

PORT FORWARDING HELP

1. Materials needed –
 - a. Laptop / Computer
 - b. 2 - Ethernet cables
 - c. Routers **USER NAME** and **PASSWORD**
2. Connect Ethernet cable to the LAN Port on the back of the DVR/NVR connect other end to router
3. From DVR/NVR, Right click > click MENU > click CONFIGURATION > click NETWORK
4. Check the box **ENABLE DHCP**



- 5.
6. Click **APPLY** > click **BACK** > click **MAINTENANCE** > click **NETWORK** at top of page
7. You **IPv4 ADDRESS, SUBNET, GATEWAY & PREFERRED DNS SERVER**, should all be filled out
8. Take a picture/write down everything you see on the screen
9. At your computer, turn off your WiFi and connect Ethernet cable from your computer to the router
10. Open INTERNET EXPLORER and type in your **IPv4 GATEWAY**
11. This should take you to your router, where you need the routers **User Name** and **Password**
12. Find the **Port Forwarding** section of your router. Could be under 'advanced' or 'gaming'
 - a. If you are not familiar with how to port forward on the Router you are working on, go to www.youtube.com and search "how to port forward router model number..." There are hundreds of tutorials on how to port forward from just about any router
13. After you find the **Port Forwarding** section, you need to port forward ports, 80, 8000 & 554 to the IPv4 Address you took a picture/wrote down in step #8
14. To check to make sure all your ports are open, go to www.portchecker.co
15. The IP Address section that is highlighted below, is your **External IP Address**, write that number down

Your IP Address is 108.195.202.234

IP Address	Port Number	Check
108.195.202.234	80	

HTTP - 80 SFTP - 115 SMTP - 25 HTTP - 8080 FTP - 21 SSH - 22
IMAP - 143 HTTPS - 443 RSYNC - 873 POP3 - 110 IMAPS - 993

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Port 80 is closed.

16. Click **CHECK**, and make sure it says **Port 80 is OPEN**
17. Then change the **PORT NUMBER** to **8000**, click **CHECK**, then **554**, click **CHECK**.
18. All ports should say **OPEN**
19. If any of the ports say **Closed** your firewall is still blocking remote access
20. Go back to Step #10 and redo the **Port Forwarding Rules** on any of the ports that say **Closed**
21. Once all the ports say **Open**, go back to **Menu>Config>Network**, and uncheck the box for **Enable DHCP**