

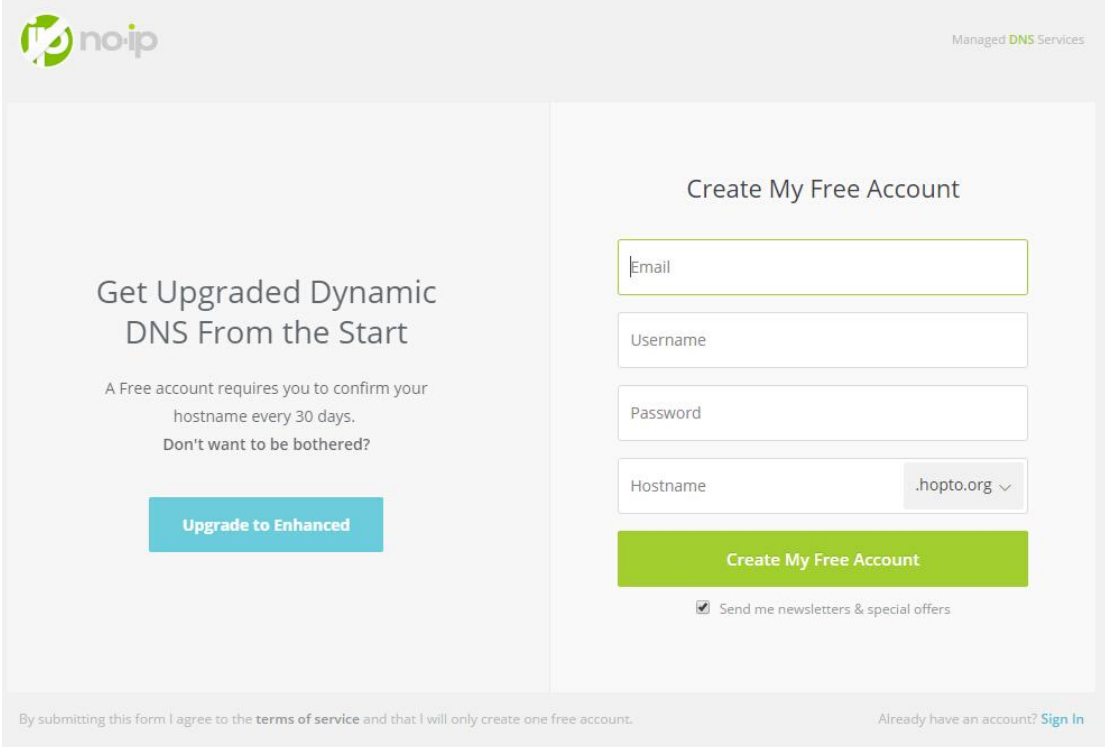
## DDNS to enable GPRS available for LAN

### 1. Registration

Register a Dynamic Domain Name Service software account(here recommend "NOIP", you can also use most stable one as you know )

Website : [www.noip.com](http://www.noip.com)

Click "Sign up" to register an account with email . While registration, you will get a free domain , domain name can be set by yourself.



The screenshot shows the NOIP registration page. On the left, there is a section titled "Get Upgraded Dynamic DNS From the Start" with a blue button labeled "Upgrade to Enhanced". On the right, there is a section titled "Create My Free Account" with input fields for Email, Username, Password, and Hostname. The Hostname field has a dropdown menu showing ".hopto.org". Below the input fields is a green button labeled "Create My Free Account". At the bottom of the registration form, there is a checkbox labeled "Send me newsletters & special offers". The footer of the page contains the text "By submitting this form I agree to the terms of service and that I will only create one free account." and a link "Already have an account? Sign In".

noip Managed DNS Services

Get Upgraded Dynamic DNS From the Start

A Free account requires you to confirm your hostname every 30 days.  
Don't want to be bothered?

Upgrade to Enhanced

Create My Free Account

Email

Username

Password

Hostname .hopto.org

Create My Free Account

☒ Send me newsletters & special offers

By submitting this form I agree to the terms of service and that I will only create one free account.

Already have an account? [Sign In](#)

After registration, please active account with email . And follow the operation tips as which show you .



