

Firewall HotBrick LB-2 / LB-2 VPN

How To

How To setup VoIP behind a LB-2 router

Place the VoIP Adapter behind the LB-2 Router or Gateway.

1. Log into the Router/Gateway firmware interface and go to the **Advanced Setup** section. Click **Custom Virtual Server** configuration menu. Create entries in the configuration for the following ports: *(submit the form after each change)*

Protocol Type: UDP	
	Ports 5060-5070
	Port 69
	Port 123
	Ports 10,000-25,000

Note: The ports listed above are the general ranges that are used by VoIP adapters. Please consult your adapter's user manual or VoIP Reseller support for specific port ranges to use.

Custom Server Configuration	
Server Name	VoIP
State	☒ Enable ☐ Disable
Server IP	192.168.1.2 (ex.xxx.xxx.x)
Protocol Type	UDP
LAN Port Range	5060 ~ 5070
WAN Port Range	5060 ~ 5070
Interface Binding	WAN 1
Allowed Remote IP Range	0.0.0.0 ~ 0.0.0.0

Select which broadband connection to use by selecting either WAN 1 or WAN 2 through the **Interface Binding** field. Selecting **Both** will cause unexpected conflicts or interruptions. It is recommended to bind VoIP services to the broadband connection with the higher upload rate

2. Go to the **QoS Configuration** section, click **QoS Setup** and enable the following:

- ☒ QoS
- ☒ Process ToS Field
- ☒ Overwrite Policy Priority

QoS Features	
Enable QoS	☒ Enable
Queuing Method	Priority Queuing
IP TOS(type of service) Features	
Process TOS Field	☒ Enable
Overwrite Policy Priority	☒ Yes

3. Go the **Policy Configuration** screen. Indicate a policy name and set the source to **MAC Address**. In one of the 4 fields, input the MAC Address stamped on the bottom of your VoIP adapter and submit the changes.

Policy Priority	
Policy Name List	Select
Policy Name	VoIP
Source Address	MAC Address Select 1
	00-0E-0D-00-AC-9F , 00-00-00-00-00-00 , 00-00-00-00-00-00 , 00-00-00-00-00-00
Destination Address	IP Address Select 2
	From 0.0.0.0 To 0.0.0.0
Protocol Type	UDP Select
Source Port	From 5060 To 5070
Destination Port	From 5060 To 5070
Priority Queue	High Select

4. Enable **UPnP** on the Router/Gateway by going to **Advanced Setup** and **UPnP** configuration menu

Setup for the Router or Gateway to interface with the VoIP Adapter is complete. You may now utilize VoIP services on your network