

How to connect to Stand Alone DVR series through Web Viewer

A. IP sharing device setup

Usage	Port#	Variable
Remote Console	80	Yes (<i>Under Network setup</i>)
Web Viewer	80	Yes (<i>Under Network setup</i>)
CM3000	80	Yes (<i>Under Network setup</i>)
Firmware Update	5005	Yes (<i>Under Network setup</i>)
DVR DDNS (Upload / Download)	53/1053	N

Please make sure to set the necessary settings on your router before you start to use the Internet (Please refer to the router user manual for more detailed information). For example, we are now using a D-Link router.

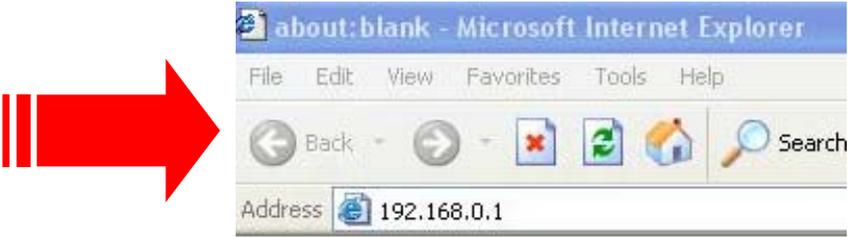
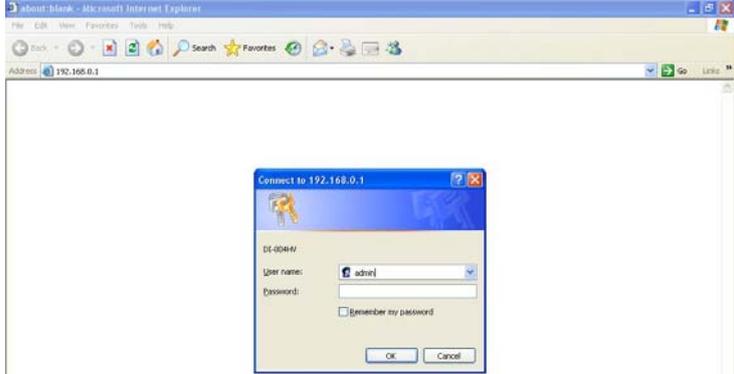
Please make sure to open the following port before using the DDNS service :

DDNS (Dynamic IP) → Please open 53 and 1053 port.

Web Viewer → Open

Step 1:

Please enter the IP address of your router in the Internet Explorer address column, to set the settings in the router.

<p>a</p> 	<p>b</p> 
<p>c</p> 	

Go to **Advanced**. Select **Enabled** and type a name whatever you want in **Name** column.

Type the LAN IP address which belongs to your DVR machine in **Private IP** column.

Select **Both** in **Protocol type** column. '

Type the number **53** in both **Private** and **Public port** column. Select **Always** in **Schedule** column. Finally, please click **Apply** button to confirm the settings.

The screenshot shows the 'Virtual Server' configuration page in the 'Advanced' tab of the D-Link Broadband VPN Router. The page includes a sidebar with navigation buttons for Virtual Server, Application, Filter, Firewall, SNMP, DDNS, Routing, and DMZ. The main configuration area has the following fields:

- Enabled/Disabled:** Enabled
- Name:** DDNS_1
- Private IP:** 192.168.0.102
- Protocol Type:** Both
- Private Port:** 53
- Public Port:** 53
- Schedule:** Always

Below the configuration fields is a 'Virtual Server List' table:

Name	Private IP	Protocol	Schedule	
<input type="checkbox"/> Virtual Server FTP	0.0.0.0	TCP 21 / 21	always	
<input type="checkbox"/> Virtual Server HTTPS	0.0.0.0	TCP 443 / 443	always	
<input type="checkbox"/> Virtual Server DNS	0.0.0.0	UDP 53 / 53	always	
<input type="checkbox"/> Virtual Server SMTP	0.0.0.0	TCP 25 / 25	always	
<input type="checkbox"/> Virtual Server POP3	0.0.0.0	TCP 110 / 110	always	
<input type="checkbox"/> Virtual Server Telnet	0.0.0.0	TCP 23 / 23	always	

At the bottom right of the configuration area are three buttons: **Apply** (with a green checkmark icon), **Cancel** (with a red X icon), and **Help** (with a red plus icon).

Step 2:

Click Continue.

The screenshot shows the D-Link DI-804HV Broadband VPN Router web interface. The page displays the D-Link logo and the text 'DI-804HV Broadband VPN Router'. In the center, there is a message: 'The device is restarting...'. Below the message is a 'Continue' button.

Step 3:

Go to **Advanced**. Select **Enabled** and type a name whatever you want in **Name** column.

Type the LAN IP address which belongs to your DVR machine in **Private IP** column.

Select **Both** in **Protocol type** column. '

Type the number **1053** in both **Private** and **Public port** column. Select **Always** in **Schedule**

column. Finally, please click **Apply** button to confirm the settings.

The screenshot shows the 'Advanced' tab of the 'Virtual Server' configuration page on a D-Link router. The 'Enabled' radio button is selected. The 'Name' field contains 'DDNS_2', 'Private IP' is '192.168.0.102', 'Protocol Type' is 'Both', 'Private Port' is '1053', and 'Public Port' is '1053'. The 'Schedule' is set to 'Always'. Below the configuration fields are 'Apply', 'Cancel', and 'Help' buttons. A 'Virtual Server List' table is visible at the bottom.

