Step by Step MPEG4 DVR Networking
Setup for Linksys router user

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Set up an IP address for your DVR

1. Please log in to the router and check the external IP address in its **Status** page.

![Router Status Page](image)

Make sure the internet IP address is valid. The internet IP address can not be a local IP address like 192.168.X.X, otherwise please contact with your network administrator.

Note: For Verizon DSL user, if the IP address is 192.168.1.45, please contact Verizon technical support to configure your DSL modem as a bridge.
2. In DHCP settings, there is DHCP starting IP address and maximum numbers of DHCP users. We don’t want DVR using a DHCP released IP address. So, we need to avoid DVR using an IP address which is in the DHCP addresses range.

![DHCP Settings](image)

3. If you are using Linksys router, we could try to the setting below in DVR:

   In DVR’s menu, go to Advance > Network > enter a port number 8888 for DVR (any number greater than 1024 is fine but need to be the same numbers on port forwarding setting on next step). Choose “Static” for Network type and press enter. In Static IP address setting (4), key in an IP address 192.168.001.099. Also, key in gateway address as router’s internal IP address 192.168.001.001. Then press “menu” key to quick the menu.

![DVR Menu](image)
4. Return to Router’s configuration page on web browser. Create a new entry of port forwarding in the router like the one in the picture below. Make sure your port numbers and IP address are match with DVR’s setting.

5. After finished these setting, please reboot the router first and then DVR.
DDNS settings on Linksys router

1. Open a web browser and go to [http://www.dyndns.com](http://www.dyndns.com). Click on Sign up Now for apply free membership of Dynamic DNS service.
2. Fill out the form for creating new account. Please use valid email address, because DynDNS will send out email for activate new account.
3. Check your email for new account confirmation.

   ![Image of email confirmation]

   And, click on the confirmation link on the email to activate your account.

4. Once your account has been confirmed, please login for setting up free DynDNS service.

   ![Image of login page]

5. After login, choose “Services” tag to add a new DDNS service.

   ![Image of services page]

7. Under **Dynamic DNS** page, please click on “Add Dynamic DNS” to create new DDNS service.

8. Type in your own **host name**, pick up a **domain name**, and click on “Add host”. The IP address will be detected by the website and it’s the external IP address from your ISP.
9. Double check on the settings, and then close the browser window.

10. Open web browser and login router’s configuration page again. Go to DDNS setup, type in all the settings, and save.
11. Now, you can use a host name instead of an IP address to connect to your DVR.

12. If there is not DDNS supported by the router, you could enable DDNS service of Video Service E client software on DVR.
DDNS settings on Video Server E software

1. Login DVR with Video Server E software and click on the icon on the top right corner – system configuration.

2. Under Network menu, Choose DDNS and entry all settings for DDNS service.

3. After click on “Apply”, DVR will update IP information to DynDNS website’s database every 5-10 mins.