NETWORK SETUP

◆ GLOSSARY

Static IP	Static IP Computers are communicated and recognized by their own unique IP addresses over the Internet. “Static IP” provided by your ISP (Internet Service Provider) means the IP address of the computer is fixed, and is suitable to build a website.
PPPoE	Point-to-Point Protocol over Ethernet Users can easily have high-speed Internet services as long as they’re ready for the following things: 1) Insert an Ethernet card into the PC. 2) Obtain ADSL service via any ISP. 3) Obtain and install PPPoE software CD. The charge varies depending on each ISP.
DHCP	Dynamic Host Configuration Protocol The main function is to enable a machine to connect to a DHCP server via its Ethernet address to acquire IP address, net mask, default gateway and DNS information. After finish the settings for DHCP servers, the administrator can get IP-related settings automatically via the DHCP protocol in the local PC and do not need to set the settings in each PC.
DDNS	Dynamic Domain Name Server Each machine is recognized by its own unique IP address. When a user enter a domain name, the browser will connect to a host which contains the corresponding information of domain names and IP addresses to look for the IP address of the target PC. This host is the so-called Domain Name Server, DNS. DDNS, Dynamic Domain Name Server, will help to set the corresponding domain name for the host with the dynamic IP address when the IP address changes. The operation of DDNS is as follows: download and install one client software in your host. Then, the client software will communicate with the Dynamic DNS server, and determine the corresponding domain name with the changes of the IP address.

◆ Operation Instructions

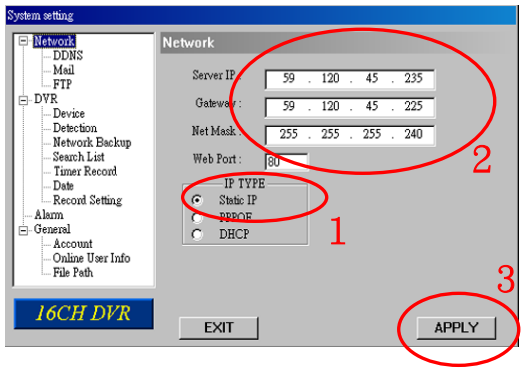
■ Please build an area network by connecting your DVR and your PC/NB with a network cable. Then, log in your DVR with the supplied AP software for the following settings.

NOTE: Your NB/PC and DVR must be under the same domain to build an area network. Please change the IP address of your PC/NB into 192.168.1.*X* (*X* can be the number between 1~255, except 10) for login. The default IP address for your DVR is 192.168.1.10, and the default account/password are admin/admin.

Press “SYSTEM CONFIG” button for further setup after login.

-> SYSTEM CONFIG

■ **Static IP:**



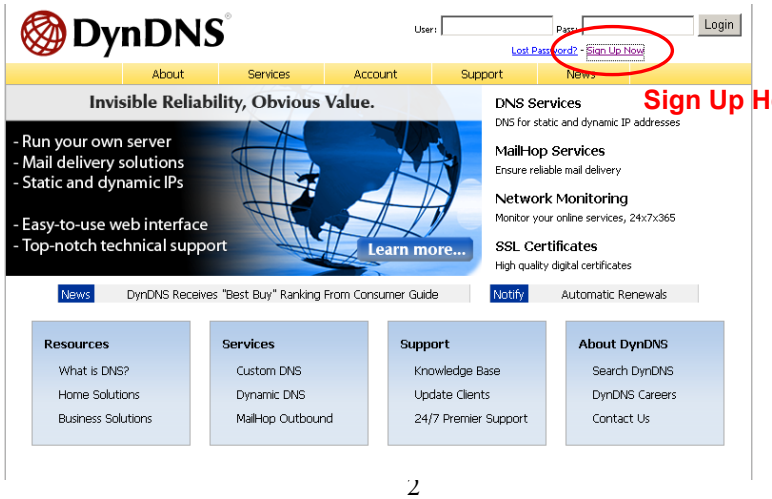
Apply one static IP address from your ISP, and select “Static IP” in “IP TYPE” section. Enter “Server IP”, “Gateway”, “Net Mask” and “Web Port” (1~9999) information obtained from your ISP. Then, press ”APPLY” to confirm.

Connect your DVR to the Internet via a network device. Your DVR will log into the Internet automatically via the IP address you just entered, and you can enter this IP address to log into your DVR remotely.

