



# OPTIVIEW

MANUFACTURER & DISTRIBUTOR



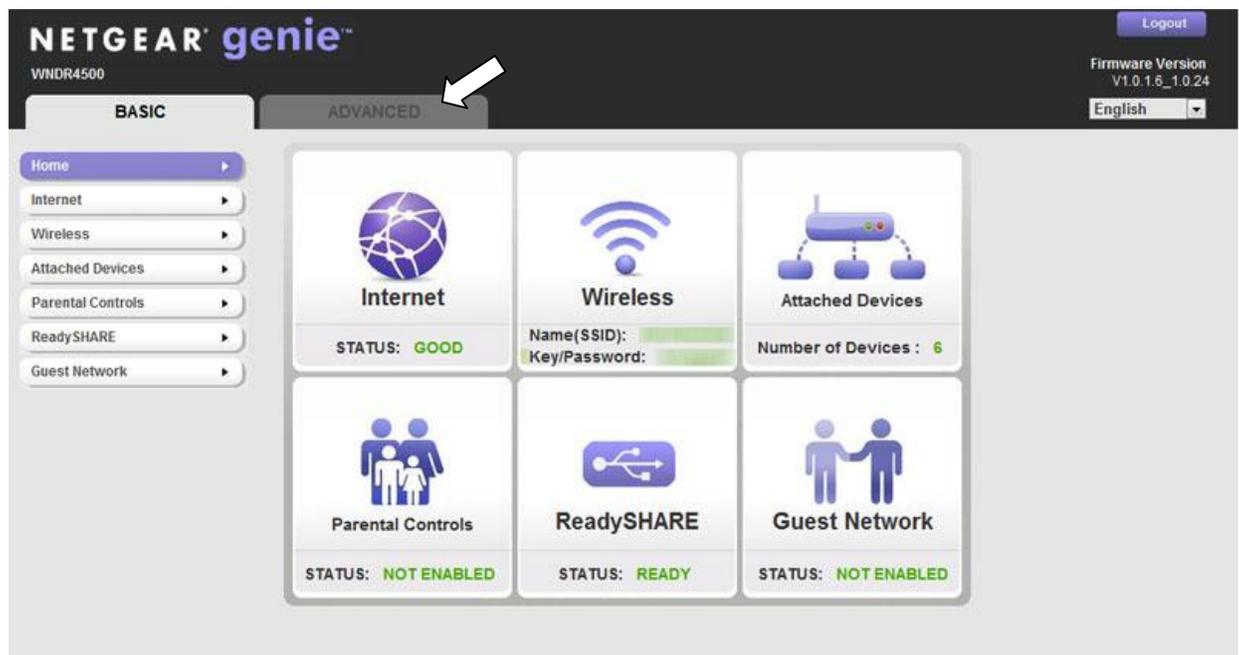
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## Port Forwarding your Router To Allow Remote Access of Your DVR

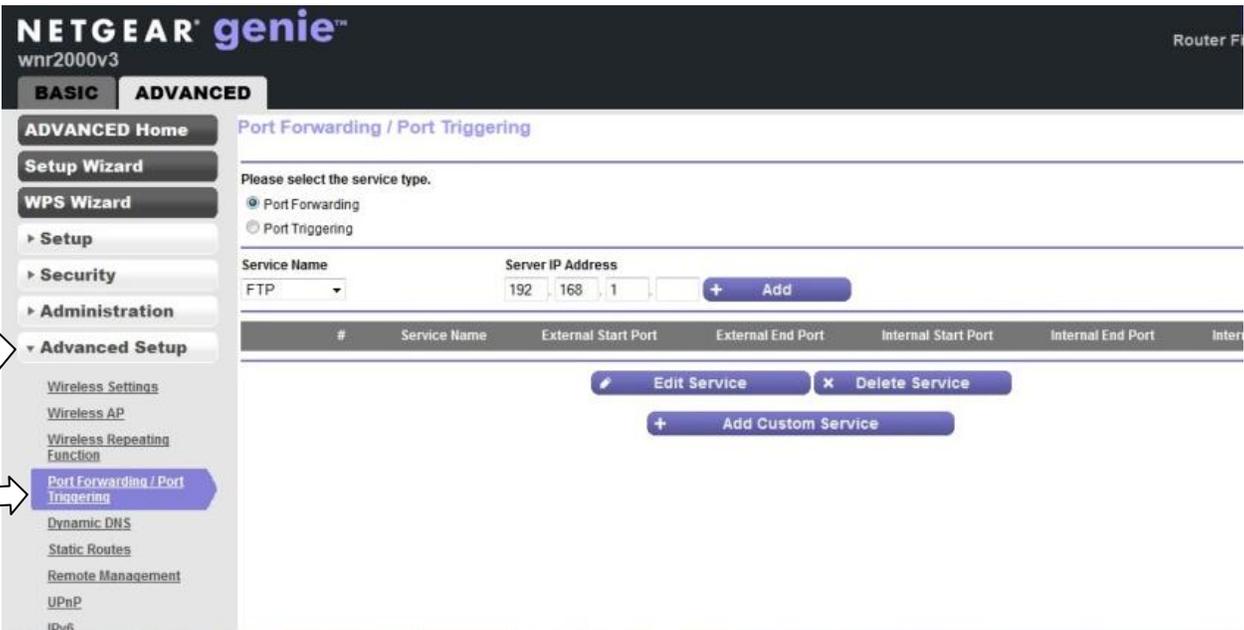
Port forwarding of a router is required to allow user access to your DVR remotely. The port forwarding process may vary depending on the brand and model of the router being used. Regardless of the router you are working with, the process of port forwarding is similar. You will need to enable the ports by locating the port forwarding screen. The set up instruction outlined below is an example of port forwarding using one of Netgear's Router. For more detailed instructions on several of Netgear's models, please [CLICK HERE](#).