Name	Private IP	Protocol	Schedule
<input type="checkbox"/> Virtual Server FTP	0.0.0.0	TCP 21 / 21	always
<input type="checkbox"/> Virtual Server HTTPS	0.0.0.0	TCP 443 / 443	always
<input type="checkbox"/> Virtual Server DNS	0.0.0.0	UDP 53 / 53	always
<input type="checkbox"/> Virtual Server SMTP	0.0.0.0	TCP 25 / 25	always
<input type="checkbox"/> Virtual Server POP3	0.0.0.0	TCP 110 / 110	always
<input type="checkbox"/> Virtual Server Telnet	0.0.0.0	TCP 23 / 23	always

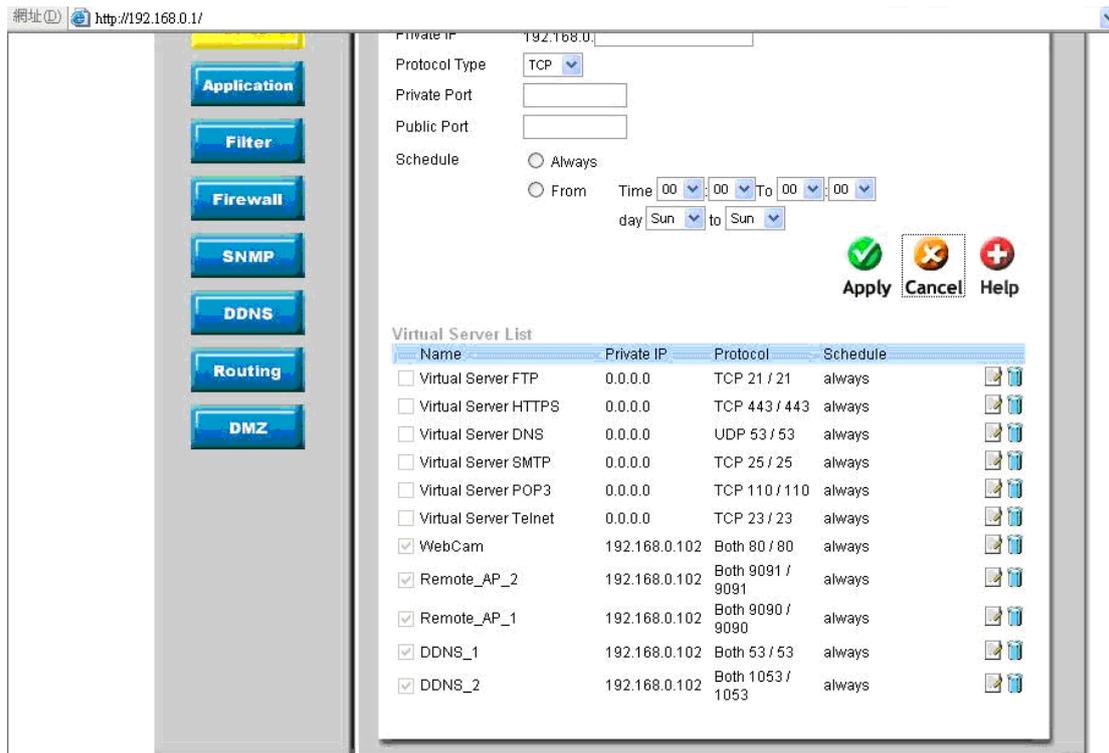
Step 4:

Click Continue.

The screenshot shows the main page of the D-Link DI-804HV Broadband VPN Router. The page displays the D-Link logo and the text 'The device is restarting...'. A 'Continue' button is centered on the page.

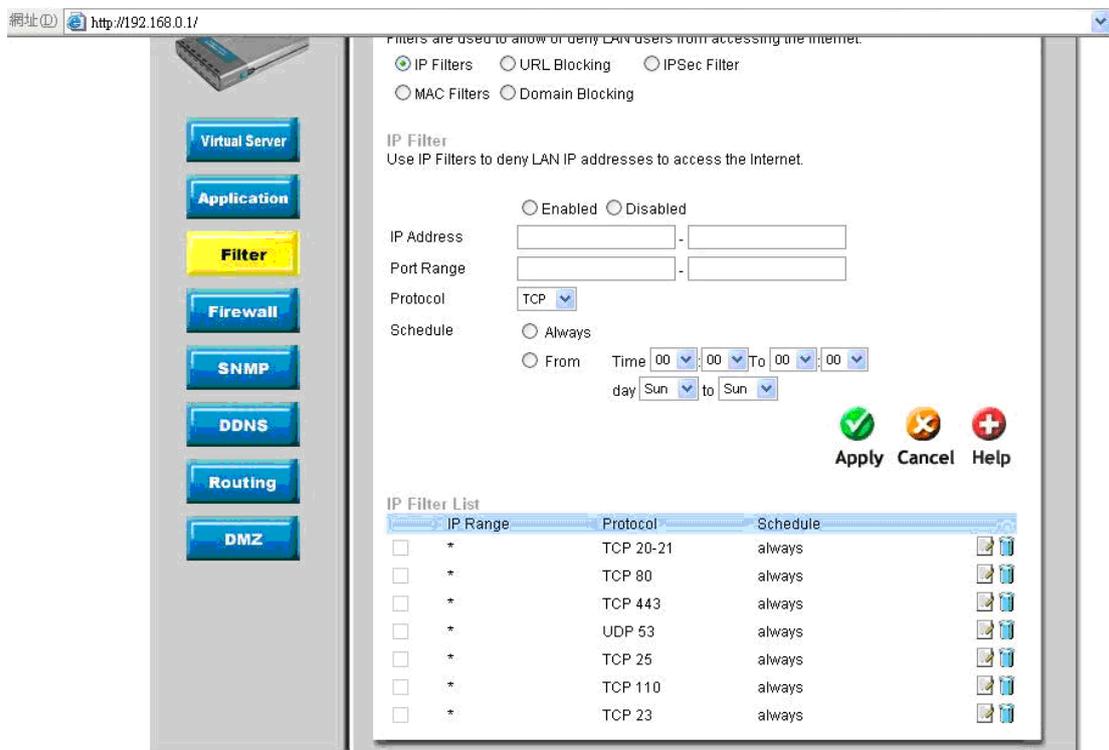
Step 5:

You will see two settings (about the 53 and 1053 settings we just set in the Advanced page previously.) in the Virtual server option. Please make sure the two settings were selected.



