

Note: Port 80 is the default port used for web browsing. Because of this, in order to prevent the average user from hosting a web server, **most ISPs BLOCK traffic using port 80** from reaching the average site. If you only plan to view your DVR on a LAN, you can use port 80, and don't have to concern yourself with DDNS or routers. However, if you desire remote access to your DVR, perhaps using DDNS (optional), you **MUST** select functional ports and set up the port forwarding in your router. Other ports, such as 8080 and 8000 are sometimes blocked by ISPs as well.

What port(s) should you use? There are 65,535 valid IP ports to choose from. These are broken down into three groups:

- Well Known Ports 0 thru 1023
- Registered Ports 1024 thru 49151
- Dynamic and/or Private Ports 49152 thru 65535

So, rather than encounter a port conflict by choosing a port commonly used for another purpose (like port 25 for SMTP mail or port 448 for secure sockets), choose an 'unusual' port number. For example, add 50,000 to your house number: 50,123 is unlikely to lead to a port conflict. For a list of the known and registered ports, see <http://www.iana.org/assignments/port-numbers>

3. The DDNS name you choose must be unique; that is, it must not already be in use. Please go to the website <http://everfocusddns.com> and check that the name you wish to use is available.

PLEASE NOTE: The name of the DVR **cannot include a space, or a dot (period) or any special characters** particularly ~ ! @ # \$ % ^ & * () + < > " ; : . ,

4. In the DVR's Network Menu, go to DDNS. Choose "everfocusddns.com" for the Server and put in your chosen name (verified available and without special characters) for DVR Name/hostname.
5. Press the Select or Submit/Update button to synchronize the DVR with the DDNS server. You should see an indication of "Success" on the screen. If you see "Could Not Find Server" or any other error message instead, double-check your network settings and DDNS name and resubmit the DDNS name until you get "Success".
6. You should now be able to connect by typing in the host name you created.

Example: <http://hostname.everfocusddns.com>

It is not necessary to append the HTTP port number to the DDNS name. The EverFocus DDNS server not only keeps track of your DVR's IP address, it keeps track of the ports too!