- v1.0.1.3

Configuring Basic Firewall Settings

Step 1. Log in to the web configuration utility and choose **Firewall** > **Basic Settings**. The Basic Settings page opens:



Basic Settings

IP Address Spoofing Protection: ☑ Enable

DoS Protection: ☑ Enable

Block WAN Ping Request: □ Enable

LAN/VPN 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

IPv4 Multicast Immediate Leave:(IGMP Proxy Immediate Leave) □ Enable

SIP ALG □ Enable

UPnP ☑ Enable

Allow Users to Configure ☑ Enable

Allow Users to Disable Internet Access □ Enable

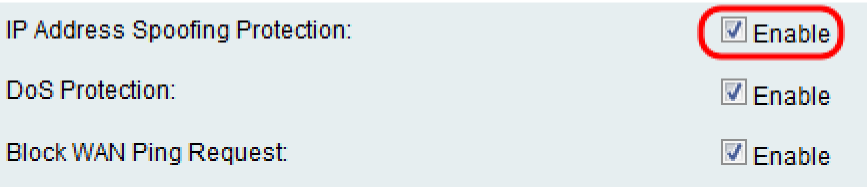
Block Java: □ ● Auto ○ Manual Port:

Block Cookies: □ ● Auto ○ Manual Port:

Block ActiveX: □ ● Auto ○ Manual Port:

Block Proxy: □ ● Auto ○ Manual Port:

Step 2. In the *IP Address Spoofing Protection* field, check the **Enable** check box to protect your network against IP address spoofing. IP Address Spoofing is when an unauthorized user tries to gain access to a network by impersonating another trusted device using its ip address as its own. It is recommended to enable *IP Address Spoofing Protection.*

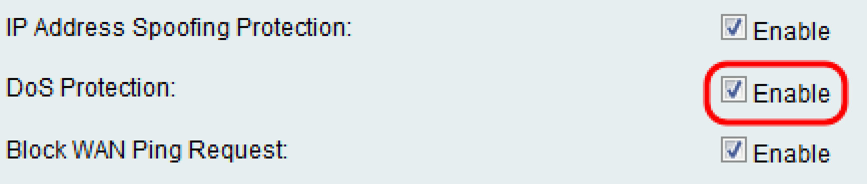


IP Address Spoofing Protection: ☑ Enable

DoS Protection: ☑ Enable

Block WAN Ping Request: ☑ Enable

Step 3. In the *DoS Protection* field, check the **Enable** check box to protect your network from Denial of Service attacks. Denial of Service Protection is used to protect a network from a Distributed Denial of Service (DDoS) attack. DDoS attacks are meant to flood a network to the point where the resources of the network become unavailable.