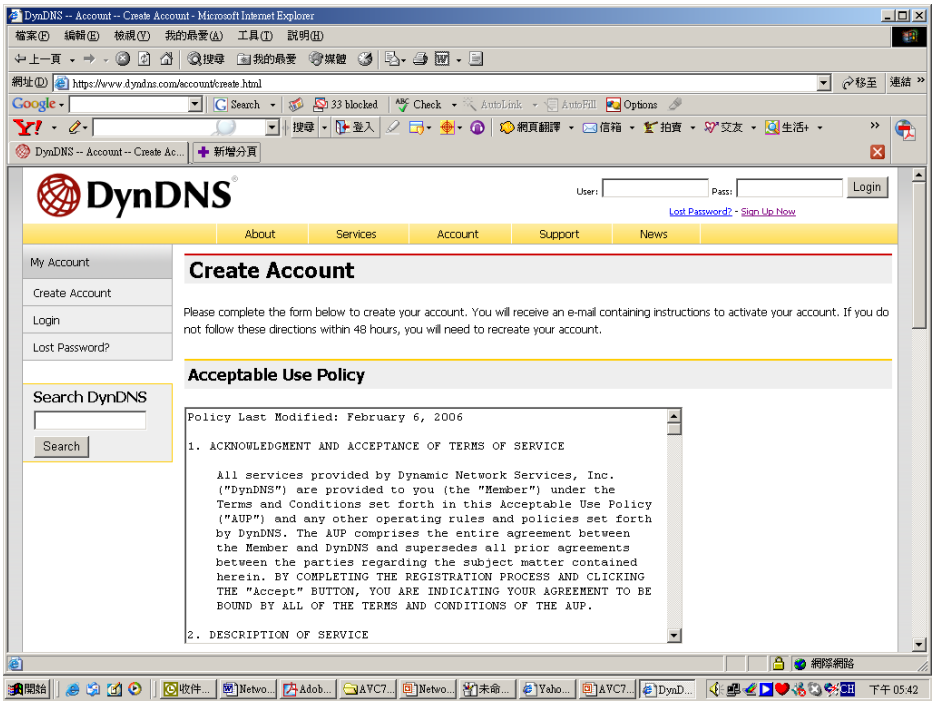
■ **DDNS:**

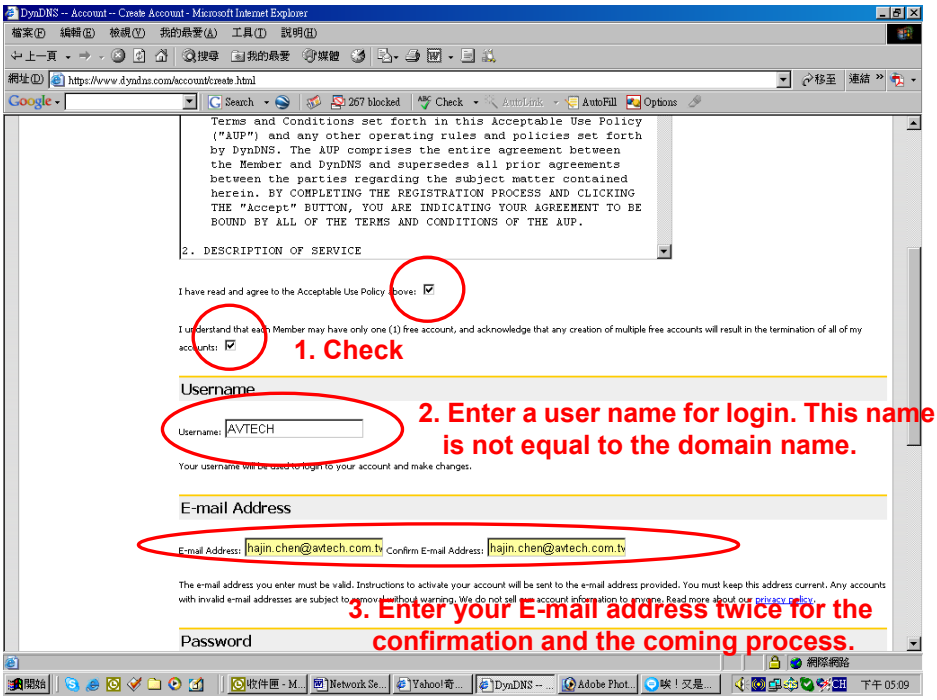
You need to apply a DDNS account before setting PPPoE or DHCP connection. This will help to associate the domain name you applied with the corresponding IP address and prevent connection failure because of the usage of the dynamic IP address. For DDNS setup, please refer to the steps below.

