

How to open port on router

Q: If your DVR is connected to internet via router, what port needs to open?

A: You will need to open HTTP port, client port on EL DVR



You will need to open HTTP port, client port on EL DVR

You can find the port info:

Step 1:

Right click USB mouse button to bring OSD menu and click “Main Menu” icon.



Step 2:
Select “Network”



Step 3:
You can check HTTP Port info. Default is 80
You can check Client Port info. Default is 9000

User have 3 ways to open port on router:

1. DMZ
2. Open port manually
3. Portforward.com

Below are 2 examples for setting DMZ on your router

The screenshot shows the D-Link DIR-615 web interface. The left sidebar lists various settings: VIRTUAL SERVER, PORT FORWARDING, APPLICATION RULES, QOS ENGINE, NETWORK FILTER, ACCESS CONTROL, WEBSITE FILTER, INBOUND FILTER, FIREWALL SETTINGS (selected), ROUTING, ADVANCED WIRELESS, ADVANCED NETWORK, and IPV6. The main content area is titled 'FIREWALL SETTINGS' and includes sections for 'FIREWALL SETTINGS', 'NAT ENDPOINT FILTERING', 'ANTI-SPOOF CHECKING', and 'DMZ HOST'. The 'DMZ HOST' section is expanded, showing the 'Enable DMZ' checkbox checked and the 'DMZ IP Address' field set to '192.168.0.109'. A 'Computer Name' dropdown menu is also visible.

DMZ

This example is D-link DIR615

Step 1:

Go to “Advanced” → “Firewall setting” → click “Enable DMZ”

Step 2:

The DMZ IP address is DVR’s IP address. You can check DVR’s IP address in “Main menu” → “Network”

Step 3:

Click “Save Settings”

The screenshot shows the ASUS Wireless Broadband Router web interface. The top navigation bar includes: Wizard, System, WAN, LAN, NAT (selected), Firewall, Routing, UPnP, DDNS, Wireless, and Logout. The main content area is titled 'NAT Settings' and includes a 'DMZ' section with an 'Enabled' checkbox checked. Below this is a 'DMZ table' with columns for 'Public IP Address', 'IP Address of Virtual DMZ Host', and 'Action'. The table contains two entries: one with '218.167.73.11' and '192.168.10.109' (with an '<< Add' button), and another with '218.167.73.11' and '192.168.10.109' (with a 'Delete' button). At the bottom are 'OK' and 'Cancel' buttons.

DMZ

This example is ASUS router

Step 1:

Go to “NAT” → “DMZ” → click “enable”

Step 2:

Enter your DVR’s IP address and click “Add”. You can check DVR’s IP address in “Main menu” → “Network”

Step 3:

Click “OK”

Below are 2 examples for open port manually on your router

D-Link

DIR-615

SETUP ADVANCED TOOLS STATUS

VIRTUAL SERVER

The Virtual Server option allows you to define a single public port on your router for redirection to an internal LAN IP Address and Private LAN port if required. This feature is useful for hosting online services such as FTP or Web Servers.

Save Settings Don't Save Settings

24 --- VIRTUAL SERVERS LIST

| | Name | IP Address | Port | Traffic Type | Schedule |
|-------------------------------------|------------|---------------|-------|--------------|----------|
| <input checked="" type="checkbox"/> | DVR_http | 192.168.0.109 | 80 | Both | Always |
| <input checked="" type="checkbox"/> | DVR_Client | 192.168.0.109 | 9000 | Both | Always |
| <input checked="" type="checkbox"/> | DVR_Mobile | 192.168.0.109 | 18004 | Both | Always |

Virtual Server

This example is D-link DIR615

Step 1:

Go to “Advanced” → “Virtual Server”

Step 2:

Enter HTTP port, Client port info

Step 3:

Enter your DVR’s IP address. You can check DVR’s IP address in “Main menu” → “Network”

Wireless Broadband Router

Wizard System WAN LAN NAT Firewall Routing UPnP DDNS Wireless Logout

NAT Settings

Virtual Server

Special Application Port Mapping ALG DMZ

| | Private IP | Private Port | Type | Public Port | Comment | Enabled |
|----|----------------|--------------|------|-------------|---------|-------------------------------------|
| 1. | 192.168.10.109 | 80 | Both | 80 | Http | <input checked="" type="checkbox"/> |
| 2. | 192.168.10.109 | 9000 | Both | 9000 | Client | <input checked="" type="checkbox"/> |
| 3. | 192.168.10.109 | 18004 | Both | 18004 | Mobile | <input checked="" type="checkbox"/> |
| 4. | 192.168.10. | | TCP | | | <input type="checkbox"/> |
| 5. | 192.168.10. | | TCP | | | <input type="checkbox"/> |