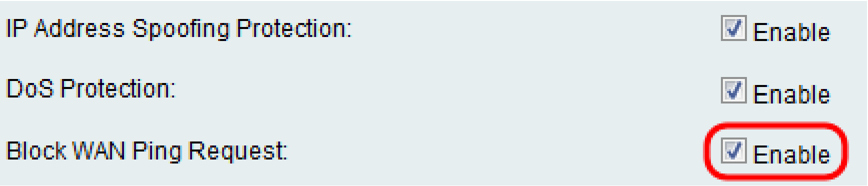


IP Address Spoofing Protection: ☑ Enable

DoS Protection: ☑ Enable

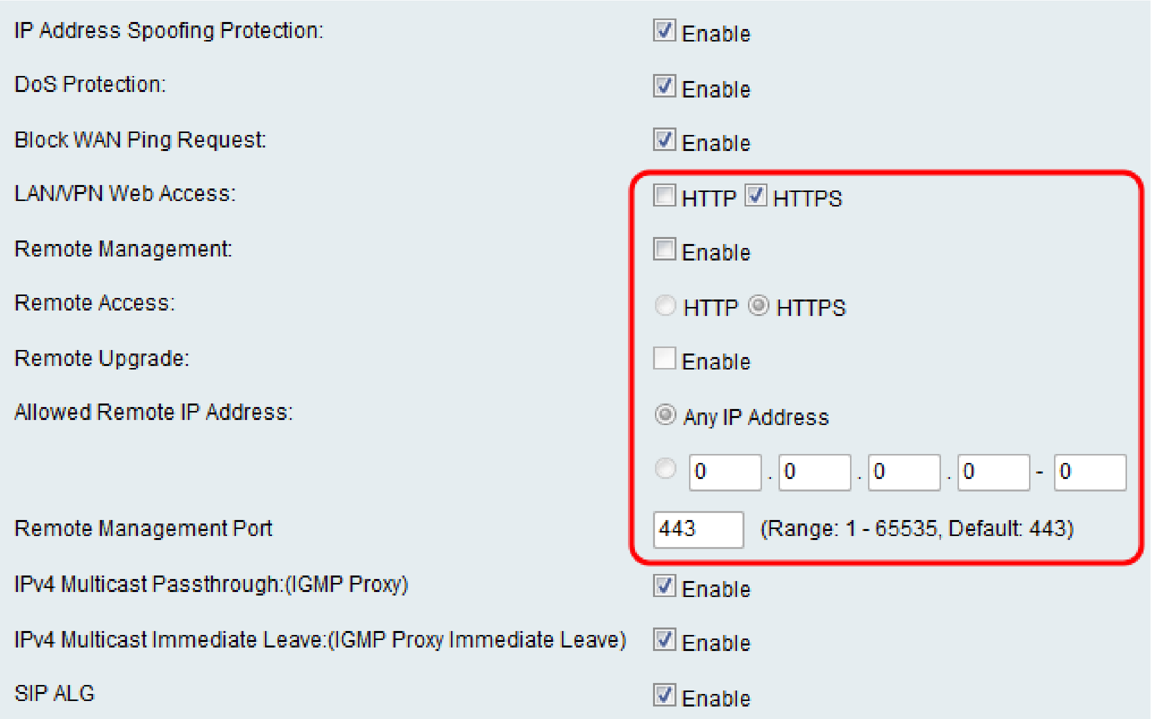
Block WAN Ping Request: ☑ Enable

Step 4. In the *Block WAN Ping Request* field, check the **Enable** check box to stop ping requests to your device from the external WAN network.



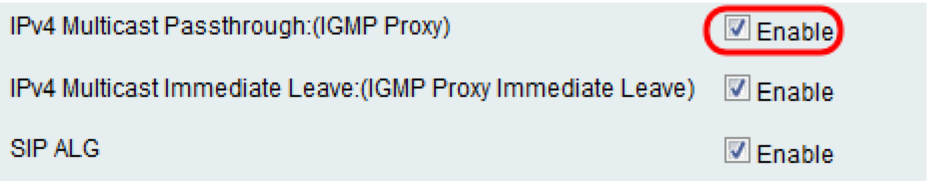
IP Address Spoofing Protection:	☑ Enable
DoS Protection:	☑ Enable
Block WAN Ping Request:	☑ Enable

Step 5. The listed fields from *LAN/VPN Web Access to Remote Management Port* are used to configure LAN and Remote Management Web Access. To learn more about these configurations, refer to [Configuration of LAN and Remote Management Web Access on the RV130 and RV130W]().



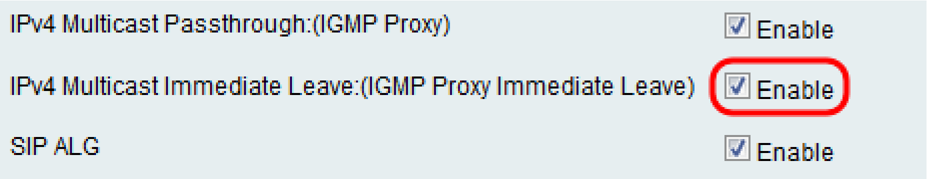
IP Address Spoofing Protection:	☑ Enable
DoS Protection:	☑ Enable
Block WAN Ping Request:	☑ Enable
LAN/VPN Web Access:	□ HTTP ☑ HTTPS
Remote Management:	□ Enable
Remote Access:	○ HTTP ● HTTPS
Remote Upgrade:	□ Enable
Allowed Remote IP Address:	● Any IP Address
	○ 0 . 0 . 0 . 0 - 0
Remote Management Port	443 (Range: 1 - 65535, Default: 443)
IPv4 Multicast Passthrough:(IGMP Proxy)	☑ Enable
IPv4 Multicast Immediate Leave:(IGMP Proxy Immediate Leave)	☑ Enable
SIP ALG	☑ Enable

Step 6. In the *IPv4 Multicast Passthrough:(IGMP Proxy)* field, check the **Enable** check box to enable the multicast passthrough for IPv4. This will forward group IGMP packets from the external WAN network to your internal LAN.



