

iSearch

User Manual

Ver 3.0

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I . iSearch Installation

1.1 Uninstall old version (Skip if none)

If you have previously installed an old version of iSearch, please make sure the program has been exited before you start the installation. A running program can not be completely uninstalled. Program uninstall shortcuts: 'Windows'+ 'X', select Apps & features(F), find the old version of iSearch in it and uninstall it.

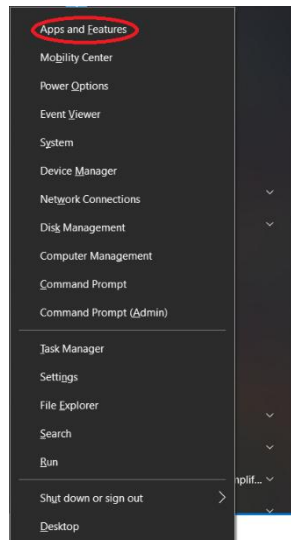


Figure 1.1 Shortcuts interface

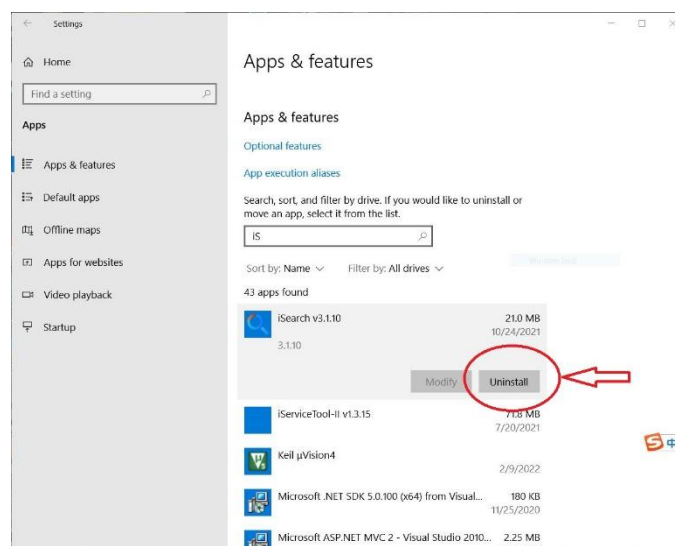


Figure 1.2 Apps & features interface

Or open the "Start menu" and select "Setting", then select "Apps", it also can enter the mentioned interface in Figure 1.2.

