DDNS

To use the DDNS function, you must put your DVR system into the WAN. In the circumstance that your DVR system is behind a router or gateway, you need to open the port on that router for DVR system behind it.

1、Router configuration

Contact your network administrator, or call technical support for the configuration on router, if you not sure how to configure your computer.

There are two ways to put the DVR system into WAN with router: Virtual Service and DMZ.

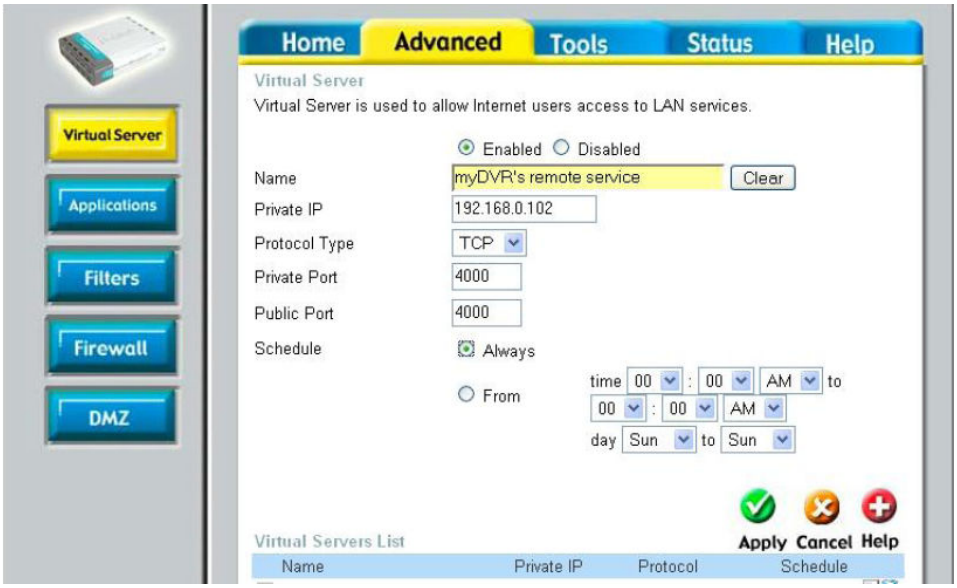
Virtual Service used to put one service of a host in LAN to WAN, but when there are many services, using Virtual service will be complex, then you can use DMZ to set the host as a DMZ host.

Both the two ways can put the DVR system behind router into WAN.

Take D-LINK Router for example:

1.1 Virtual Service

log on the router. Select “Advanced” tab on the top, and click on “Virtual Service” bottom on the left. The following page will be display. The screen might be very different regarding to the different model of routers.



Notice: do not copy the configuration above; it is different according setting on each router.

The picture above shows an example for how to open the service port on router for a DVR in local network.

- Check the “Enabled” radio button.
- In “Name” box, type in a name for this router’ entry, in above example, I type in “myDVR’s remote service”.
- In “Private IP” box, type in the IP address of DVR system, which is the IP address you type in “IP ADDRESS” filed in “Network” setting menu on DVR. In above example, I type in “192.168.0.102”.
- Select “TCP” in “Protocol Type” drop down menu.
- In both “Private Port” and “Public Port”, type in the service port number, in above example, it is 4000. The port is the port that you put in “TCP PORT” field in “NETWORK” menu on the DVR.

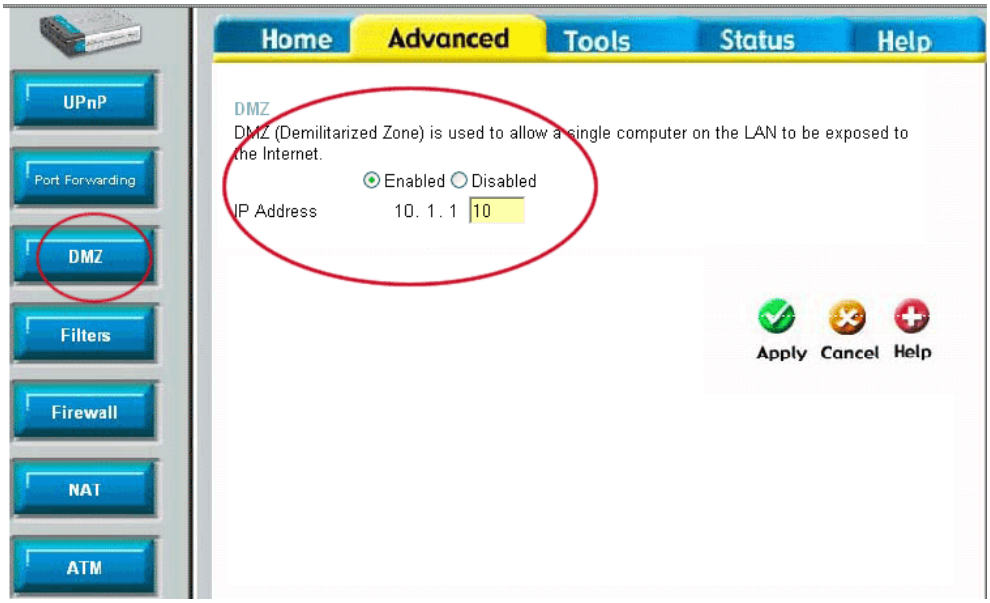
- Select “Always” radio button.

After click “Apply”, the service port 4000 will be opened on the router for the DVR on 192.168.0.102. The DVR Net View and other client tools will be able to connect to this DVR from public network by connecting to the router’s IP address and TCP port.

Follow the same process, add another entry for HTTP port service. After this service port is open, the web browser client from public network will be able to connect to this DVR by connecting to the router’s IP address.

1.2 DMZ

log on the router. Select “Advanced” tab on the top, and click on “DMZ” bottom on the left. The following page will be display. The screen might be very different regarding to the different model of routers.



Notice: do not copy the configuration above; it is different according setting on each router.