### To set up port forwarding:

1. Launch your Internet browser and type <http://www.routerlogin.net> in the address field for your browser to display the NETGEAR Genie screen.
2. Enter the router's username and password. The default username is **admin**, the default password is **password**.
3. Click on **Advanced**



4. Click on **Advanced Setup** to expand the menu options than click on **Port Forwarding/Port Triggering** to display the following screen:



**NETGEAR genie™** Router F

wnr2000v3

**BASIC** **ADVANCED**

**ADVANCED Home**  
**Setup Wizard**  
**WPS Wizard**  
▶ **Setup**  
▶ **Security**  
▶ **Administration**  
▶ **Advanced Setup**  
    Wireless Settings  
    Wireless AP  
    Wireless Repeating Function  
    **Port Forwarding / Port Triggering**  
    Dynamic DNS  
    Static Routes  
    Remote Management  
    UPnP  
    IPv6

**Port Forwarding / Port Triggering**

Please select the service type.

Port Forwarding  
 Port Triggering

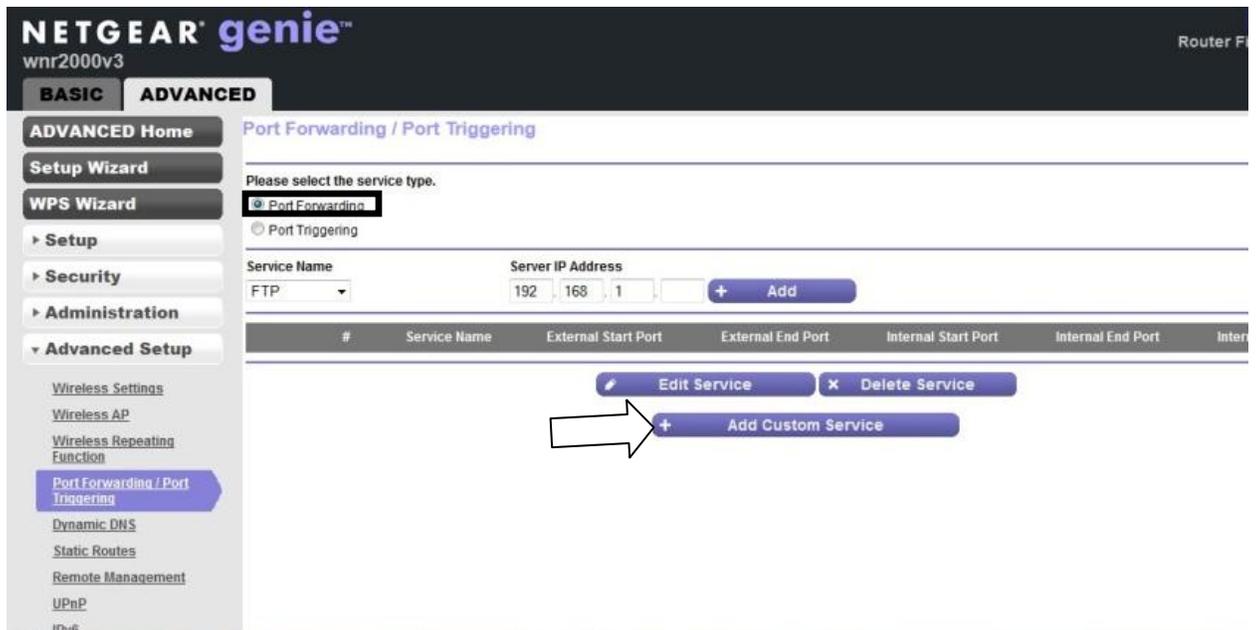
Service Name: FTP Server IP Address: 192.168.1. Add