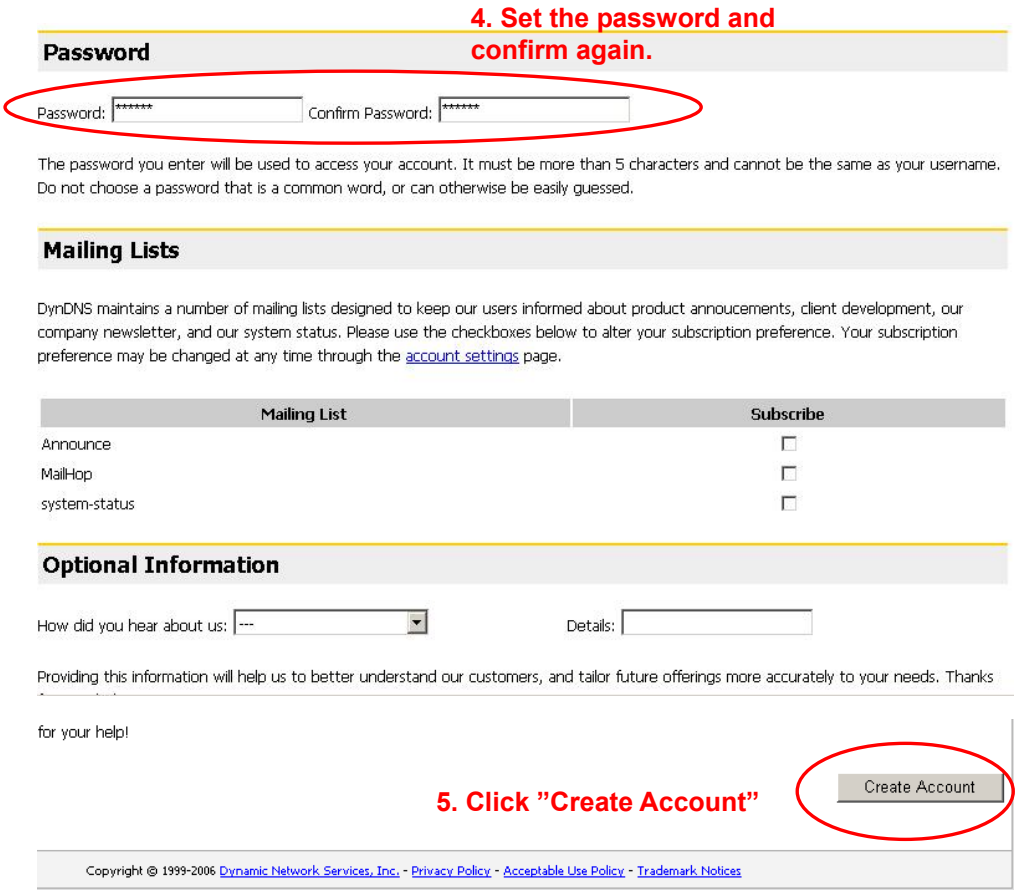
➢ Go to http://www.dyndns.com and sign up a DDNS account.



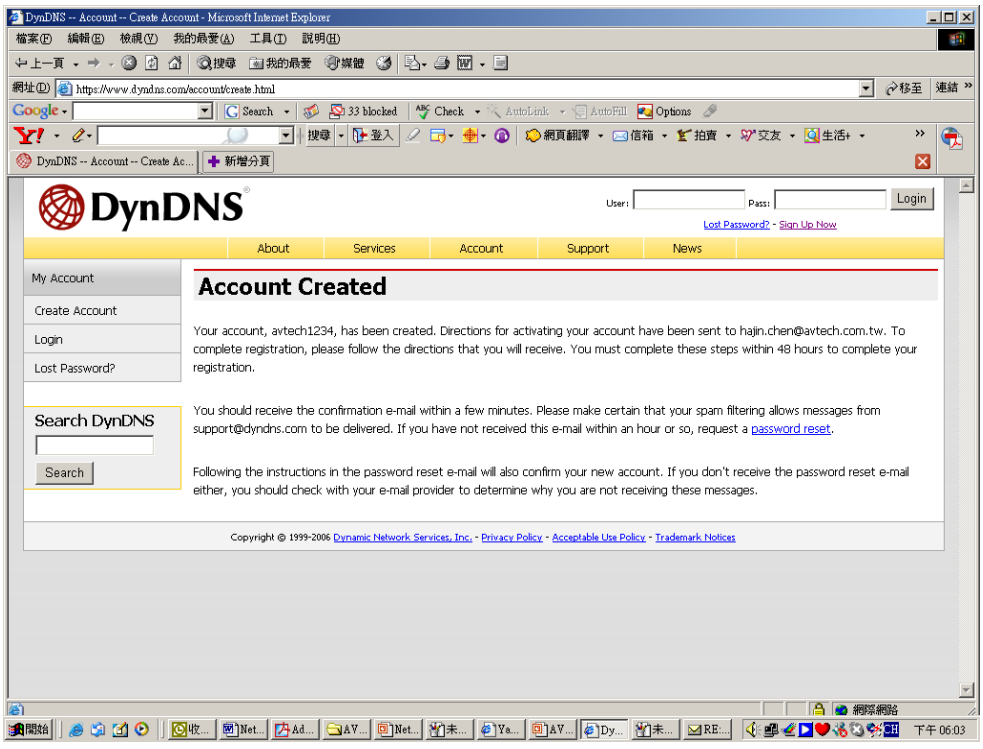
➢ Enter all the information necessary for signing up an account according to the website instructions.