## Confirm Your No-IP Account

Thanks for creating a No-IP account. We are happy you found us. To confirm your account, please click the button below.

**Confirm Account**

Need help? Open a [Support Ticket](#) now.

Thank you for choosing No-IP! We hope that you enjoy our rock solid services that we have been offering since 1999 to millions of users.

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After activated, you will see an operation tips (as below). Please follow it till all finished .

How to remote access your device:

Step 1 - Create a Hostname. (this step is already complete)

Step 2 - [Download](#) the Dynamic Update Client (DUC).  
The DUC keeps your hostname updated with your current IP address.

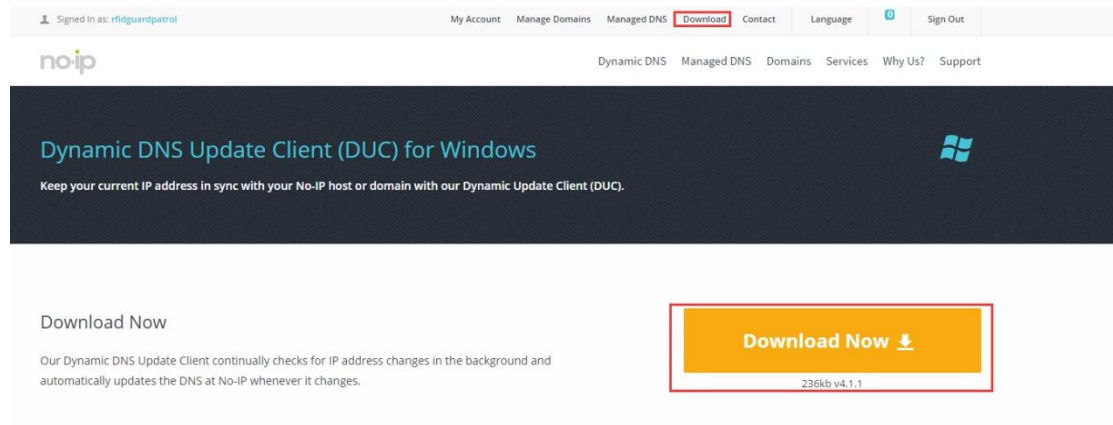
Step 3 - [Port Forward](#) your router.

Done with all 3 steps?

**Get started with Dynamic DNS**

Our [Getting Started](#) Guide has all the information you need to get started.

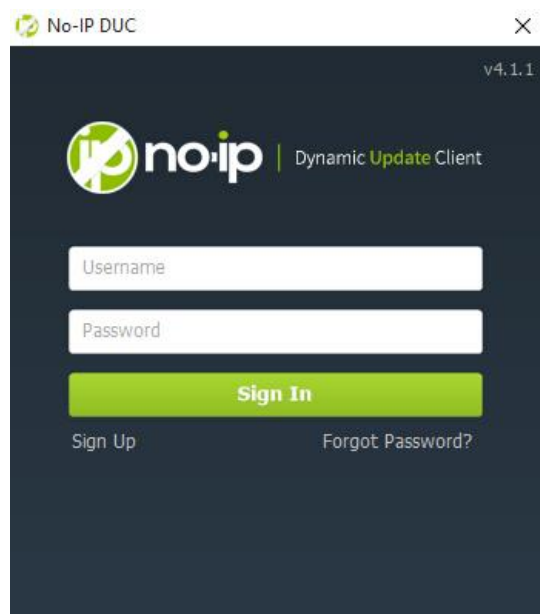
## 2. Download the "Dynamic Update Client".



The screenshot shows the No-IP website's Dynamic Update Client (DUC) download page. At the top, there is a navigation bar with links for "My Account", "Manage Domains", "Managed DNS", "Download" (highlighted with a red box), "Contact", "Language", and "Sign Out". Below the navigation bar, the page title is "Dynamic DNS Update Client (DUC) for Windows". A sub-header reads: "Keep your current IP address in sync with your No-IP host or domain with our Dynamic Update Client (DUC)." A large orange button labeled "Download Now" with a download icon is prominently displayed. Below the button, the file size "236kb v4.1.1" is shown. To the left of the button, there is a section titled "Download Now" with a brief description: "Our Dynamic DNS Update Client continually checks for IP address changes in the background and automatically updates the DNS at No-IP whenever it changes."