#	Service Name	External Start Port	External End Port	Internal Start Port	Internal End Port	Inter
<b>Edit Service</b> <b>Delete Service</b> <b>Add Custom Service</b>						

## Add a Custom Service

To define a service for your DVR you have to first determine which port numbers are used by your particular model. You can determine this information by looking under the Network menu on your DVR.

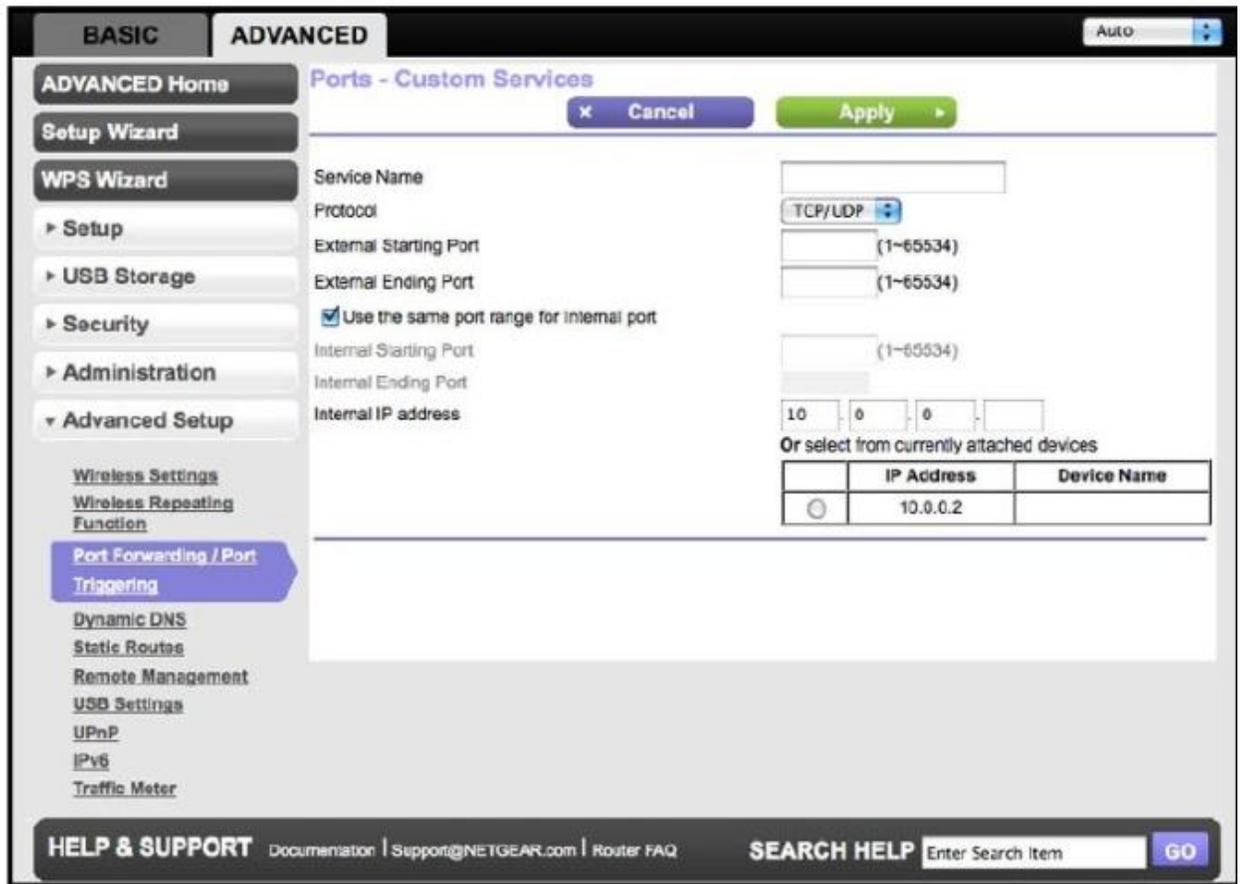
1. Make sure the Port Forwarding radio button is selected and click the **Add Custom Service** button.