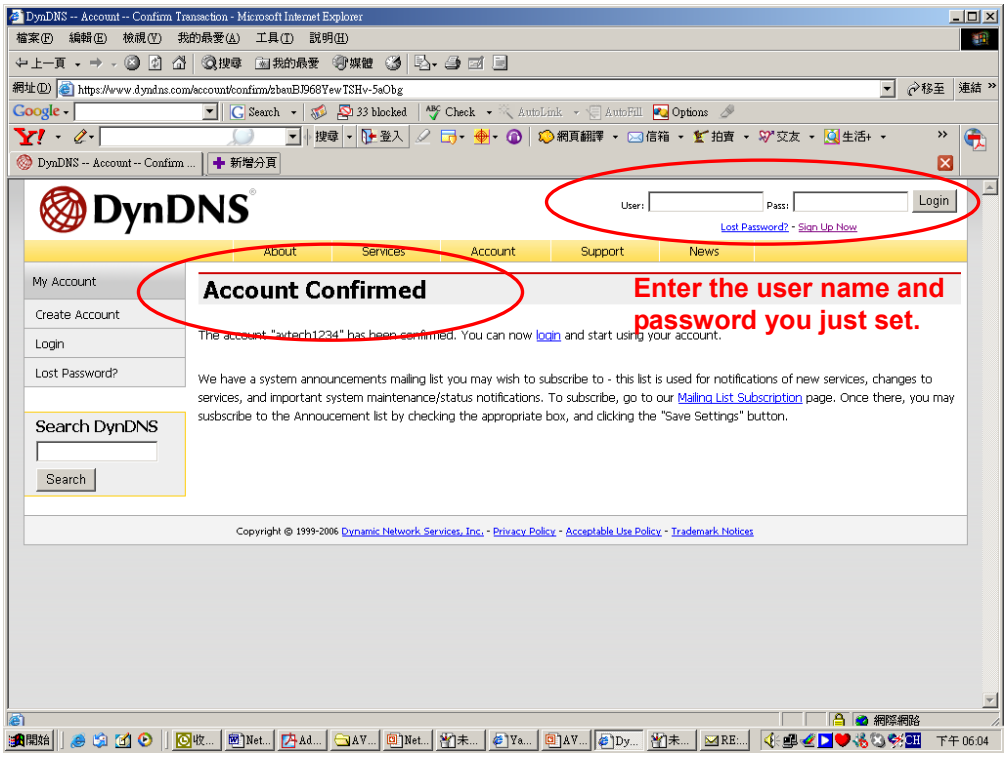




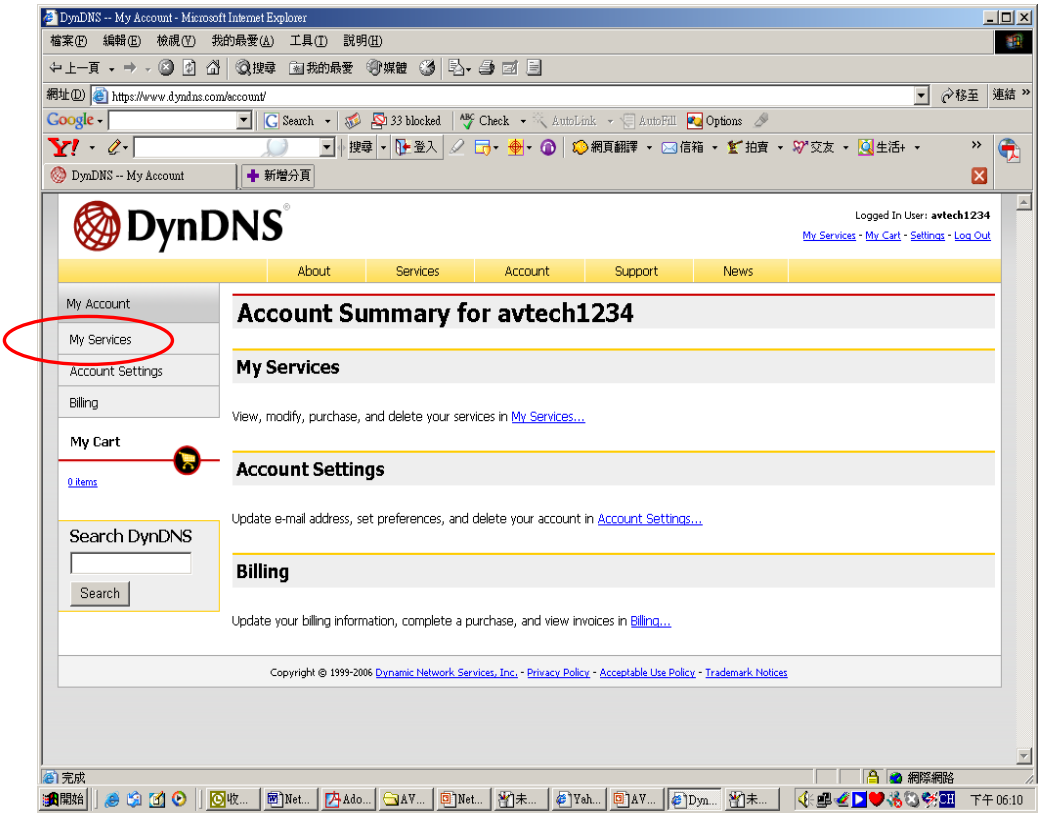
- Then, you will see the screen "Account Created", and Dyndns will email the instructions to your specified E-mail address for enabling your account. Please get this mail within 48 hours and complete the procedure for enabling your account according to the instructions in the mail.