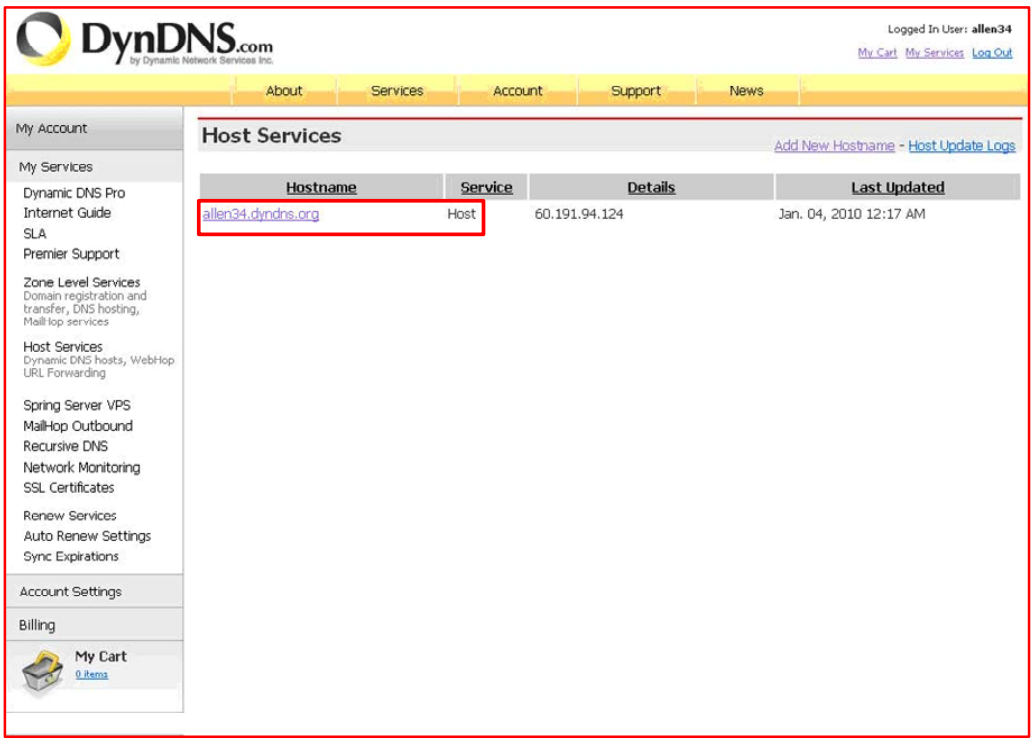
The picture above shows an example for how to open the service port on router for a DVR in local network.

- Check the “Enabled” radio button.
- In “IP Address” box, type in the IP address of DVR system, which is the IP address you type in “IP ADDRESS” filed in “Network” setting menu on DVR. In above example, I type in “10.1.1.10”.

After click “Apply”, all the services will be opened on the router for the DVR on 10.1.0.10. The DVR Net View and other client tools will be able to connect to this DVR from public network by connecting to the router’s IP address.

2、DDNS with dyndns

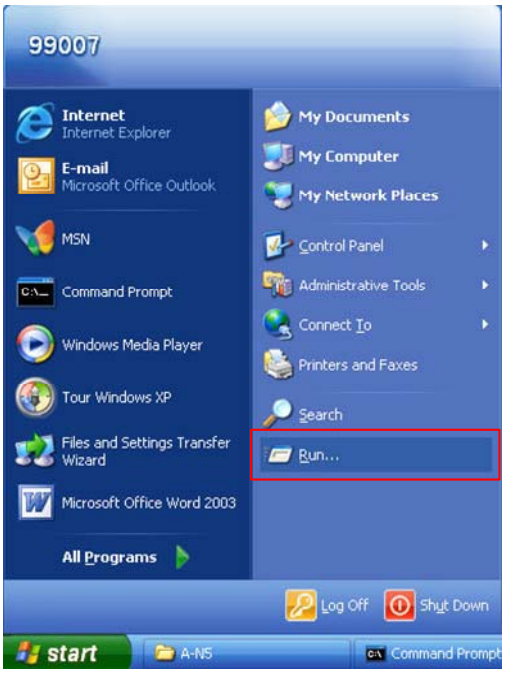
2.1 Please visit the dyndns server website(www.dyndns.com) and register a user, add a domain name as below:

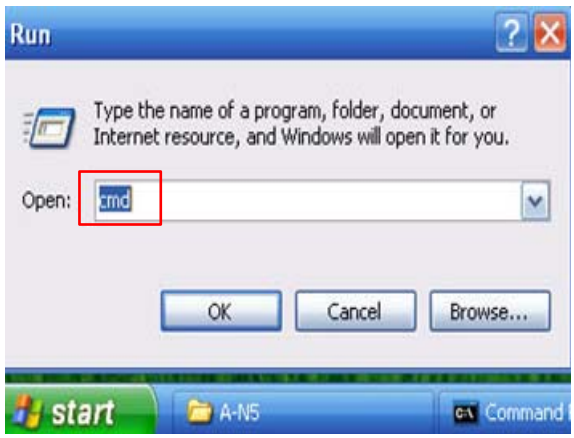


2.2 Search the DNS server's IP address:

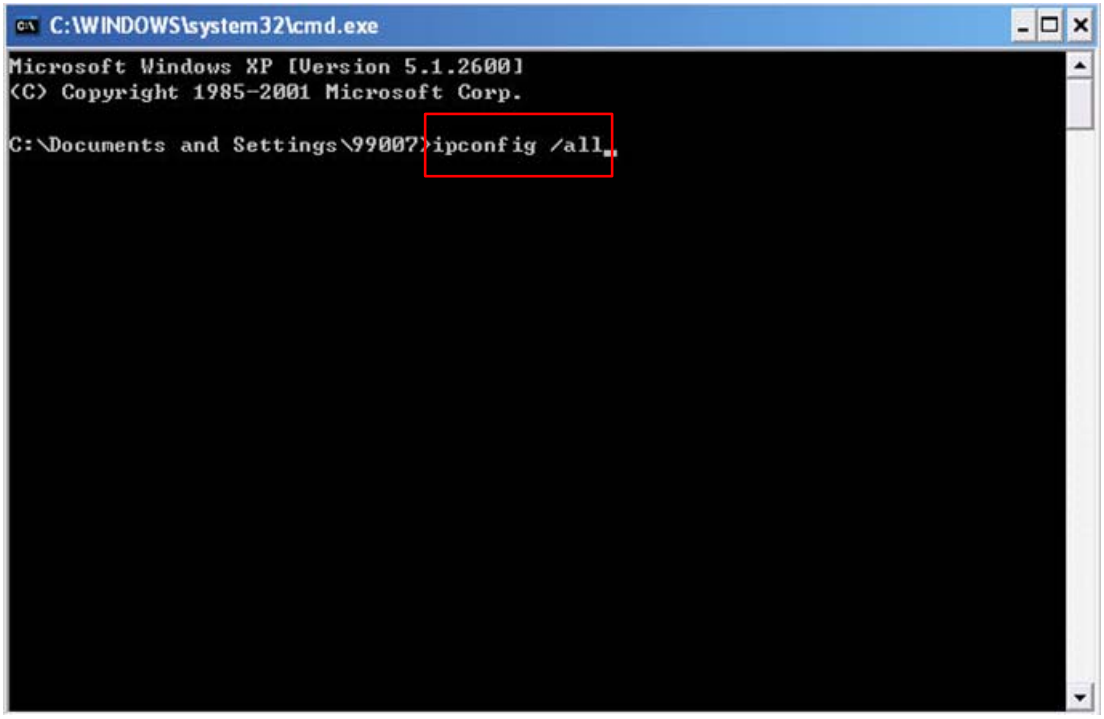
1) You need a PC connect the modem directly, and confirm your PC and login internet.