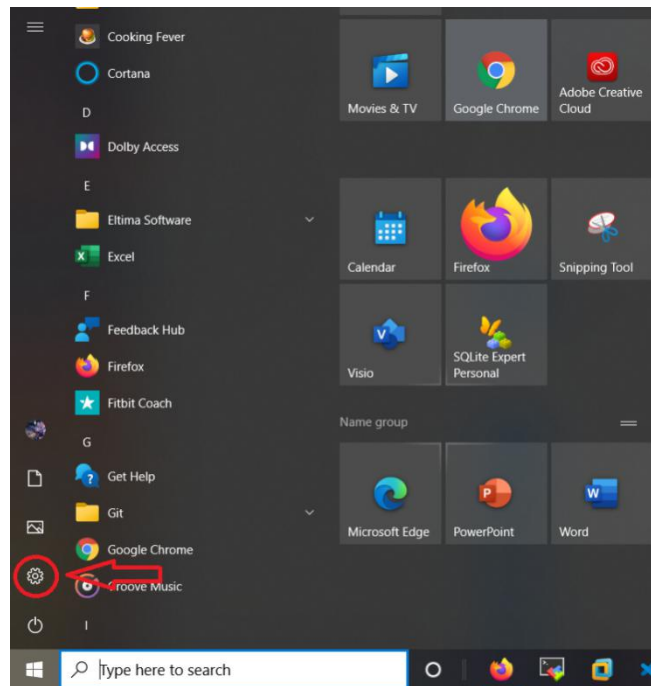


Figure 1.3 Start menu interface

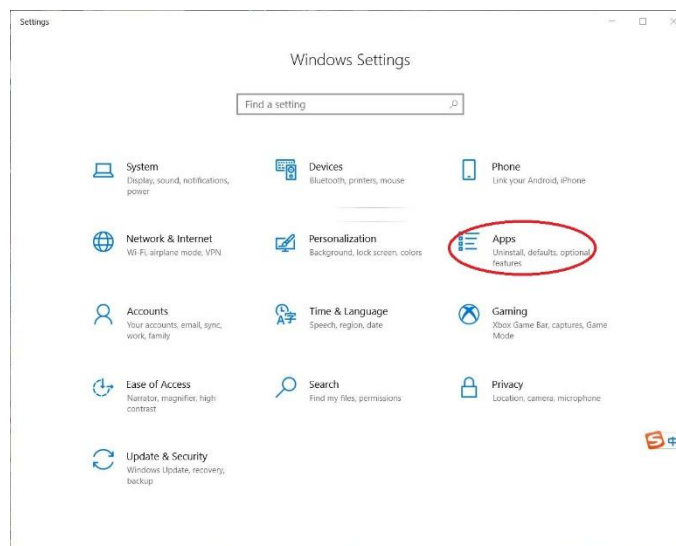


Figure 1.4 Windows setting interface

1.2 Installation

Please right-click the installation package to run as administrator!

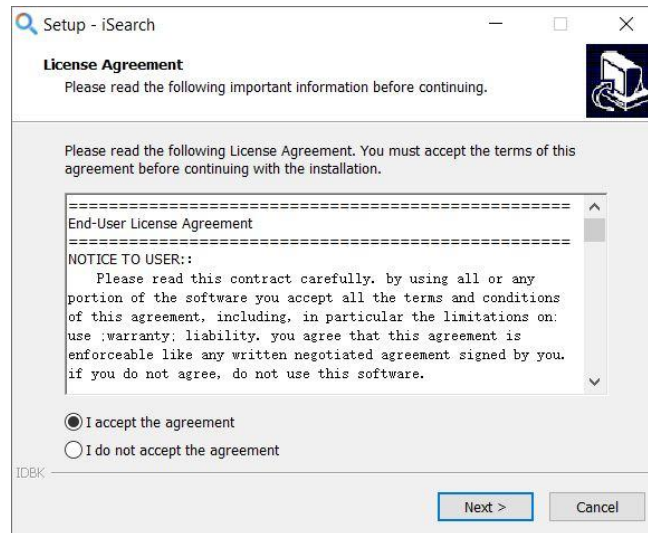


Figure 1.5 Installation interface

1.3 Path selection

If there are residual files occupying the “iSearch” name folder after the uninstall of the old version, causing installation problems, you can manually change the installation path to another folder such as “iSearch3”. (Note: If the program is uninstalled after exiting, there are usually no residual files)

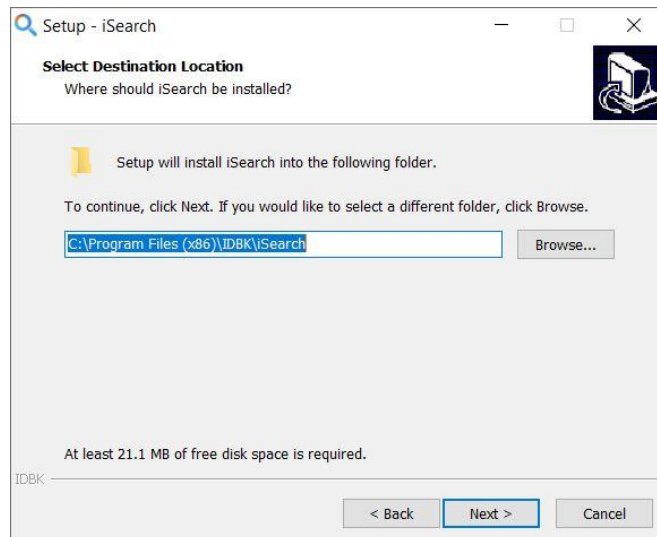


Figure 1.6 Installation path

1.4 Create start menu folder

The IDBK folder contains all the tools and programs provided by IDBK, making it easy to be managed and used centrally.

