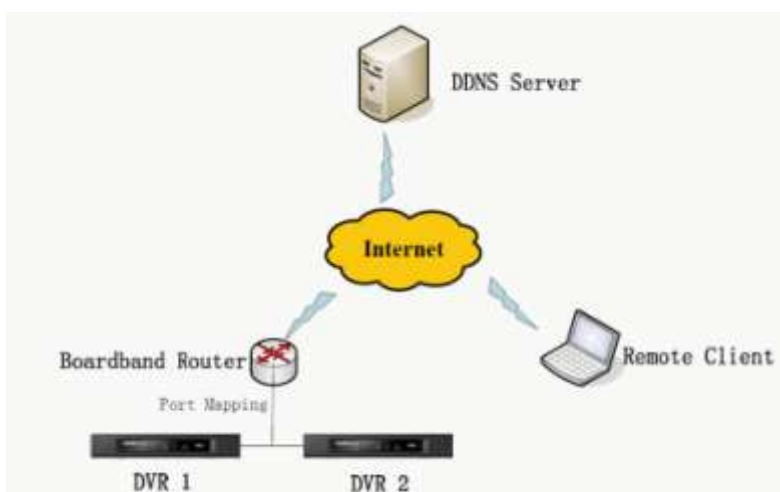


Quick Guide of SimpleDDNS Settings (with UPnP)

Solution 1:

With the development of surveillance systems, more and more users want to use ADSL to realize video surveillance through network. But ADSL gives dynamic IP addresses and here is the one most widely used solution for internet access: DDNS, considering the features of ADSL and the practical situation.



Notes:

Make sure your device is able to be previewed and remote configured in the LAN. IP address, subnet mask and gate way of the device is already filled in correctly.

Make sure the firewall and security software open all the ports needed for the internet access.

DVR local menu > Configuration > Network > General.

General	PPPOE	DDNS	NTP	Email	SNMP	UPnP	More Settings
NIC Type	10M/100M Self-adaptive						
Enable DHCP	<input type="checkbox"/>						
IPv4 Address	172 .6 .16 .5						
IPv4 Subnet Mask	255 .255 .255 .0						
IPv4 Default Gateway	172 .6 .16 .1						
IPv6 Address 1	fe80::8ee7:48ff:fe0e:3a09/64						
IPv6 Address 2							
IPv6 Default Gateway							
MAC Address	8c:e7:48:0e:3a:09						
MTU(Bytes)	1500						
Preferred DNS Server							
Alternate DNS Server							

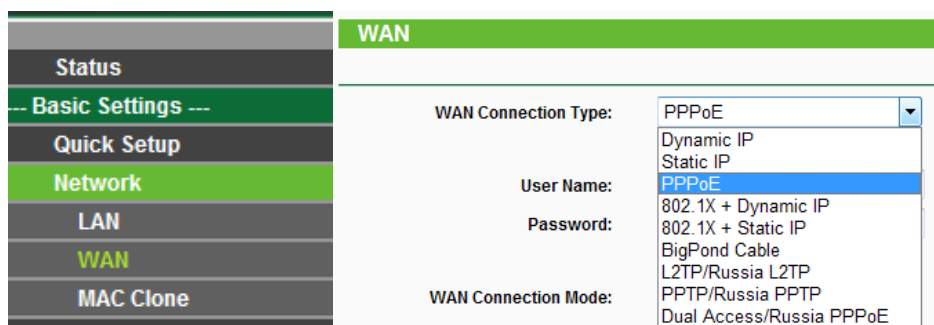
For DNS Server IP, you can refer to the PC connected in the same LAN.

Steps:

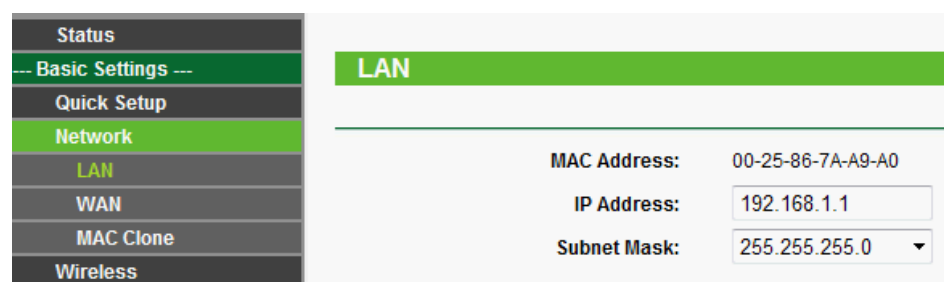
1. Port Mapping.

The following setting is about TP-LINK router (TL-ER340G), which is maybe distinct from other router's setting.

- 1) Firstly, select the router's WAN connection type.



- 2) Set the "network parameter" of the router as the below figure. The setting includes subnet mask and gateway.



- 3) Set the port map in the virtual servers of forwarding. By default, all the DVRs use port 80, 8000, 554 and 8200. For DVR, 80, 8000 is essential (for some new module DVR 554 also needed.)

