# 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 v
Enable DHCP	
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	8cte7:48:0et3a: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.

	WAN	
Status		
Basic Settings	WAN Connection Type:	PPPoE 🔹
Quick Setup		Dynamic IP
Network	User Name:	PPPoE
LAN	Password:	802.1X + Dynamic IP 802.1X + Static IP
WAN		BigPond Cable
MAC Clone	WAN Connection Mode:	PPTP/Russia PPTP
142 1		Dual Access/Russia PPPoE

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

Status		
Basic Settings	LAN	
Quick Setup		
Network		
LAN	MAC Address:	00-25-86-7A-A9-A0
WAN	IP Address:	192.168.1.1
MAC Clone	Subnet Mask:	255.255.255.0 -
Wireless		

 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'.

Status						
Basic Settings	Virtua	al Servers				
Quick Setup						
Network						
Wireless	ID	Service Ports	IP Address	Protocol	Status	Modify
Advanced Settings	1	80	192.168.1.23	ALL	Enabled	Modify Delete
DHCP	2	8000	192.168.1.23	ALL	Enabled	Modify Delete
Forwarding	3	554	192 168 1 23	ALL	Enabled	Modify Delete
Virtual Servers			102.100.1.20		Enabled	mount Donoto
Port Triggering	4	8200	192.168.1.23	ALL	Enabled	Modify Delete
DMZ	5	81	192.168.1.24	ALL	Enabled	Modify Delete
UPnP	6	8001	192.168.1.24	ALL	Enabled	Modify Delete
Security	7	555	102 168 1 24	AL 1	Enabled	Modify Delete
Static Routing		555	132.100.1.24	ALL	Enabled	mouny Derete
IP & MAC Binding	8	8201	192.168.1.24	ALL	Enabled	Modify Delete
Dynamic DNS						
Maintenance	Add Ne	W Enable All	Disable All Delete Al			
System Tools	, lua ne		Distance And Delete An	<u> </u>		

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.

					Configu	ration						
@ General	General	PPPOT	DDMS	NIP	Email	ISNIMP	192012	More Setting	10			
. Network >	Enable	DONS	COLUMN 2	MILE	107	STATUS	or ne.	onyre soning	12			_
Live View	DDNS T	Type			HIDDNS							
A Exceptions	Server /	Address			www.hidd	ns.com						
	Device	Domain Na	me									
15 User	User Na	me			t .							
	Passwo	nd										
▲ Live Mnw									Appl	N	Hat	

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:

General	PPPOE	DDNS	NTP	Email	SNMP	<u>UPnP</u>	More Set	tings		
Enable	UPnP			<b>V</b>						
Mappin	д Туре			Auto						~ ) ~
Port Typ	эө	Edit	Extern	nal Port	Mapping	IP Addres	is F	Port	Status	
Server	Port	2	8000		0.0.0.0		6	3000	Inactive	
HTTP P	ort	1	80		0.0.0.0		8	30	Inactive	
RTSP P	Port	1	554		0.0.0.0		5	554	Inactive	
_										
										Refresh

# **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

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



#### 2. Device Management

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

<b>D</b>	ONS Manage	ment System v1.0		ingini egitat 👔 Cur	min User : alta537 : <u>Modify passesind</u> : Logenz
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Denice Status	Banar bos	Course Name	Daite Sale	And Park	Light Notes
Denice	1.1	MARKE	123464789	- 10	
Management	1.1	annahili .	123430788		
	ALL PROPERTY	*11 × 12			Superny 1-2 of 2

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.

Add Device		×	4
Device Name:	sample02	_	
Device Serial:	123456790		Http port uses the port to
Http Port:	80		
Normally please do NAT function is ena of different value fr value of external pr	not change the default port bled on the router and the e on the internal, in that case in here.	value '0', unless stemal little port is please input the	the port poding.
	OK	Cancel	

# 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.

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# **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