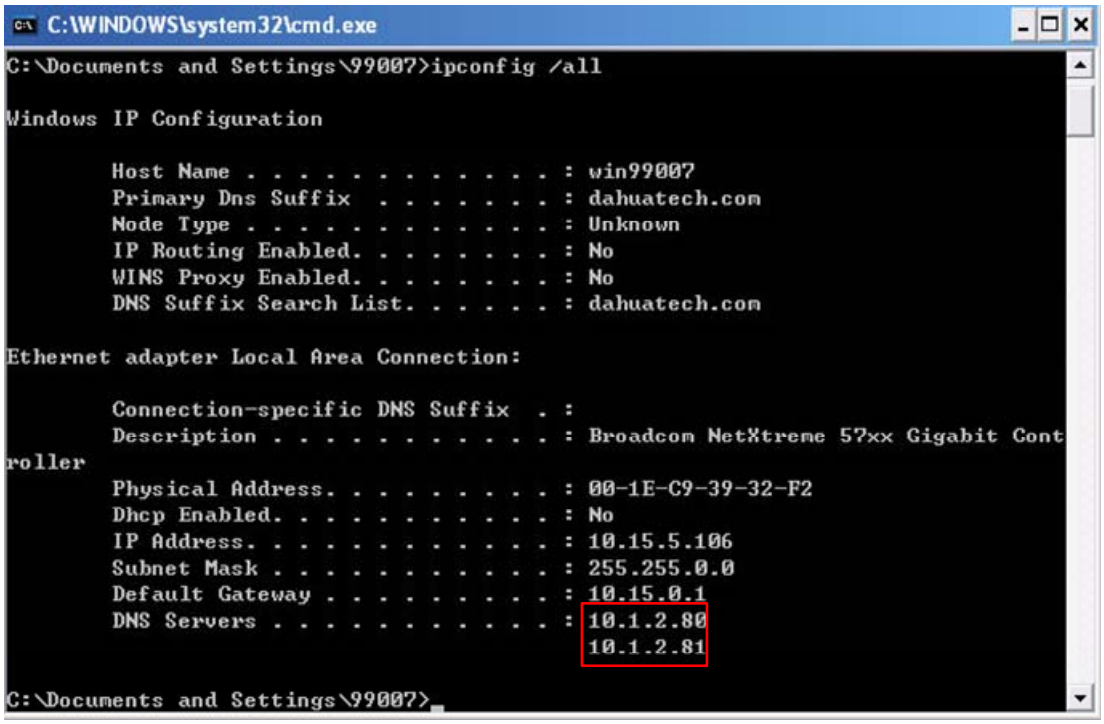
2) You enter the cmd state, (click "start→run→input "cmd"", then click enter).





3) Input the order: ipconfig/all, then enter:

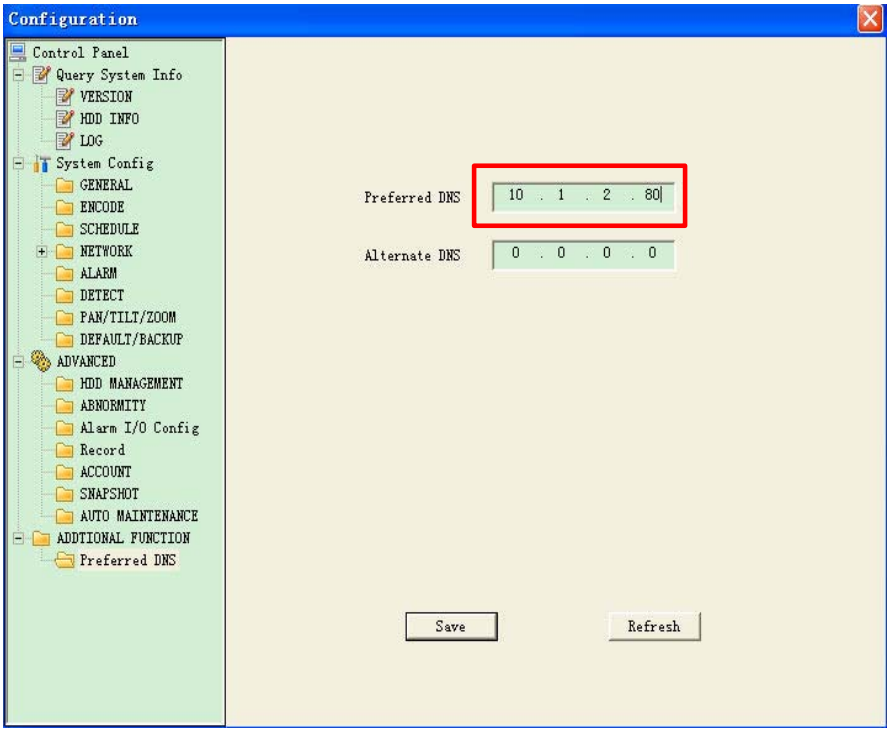




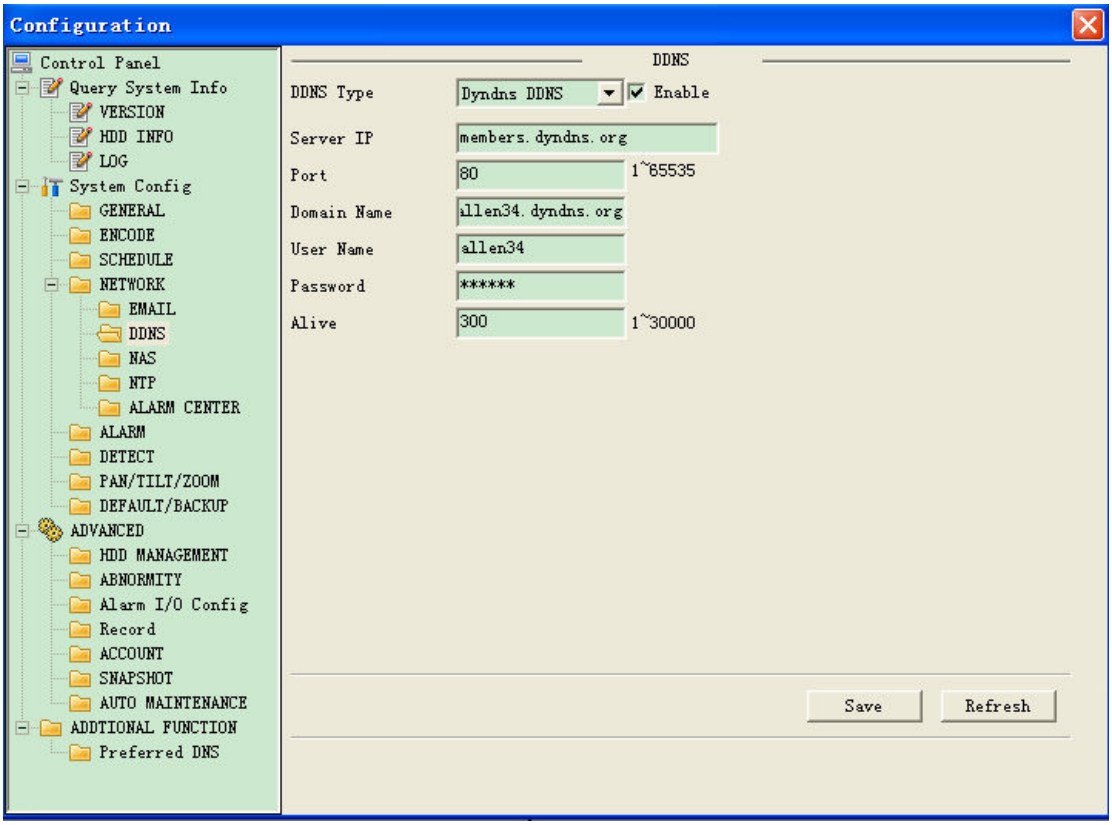
4）You can receive the DNS servers IP address:

E.p: 10.1.2.80 or 10.1.2.81

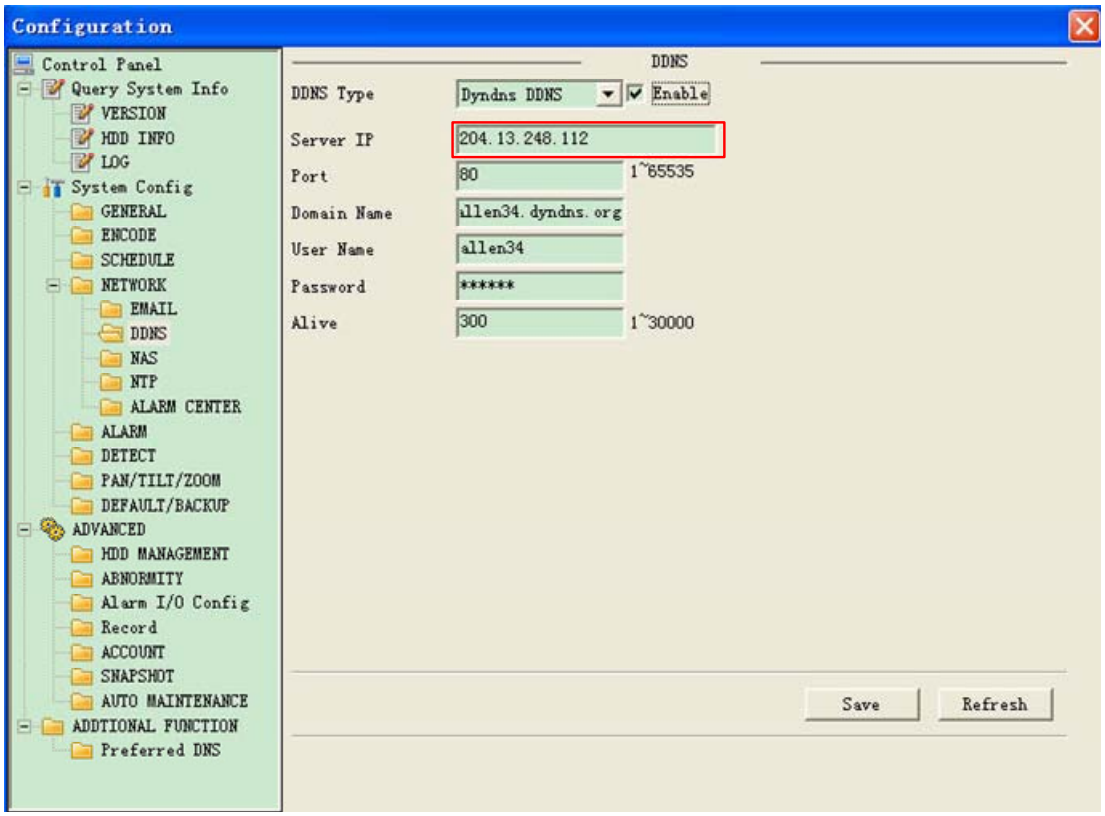
2.3 Setup the DNS menu on web client as below, and input the DNS servers IP address in this blank.