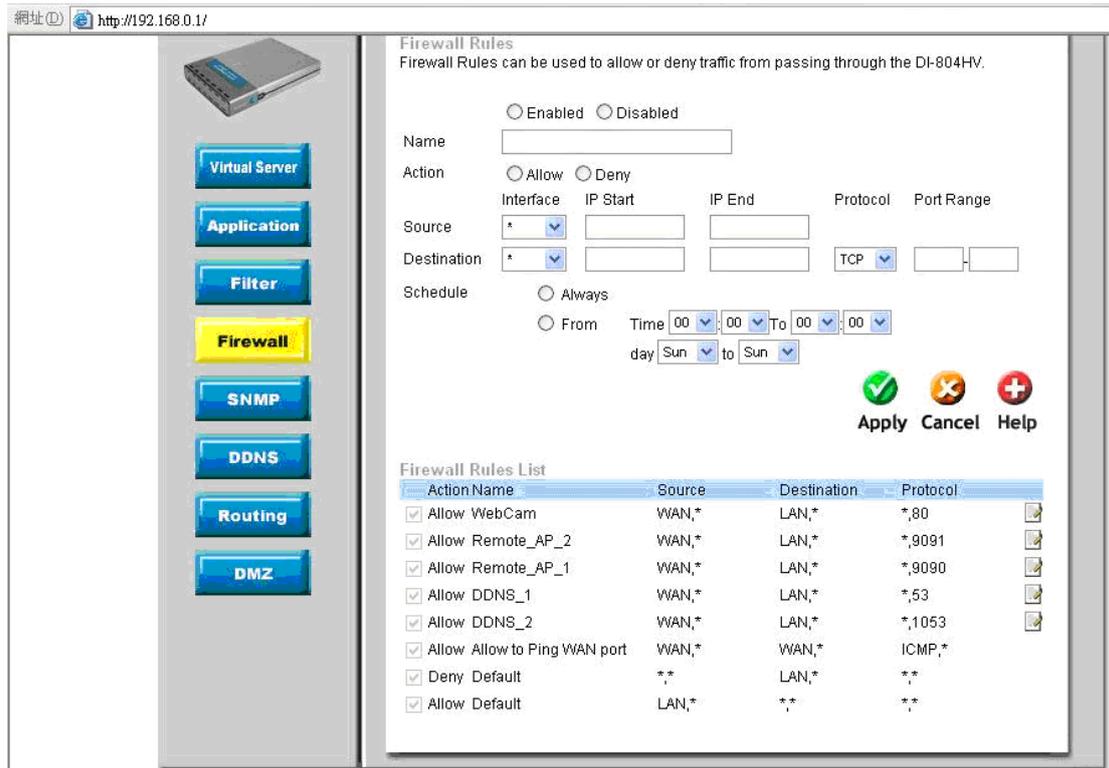
Step 6:

Please make sure you did not set the 53 and 1053 port in the Filter option or it will block the 53 and 1053 port.



Step 7:

Please also make sure you have allowed the 53 and 1053 port in Firewall option or it will block those two ports.



Repeat above steps to open and port mapping or port forwarding Web Viewer (Video) port as well.

B. DVR Network Setup

Step1. Setup the network parameters for the internet or intranet remote monitor or playback.

Stand Alone 4CH series DVR OSD Setup	Stand Alone 16CH series DVR Setup
<p>NETWORK SETUP</p> <p>IP MODE STATIC</p> <p>NW ENABLE <input checked="" type="checkbox"/>1 <input checked="" type="checkbox"/>2 <input checked="" type="checkbox"/>3 <input checked="" type="checkbox"/>4</p> <p>VIDEO PORT 0080</p> <p>UPGARDE PORT 5005</p>	<p>NETWORK SETUP</p> <p>IP MODE</p> <p>NW ENABLE <input checked="" type="checkbox"/>1 <input checked="" type="checkbox"/>2 <input checked="" type="checkbox"/>3 <input checked="" type="checkbox"/>4 <input checked="" type="checkbox"/>5 <input checked="" type="checkbox"/>6 <input checked="" type="checkbox"/>7 <input checked="" type="checkbox"/>8 <input checked="" type="checkbox"/>9 <input checked="" type="checkbox"/>10 <input checked="" type="checkbox"/>11 <input checked="" type="checkbox"/>12 <input checked="" type="checkbox"/>13 <input checked="" type="checkbox"/>14 <input checked="" type="checkbox"/>15 <input checked="" type="checkbox"/>16</p> <p>VIDEO PORT 0080</p> <p>UPGARDE PORT 5005</p>

Use and buttons to go up and down and select **IP MODE**, and then press .

Use and buttons to change the selections and press or to make a selection.

Step2. Setup IP mode based on the network environment

a. STATIC IP mode

Network information setup: Assign a constant IP address which a real IP addresses give from ISP to DVR system. Use  and  buttons to go up and down and select items, and then press  or  to make selection. Use  and  to move left and right to select or enter the configuration value.

If you don't know which IP to setup you can setup 192.168.*.* which is called LAN IP first as following picture illustrated.

NETWORK INFORMATION	
IP ADDRESS	192.168.153.100
SUB NET	255.255.255.255
GATEWAY	192.168.153.254
DNS	192.168.153.1
MAC ADDRESS	00.00.00.00.00.00
CHANGE	



Do Not assign the DVR to 1.0.0.0 network segment. It will cause the DVR can not access to Internet due to the un-recognize to 1.0.0.0 IP segment. Also, please avoid using IP range starting as 10.x.x.x which has been used for DVR inner communication in some models of Stand Alone series DVR.

DNS: Enter the IP address of DNS if it is available. If you have set one in the PC which will connect to DVR, make sure that the value is set the same as PC.

When all parameters are set, select the **CHANGE** to confirm change of configuration and save the setting.



To Setup PPPOE you need to first configured the DVR as static IP first .Please set your Stand Alone series DVR IP the same network with your PC to proceed inputting login information of PPPOE connection through Web Viewer.

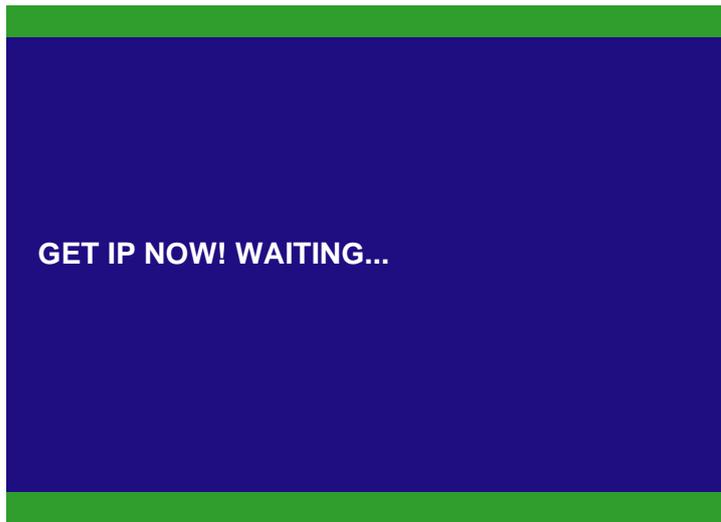
b. DHCP IP mode

Assign the IP address by local DHCP server (normally it is a IP sharing router w/ or w/o firewall or your ISP providing DHCP service please consult your ISP for this service) to DVR system. Use  and  buttons to go up and down and select **DHCP**, and then press  or  to make selection.

