

Before you start!

- Port forwarding works best when using Apple Safari, Microsoft Internet Explorer 8, or Mozilla Firefox.
 - Note: Google Chrome and Microsoft Internet Explorer 9 have been identified to have problems completing port forwarding.
- Please be aware that if any settings are changed outside of the directions outlines below and it renders the modem non-functional, you may be required to purchase another device at full retail price plus any other associated costs (exchange fees, shipping costs, taxes, etc.).
- Complete all necessary tasks that require an Internet connection. This includes any calls made using a VoIP service (phone service that requires Internet connection). This is because there are several steps in the process which may require a reboot of the modem, which will in turn either disconnect a phone call or interrupt Internet connectivity.
- Please note that by default the ability to login to the modem across the internet from a remote location is disabled.

”

How to setup Port Forwarding

1. Open an internet browser and browse to the web address 192.168.15.1. The password is "CLEAR123" (all capital letters without the quotations).




Welcome to your modem configuration interface.
Enter the password supplied in the device Quick Start Guide:

Enter Password

LOG IN

2. The modem will default to the "Status" page when the user interface opens.

[Home](#)[Device Status](#)[Basic](#)[Advanced](#)



Clear Modem with Wi-Fi
WIXFBR-117

Signal Meter
● ● ● ● ●

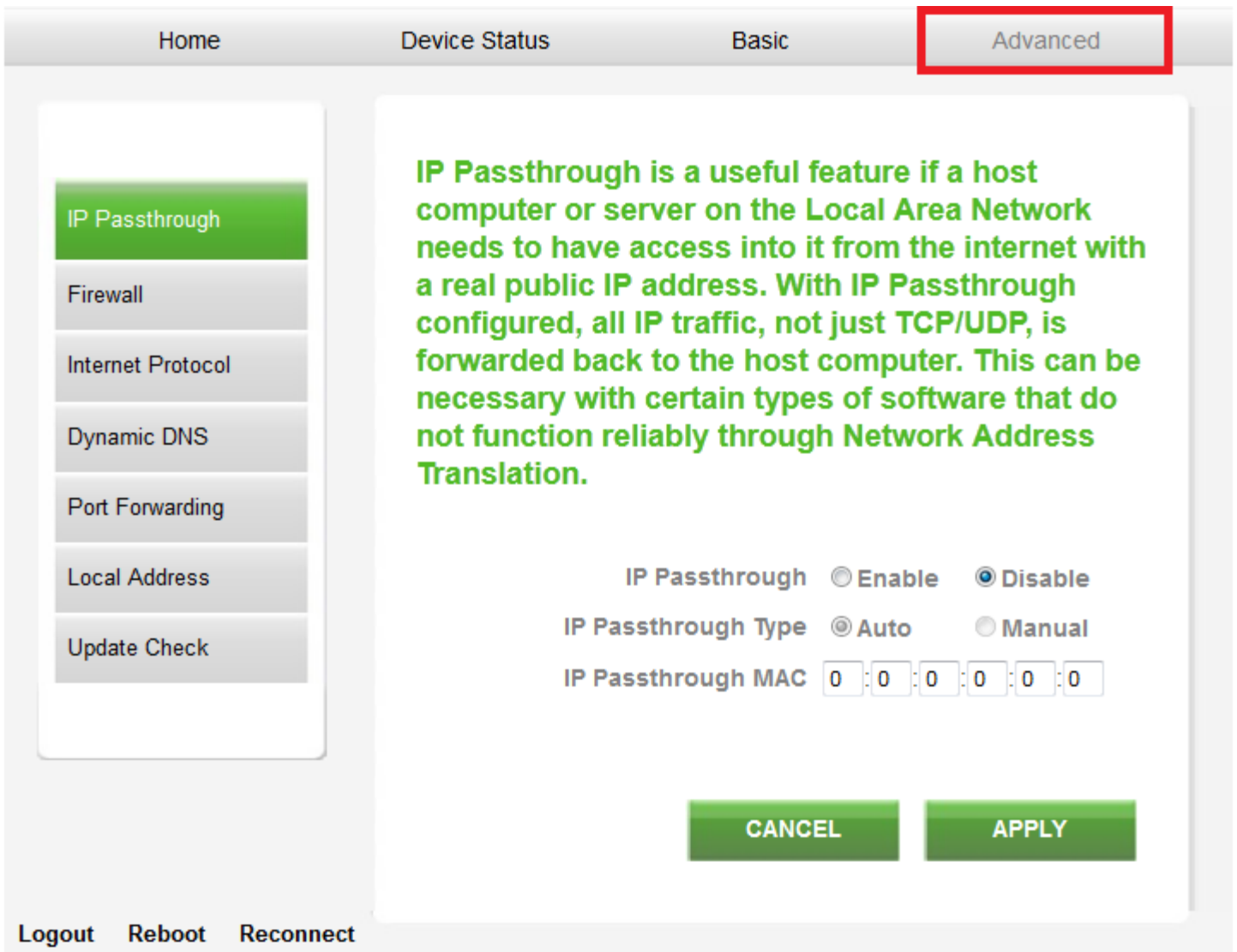
Welcome to Your Clear Modem configuration set up.