IPv4 Multicast Passthrough:(IGMP Proxy)	☑ Enable
IPv4 Multicast Immediate Leave:(IGMP Proxy Immediate Leave)	☑ Enable
SIP ALG	☑ Enable

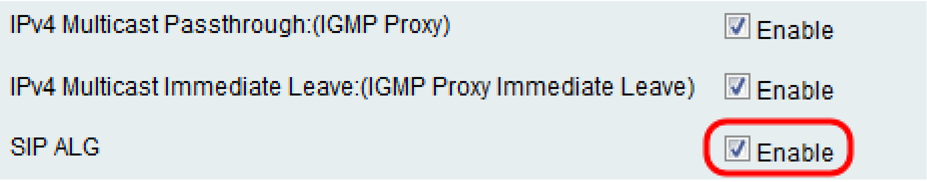
Step 7. In the *IPv4 Multicast Immediate Leave:(IGMP Proxy Immediate Leave)* field, check the **Enable** check box to enable the Multicast Immediate Leave. Enabling immediate leave ensures that optimal bandwidth management is provided to hosts on your network, even during times of simultaneous multicast group usage.



IPv4 Multicast Passthrough:(IGMP Proxy)	☑ Enable
IPv4 Multicast Immediate Leave:(IGMP Proxy Immediate Leave)	☑ Enable
SIP ALG	☑ Enable

Step 8. In the *Session Initiation Protocol (SIP) Application Layer Gateway (ALG)* field, check

the **Enable** check box to allow the Session Initiation Protocol (SIP) traffic to traverse the Firewall. Session Initiation Protocol (SIP) equips platforms to signal the setup of voice and multimedia calls over IP networks. Application Layer Gateway (ALG) or also known as Application Level Gateway is an application that translates IP address information inside the payload of an applications packet.



IPv4 Multicast Passthrough:(IGMP Proxy) ☑ Enable

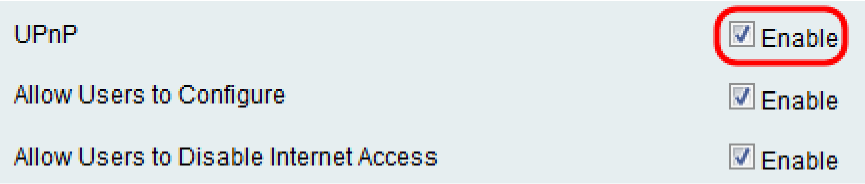
IPv4 Multicast Immediate Leave:(IGMP Proxy Immediate Leave) ☑ Enable

SIP ALG ☑ Enable

Note: The device supports a maximum of 256 SIP ALG sessions.

Configuring Universal Plug and Play

Step 1. In the *UPnP* field, check the **Enable** to enable the Universal Plug and Play (UPnP).

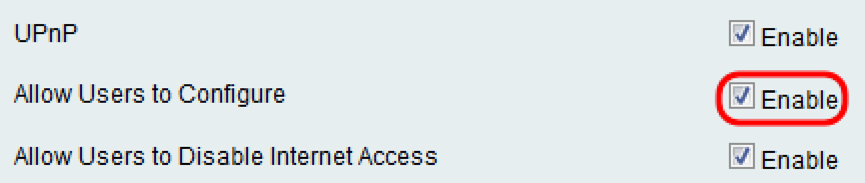


UPnP ☑ Enable

Allow Users to Configure ☑ Enable

Allow Users to Disable Internet Access ☑ Enable

Step 2. In the *Allow Users to Configure* field, check the **Enable** check box to allow the UPnP port-mapping rules to be set by users who have UPnP support enabled on their computers or other UPnP-enabled devices. If disabled, the device does not allow the application to add the forwarding rule.

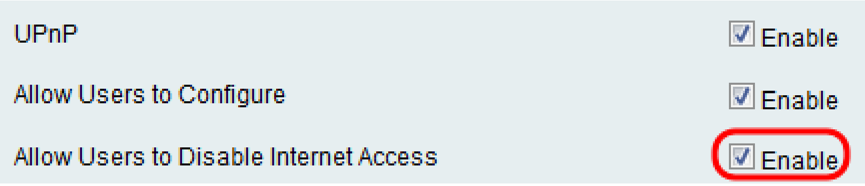


UPnP ☑ Enable

Allow Users to Configure ☑ Enable

Allow Users to Disable Internet Access ☑ Enable

Step 3. In the *Allow Users to Disable Internet Access* field, check the **Enable** check box to allow users to disable Internet access.



