

Before you Start!

- Port forwarding works best when using Apple Safari, Microsoft Internet Explorer 8, or Mozilla Firefox.
 - 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 outlined 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 set-up Port Forwarding

1. Open an internet browser and browse to the web address <http://clearspot> or <http://192.168.1.1>. The password is "admin" (without the quotations).

The screenshot displays the CLEAR Spot Voyager web interface. At the top left is the CLEAR logo, and at the top right is the device name "CLEAR Spot Voyager". Below the header, there are status indicators: "Users" with a group of icons, "4G" with five green signal strength dots, and "Battery" with a green battery icon and the text "Charging".

On the left side, there is a login section with a text input field, a green "LOGIN" button, and a link for "FORGOT PASSWORD?". At the bottom of this section is a green "Language" button.

On the right side, there is a "Help" link and an image of the CLEAR Spot Voyager device. Below the image is the "Status Summary" section, which is divided into two main categories: "4G Status" and "Wi-Fi Status".

4G Status	
Status	CONNECTED
BSID	Signal Frequency

Wi-Fi Status			
Wi-Fi Network Name		Wi-Fi Channel	Auto (Ch. 5)
Wi-Fi Range	Short	Security Type	WPA/WPA2

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

LOGOUT

Summary

Device Setup

Device Update

Wi-Fi Settings

Advanced Settings

Help

Help



Status Summary

4G Status

Status	CONNECTED	Signal	
BSID		Frequency	

Wi-Fi Status

Wi-Fi Network Name		Wi-Fi Channel	Auto (Ch. 5)
Wi-Fi Range	Short	Security Type	WPA/WPA2

Device

Device Uptime	00:03:56	IP Address	
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3. Select the “Advanced Settings” tab on the left side of the user interface.

- The modem will default to the 4G Information after selecting the Advanced Settings (as shown below)

LOGOUT

Summary

Device Setup

Device Update

Wi-Fi Settings

Advanced Settings

4G Information

Firewall

Router

System

Device Log

Help

REBOOT

Help



4G Information

Link Stats

4G Status	BSID
Frequency	Preamble
NAP ID	RSSI
CINR	RSSI Ant 1
CINR Ant 1	RSSI Ant 2
CINR Ant 2	TX Power Mean
TX Power	Device Uptime
MAC Address	4G Connect Time
IP Address	

Neighbor List

4. Select Firewall and check the “Enable ping from internet” checkbox.

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.

The screenshot shows the CLEAR modem web interface. On the left is a navigation menu with a 'LOGOUT' button at the top and a 'REBOOT' button at the bottom. The menu items are: Summary, Device Setup, Device Update, Wi-Fi Settings, **Advanced Settings**, 4G Information, **Firewall** (highlighted with a red box), Router, System, Device Log, and Help. The main content area is titled 'Firewall Settings' and features a 'Help' link in the top right. Below the title is an image of the CLEAR modem. The text reads: 'The Firewall authorizes internet access to your CLEAR Spot. Please refer to Help for information on the settings.' There are three settings: 'Enable Web Login from Internet' with an unchecked checkbox, 'Web Login Port from Internet' with a text box containing '80', and 'Enable ping from Internet' with a checked checkbox (highlighted with a red box). At the bottom right are 'CANCEL' and 'APPLY' buttons.

5. Select "Router" under "Advanced Settings".

The screenshot shows the CLEAR modem web interface with the 'Router' option selected in the navigation menu (highlighted with a red box). The main content area is titled 'Router Settings' and features a 'Help' link in the top right. Below the title is an image of the CLEAR modem. The settings are organized into three sections: 'Universal PnP' with 'Enable UPnP IGD' and an unchecked checkbox; 'DMZ Host' with 'Enable DMZ Host' and an unchecked checkbox, and 'DMZ IP Address' with a text box containing '192.168.1.'; and 'Port Forwarding' which contains a table. The table has columns for 'Select', 'Name', 'Protocol', 'WAN Port' (subdivided into 'Begin' and 'End'), 'LAN IP', and 'Enabled'. The first row shows 'TCP' in the Protocol column, '192.168.1.' in the LAN IP column, and an unchecked checkbox in the Enabled column.

Select	Name	Protocol	WAN Port		LAN IP	Enabled
			Begin	End		
		TCP			192.168.1.	<input type="checkbox"/>

6. UPnP and DMZ

- Enable UPnP IGD checkbox needs to be selected.
- The DMZ IP Address field is left blank.



Router Settings

Universal PnP

Enable UPnP IGD

DMZ Host

Enable DMZ Host

DMZ IP Address 192.168.1.

Port Forwarding

Select	Name	Protocol	WAN Port		LAN IP	Enabled
			Begin	End		
<input type="checkbox"/>	<input type="text"/>	TCP	<input type="text"/>	<input type="text"/>	192.168.1. <input type="text"/>	<input type="checkbox"/>

DELETE

ADD

7. Review the "DHCP Lease Status".

- Confirm the MAC and IP address of the device receiving the forwarded ports and copy them down for later use.

DHCP Lease Status

Host Name	MAC Address	IP Address	Remaining Lease Duration
WST41032153	42:92:DE:29:B4:7C	192.168.1.10	0 hours 48 minutes 1 second

8. Specific information will now need to be input to set up the "DHCP Lease Reservation".

9. Enter the device information:

- Client Host Name
- MAC Address of the device from step 7
- IP address from step 7
- You do not have to select the "Select" Checkbox
- Ensure the "Enabled" checkbox is selected.