2.4 Setup the DDNS menu on web client as below, input the domain name, port, username, password and dyndns server IP in the blank. There are two ways to setup the menu:



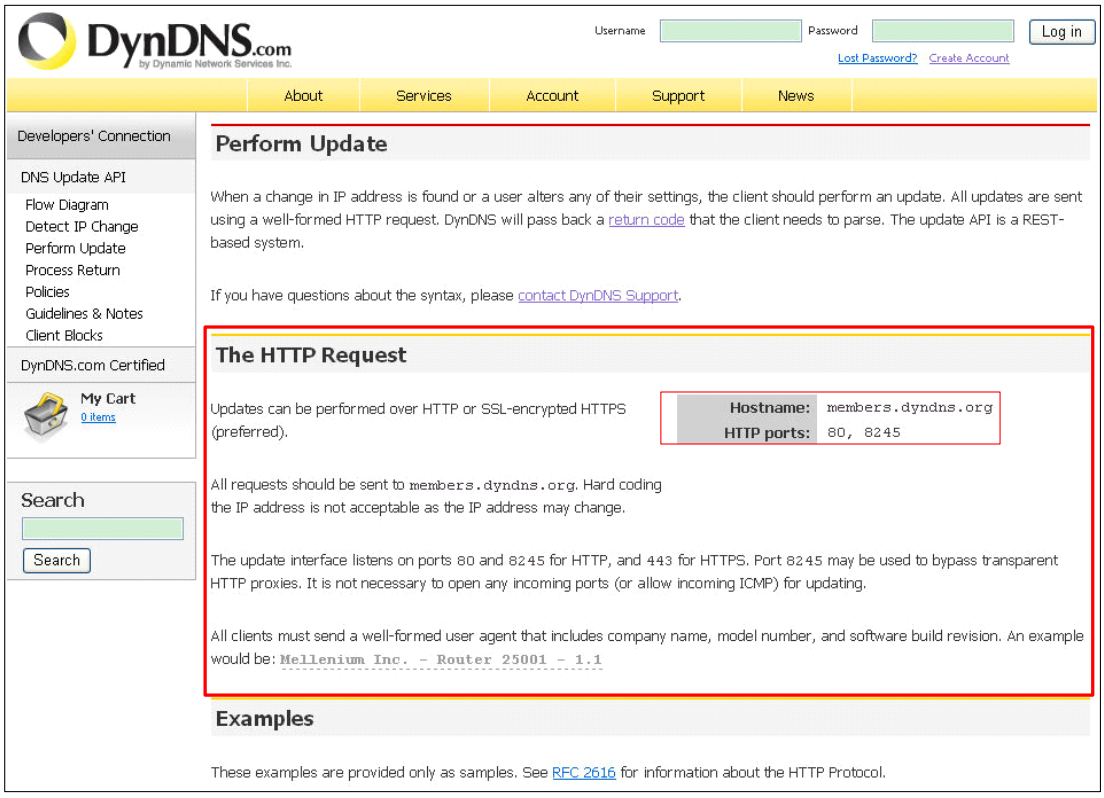
You can also setup the menu like this:



Note:

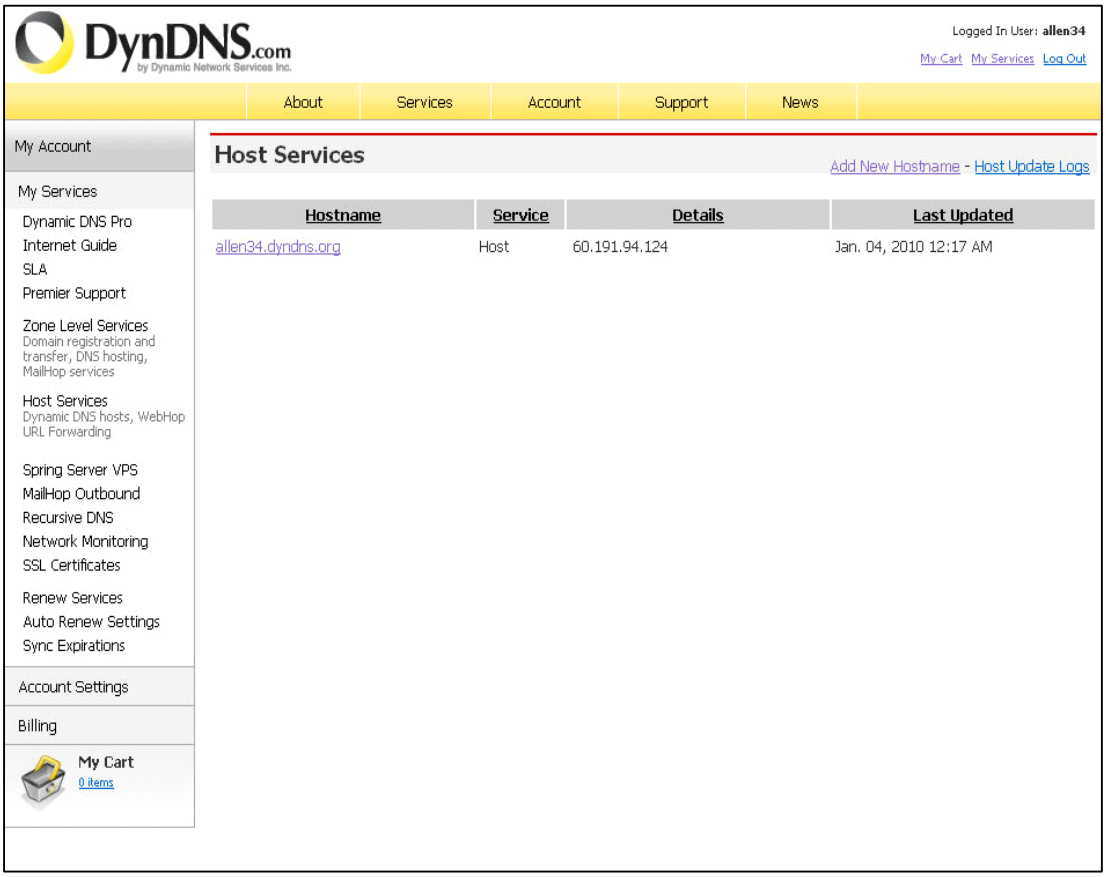
1) The IP address 204.13.248.112 is the server IP of members.dyndns.org, you can have a try to ping members.dyndns.org, and you will see the IP.