Virtual Server

This example is ASUS router

Step 1:

Go to “NAT” → “Virtual Server”

Step 2:

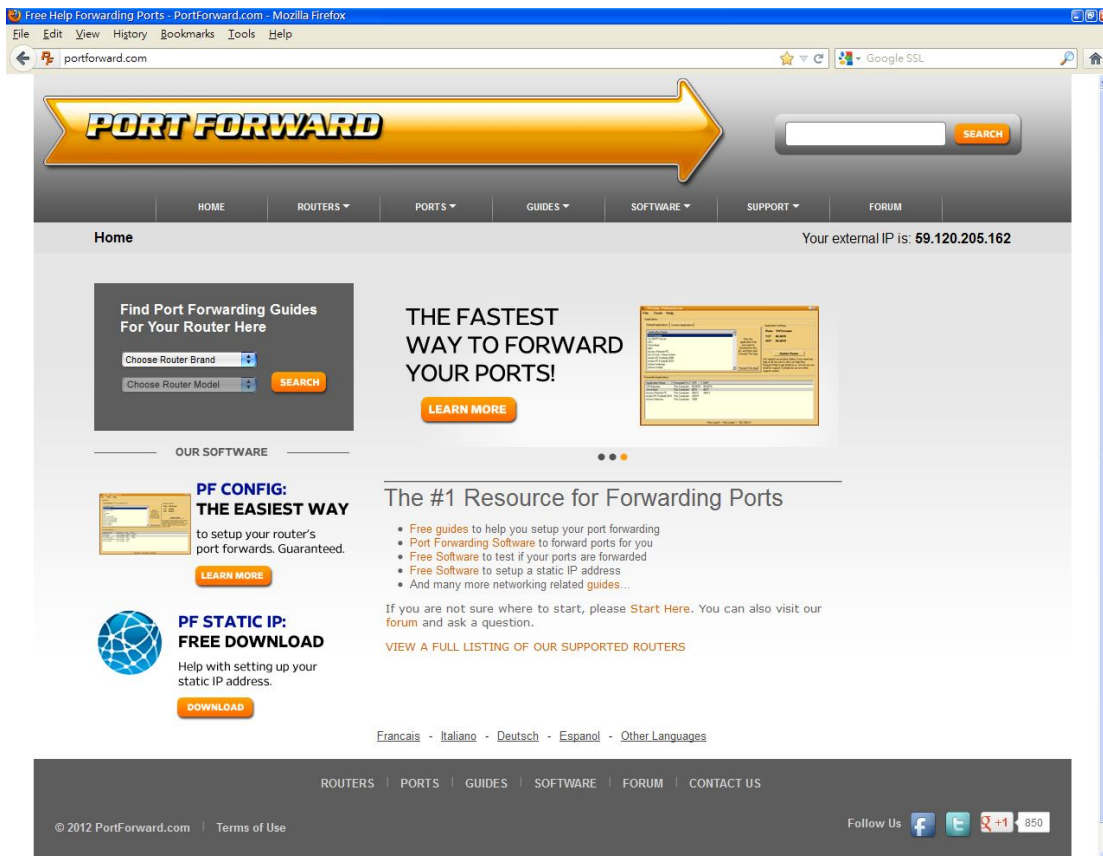
Enter HTTP port, Client port info

Step 3:

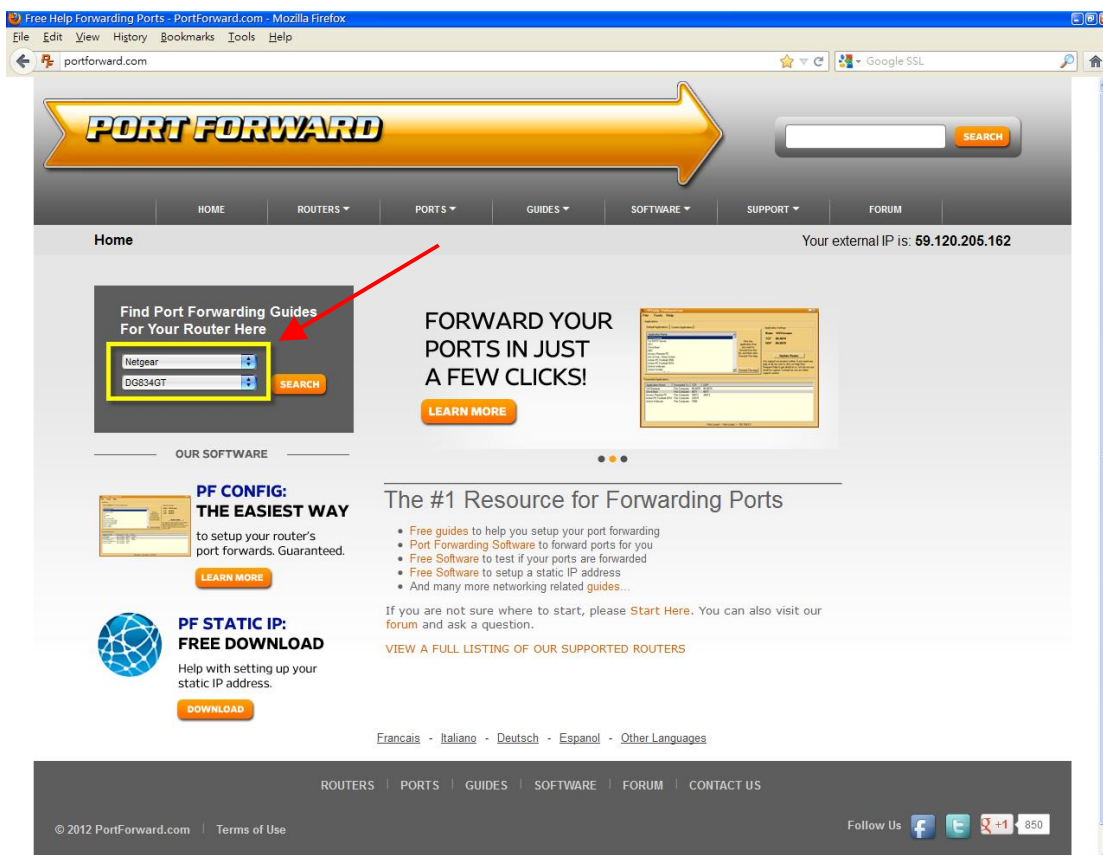
Enter your DVR’s IP address. You can check DVR’s IP address in “Main menu” → “Network”

How to use portforward.com to help you setup your router

1. Go to website <http://portforward.com/>



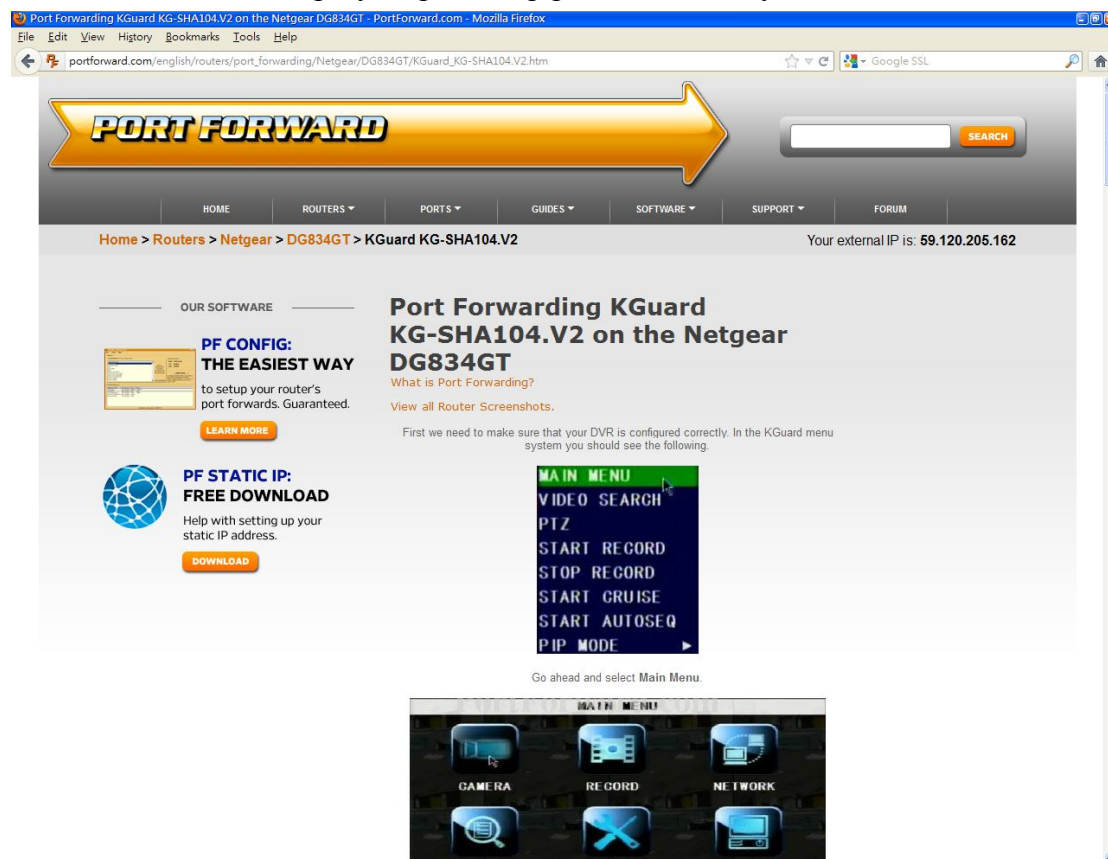
2. Select your router, model number and click “search” button