Current Device Settings:

Device Software Version	
WiMAX MAC ID	
CINR	40 dB
WAN IP Address	
Firewall	ON
Device Up Time	0days,0hours,6minutes
Port Forwarding	OFF
ATA Status	Disable
DM Status	Connected
<input type="radio"/> Off Hook	<input type="radio"/> Message Waiting

[Logout](#)[Reboot](#)[Reconnect](#)

3. Select the "Advanced" tab at the top right of the user interface.



4. Select the "Firewall" tab on the left side of the user interface.

HomeDevice StatusBasicAdvanced

IP Passthrough

Firewall

Internet Protocol

Dynamic DNS

Port Forwarding

Local Address

Update Check

Firewalls authorize Internet access to your home network. Please leave the default values for Firewall settings unless you know other values are correct for your preferences.

Operation Mode Gateway Mode

Enable Firewall ☒

Enable Web Login from Internet ☐

Web Login Port from Internet

Enable ping from Internet ☐

CANCELAPPLY

LogoutRebootReconnect

5. Uncheck the "Enable Firewall" checkbox and check the "Enable ping from Internet" checkbox, then select "Apply".
 - a. IMPORTANT: If you only need port forwarding for a gaming console or you do not need to be able to connect to devices behind the CLEAR modem remotely, the "Enable ping from internet" checkbox does not need to be selected.

HomeDevice StatusBasicAdvanced

IP PassthroughFirewallInternet ProtocolDynamic DNSPort ForwardingLocal AddressUpdate Check

Firewalls authorize Internet access to your home network. Please leave the default values for Firewall settings unless you know other values are correct for your preferences.

Operation Mode Gateway Mode

Enable Firewall ☐

Enable Web Login from Internet ☐

Web Login Port from Internet

Enable ping from Internet ☒

CANCELAPPLY

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6. Select the "Local Address" tab on the left side of the user interface.

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DHCP Server

Lease Status

Lease Reservation

Update Check

Enables Dynamic Host Configuration Protocol (DHCP) Server functionality on the LAN, allowing the modem to dynamically assign IP addresses to clients that connect to it from the local network.

Enable DHCP Server☒

DHCP Server IP Address192168151

DHCP Starting IP Address192168152

DHCP Ending IP Address19216815254

DHCP Lease Time24hours0minutes0seconds

CANCEL

APPLY

LogoutRebootReconnect

7. Select the "Lease Status" sub-tab under the "Local Address" tab on the left side of the user interface.

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IP PassthroughFirewallInternet ProtocolDynamic DNSPort ForwardingLocal AddressDHCP ServerLease StatusLease ReservationUpdate Check

Shows the active DHCP leases since the last reboot. For each active lease, the client host name, MAC address, IP address, and remaining lease duration are shown.

AUTO-REFRESH ☐

Host Name	MAC Address	IP Address	Remaining Lease Duration
WST41032153	F0:DE:F1:08:4C:1C	192.168.15.224	84857 seconds

LogoutRebootReconnect

8. Confirm the MAC Address and IP Address of the device to receive the forwarded ports, and copy them down for later use.