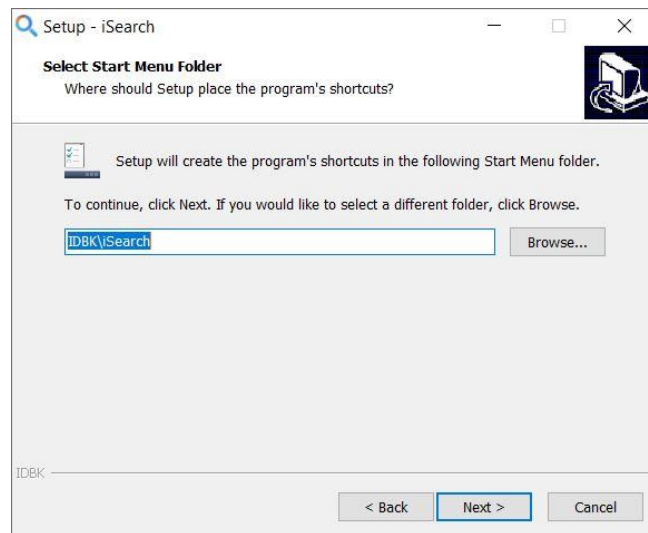


Figure 1.7 Create start menu folder

1.5 Installation completed

If the WinPcap is not installed, the WinPcap driver will be automatically ticked.

This option will not appear if WinPcap is already present on the computer.

If you need to install the driver manually, the installation package is located in the software installation directory(default is C:\Program Files (x86)\IDBK\iSearch\). Uninstalling the driver can refer to the above steps of uninstalling the software.