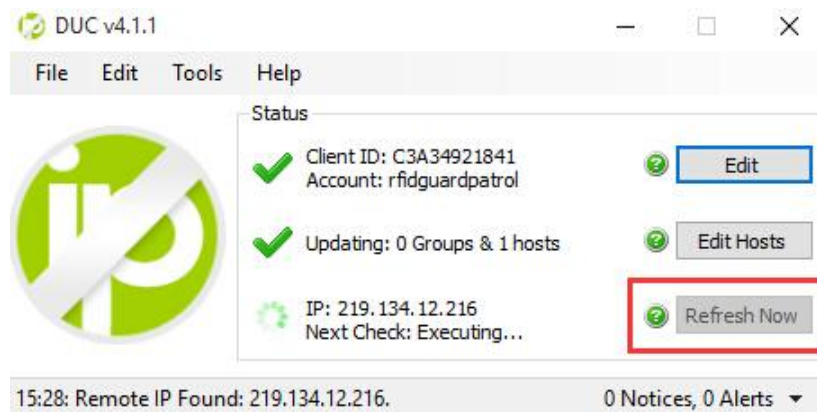
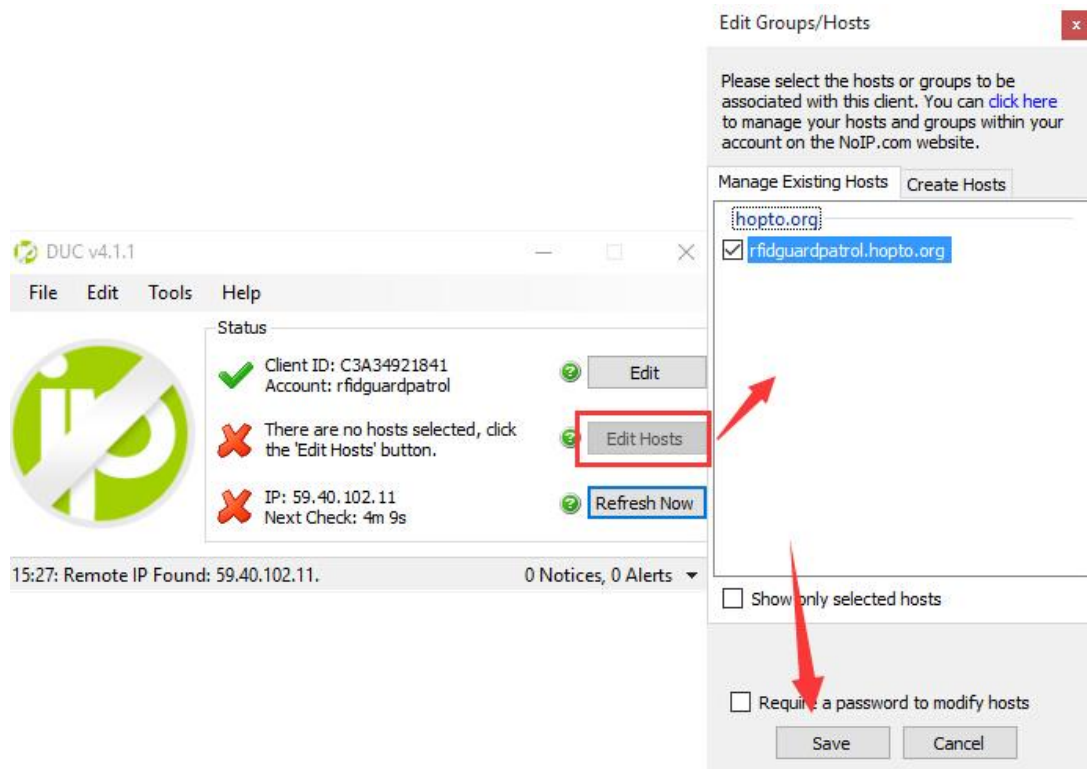
3. Run the "DUCSetup.exe " to install the "Dynamic Update Client" program and install it, login in your registered account .

