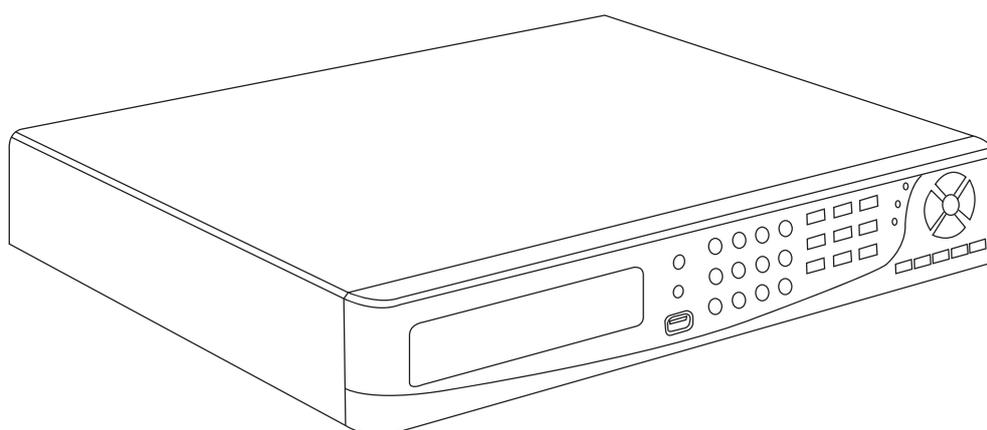


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1. Rules

To allow remote ADSL access to the recorder, the modem router have to be set and the access way the recorder defined. The port used by the recorder is the port nb. 80.

The modem router network address (IP address) can be either fixed (always the same) either dynamic (regularly changed, DHCP mode).

“Internet Access Providers” (IAP) generally gives a dynamic IP for security raisons. Some of then can supplies on demand a fixed address, often with payment.

When dynamic IP is used, DNS mode must be used.

Before settings, following information does have to be asked to the IAP:

- Fixed or dynamic IP.
- Locale modem router IP address.
- Fixed address modem router page.
- IAP DNS address.

2. Recorder settings

For a detailed explanation of the setting, refer to the recorder manual.

2.1 Define a recorder name

Icon "SYSTEM SETUP"

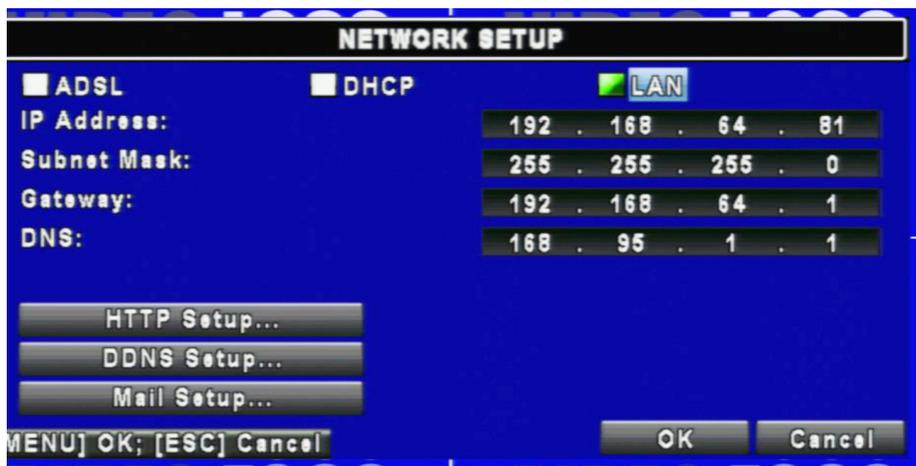
- Enter a name without space.
- "OK" to validate.



2.2 Local network setting

Icon "NETWORK SETUP"

- Select "LAN".
- Enter a IP address in the fixed address range of the modem router.
- Enter the sub network mask 255.255.255.0.
- Enter the gateway IP address (local IP address of the modem router).
- Enter DNS address of the IAP.



2.3 Enable http server

Icon "NETWORK SETUP", "HTTP SETUP"

- Check the box "Enable".
- Select the port number "80" (default setup).
- Validate with 2 times "OK".



Note:

If the port number "80" is used by another application, choose an other unused port number (for example in the range 14 000 to 14 999).

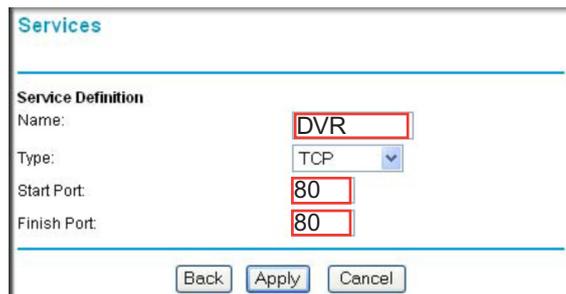
3. Modem-router settings

For a detailed explanation of the setting, refer to the modem router manual.
Pictures are given as example. They are coming from NETGEAR® modem routers manual.