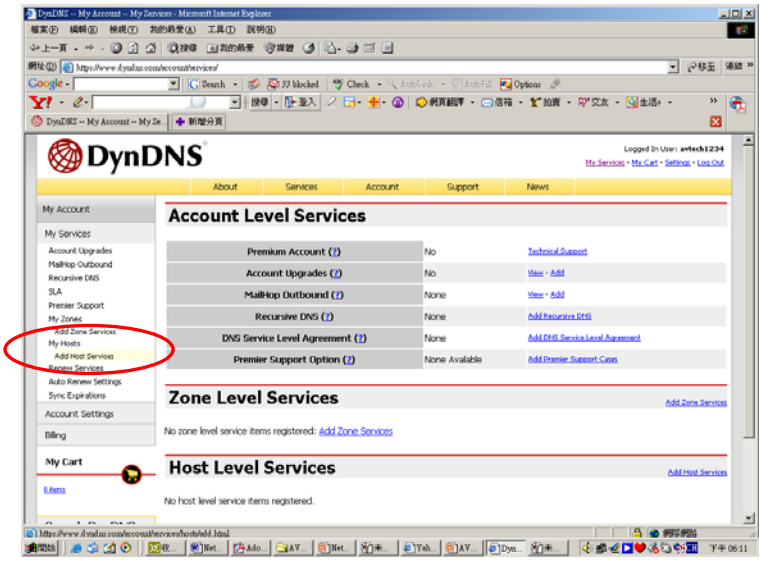
➢ Press the link in the mail and you will see “Account Confirmed”. Your account is created successfully now. Log in with your account information.



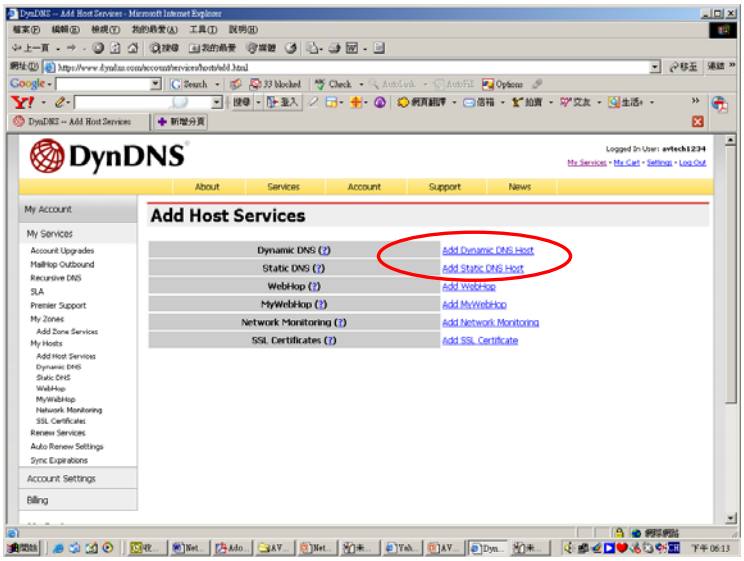
➢ Click ”My Service”.



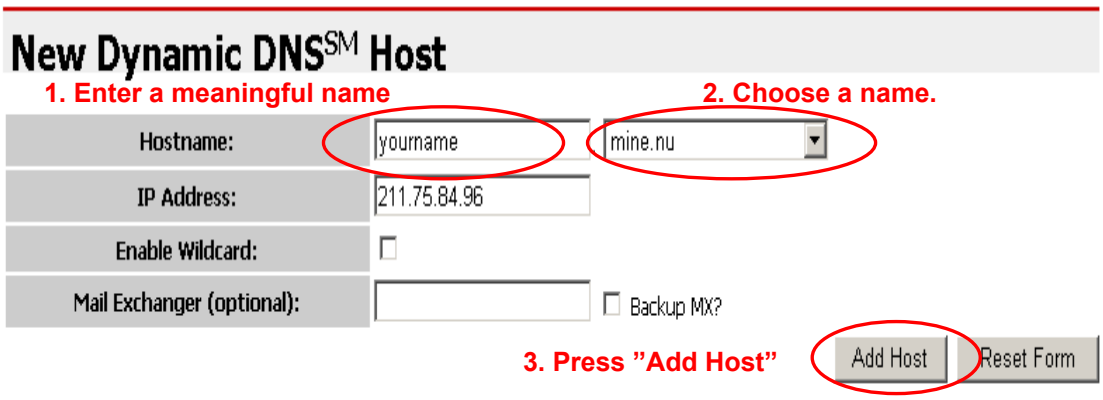
➢ Click ”Add Host Services”.



