Firewall/Network Configuration

The **ring-u** average customer has a consumer-oriented router and everything "just works."
This page is for customers with advanced needs and professional networking gear and experience.
Also take a look at:
Ideal Network Setup
Routers with Known Issues
Networking Disasters

Basic level

If your router, firewall or access points have rules for blocking VoIP traffic, often called "SIP ALG" or "SIP Traffic" and you are having issues, turn them off. You might have to create a rule that "allows UDP traffic" outbound. Your **ring-u** Hello Hub must be allowed to communicate via UDP and TCP to the internet in order to work. How to Disable SIP ALG on Popular Routers

Advanced level

Some firewalls require specific lists of allowed IP addresses and ports to connect to. This can get tricky, and the IP addresses involved my change. If your network security needs are high, consider a separate network (physical or VLAN) for your phone system. For basic system control and operations, the following are fairly consistent with most configurations:

IP	Type	Port(s)	
50.116.32.101	TCP	443,2211	**ring-u operations**
2600:3c02::f03c:91ff:fe24:fdf0	TCP	443,2211	**ring-u operations**
192.76.120.10	UDP,TCP	5060-5080	Upstream Provider SIP
192.76.120.66	UDP,TCP	5060-5080,3478,5349	Upstream Provider SIP/STUN&TURN
52.112.66.139	UDP,TCP	5060-5080	Upstream Provider SIP
2603:1037:0:c::f	UDP,TCP	5060-5080	Upstream Provider SIP

If you are using certain advanced configurations for remote extensions/phones you may need to add. Ask if you need this one, it is not common.

IP	Type	Port(s)	
198.74.53.36	UDP,TCP	5060-5080	VPN
2600:3c02::f03c:91ff:fe30:7233	UDP,TCP	1194	VPN

Due to the nature of SIP/VoIP traffic, actual call connections use a variety of UDP ports. It's best to **allow all outbound UDP traffic** from your Hello Hub. In this example: 192.168.1.210 is a Hello Hub and three calls in a row

```
192.168.1.210:14422 to 64.16.248.238:19192
192.168.1.210:25250 to 64.16.248.98:31282
192.168.1.221:5088 to 52.112.67.11:24251
```

Specialized Firewalls

For higher end firewalls, please observe manufacturers' best practices.
Untangle settings
SonicWall settings

Need more?

ring-u was founded by some very technical folks, please contact tech support if you need specific help with your network configuration.

From:
https://wiki.ring-u.com/wiki/ - **support wiki**

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