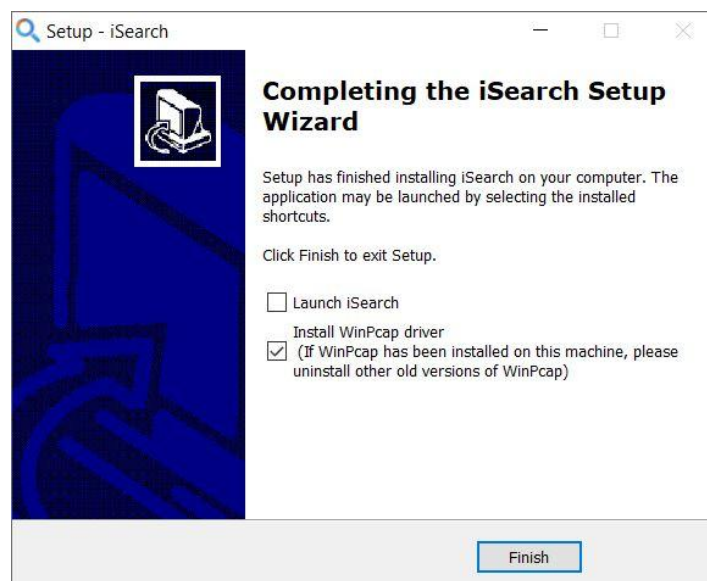


Figure 1.8 The installation finish interface without WinPcap driver installed

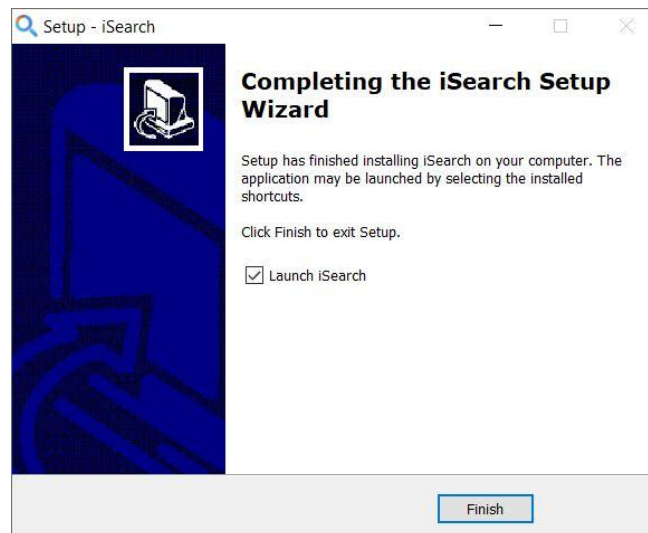


Figure 1.9 The installation finish interface with WinPcap driver installed

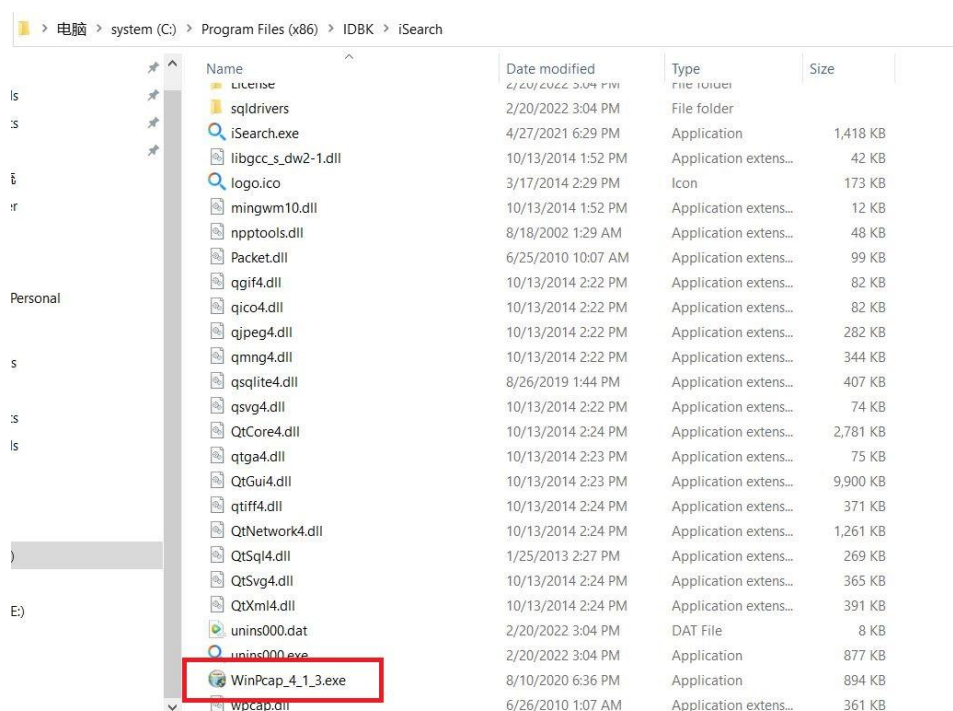


Figure 1.10 Manual driver installation

II. Use of iSearch

2.1 Required preparation before use(Important)

iSearch queries other valid IP device addresses in the same network segment, but if the computer has a firewall on (e.g. Symantec Endpoint

Protection, Windows Defender), these software will prevent iSearch from searching the LAN, resulting in iSearch not being able to find other IPs. If the computer has Symantec Endpoint Protection, Windows Defenders is replaced and only Symantec's firewall can be turned off.

2.1.1 Steps to turn off Windows Defender's firewall as follow:

In the status bar in the lower right corner, find the "Windows Security" icon and double-click it to enter the main page. On the main page, select "Firewall & network protection", then turn off the firewall for "Domain network", "Private network" and "Public network" in this sub-page in turn. If you need to restart all the firewalls, please click "Restore firewalls to default" at the bottom of the sub-page.