2) The port of DDNS must be 80, the reason is as below.



2.5 The configuration is ok. You need wait for five minutes. Then login in the dyndns website to check whether this domain name have received the IP address as below.

E.p: allen34.dyndns.org have received the IP address 60.191.94.124



3、DDNS with No-IP

Please double click NO-IP DDNS to go to the configuration interface you can see an interface is shown as in Figure 1.

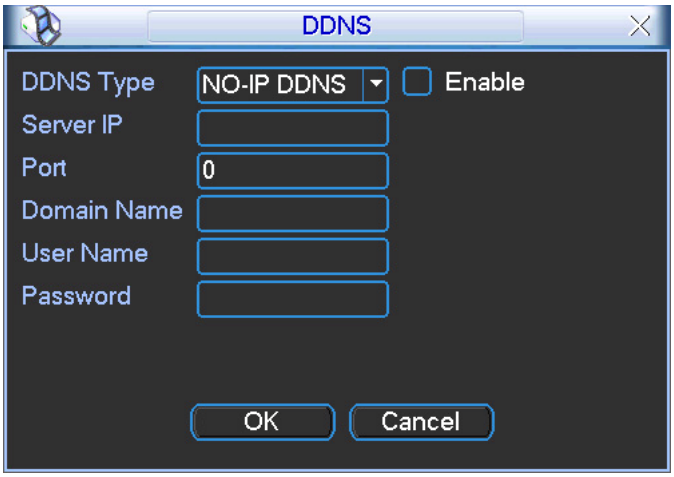


Figure 1 NO-IP DDNS

- **DDNS Type:** You can select from the dropdown list. There are five options: No-IP, DynDNS, CN99, Private and Oray.
- **Server IP:** You can use ping command to get server's IP
- **Port:** input server port here.
- **Domain Name:** Get the domain name you get from your DDNS service provider.
- **User:** Get the user name you get from your DDNS service provider.
- **Password:** Enter corresponding password.

Highlight the icon in front of Enable to enable the DDNS server configuration.

No-IP DDNS example: it's a system of dynamic DNS service. If you do not have a Static IP address on the Internet, you need to have a dynamic IP. It is to say your IP address changes after a certain period of time.

You can follow the steps listed below to display image on your DVR even your IP is dynamic.

You need to use a DDNS service and create a domain name that is not necessarily direct use the IP address.

After completed configuration in the DVR, DDNS service can constantly inform the latest DVR's connection IP, and modify its IP on the table of data from the server. Then we have a constant domain name in the Web browser, along with the HTTP port, send a request to identify the car IP of the domain name typed. The server will direct the domain name to the IP connection, thus allowing access to the

DVR which does not have a fixed IP in the network.

Note: It is important to note that to gain access to the DVR in a local network, it is necessary to achieve the redirect the port of your modem or router to your DVR.

To receive domain name in the No-IP DDNS service, please follow the steps listed below.

3.1 Please visit www.no-ip.com; the page of No-IP appears as below. See Figure 2.

Figure 2 NO-IP

3.2 Left click mouse on the “Create Account” button, account Information interface is shown as in Figure 3

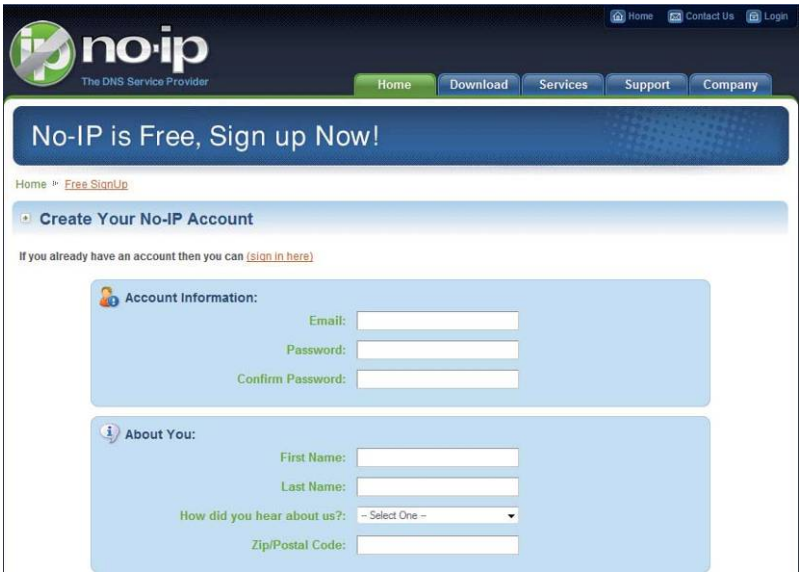


Figure 3 Account Information

3.3 Fill in the requested fields and click I Accept button. Then you can get an email containing username and password. You can use this account to access the service.

3.4 Open the e-mail sent by trusted rmação No-IP and double-click the link that is below the phrase "To activate your account please click the following URL:" in the body of the email. See Figure 4.

