# OPTIVIEW

MANUFACTURER & DISTRIBUTOR
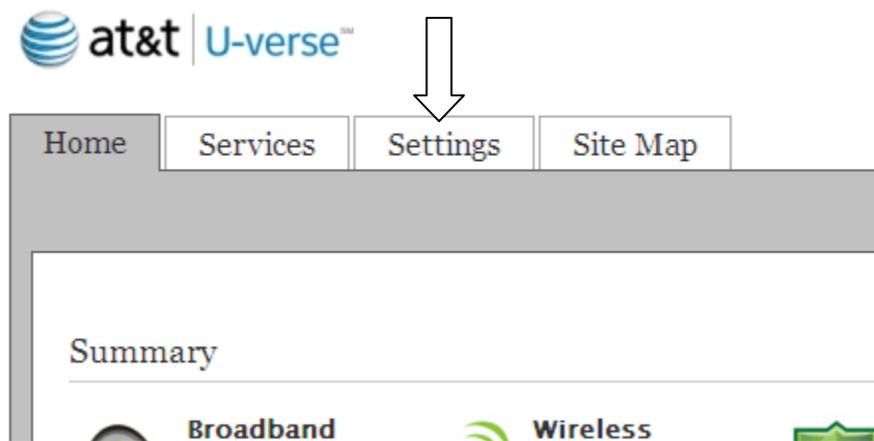
CCTV • MegaPixel • Infrastructure • Accessories

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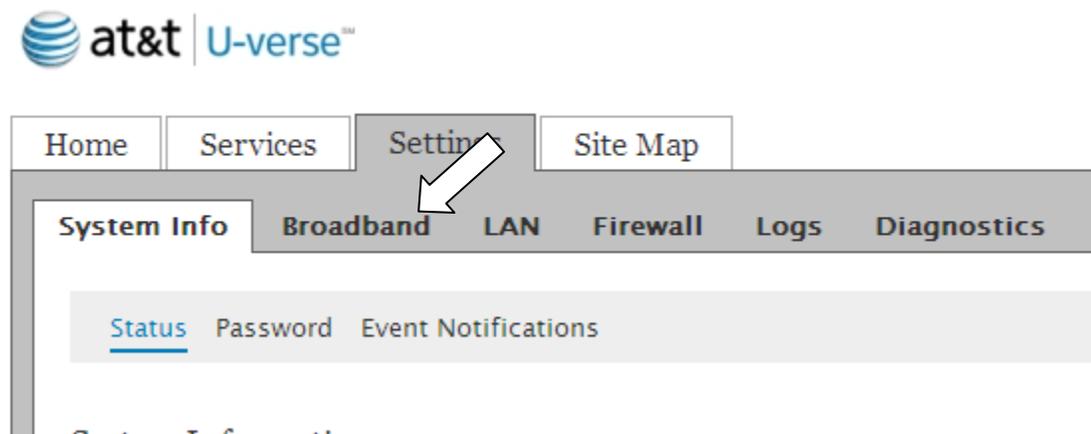# To Allow Remote Access of Your DVR

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 AT&T's Router.

**To set up port forwarding:**

1. Open an Internet browser.
2. Type http://homeportal in the address bar and press Enter.
3. Click the **Settings** tab.



4. Click on the **Broadband** subtab.

5.  Under **Internet Details**, locate the **IP Address** field.



a.  If your IP address starts with a **10.x.x.x**, please visit AT&T's Port Forwarding Tool ([click here](#)) to request, view and remove your Port Forwarding assignments, as well as automatically configure your local AT&T provided modem/gateway with the touch of a button.
b.  If your IP address **does not** start with **10.x.x.x**, please continue to **step 6**.