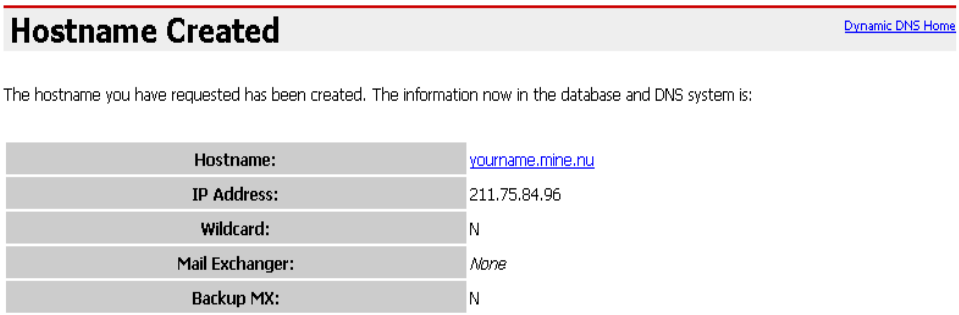
➢ Click ”Add Dynamic DNS Host”.



➢ Fill in and choose the desired host name.



➢ The host name is created. You will be connected to the corresponding IP address whenever you enter this hostname.



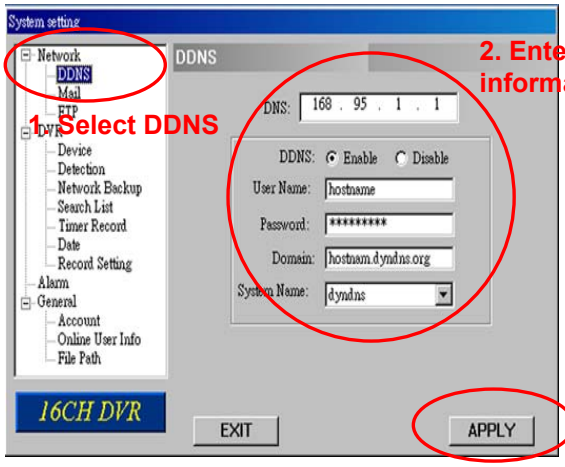
Hostname Created Dynamic DNS Home

The hostname you have requested has been created. The information now in the database and DNS system is:

Hostname:	yourname.mine.nu
IP Address:	211.75.84.96
Wildcard:	N
Mail Exchanger:	*None*
Backup MX:	N

➢ Then, log into the supplied AP software and choose “SYSTEM CONFIG”. Select “Network” -> “DDNS” to further setup.

- DDNS: Choose “Enable”.
- User Name: Type your DDNS account.
- Password: Type your DDNS password.
- Domain: Type the domain name your just created (EX: yourname.mine.nu).
- System Name: Choose the DDNS server where you applied the domain name.
- Press “APPLY” to confirm and finish the setting.

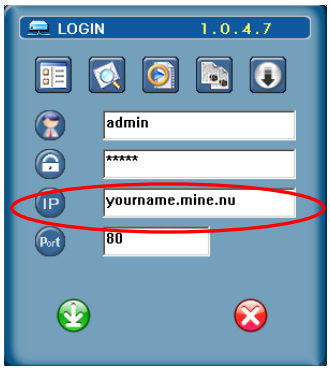


■ **PPPoE:**

➢ After you finish applying and setting DDNS, get a user name/password for PPPoE connection from your ISP, and choose “PPPoE” in “IP TYPE” section. Enter the user name and password. Press ”APPLY” to confirm.

➢ Connect your DVR to ADSL modem, and your DVR will be connected to the Internet with PPPoE setting and enable DDNS. Please wait for a while for DDNS connection to enable. Depending on the process time of the DDNS website, you might need 20~30 minutes for DDNS connection to enable. When DDNS connection is enabled, you can use the domain name to connect to your DVR.

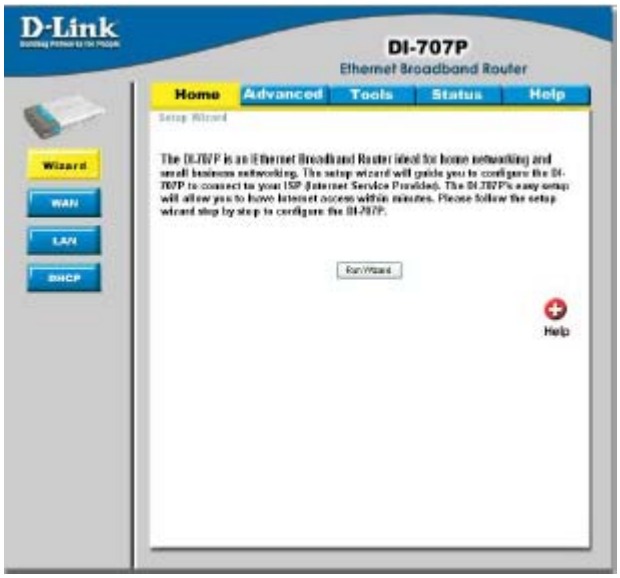
➢ Open the supplied AP software. Enter the domain name and the user name/password (admin/admin by default) for remote DVR login, and you are free of the inconveniences for memorizing the IP address of your DVR, and of the dynamic IP address.