## 4. Log in “noip” account

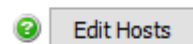


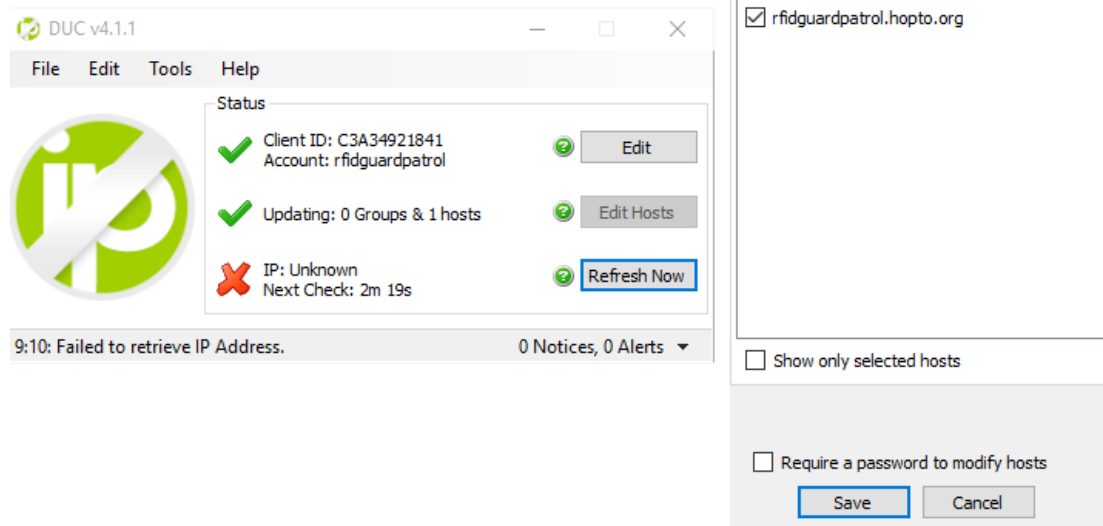
The screenshot shows the No-IP Dynamic Update Client (DUC) login window. The window title is "No-IP DUC" and the version is "v4.1.1". The No-IP logo is displayed on the left. The login form consists of two input fields: "Username" and "Password". Below the password field is a green "Sign In" button. At the bottom of the form, there are links for "Sign Up" and "Forgot Password?".

Notice : Please must ensure all 3 status should be with green tick .



\*\*If you forgot your domain , you can check it under “ Edit hosts”





If your PC visit public network via a Router but not direct visiting . You need to set a port mapping in your Router manager .

## 5. Port mapping/ Virtual Server

There are various Router brand and manufactures , here use DD-WRT as example .Please refer to your working router's user manual for port mapping .

Go to router gateway (it always be 192.168.1.1) , find the “port forwarding” (Port forwarding/ port triggering /) → enter “Application /service name” , “Port from/Start port/external port”, “Port to/End port/ internal port” → protocol as “TCP/UDP” → enter “IP address” → Enable all and save these settings .

## Forwards

Application	Port from	Protocol	IP address	Port to	Enable
PatrolWeb01	80	Both	Your server IP xxx.xxx.x.xx	8000	✓
Patrolclient02	8000	Both	Your server IP xxx.xxx.x.xx	8000	✓
Patrolclient03	8001	Both	Your server IP xxx.xxx.x.xx	8001	✓
Patrolclient04	8002	Both	Your server IP xxx.xxx.x.xx	8002	✓
Patrolclient05	8003	Both	Your server IP xxx.xxx.x.xx	8003	✓
Patrolclient06	8004	Both	Your server IP xxx.xxx.x.xx	8004	✓
Patroldata	xxxx eg.4321	✓Both	Your server IP xxx.xxx.x.xx	xxxx eg.4321	✓

### Tips :

\*Service name/Application: Name by yourself

\*IP address: Your PC's IP address ( This IP address should be fixed , and this PC must be the one where “ PatrolServerListen” running at .Follow below to fix your IP address )

**General**

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

☐ Obtain an IP address automatically

☒ Use the following IP address:

IP address: 192 . 168 . 0 . 127

Subnet mask: 255 . 255 . 255 . 0

Default gateway: . . .