The screenshot shows the Netgear Genie web interface for a wnr2000v3 router. The 'ADVANCED' tab is selected, and the 'Port Forwarding / Port Triggering' page is displayed. The 'Port Forwarding' radio button is selected. The 'Service Name' is set to 'FTP' and the 'Server IP Address' is 192.168.1. An 'Add' button is next to the IP address. Below the form is a table with columns: #, Service Name, External Start Port, External End Port, Internal Start Port, Internal End Port, and Internal IP. Below the table are buttons for 'Edit Service' and 'Delete Service'. A white arrow points to the 'Add Custom Service' button.

#	Service Name	External Start Port	External End Port	Internal Start Port	Internal End Port	Internal IP
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2. The following screen will appear. Fill out the information required.



- a. In the Service Name field, enter a descriptive name.
- b. In the Protocol field, select the protocol to be used. If you are unsure, refer to the table below as an example:

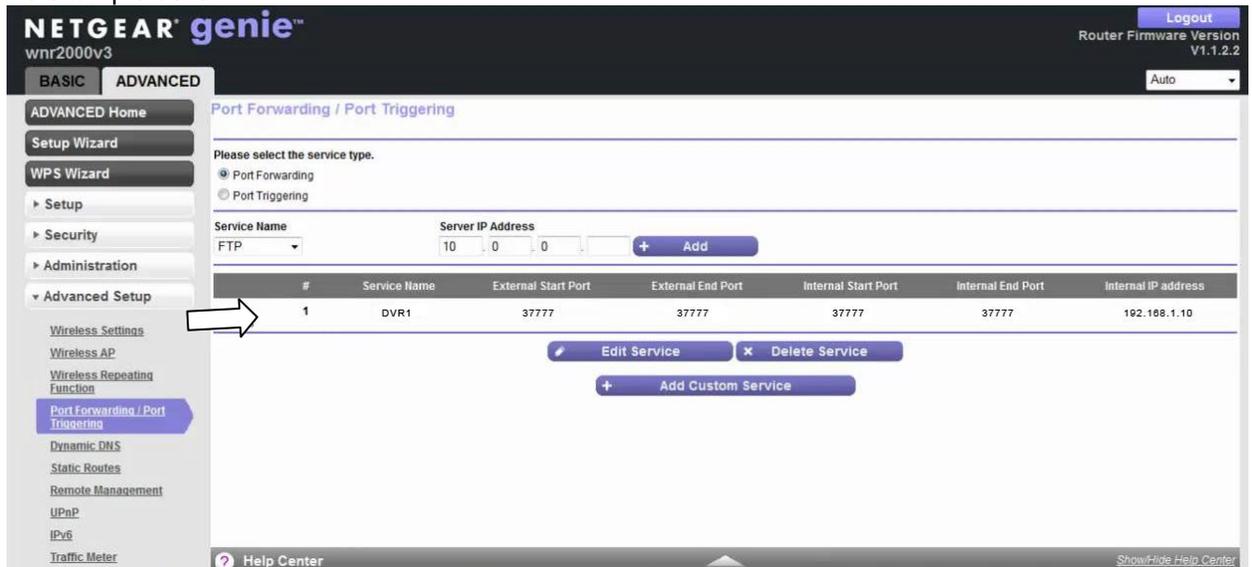
37777	TCP
37778	UDP
80	TCP
5100 (PC Based)	TCP
5101 (PC Based)	TCP

*\*This table contains only general reference to the most common ports used by Optiview DVRs, please refer to your DVR Network settings to be sure of the ports you need to forward.*

- c. In the *Starting Port* and *Ending Port* fields, enter the port number.
- d. In the *Server IP Address* field, enter the IP address of the DVR.

3. Click **Apply**.

4. The service will appear in the list in the Port Forwarding/Port Triggering screen. Like in the example bellow:



The screenshot shows the Netgear Genie web interface for a wnr2000v3 router. The 'ADVANCED' tab is selected, and the 'Port Forwarding / Port Triggering' page is displayed. The interface includes a sidebar with navigation options, a main content area with a service configuration form, and a table of existing services. An arrow points to the 'Port Forwarding / Port Triggering' option in the sidebar.

Service configuration form details:

- Service type: Port Forwarding (selected)
- Service Name: FTP
- Server IP Address: 10.0.0.0

#	Service Name	External Start Port	External End Port	Internal Start Port	Internal End Port	Internal IP address
1	DVR1	37777	37777	37777	37777	192.168.1.10

Buttons: Edit Service, Delete Service, Add Custom Service

5. Repeat the above process for all three (3) ports you need to forward. After this process is complete you should be able to use your external IP address to access the DVR from anywhere.

To find out what your external IP address is [CLICK HERE](#)