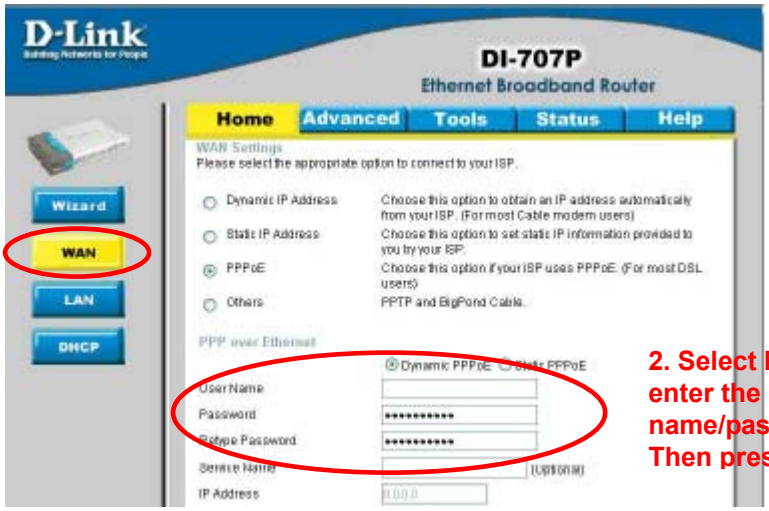
■ DHCP

➢ Get a router and connect it to the Internet via your PC/NB (with Static IP or PPPoE setting). There are different setting methods for different routers, and here D-Link DI-707P is used as an example below.

➢ Log in the router, http://192.168.0.1. The default user name is “admin”, and there’s no password.



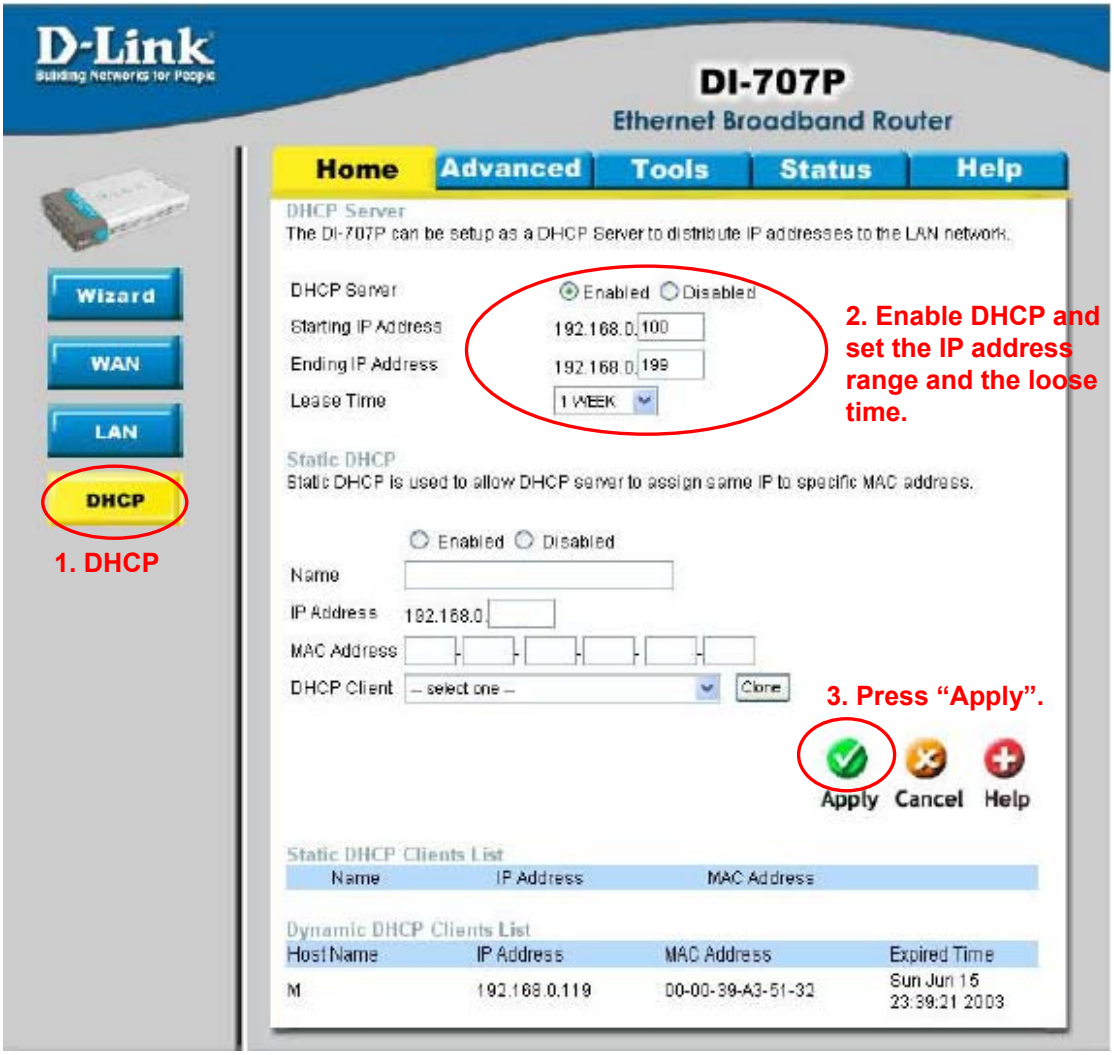
➢ Go to “WAN” page for the network setting.