NETWORK SETUP

IP MODE	DHCP			
NW ENABLE	<input checked="" type="checkbox"/> 1	<input checked="" type="checkbox"/> 2	<input checked="" type="checkbox"/> 3	<input checked="" type="checkbox"/> 4
VIDEO PORT	80			
UPGARDE PORT	5005			

The DVR system will try to get an IP address from the DHCP server. A message window will show up as below:



When DVR system gets an IP address from DHCP server, the information format is similar as below:

NETWORK INFORMATION

IP ADDRESS	192.168.153.100
SUB NET	255.255.255.255
GATEWAY	192.168.153.254
DNS	192.168.153.1
MAC ADDRESS	00.00.00.00.00.00

If system didn't get any network information, it means that get IP from DHCP server fail.

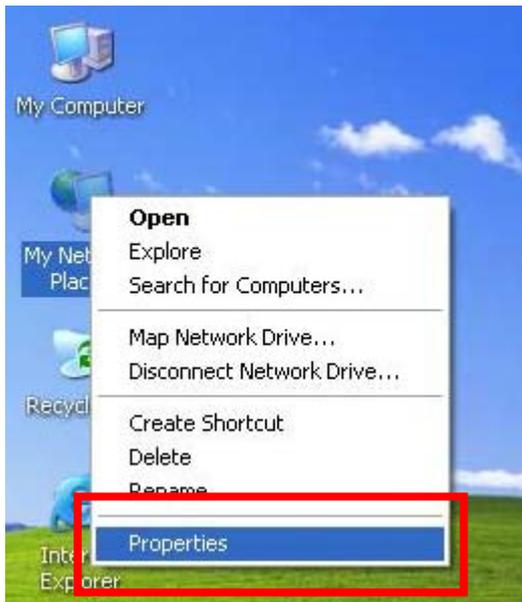
NETWORK INFORMATION	
IP ADDRESS	000.000.000.000
SUB NET	000.000.000.000
GATEWAY	000.000.000.000
DNS	000.000.000.000
MAC ADDRESS	00.00.00.00.00.00

Please check the IP sharing router vendor or your ISP for further suggestion.

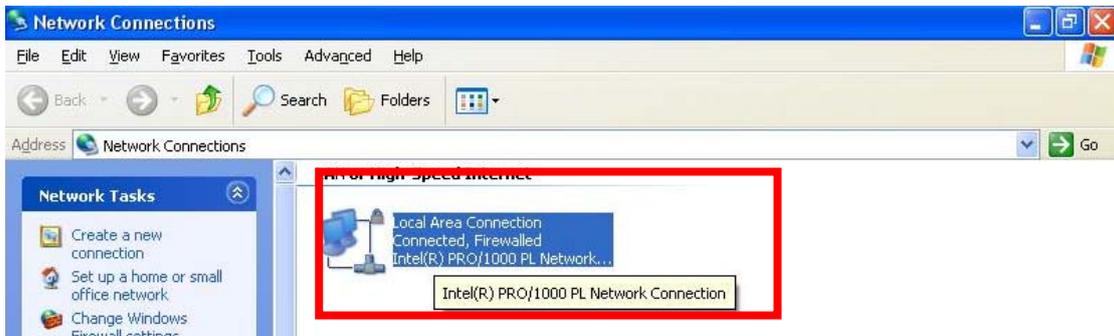
C. Connecting from PC

Step1. Access PC to configure network

Select **My Network places** on Desktop and right click mouse button to prompt drop-down menu then select **Properties**.

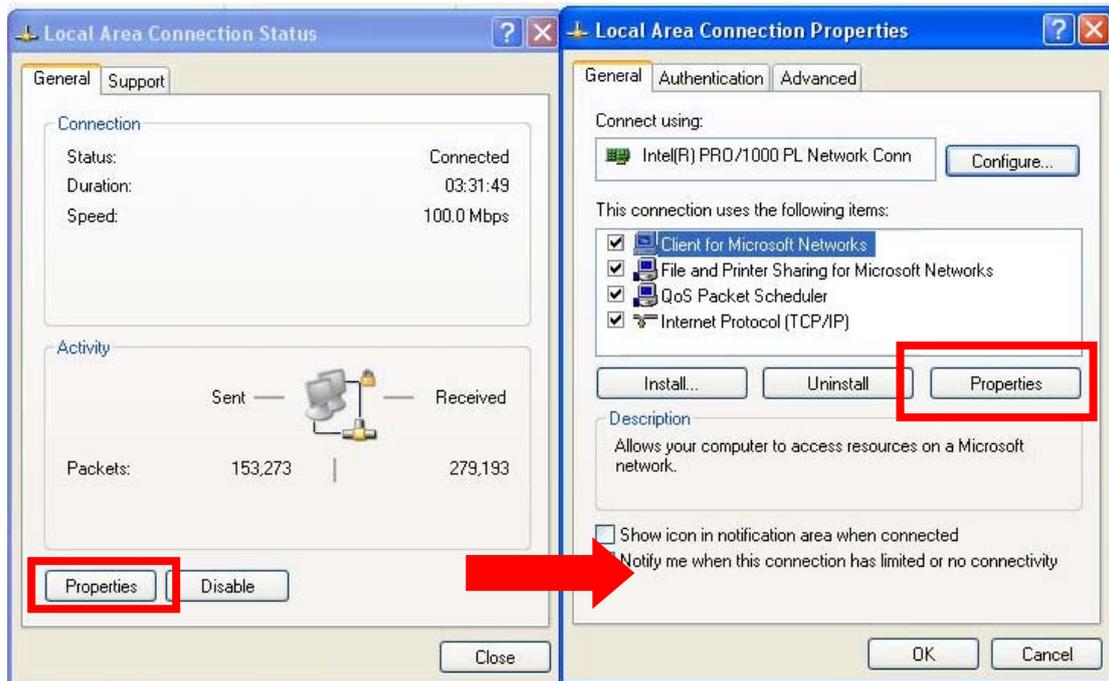


Select Local Area connection or network connection icon and double click the icon.