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DHCP ServerLease StatusLease Reservation

Update Check

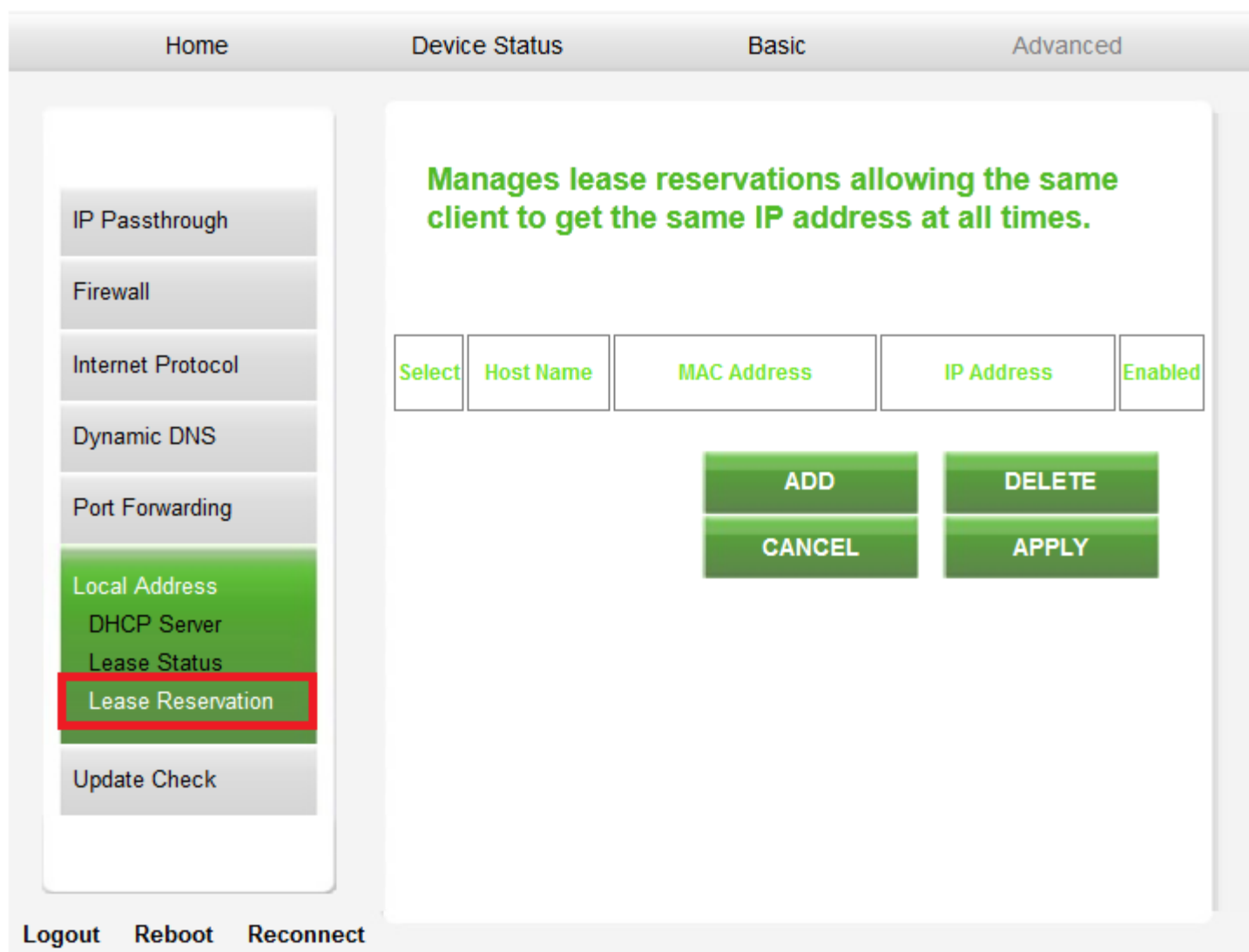
Shows the active DHCP leases since the last reboot. For each active lease, the client host name, MAC address, IP address, and remaining lease duration are shown.