☐ Obtain DNS server address automatically

☒ Use the following DNS server addresses:

Preferred DNS server: 192 . 168 . 1 . 1

Alternative DNS server: 202 . 96 . 128 . 96

☐ Validate settings upon exit

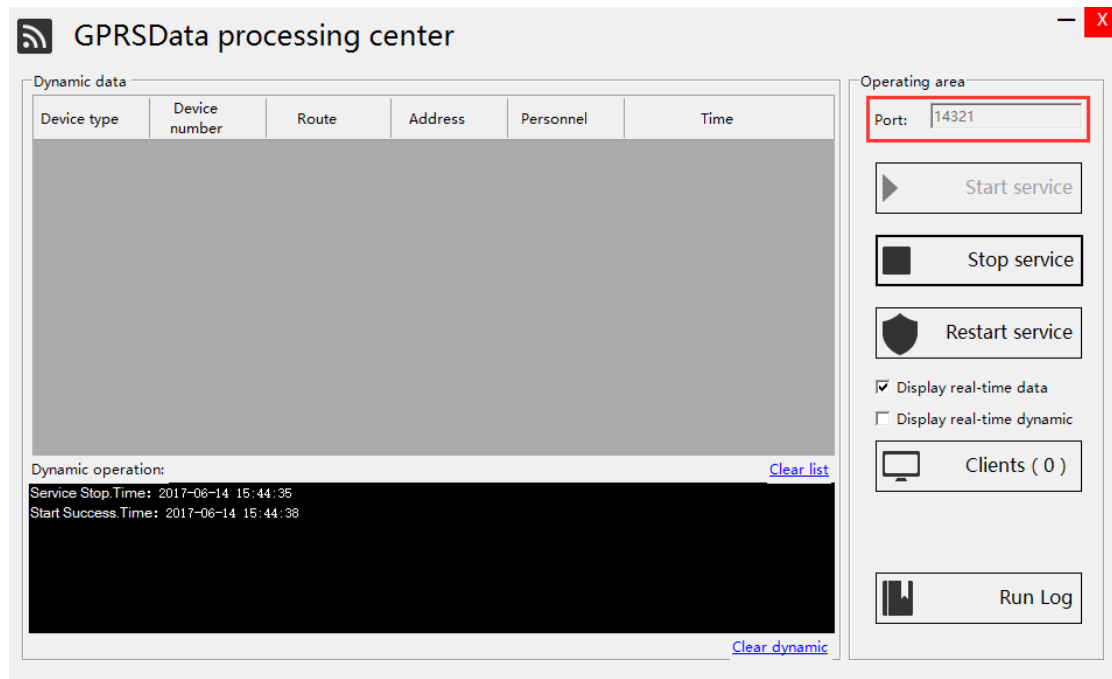
Advanced...

OK Cancel

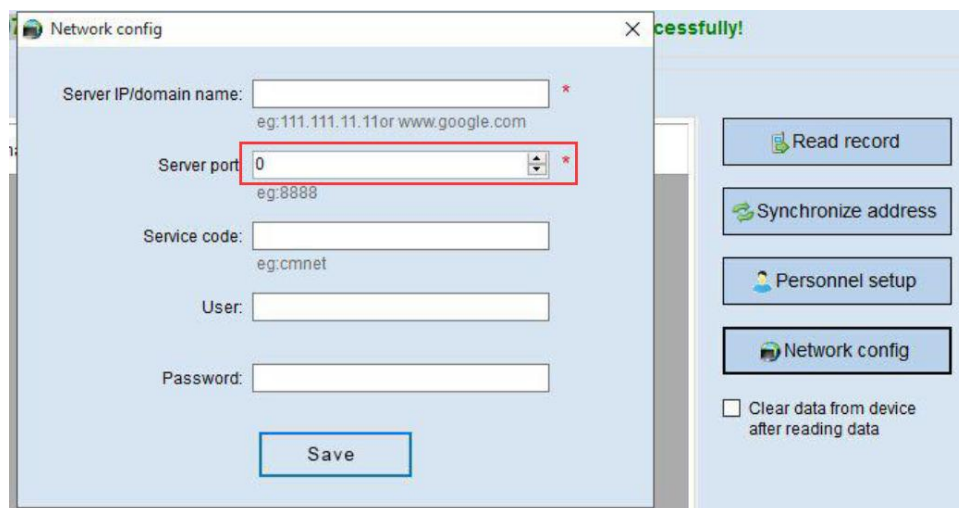
\*Port to : The port can be customized by yourself , suggest 4-6 digit in case of port occupied.