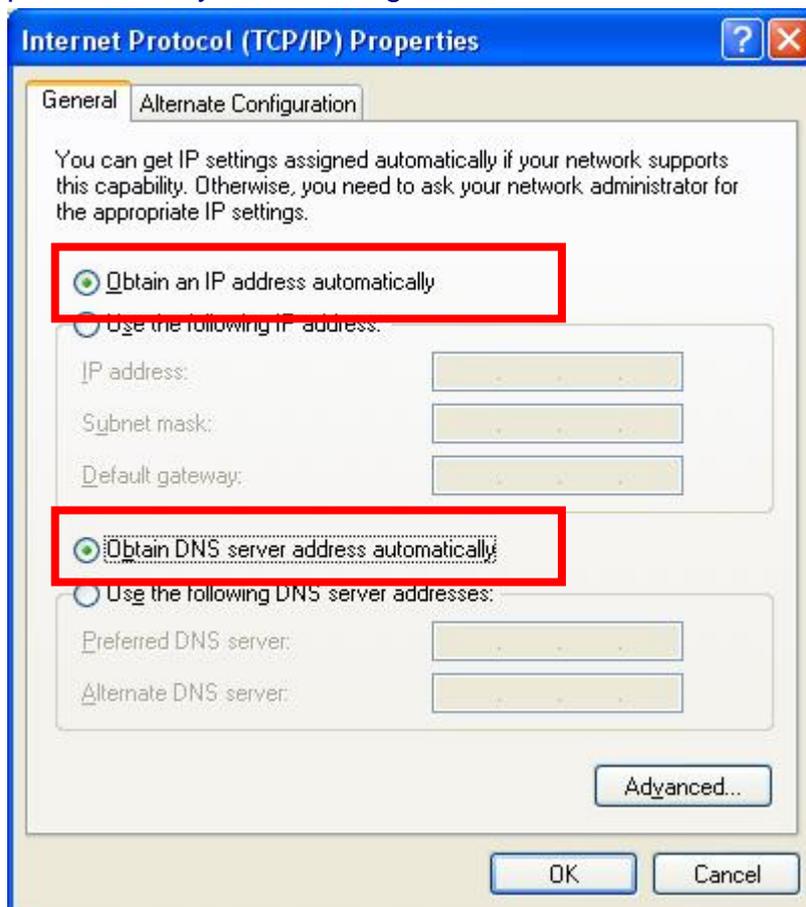


Select the **Properties** under General page of Connection status and select

Properties on connection properties to enter IP setup.



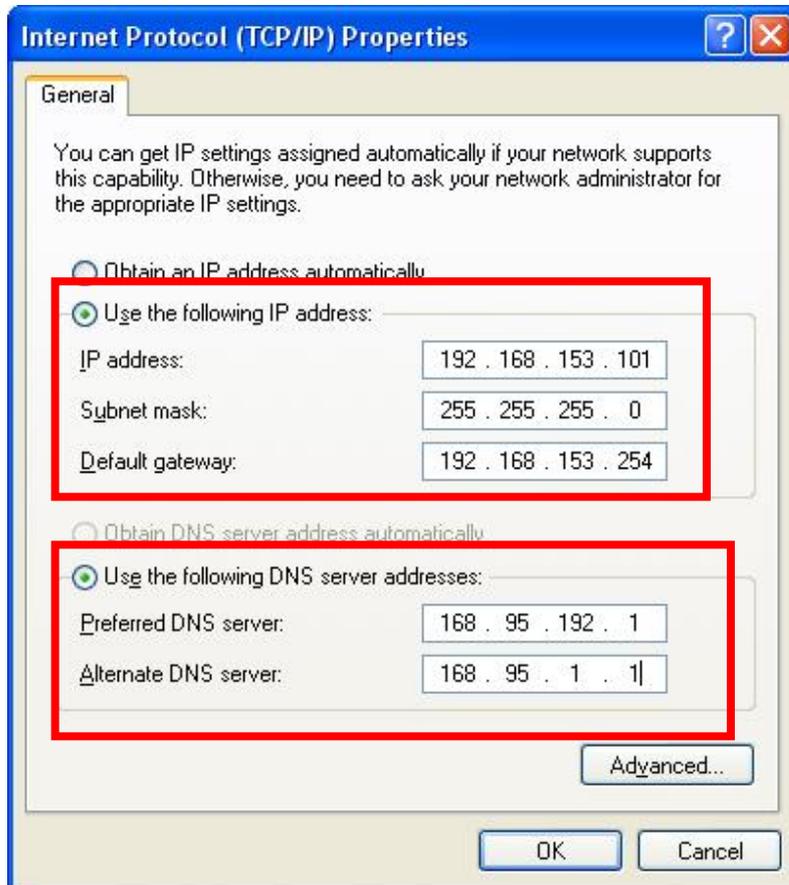
If your PC is connecting to IP sharing router or ISP service mode is DHCP please leave your IP setting as illustrated.