AUTO-REFRESH ☐

Host Name	MAC Address	IP Address	Remaining Lease Duration
WST41032153	F0:DE:F1:08:4C:1C	192.168.15.224	84857 seconds

LogoutRebootReconnect

9. Select the "Lease Reservation" sub-tab under the "Local Address" tab on the left side of the user interface.



10. Select the "Add" button on the right side of the user interface.

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DHCP ServerLease StatusLease Reservation

Update Check

Manages lease reservations allowing the same client to get the same IP address at all times.

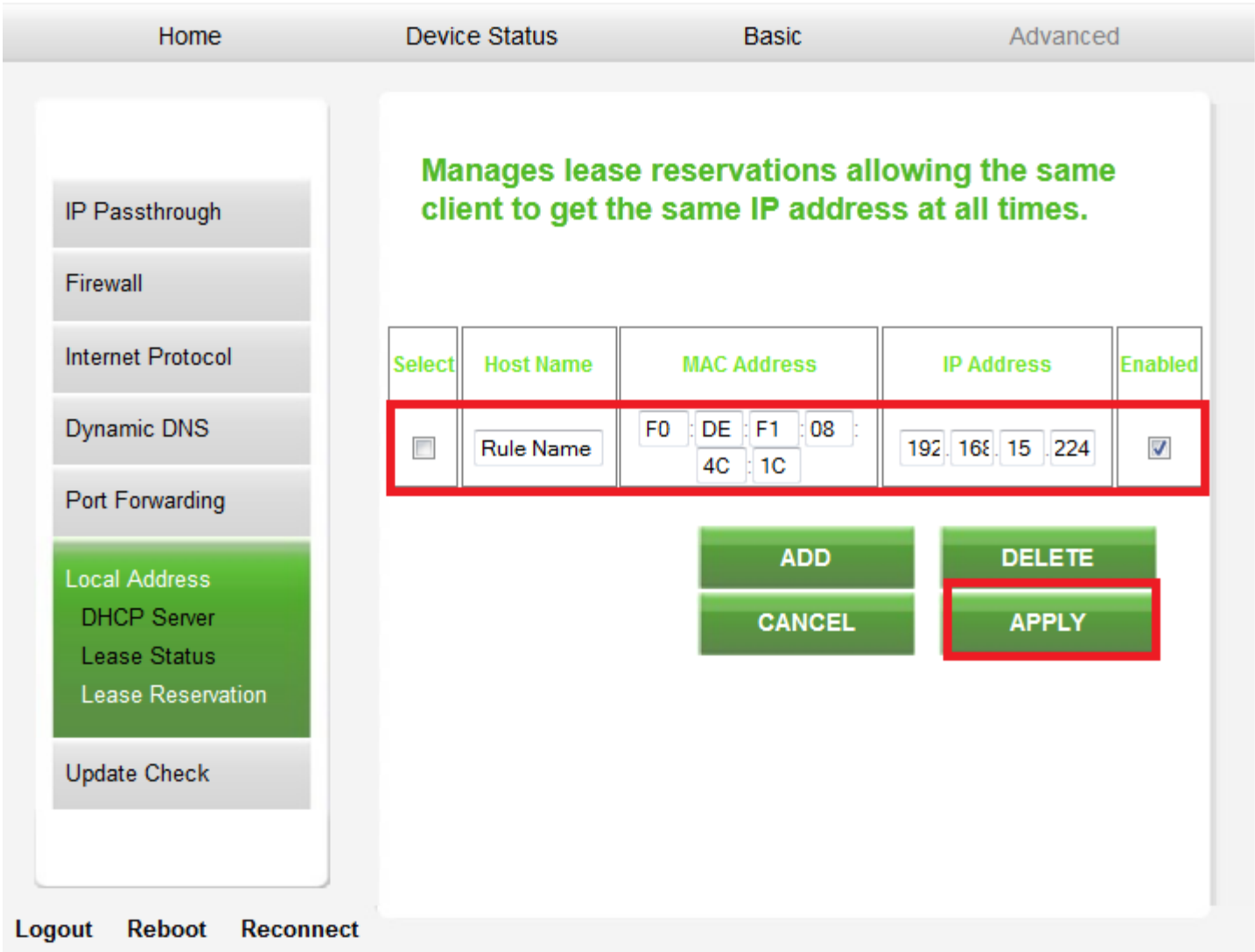
Select	Host Name	MAC Address	IP Address	Enabled
<div><div>ADD</div><div>CANCEL</div><div>DELETE</div><div>APPLY</div></div>				

LogoutRebootReconnect

11. Enter the device information:

- Client Host Name
- MAC Address of the device from Step 8
- IP Address from Step 8
- The "Select" checkbox does not need to be checked
- Ensure the "Enabled" checkbox is selected

Select "Apply" when all of this information has been entered.