\*“Start port/Port from/external port” and “End port/Port to/internal port” can be set as same .

“End port/Port to/internal port” is same one as what you entered for data receiver program  
“PatrolServerListen”.



“Start port/Port from/external port” is same one as what you entered for GPRS data transferring in  
Patrol software .



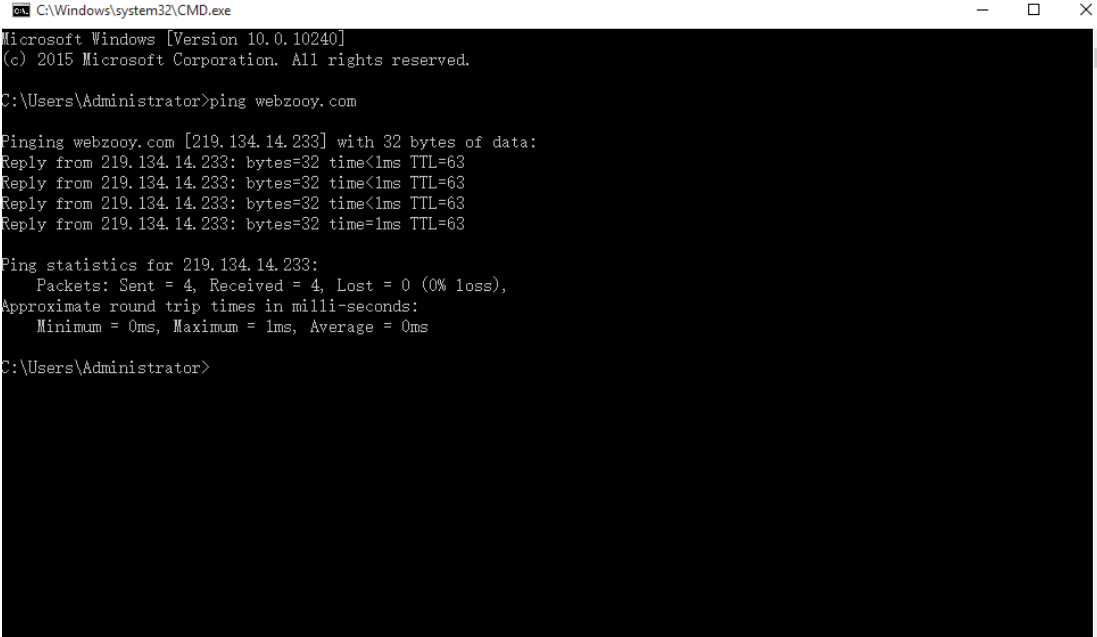
To ensure patrol data in well transferring , suggest you to update your “NOIP” account to VIP one,  
free account maybe not stable and make patrol data can’t be sent out timely .

6. How to check whether all network go through

1. Check whether domain works well

Run “CMD” and enter “ping+ Space + domain +Enter”