If you connect the DVR in LAN or using a hub to connect DVR and PC, please

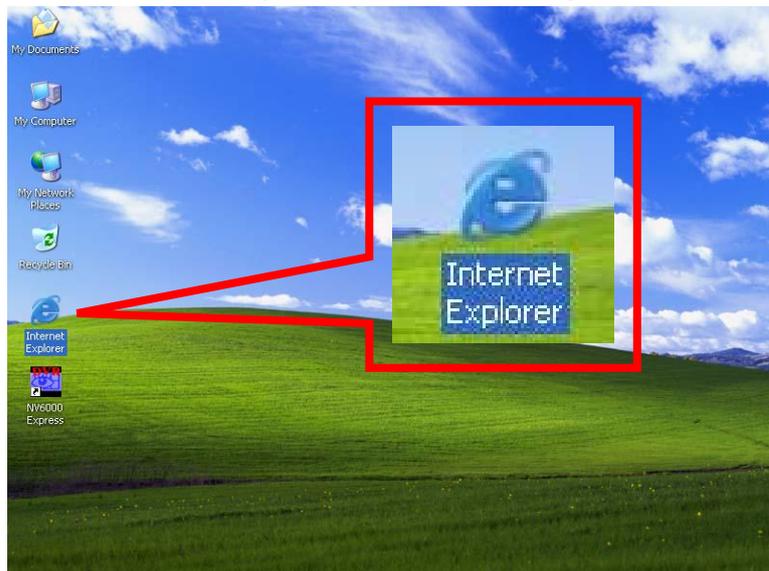
make sure the IP address is under same IP range as DVR. For example 192.168.0.*or 192.168.153.* etc, else they can't connect to each other.

DNS server address setting: please make sure it is the same as DVR setting if you are not for sure of the detail value.

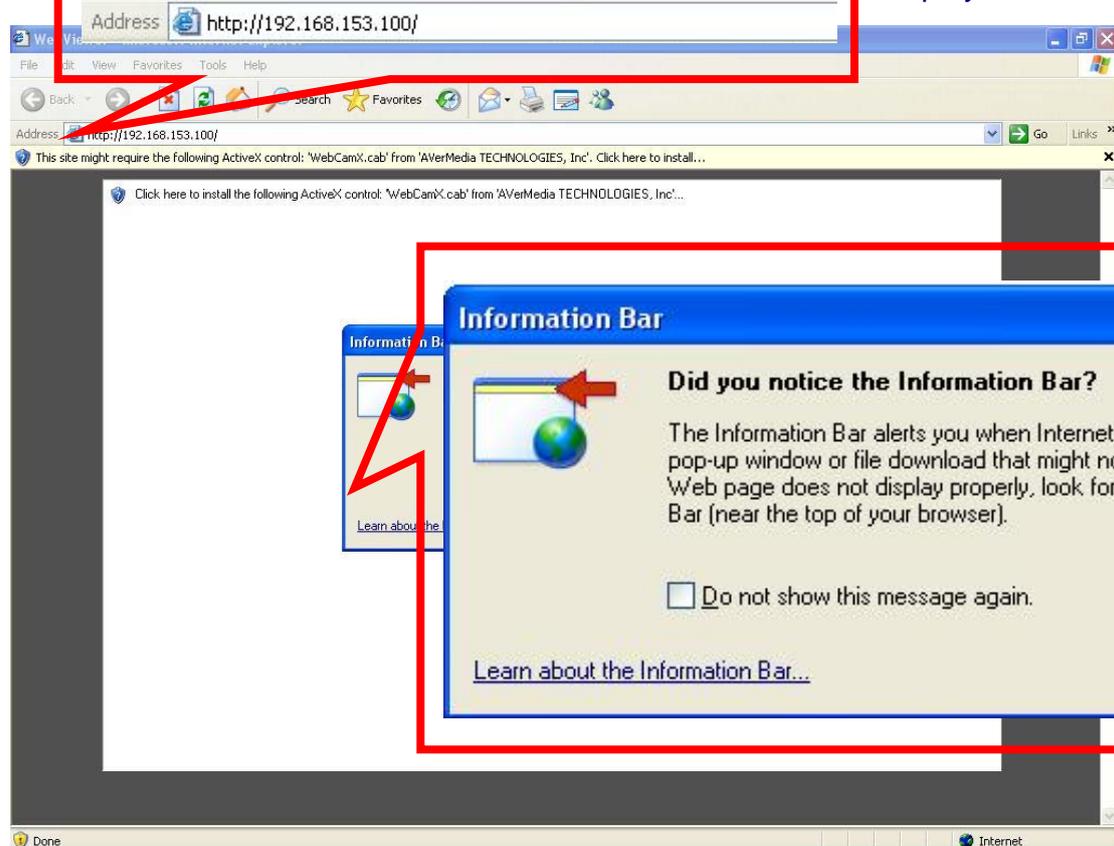


Step 2 Use Internet Explorer to connect DVR

Select Internet Explorer Icon on Desktop and double click it.



Input IP of DVR on the Address column and it will prompt Information bar for installing ActiveX control please press **OK** on the Information inquiry.



Right click on the information bar and select to **Install ActiveX Control**.



Internet Explorer will therefore prompt a ActiveX installed message and press install to install it.



After installed the ActiveX, Web viewer will prompt login inquiry message as

following.

Number of channels	Default ID for changing setting, view live video, and playback.....etc.	Default ID for view live video only	Default ID for live viewing and playback using remote console
4CH DVR	superuser	user	N/A
16CH DVR	ADMINISTRATOR Or ADMIN	USER	OPERATOR