1. WAN

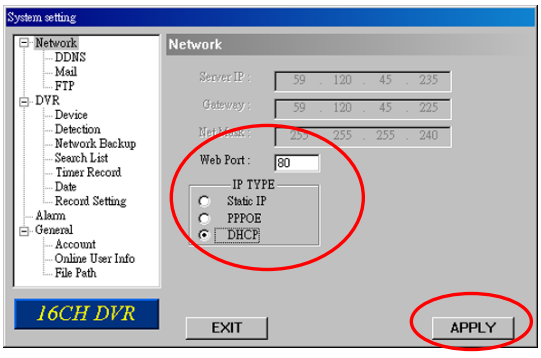
2. Select PPPoE and enter the user name/password. Then press “Apply”.

➢ Go to “DHCP” page to enable DHCP.



➢ Log into the supplied AP software, and set DDNS setting. Please refer to page 6 for details.

➢ Go to ”Network”. Choose “DHCP” in ”IP TYPE” section, and set the port number from 1 to 9999 (except 80) so the router can send the packets to the specified IP address. Press ”APPLY” to confirm and finish the setting.



➢ Connect your DVR to your router, and your DVR will automatically detect DHCP and get a IP address.

➢ Then, go to the menu of your DVR to see the IP address.
The path is: MENU -> ADVANCE -> NETWORK -> DHCP-> IP。

➢ Go to WAN page of the router via your PC/NB, and select “Advanced” tag to change the port number of the IP address into the same number you just entered in the AP software. The port number for Private Port and Public Port must be the same.

NOTE: The web port number set here must be consistent with the one set in “Network” in the AP software.

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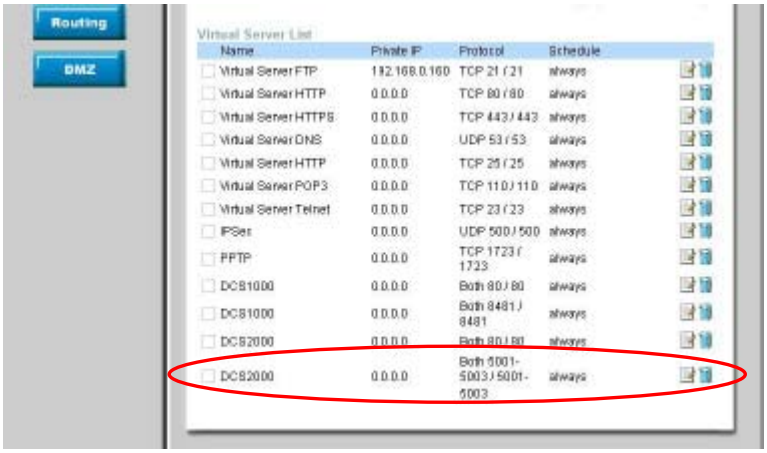
1. Virtual Server

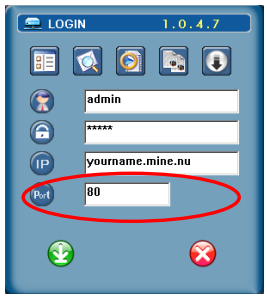
2. Enter all the necessary information.

a) Select “Enabled”
b) Name: the name of the DVR
c) Private IP: the IP address your DVR gets
d) Protocol Type: select from TCP/UDP/both
e) Private Port: web port number
f) Public Port: web port number
g) Schedule: “Always” or the specified time

➢ Press “Apply” and you will see the following list and your setting.



➢ Open the supplied AP software, and enter the domain name, user name/password (admin/admin by default), and the new port number. You can start the remote surveillance now.



Enter the revised port number