E.g. ping [www.yourdomainnam.com](http://www.yourdomainnam.com)



```
C:\Windows\system32\CMD.exe
Microsoft Windows [Version 10.0.10240]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\Administrator>ping webzooy.com

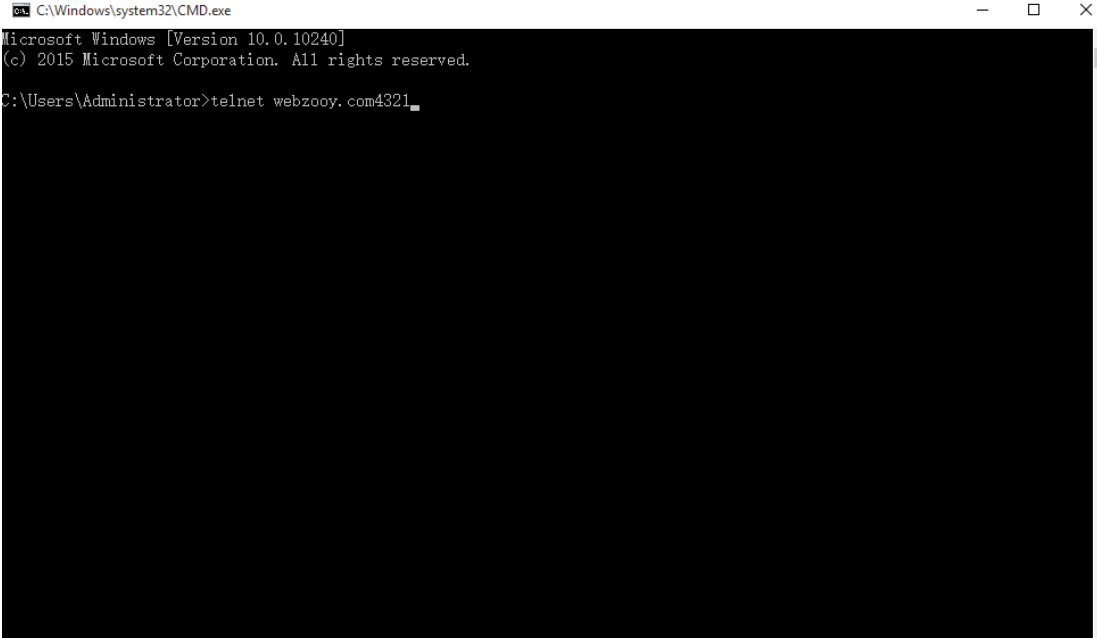
Pinging webzooy.com [219.134.14.233] with 32 bytes of data:
Reply from 219.134.14.233: bytes=32 time<1ms TTL=63
Reply from 219.134.14.233: bytes=32 time<1ms TTL=63
Reply from 219.134.14.233: bytes=32 time<1ms TTL=63
Reply from 219.134.14.233: bytes=32 time<1ms TTL=63

Ping statistics for 219.134.14.233:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\Users\Administrator>
```

2. Run CDM and enter “telnet+ space + domain+ space +port + Enter

E.g. telnet [www.yourdomainnam.com](http://www.yourdomainnam.com) 14321

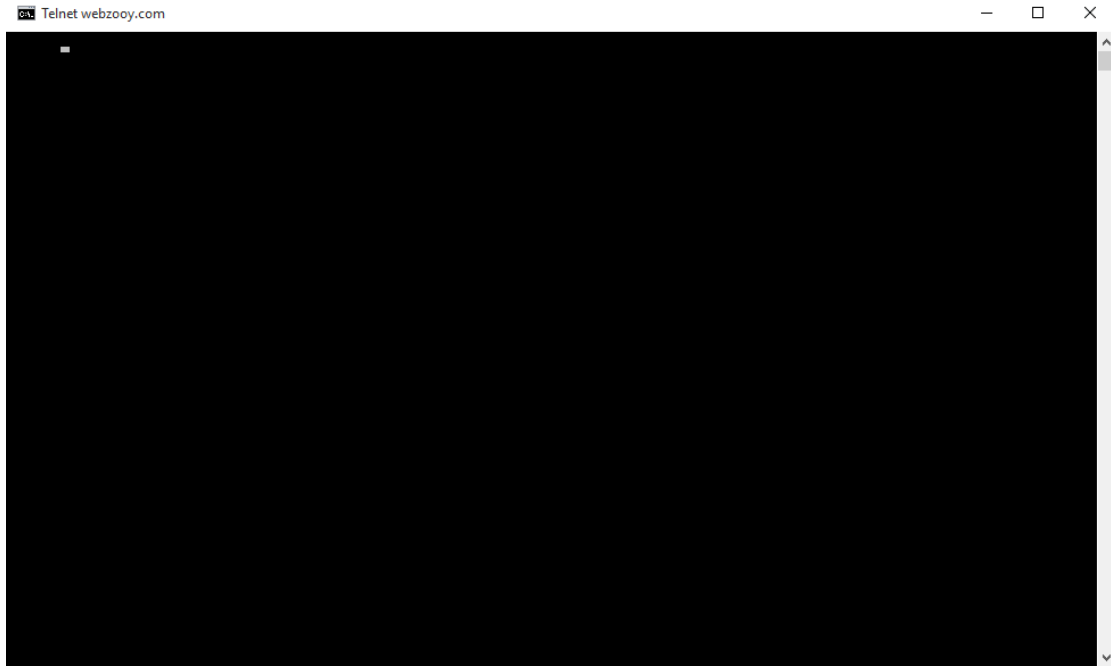


```
C:\Windows\system32\CMD.exe
Microsoft Windows [Version 10.0.10240]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\Administrator>telnet webzooy.com4321_
```