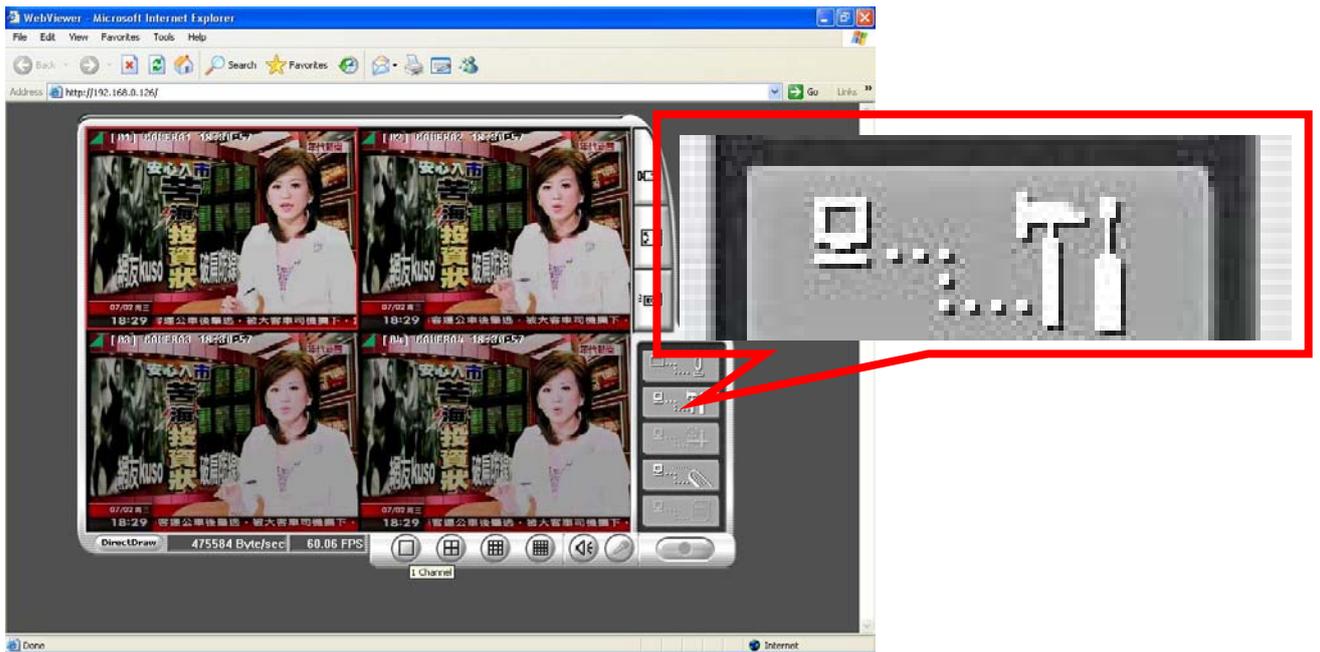
The factory default for all login IDs' password is 111111.

After input ID and password please select network type to connect, if you are not for sure of the type, please select LAN.

You can access DVR web viewer as illustrated below.



Step 3 Use Web Viewer to connect DVR and perform network setup
Access DVR through Internet Explorer by using above steps and press **Remote setup** option button as illustrated below.



Web Viewer will prompt for login inquiry message as illustrated.



Authorization

User

ID: superuser

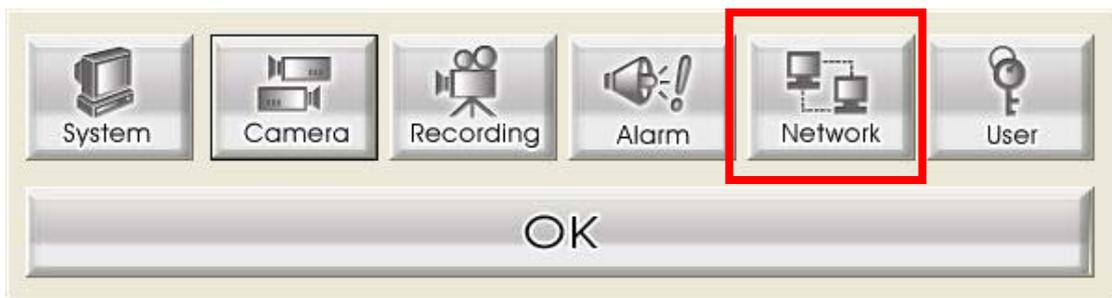
Password: *****

Network Type: 512K

OK Cancel

i Make sure you have input login ID that has authority for changing setting

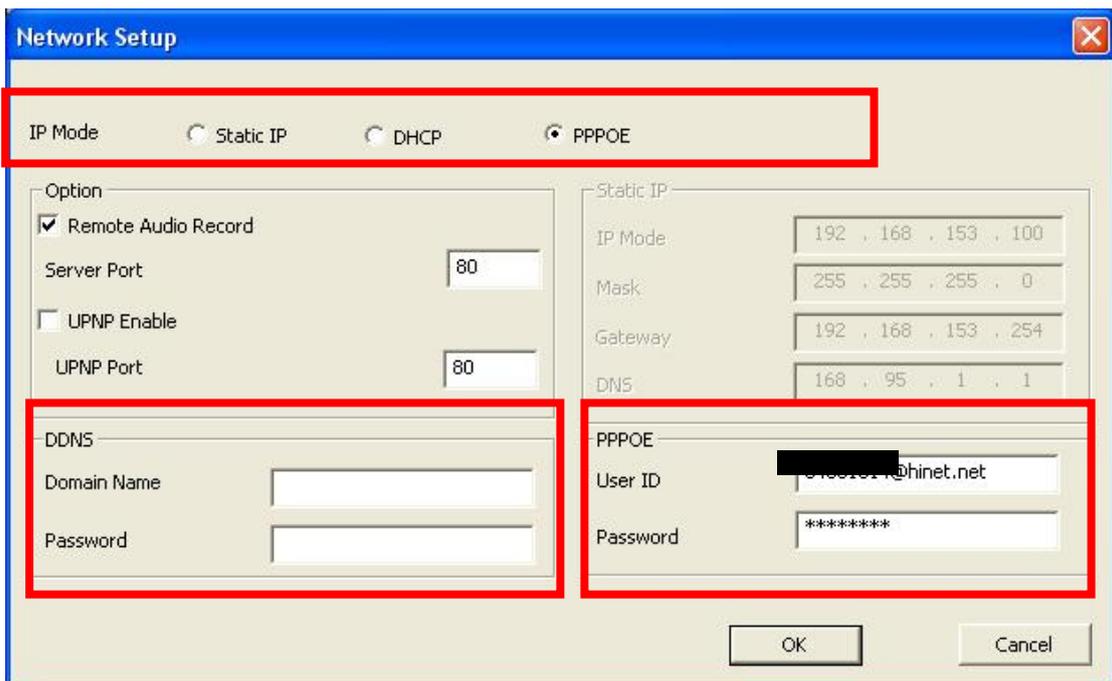
After input password, web Viewer will therefore prompt the remote setup option as following. Press **Network** button



System Camera Recording Alarm **Network** User

OK

Network setup where you can setup IP mode and DDNS setting



Network Setup

IP Mode: Static IP DHCP PPPOE

Option

Remote Audio Record

Server Port: 80

UPNP Enable

UPNP Port: 80

Static IP

IP Mode: 192 . 168 . 153 . 100

Mask: 255 . 255 . 255 . 0

Gateway: 192 . 168 . 153 . 254

DNS: 168 . 95 . 1 . 1

DDNS

Domain Name: []

Password: []

PPPOE

User ID: []@hinet.net

Password: *****

OK Cancel



Before you setup the DVR setting from Static IP to PPPOE IP mode, please select the IP mode to PPPOE first.