The following figure gives the illustration. One DVR ports are 80, 8000, (554, 8200) and its IP address is 192.168.1.23. The other DVR ports are 81, 8001, (555, 8201) and IP is 192.168.1.24. Afterwards, enable all or TCP protocols. Enable the port map after pressing the 'Save'.

ID	Service Ports	IP Address	Protocol	Status	Modify
1	80	192.168.1.23	ALL	Enabled	Modify Delete
2	8000	192.168.1.23	ALL	Enabled	Modify Delete
3	554	192.168.1.23	ALL	Enabled	Modify Delete
4	8200	192.168.1.23	ALL	Enabled	Modify Delete
5	81	192.168.1.24	ALL	Enabled	Modify Delete
6	8001	192.168.1.24	ALL	Enabled	Modify Delete
7	555	192.168.1.24	ALL	Enabled	Modify Delete
8	8201	192.168.1.24	ALL	Enabled	Modify Delete

As the settings mentioned above, map the router's port 80 and 8000 to the DVR at 192.168.1.23; and port 81 and 8001 to the DVR at 192.168.1.24. In this way, user can access the 192.168.1.23 through accessing the router's port 80 and 8000.

Notes:

The DVR cannot conflict with other ports. For example, some router's web management port is 80. User can amend the router's or the device's port to solve this problem. Also sometime this problem is caused by the telecom operator. So the http port 80 is probably needed to be changed.

For port 8200, it will be modified automatically when you change the port 8000. You only need to add the port mapping in the router.

2. SimpleDDNS setting.

DVR local menu > Configuration > DDNS > Enable the DDNS > Select SimpleDDNS > Input the Domain name > Apply.

The screenshot shows the 'Configuration' page for DDNS settings. The left sidebar contains a navigation menu with 'General', 'Network', 'Live View', 'Exceptions', and 'User'. The 'Network' menu is expanded. The main content area has tabs for 'General', 'PPPOE', 'DDNS', 'NTP', 'Email', 'SNMP', 'UPnP', and 'More Settings'. The 'DDNS' tab is active, displaying a form with the following fields:

Enable DDNS	<input checked="" type="checkbox"/>
DDNS Type	HIDDNS
Server Address	www.hiddns.com
Device Domain Name	
User Name	
Password	

At the bottom right of the form, there are 'Apply' and 'Back' buttons. At the bottom left of the sidebar, there is a 'Live View' button.

After Apply, if it shows nothing, means successful register.

If it shows "Communication to the server failed", please double check the network and DNS settings.

Solution 2 (With UPnP):

If your device and router support the UPnP function, with this UPnP function, you don't need to do the port forwarding configuration anymore, all the setting will be don't by devices itself. And after some simple settings in the device, you can easily have the remote access through

internet.

Notes:

Please enable the UPnP function in your router in advance.

showing in the General interface.

UPnP settings in the DVR local menu:

Port Type	Edit	External Port	Mapping IP Address	Port	Status
Server Port		8000	0.0.0.0	8000	Inactive
HTTP Port		80	0.0.0.0	80	Inactive
RTSP Port		554	0.0.0.0	554	Inactive

DDNS Management System (optional):

If you have several devices, you can use our DDNS Management System to check the entire status and device log.

1. Login

Open Internet Explorer In the address bar, type IP address of DDNS Management Server

[Http://www.SimpleDDNS.com](http://www.SimpleDDNS.com)

If you don't have an account, please click "register new user" to create a new user.

User Name:

Password:

[Registers new user](#)

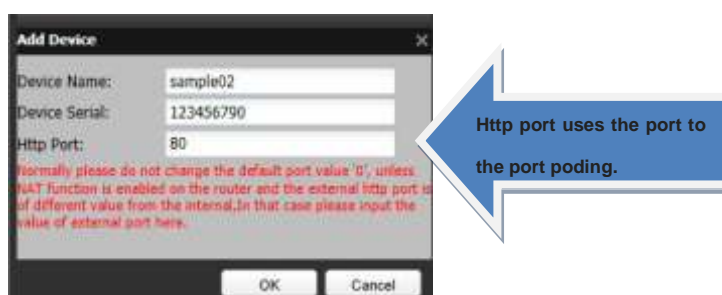
Login Reset

2. Device Management

After login, Click “Device Management”, there is no device at first time. Click “Add” button to add device.



Enter in Device name and serial number. By default, http port is 80. If http port of device was changed from 80, please enter new port in Http Port area.



Notes:

The Device Alias here is used for previewing, if you change the Device name here, then the domain name in DVR will be invalid. And you must fill in the correct Device Serial No.

3. Device status.

Click “Device Status” to show all added devices information like Serial number, Dynamic IP, HTTP port, DDNS IP address. And you can just click the Device Link URL to start previewing.



Remote Access:

Web

After you finish the settings in solution 1/2, then you could access the device directly through web browser by using the URL below, as long as the device is online.

<http://www.simpleddns.com/Domain> ByYou.

Example: <http://www.simpleddns.com/sample>