If all run well, you will see a black empty window.

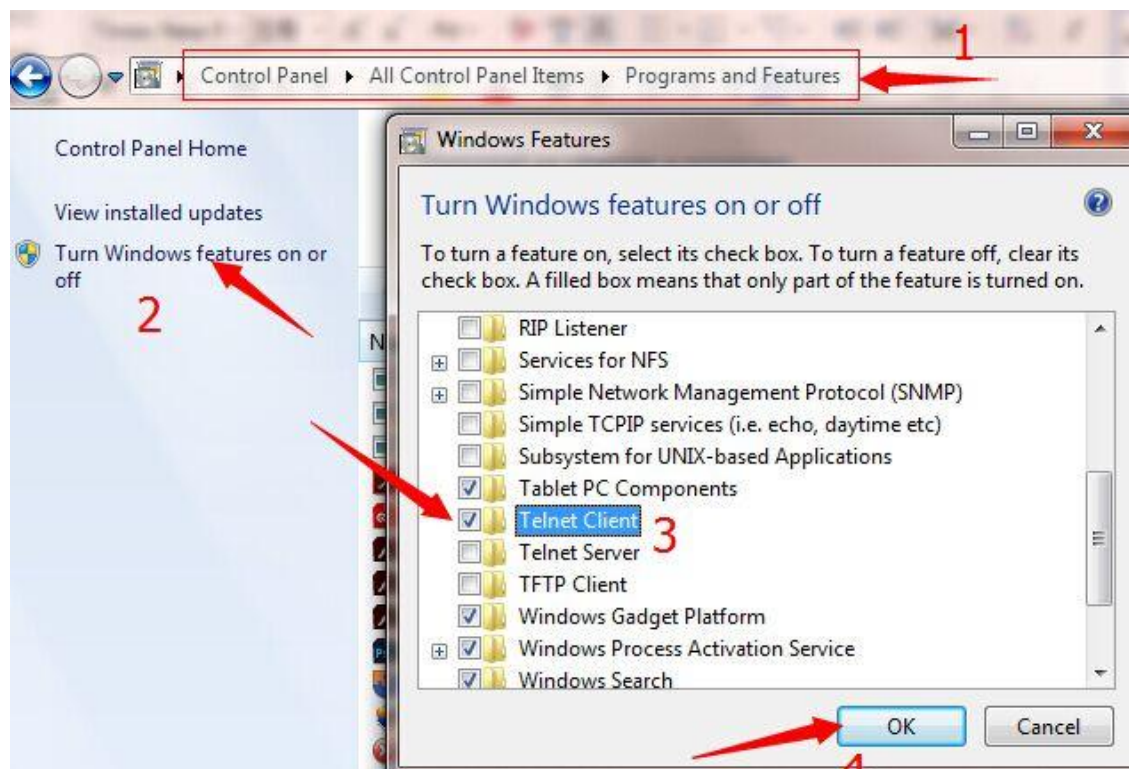




Tips :

If your PC is not equipped with “telnet”, please install telnet first. As below :

Control Panel—> Programs—>Programs and Features—> Turn Windows features on or off—> Tick “Telnet Client” —> OK .Windows will install telnet automatically .



If domain can be pinged and port can be telnet , means all network settings work well. Now you just need go to software to set GPRS network configuration for patrol device.