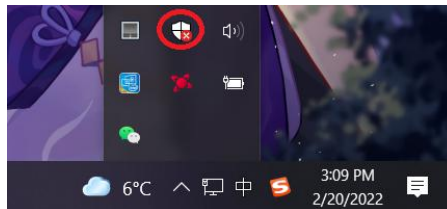


Figure 2.1 Windows Security

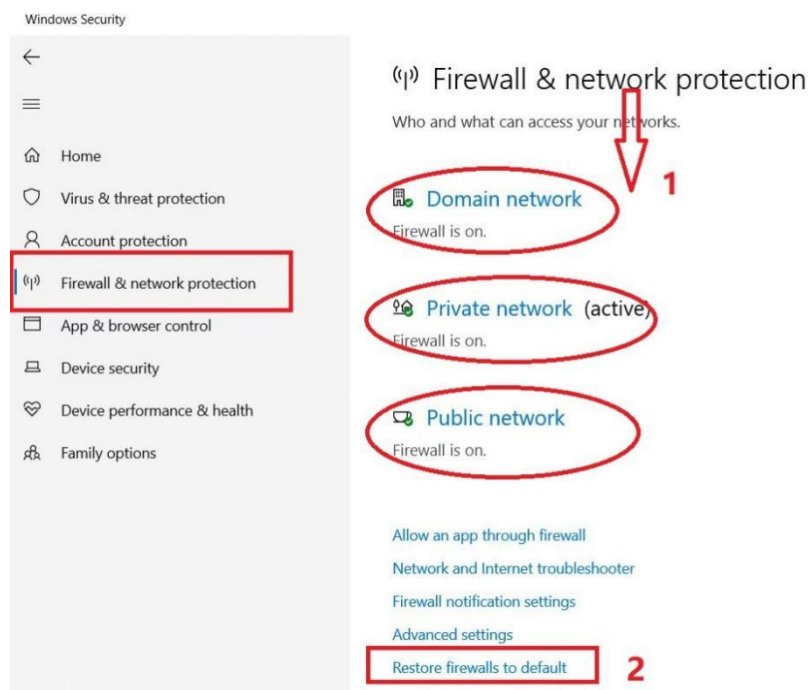


Figure 2.2 Firewall & network protection

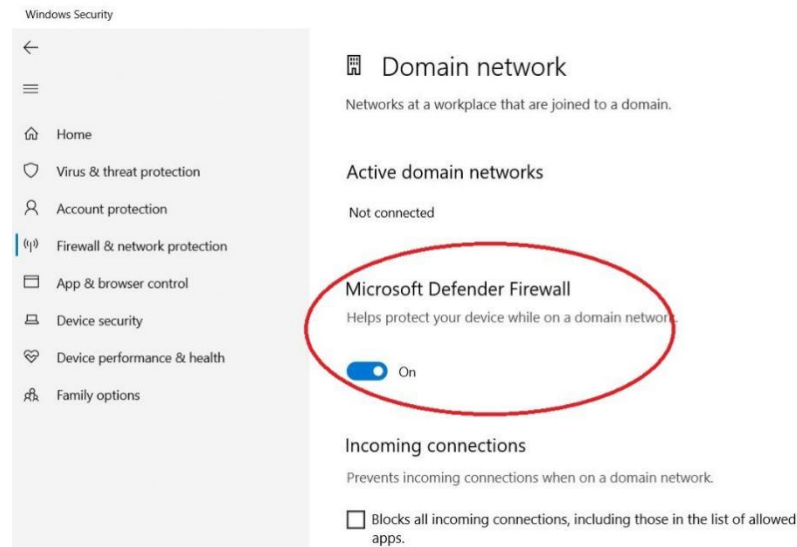


Figure 2.3 Turn off a firewall

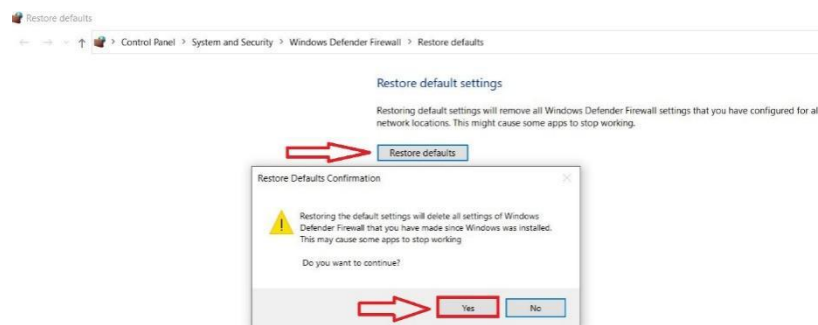


Figure 2.4 Restart all the firewalls(enter as per step “2” marked of Figure 2.2)

2.2 Main interface

Start iSearch, you will enter the language select interface, as the following picture:

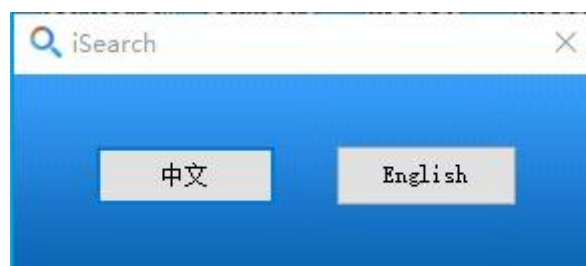
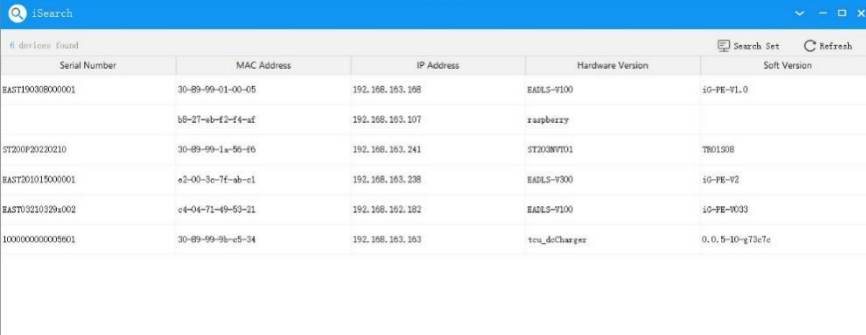


Figure 2.5 Language selection interface

Select a language, such as English, then enter the iSearch main interface after confirmation. The upper area shows the function options, and the middle of the interface shows the information that has been searched for. By clicking “Serial Number”, “MAC Address”, “IP Address”, “Hardware Version”, “Soft

Version”, it can sort all items.



The iSearch main interface displays a table with 6 columns: Serial Number, MAC Address, IP Address, Hardware Version, and Soft Version. The table lists 6 devices found.

Serial Number	MAC Address	IP Address	Hardware Version	Soft Version
EAST190308000001	30-89-99-01-00-05	192.168.163.168	EADLS-V100	iG-PE-V1.0
	b8-27-ab-f2-f4-af	192.168.163.107	raspberrypi	
ST200P20230210	30-89-99-1a-56-46	192.168.163.241	ST200BY701	TR01S08
EAST201015000001	e2-00-3c-7f-ab-e1	192.168.163.238	EADLS-V100	iG-PE-V2
EAST03210329a002	c4-04-71-49-53-31	192.168.162.182	EADLS-V100	iG-PE-V033
1000000000000001	30-89-99-9b-c5-34	192.168.163.163	you_4 charger	0.0.5-10-g73c7c

Figure 2.6 iSearch main interface

2.3 Update to get information

Click the “Refresh” button to update the main interface with relevant information, such as serial number, MAC address, IP address and other information. If there is no result in the interface after refreshing, please check whether the firewall is automatically restarted if it was closed before. (The steps to close the firewall are described in detail in the 2.1 “Required preparation before use”)

“Search Set” is UDP search (default ARP search can already cope with most cases), you need to set the corresponding network segment, such as 192.168.1.1-192.168.1.254. And you can add some devices that are not found by ARP search.

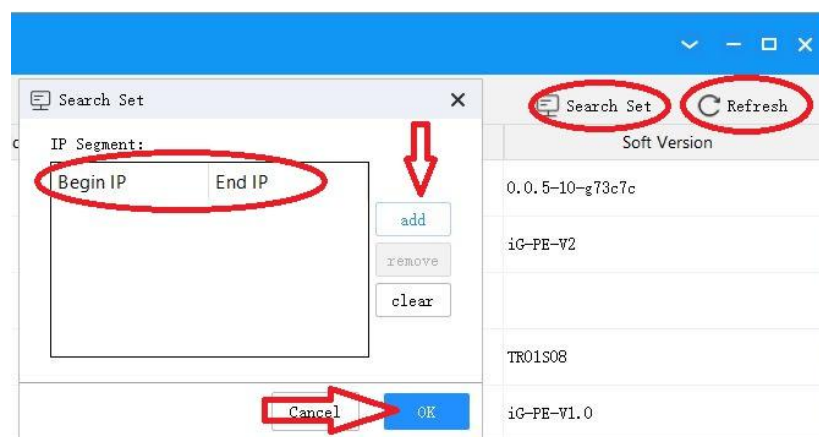


Figure 2.7 Search set and refresh

2.4 Network configuration

Right-click on an IP device in the interface, select “Configure Network”

from the secondary menu.