12. Select the "Port Forwarding" tab on the left side of the user interface.

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IP PassthroughFirewallInternet ProtocolDynamic DNSPort ForwardingBasicForwardingLocal AddressUpdate Check

Enables Universal Plug and Play (UPNP) Internet Gateway Device (IGD) profile to allow certain Windows applications to setup the port forwarding rules dynamically on this device. Enables a specific LAN client to accept inbound connections which do not match with any forwarding rules.

Enable UPnP IGD ☒

DMZ IP Address . . .

CANCELAPPLY

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13. Ensure the "Enable UPnP IGD" checkbox is selected.
14. Ensure the "DMZ IP Address" field is blank. If there is anything in these boxes, remove it or "Zero it out" and select "Apply".

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Enables Universal Plug and Play (UPNP) Internet Gateway Device (IGD) profile to allow certain Windows applications to setup the port forwarding rules dynamically on this device. Enables a specific LAN client to accept inbound connections which do not match with any forwarding rules.

Enable UPnP IGD ☒

DMZ IP Address . . .

CANCEL

APPLY

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15. Select the "Forwarding" sub-tab under the "Port Forwarding" tab on the left side of the user interface.

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Forwards inbound connections destined to the ports on the WiMAX interface to a specific client on your local network.

Select	Protocol	WAN Port		LAN IP	Enabled
		Begin	End		

ADD

DELETE

CANCEL

APPLY

Logout
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16. Select the "ADD" button five (5) times, so that five (5) blank rows are available.

17. Enter the following information in those five (5) rows:

a. Row 1

- Protocol
 - Select "TCP"
- WAN Port Begin
 - Enter "1"
- WAN Port End
 - Enter "160"
- LAN IP
 - Enter the IP Address from Step 11

b. Row 2

- Protocol
 - Select "TCP"
- WAN Port Begin
 - Enter "162"
- WAN Port End
 - Enter "65535"
- LAN IP
 - Enter the IP Address from Step 11

c. Row 3

- Protocol
 - Select "UDP"
- WAN Port Begin
 - Enter "1"
- WAN Port End

- Enter "67"
 - LAN IP
 - Enter the IP Address from Step 11
- d. Row 4
- Protocol
 - Select "UDP"
 - WAN Port Begin
 - Enter "69"
 - WAN Port End
 - Enter "160"
 - LAN IP
 - Enter the IP Address from Step 11
- e. Row 5
- Protocol
 - Select "UDP"
 - WAN Port Begin
 - Enter "162"
 - WAN Port End
 - Enter "65535"
 - LAN IP
 - Enter the IP Address from Step 11
- f. Select the "Apply" button at the bottom of the user interface.

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Forwards inbound connections destined to the ports on the WiMAX interface to a specific client on your local network.

Select	Protocol	WAN Port		LAN IP				Enabled
		Begin	End					
<input type="checkbox"/>	TCP ▼	1	160	192	168	15	224	<input checked="" type="checkbox"/>
<input type="checkbox"/>	TCP ▼	162	65535	192	168	15	224	<input checked="" type="checkbox"/>
<input type="checkbox"/>	UDP ▼	1	67	192	168	15	224	<input checked="" type="checkbox"/>
<input type="checkbox"/>	UDP ▼	69	160	192	168	15	244	<input checked="" type="checkbox"/>
<input type="checkbox"/>	UDP ▼	162	65535	192	168	15	244	<input checked="" type="checkbox"/>

ADD

DELETE

CANCEL

APPLY

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18. Press the "Reboot" button at the bottom of the page and wait for the modem to restart. Make sure to NOT factory reset the device (or all settings will be lost).

The modem is now "wide open" and all ports are forwarded to the first NAT capable device hooked up after the modem.

Any further issues with port forwarding will need to be addressed with your 3rd party network equipment vendor, or 3rd party software vendor.