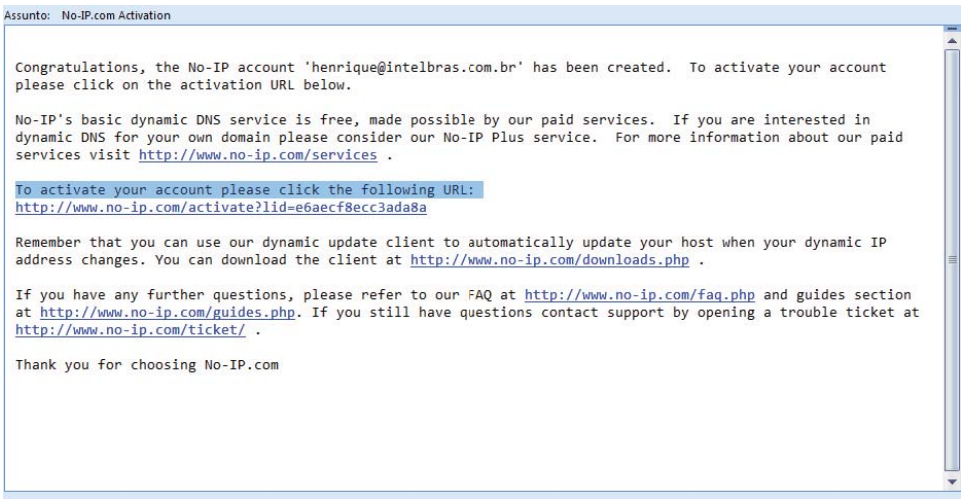


Figure 4 E-mail received

3.5 Now you can see an interface is shown as in Figure 5. You have successfully created an account.

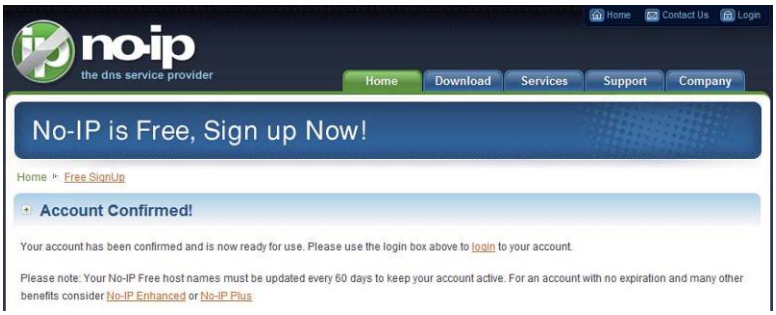


Figure 5 Account Confirmed

3.6 In Figure 5, click to sign and enter the email address and password you get earlier. Click “login” to sign up, you can see the welcome interface and configuration option of account. See Figure 6. You can highlight manage host item.

Figure 6 Configuration option of account

3.7 The Manage Hosts interface is shown as in Figure 7. Click the Add Host button you can access the creation of a domain name.

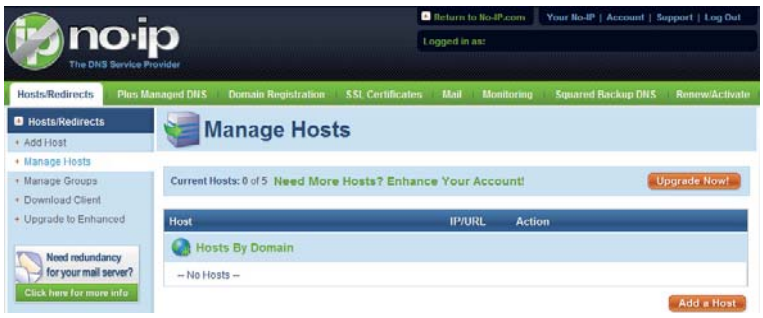


Figure 7 Manage hosts

3.8 In Figure 8, input corresponding host name in the filed. You can use this name to access DVR from an external network. In the field to the right of the name, select the desired area. This is your domain name for access to the DVR. Click “Create Host” button at the bottom of the page.

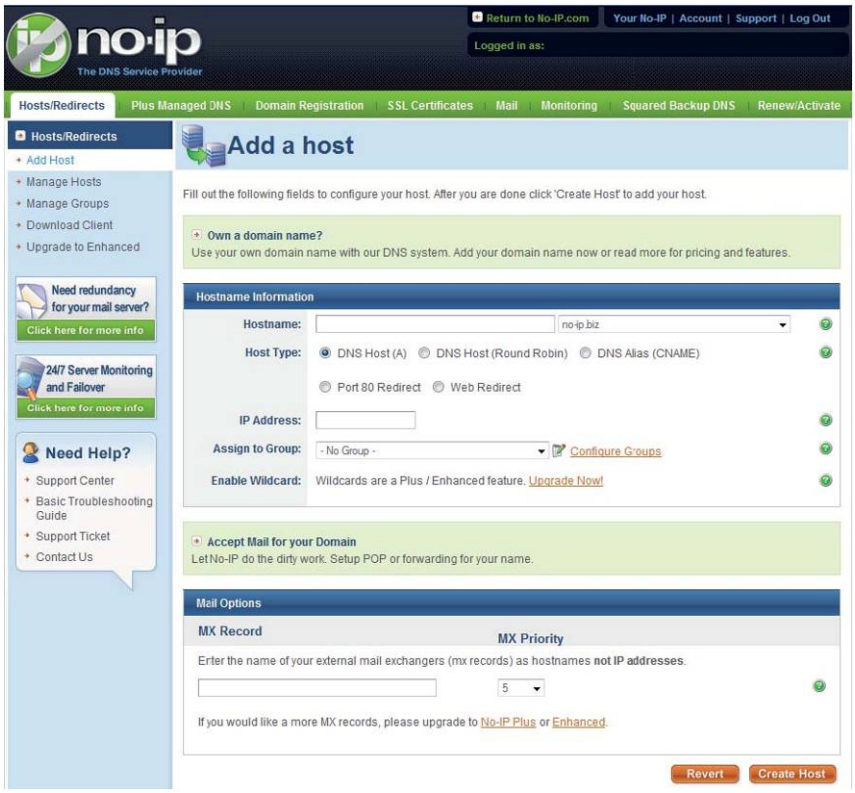


Figure 8 Domain name

3.9 Now you can see an interface is shown as in Figure 9. Here you can view domain name and the computer's current IP setup. If you already have a domain name equal to trusted, you must define another name for the host.

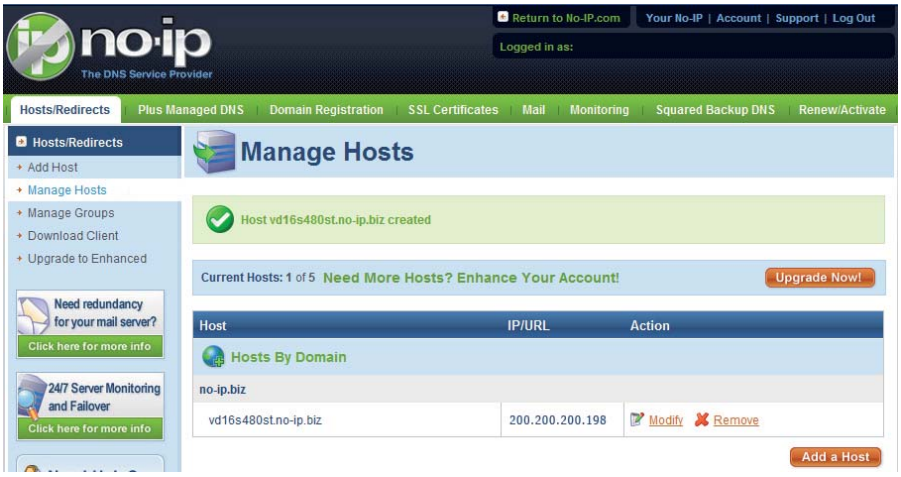


Figure 9 Host successfully created

3.10 Now you need to define the definition of the server's IP in IP-DVR able to access this service DDNS. To get DDNS service, you need to have a computer connected to the Internet on the same network with DVR. Then please type the command dynupdate. no ping-ip.com at the command prompt, Windows ®. The server's IP will be displayed on the screen. See Figure 10. Your DVR can use this IP to find the No-IP server.