10. Select the "Add" Button (this will load a blank line, this is REQUIRED to apply the changes)

DHCP Lease Reservation

Select	Host Name	MAC Address	IP Address
<input type="checkbox"/>	Host Name	42 : 92 : DE : 29 : B4 : 7C	192.168.1.10
		: : : : : : :	192.168.1.

11. Now details can be input into the "Port Forwarding" section.

1. Select the "Add" Button
2. Enter the Following information for "Line 1":
 - Protocol:
 - Select "BOTH" from the dropdown
 - WAN Port Begin:
 - Enter the number: 1
 - WAN Port End:
 - Enter the number: 65535
 - LAN IP:
 - Enter the IP address that was assigned in the lease reservation

12. Check the box for "Enabled"

13. Select the "Add" Button (this will load a blank line, this is REQUIRED to apply the changes)

Port Forwarding

Select	Name	Protocol	WAN Port		LAN IP	Enabled
			Begin	End		
<input type="checkbox"/>	Rule Name	BOTH	1	65535	192.168.1.10	<input checked="" type="checkbox"/>
		TCP			192.168.1.	<input type="checkbox"/>

14. Scroll to the bottom and select "Apply".

DHCP Server

Enable DHCP Server

DHCP Server IP Address: 192.168 . 1 . 1

DHCP Starting IP Address: 192 . 168 . 1 . 10

DHCP Ending IP Address: 192 . 168 . 1 . 250

DHCP Lease Time: 1 hours

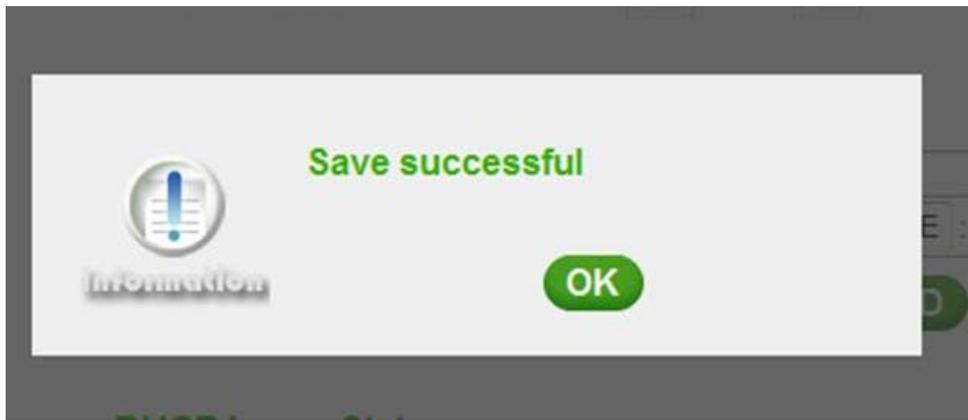
DHCP Lease Reservation

Select	Host Name	MAC Address	IP Address
<input type="checkbox"/>	Host Name	42 : 92 : DE : 29 : B4 : 7C	192.168.1.10
		: : : : : : :	192.168.1.

DHCP Lease Status

Host Name	MAC Address	IP Address	Remaining Lease Duration
WST41032153	42:92:DE:29:B4:7C	192.168.1.10	0 hours 48 minutes 1 second

15. You should then receive a "Save Successful" prompt.



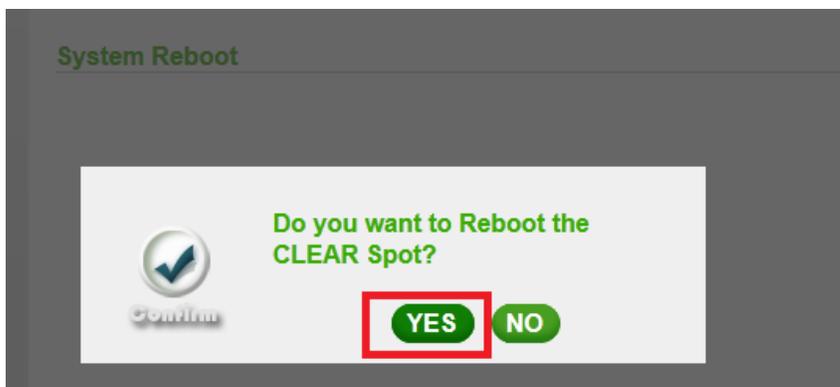
16. Select the "Reboot" button located under "Help"

The screenshot shows a web interface for router settings. On the left is a vertical sidebar with menu items: Device Setup, Device Update, Wi-Fi Settings, Advanced Settings (highlighted in green), 4G Information, Firewall, Router, System, Device Log, and Help. Below the sidebar is a green button labeled 'REBOOT' with a red border. The main content area is titled 'Router Settings' and contains three sections: 'Universal PnP' with a checked checkbox for 'Enable UPnP IGD'; 'DMZ Host' with an unchecked checkbox for 'Enable DMZ Host' and a text input field for 'DMZ IP Address' containing '192.168.1.'; and 'Port Forwarding' which includes a table and two buttons: 'DELETE' and 'ADD'.

Select	Name	Protocol	WAN Port		LAN IP	Enabled
			Begin	End		
<input type="checkbox"/>	RuleName	BOTH	1	65535	192.168.1.10	<input checked="" type="checkbox"/>
		TCP			192.168.1.	<input type="checkbox"/>

17. A prompt asking "Do you want to reboot the CLEAR Spot?" will appear.

18. Select the "Yes" option.



19. The "System Reboot" screen will appear during the reboot.

[Help](#)



System Reboot

Please reconnect after your CLEAR Spot is completely rebooted.

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.