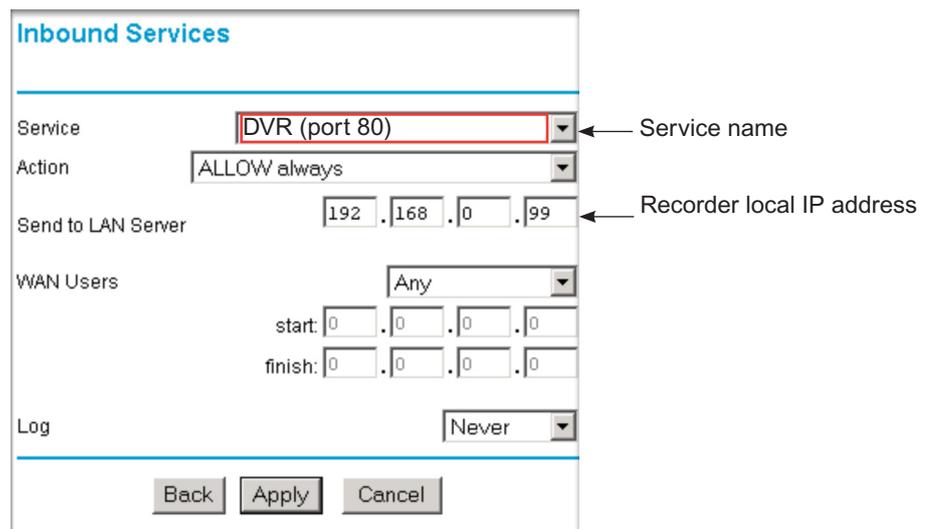
3.1 Fixed IP

NAT setting (Network Address Translation):

- Service definition: give a name (“DVR” for example), type = TCP, start port = 80, end port = 80 (default setup, or the number previously chosen).



Redirect the “DVR” service to recorder Ip address port nb. 80, as a permanent way, for all external IP address.



3.2 Dynamic IP

Create a DNS account: a lot of site allows free DNS account:

<http://www.dyndns.com> or <http://dyn.com>

<http://www.dnspark.com>

<http://www.namecheap.com>

<http://www.dhs.org>

<http://www.dnspertect.com>

<http://www.easydns.com>

<http://www.dnsq.org>

[http://www.myip.us... etc.](http://www.myip.us...)

Choose a significant name for the recorder (for example “Peter_home_dvr”), a password and the extension type:
(Example with www.dyndns.com site and dyndns.org extension: recorder name becomes “peter_home_dvr.dyndns.org”).



Enable the automatic updating of Ip address. This is often done by a little soft installed on a Pc connected on the local network ("DynDNS updater" for the www.dyndns.com site).

Enable DNS service:

- Enable DNS account on the modem router: (for the example: Host name: "peter_home_dvr", user name / password: it is the created DNS account user name and password).

The screenshot shows a web interface titled "Dynamic DNS". At the top, there is a red "X" icon and the text "Use a Dynamic DNS Service". Below this, the "Service Provider" is set to "www.DynDNS.org". The "Host Name" field contains "peter_home_dvr", the "User Name" field contains "DNS user account", and the "Password" field contains "xxxxxxxx". There is an unchecked checkbox for "Use Wildcards". At the bottom, there are three buttons: "Apply", "Cancel", and "Show Status".

NAT setting (Network Address Translation)

Service definition: give a name ("DVR" for example), type = TCP, start port = 80, end port = 80 (default setup, or the number previously chosen).

The screenshot shows a web interface titled "Services". Under "Service Definition", the "Name" field contains "DVR", the "Type" dropdown is set to "TCP", the "Start Port" field contains "80", and the "Finish Port" field contains "80". At the bottom, there are three buttons: "Back", "Apply", and "Cancel".

Redirect the "DVR" service to recorder Ip address port nb. 80, as a permanent way, for all external IP address.

The screenshot shows a web interface titled "Inbound Services". The "Service" dropdown is set to "DVR (port 80)", with an arrow pointing to it from the text "Service name". The "Action" dropdown is set to "ALLOW always". The "Send to LAN Server" field contains the IP address "192.168.0.99", with an arrow pointing to it from the text "Recorder IP address". The "WAN Users" dropdown is set to "Any". Below this, there are "start" and "finish" IP address fields, both set to "0.0.0.0". The "Log" dropdown is set to "Never". At the bottom, there are three buttons: "Back", "Apply", and "Cancel".

4. Remote acces to the recorder

- Fixed IP :

Enter the modem router IP address in the Internet Explorer address bar, the IP address is furnished by the IAP following with the port number (for example : 80.10.50.1:80).

- Dynamic IP with DNS account :

Enter the modem router name in the Internet Explorer address bar (for the example of the § 3.2 : [http:// dvr_peter_home.dyndns.org](http://dvr_peter_home.dyndns.org)).

For a detailed explanation of the remote connection, refer to the recorder manual.