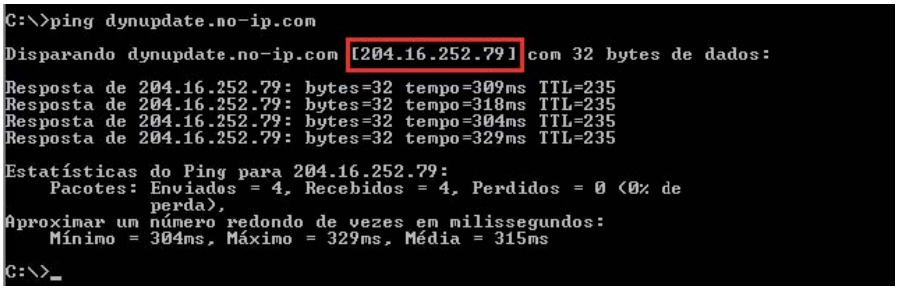


Figure 10 Ping dynupdate.no-ip.com

3.11 Please go to the DVR and access the MAIN MENU> SETTING> NETWORK> DDNS. Input server IP you get in the above step. Select the DDNS Type as No-IP DDNS and highlight the icon ☐ in front of Enable to enable the DDNS function. Now fill the fields as described below, and click OK to save current setup.

- **Server IP:** Enter the IP noted in step 10.
- **Port:** Enter the port 80.
- **Domain Name:** Enter the domain name created in step 8.
- **User:** Enter your username (email address) created in step 3.
- **Password:** Enter the password created in step 3.

The figure Configuration file of No-IP is shown as in Figure 11.

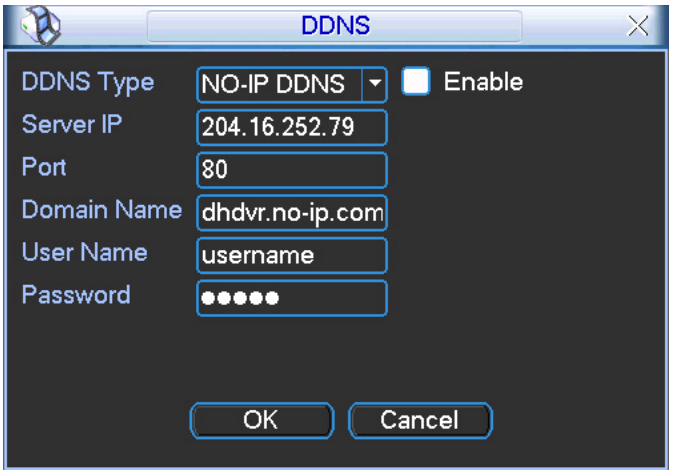


Figure 11

3.12 Now you have completed DVR setup. Open Internet Explorer ® in another foreign network with Internet access, unlike the network where the DVR is connected to, you need to follow the steps listed below:

1). Enter the address into your browser: http://nome the field created in step 8. For example: http://vd16s480st.no-ip.biz

2). If the DVR HTTP port is 80, just type the domain name. Otherwise, enter in the browser address as: http://nome the field created in Step 8: port number of HTTP. For example: http://vd16s480st.no-ip.biz:9090

3). Press Enter. The system will ask install application webrec.cab control or not. Please click Yes to perform a successful connection.

4). If the page does not appear on the computer screen, you need to lower your system safety setup. From Tools> Internet Options> Security, select Internet and then click Custom Level, you can enable ActiveX controls. See Figure 12. Then open your browser and re-enter the domain name of the DVR.

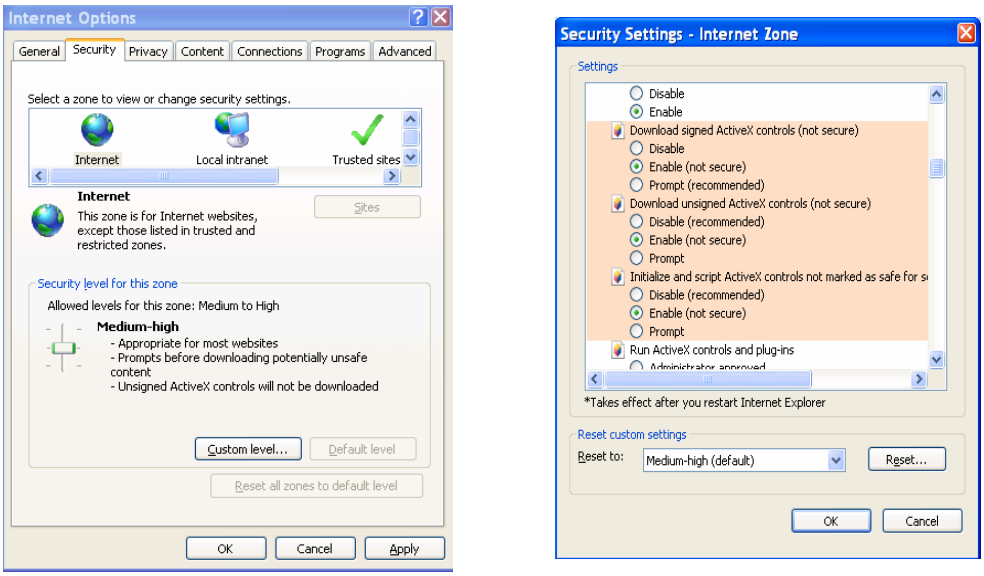


Figure 12 Lower security settings