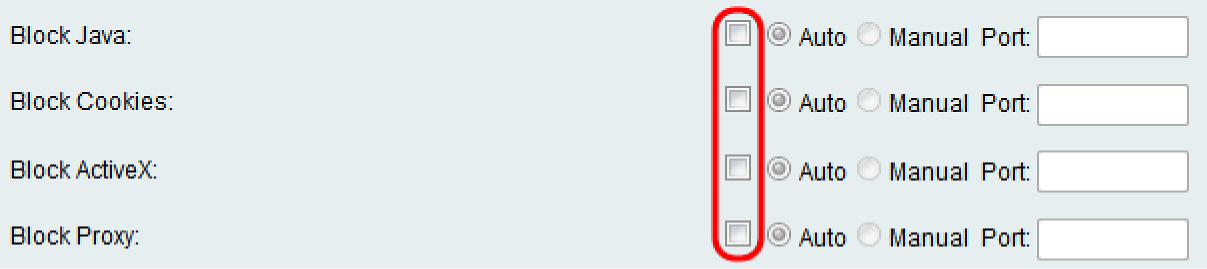
UPnP ☑ Enable

Allow Users to Configure ☑ Enable

Allow Users to Disable Internet Access ☑ Enable

Blocking Content

Step 1. Check the check box in the field that corresponds to the content you wish to block from the device.

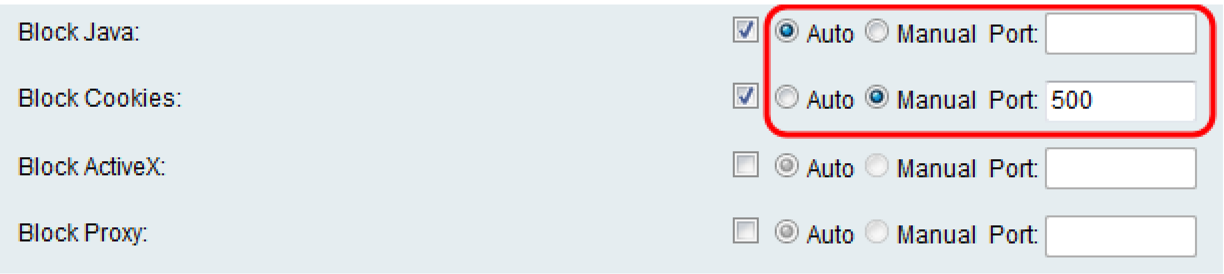


Block Java:	□	● Auto	○ Manual	Port:
Block Cookies:	□	● Auto	○ Manual	Port:
Block ActiveX:	□	● Auto	○ Manual	Port:
Block Proxy:	□	● Auto	○ Manual	Port:

The available options are defined as follows:

- Block Java — Blocks the downloading of Java applets.
- Block Cookies — Blocks the device from receiving cookie information from web pages.
- Block ActiveX — Blocks ActiveX applets which can be present when using Internet Explorer on the Windows operating system.
- Block Proxy — Blocks the device from communicating through a proxy server to external devices. This keeps the device from circumventing any firewall rules.

Step 2. Select either the **Auto** radio button to automatically block all instances of that particular content, or click the **Manual** radio button and enter a specific port in the corresponding field on which the content will be blocked.

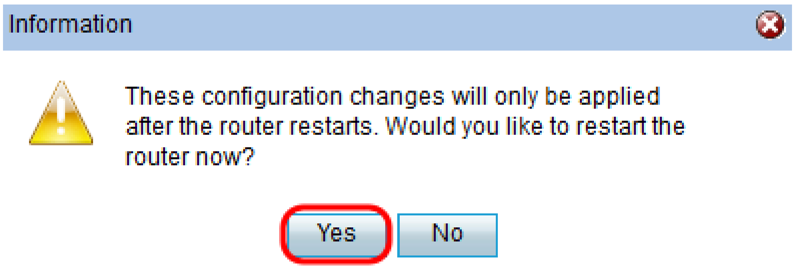


Block Java:	☑	● Auto	○ Manual	Port:
Block Cookies:	☑	○ Auto	● Manual	Port: 500
Block ActiveX:	□	● Auto	○ Manual	Port:
Block Proxy:	□	● Auto	○ Manual	Port:

Note: You may enter any desired number in the range (1-65535) for your port value.

Step 3. Click **Save** to save your settings.

Step 4. A window appears prompting you to restart your router. Click **Yes** to restart your router to apply the changes.



Information

These configuration changes will only be applied after the router restarts. Would you like to restart the router now?