6.  Click on the **Firewall** subtab.
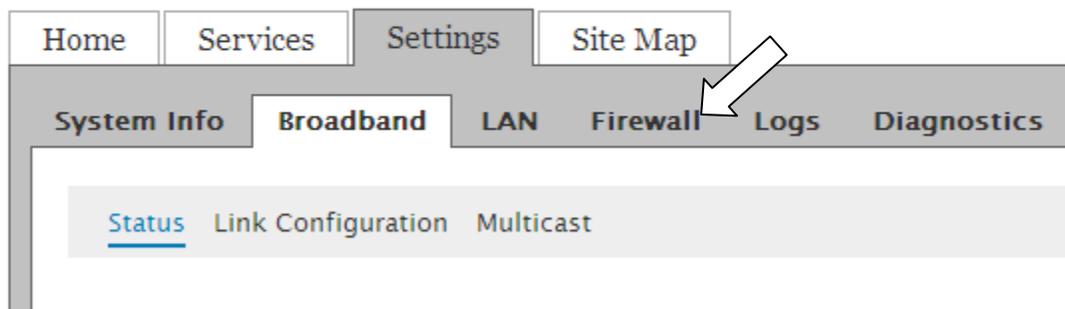
7. Click the **Applications**, **Pinholes and DMZ** link.
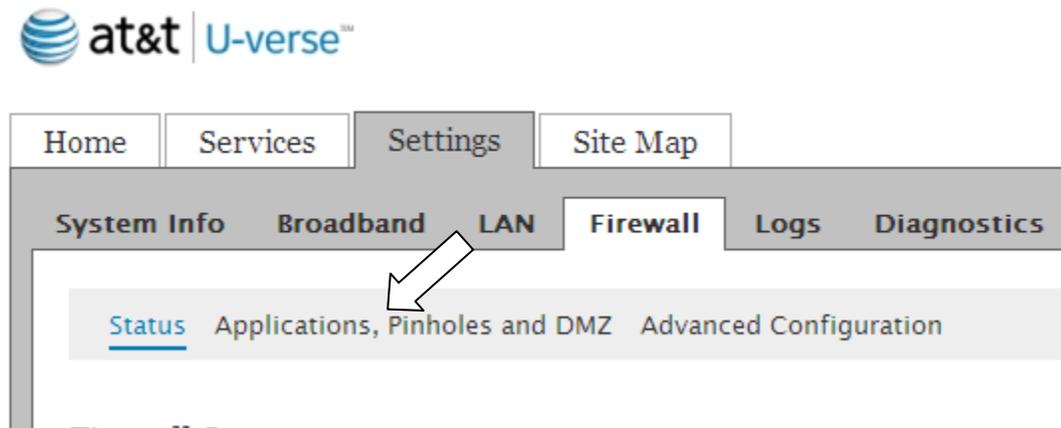


8. Under **Select a computer**, click the device name or IP address of the device you wish to open the port for. Alternatively, if you don't see the IP or device name listed, you can enter it in the **Enter IP address** field and click **Choose**.

9. Under **Edit firewall settings for this computer**, select the **Allow individual application(s)** radio button.

**2) Edit firewall settings for this computer**

○ Maximum protection – Disallow unsolicited inbound traffic

◉ Allow individual application(s) – Choose the application(s) that will be enabled to pass through the firewall to this computer. Click ADD to add it to the Hosted Applications list.

| Filter Applications by | Application List | | Hosted Applications |
|---|---|---|---|
| · All applications | Age of Empires | | |
| · Games | Age of Kings | | |
| · Audio/video | Age of Wonders | | |
| · Messaging and Internet Phone | Aliens vs Predator | Add | |
| · Servers | Anarchy Online | Remove | |
| · Other | Asheron's Call | | |
| · User-defined | Baldur's Gate | | |
| | BattleCom | | |
| | Battlefield Communicator | | |
| | Black and White | | |

Add a new user-defined application

10. Click the **Add a new user-defined application** link.

a. Type a name for the application or device in the Application Profile Name field (ie. **DVR**).

**Application Profile Name** [                    ]

**Create Application Definition**

Protocol            TCP ◉ UDP ○

Port (or Range)     From[        ] To[        ]

Protocol Timeout    [        ] TCP default 8400 seconds, UDP default 600 seconds

Map to Host Port    [        ] Default/blank = same port as above

Application Type    [- ▼]

Note: In some rare instances, certain application types require specialized firewall changes in addition to simple port forwarding. If the application you are adding appears in the application type menu above, it is recommended that you select it.

Add to List

**Definition List**

**Protocol Port (or Range) Host Port Timeout (sec)**

Back

b.  Click the radio button next to the appropriate Protocol for the application in the **Protocol** field.  *If you are unsure which protocol you need to use, 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.  Type the port you wish to open in the **From** and **To** fields.

*It is recommended to create a separate user-defined application/device entry for each port as opposed to using a port range. In this case the port number should be the same in the **From** and **To** fields.*

d.  **Protocol Timeout** and **Map to Host Port** fields should be left blank unless you wish to define these manually.
e.  Click the **Add to List** button.

Repeat step 10 to add all three ports you need to forward.

11.  When you've finished, click on the **Back** button.

12. The user-defined application you created will now show in the list. Choose the user-defined application (named DVR) you created and click the **Add** button.



13. When you've finished and your selection show under **Hosted Applications**, click the **Save** button at the bottom of the screen.
14. Congratulations, you've set up port forwarding on your AT&T provided modem/gateway.

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