D. Setup PPPOE connection

Select IP mode to PPPOE first, and input PPPOE User ID and password, if you are not for sure what information needs to input please consult ISP

The screenshot shows a 'Network Setup' dialog box with the following fields and values:

- IP Mode:** Static IP, DHCP, **PPPOE** (selected)
- Option:**
 - Remote Audio Record:
 - Server Port: 80
 - UPNP Enable:
 - UPNP Port: 80
- Static IP:**
 - IP Mode: 192 . 168 . 153 . 100
 - Mask: 255 . 255 . 255 . 0
 - Gateway: 192 . 168 . 153 . 254
 - DNS: 168 . 95 . 1 . 1
- PPPOE:**
 - User ID: [redacted]@hinet.net
 - Password: *****
- DDNS:**
 - Domain Name: [empty]
 - Password: [empty]

Buttons: OK, Cancel

After input login Id and password Press OK to update the setting.

Then go back to DVR side select PPPOE mode. Use and buttons to go up and down and select **PPPOE**, and then press or to make selection. A message window will show up as below:

The screenshot shows a 'NETWORK SETUP' menu with the following information:

IP MODE	PPPOE
NW ENABLE	<input checked="" type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input checked="" type="checkbox"/> 4
VIDEO PORT	0080
UPGRADE PORT	5005

When DVR system gets an IP address PPPOE, the information format is similar as below all valued

NETWORK INFORMATION	
IP ADDRESS	218 .166 .035 .208
SUB NET	255 .255 .255 .255
GATEWAY	218 .166 .020 .254
DNS	168 .095 .192 .001

If system didn't get any network information, it means that get IP from DHCP server fail.

NETWORK INFORMATION	
IP ADDRESS	000.000.000.000
SUB NET	000.000.000.000
GATEWAY	000.000.000.000
DNS	000.000.000.000
MAC ADDRESS	00.00.00.00.00.00

Please check your ISP for further suggestion, make sure login ID and password is keyed in correctly.

E. Setup DDNS

Note: Before using DDNS service on Stand Alone series DVR please make sure TCP and UDP Ports 53 and 1053 are opened on router or firewall and map to EB1304NET DVR LAN IP first thus Stand Alone series DVR could report the correct WAN IP under NAT infrastructure.

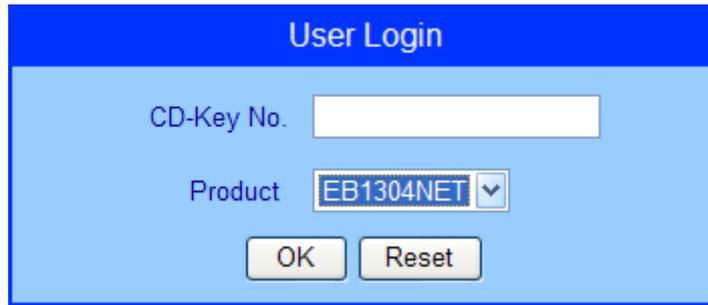
a. . Register DDNS account on DDNS server

DDNS (Dynamic Domain Name Service) is a data query service mainly used on the Internet for translating domain names into Internet addresses. It allows remote clients to intelligently search dynamic servers without any previous enquiring for servers' Internet addresses.

In order to take advantage of this intelligent service, first register your domain name on the following Web site <http://ddns.avers.com.tw>

Step 1 User Login

Browse the website <http://ddns.avers.com.tw> with Microsoft Internet Explorer



The 'User Login' dialog box has a blue header. Below the header, there is a text input field for 'CD-Key No.', a dropdown menu for 'Product' with 'EB1304NET' selected, and two buttons: 'OK' and 'Reset'.

First input the serial number of your product and select the product name. Then click **OK** to login or **Reset** to clear the previous input.



MAC address of the DVR system is the serial number for user to register the domain name on AVerMedia DDNS web site.

To find MAC address of your DVR system, follow the steps below:

1. In OSD menu, select **NETWORK SETUP**
2. Select any one of IP mode
3. A **NETWORK INFORMATION** windows will show up
4. MAC address of DVR system is display as shown
5. The CD-Key of MAC address input format shall be xxxxxxxxxxxx **12 digits without colon (:)** or hyphen (-)

Step 2 User Information

Please provide the following user information, **Host Name**, **Password**, **E-mail**, **Company**, and **Country** to complete the registration process.



The 'User Information' dialog box has a blue header. Below the header, there are several fields: 'Host Name' (text input with a red asterisk), 'Domain Name' (text input with 'avers.com.tw' and a red asterisk), 'Password' (text input with a red asterisk), 'Confirm Password' (text input with a red asterisk), 'E_mail' (text input with a red asterisk), 'Company' (text input), and 'Country' (dropdown menu with 'United States' selected). At the bottom, there are two buttons: 'OK' and 'Reset'.

b. Web Viewer Remote Setup

The screenshot shows a 'Network Setup' window with the following fields:

- IP Mode: Static IP, DHCP, PPPOE
- Option:
 - Remote Audio Record
 - Server Port:
 - UPNP Enable
 - UPNP Port:
- Static IP:
 - IP Mode:
 - Mask:
 - Gateway:
 - DNS:
- DDNS (highlighted with a red box):
 - Domain Name:
 - Password:
- PPPOE:
 - User ID:
 - Password:

Buttons: OK, Cancel

Please check the comparison picture to put your registration info into related column

The comparison shows two side-by-side forms:

- DDNS:**
 - Domain Name: (highlighted with a red box)
 - Password: (highlighted with a red box)
- User Information:**
 - Host Name: (highlighted with a red box)
 - Domain Name:
 - Password: (highlighted with a red box)

Red arrows point from the 'Domain Name' and 'Password' fields in the DDNS section to the 'Host Name' and 'Password' fields in the User Information section, respectively.

- Domain Name

Enter the domain name that user wanted. **Please be noted that you must input full name into this column input format is like **hostname.avers.com.tw****

- Auth Key/Password

A password use to access DDNS to register the domain name.

Please press OK and restart the Stand Alone Series DVR for saving setting and activated the DDNS function.