3. After you select router model, go down to “K” section to find your KGuard DVR



4. You can follow step-by-step to setup port forward on your router.



How to check port is open correctly on router



User can go to <http://canyouseeme.org/> or <http://my-addr.com> to check if router port is opened correctly.

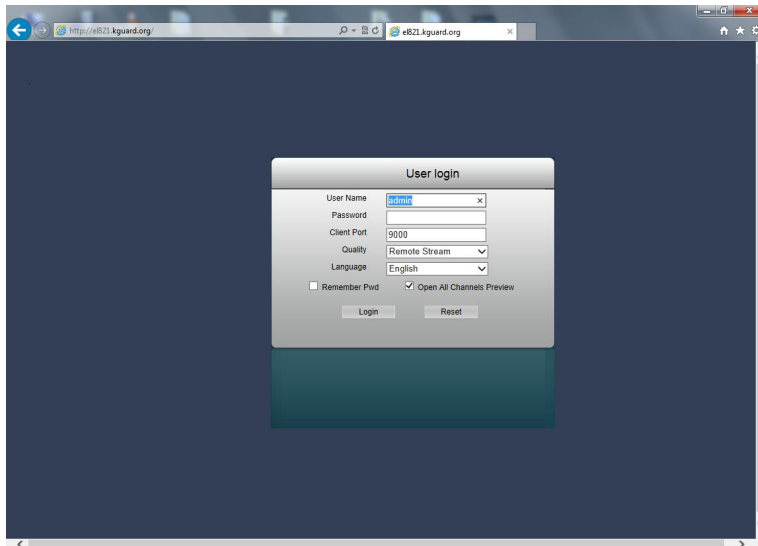
This is example picture for kg.kguard.org open successfully



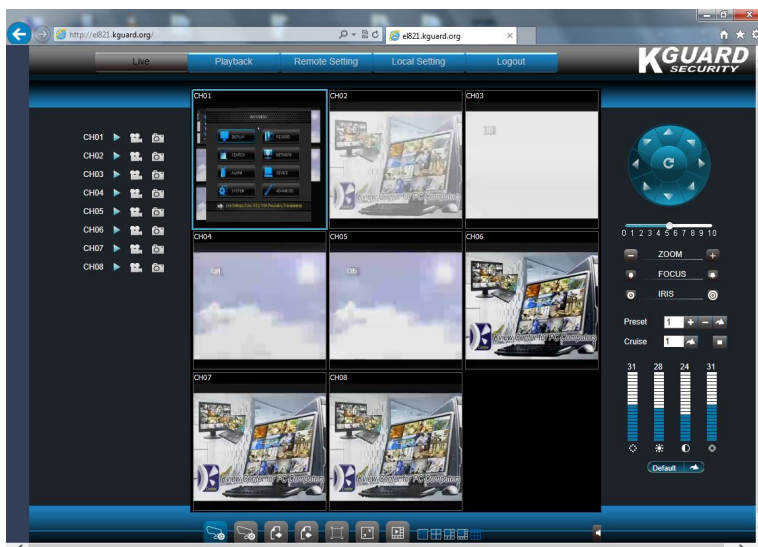
If port is not open, it will show failed

This is example picture for kg.kguard.org not open

Use IE web browser to test connection



User can connect to DVR using DDNS domain name. or WAN IP address with



After user login, they can see the camera video