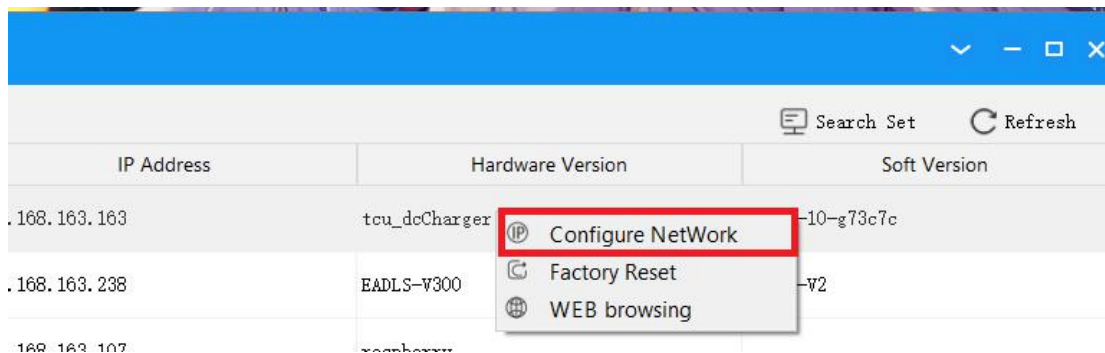


Figure 2.8 Right-click IP address in SNMP to enter configuration interface

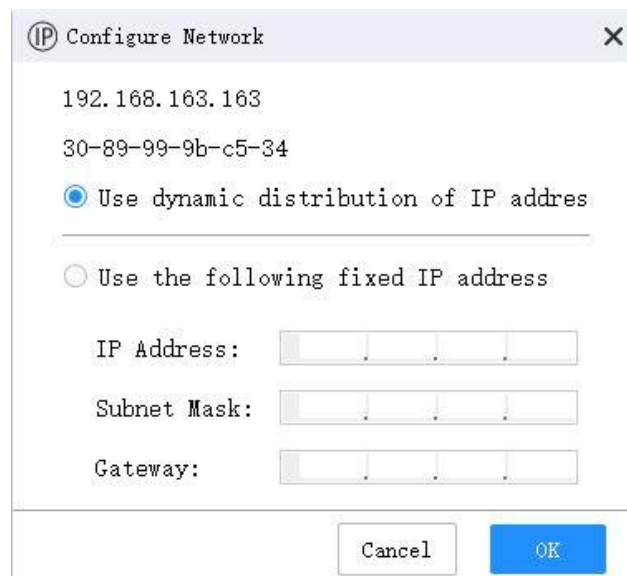


Figure 2.9 Configure network interface

Address related setting: set parameters such as IP address, subnet mask and gateway.

When you use it for the first time, please preset the values of IP address first, click “OK” button after setting, then you can finish the setting of each parameter.

When click “Use dynamic distribution of IP address”, all parameters of the IP address will be obtained directly by the system.

If you want to set your computer to a static IP address, please find “Network & Internet” icon in the status bar at the bottom right corner, right-click to enter “Status” interface. The content shown above is the network currently in use. Click “Change adaptor options”, double-click the network in use. Click

“Properties” then double-click “Internet protocol version 4 (TCP/IPv4)” item. If you need to change to IPv6, double-click “Internet protocol version 6 (TCP/IPv6)”. Select “Use the following IP address” and enter the corresponding content to set the static IP address, confirm after fill in the information, so the setting is complete.

If you want to set your computer to a dynamic IP address, operate same as aforementioned and select “Obtain IP address automatically” in the same place to achieve a dynamic IP address.



Figure 2.10 Network & Internet

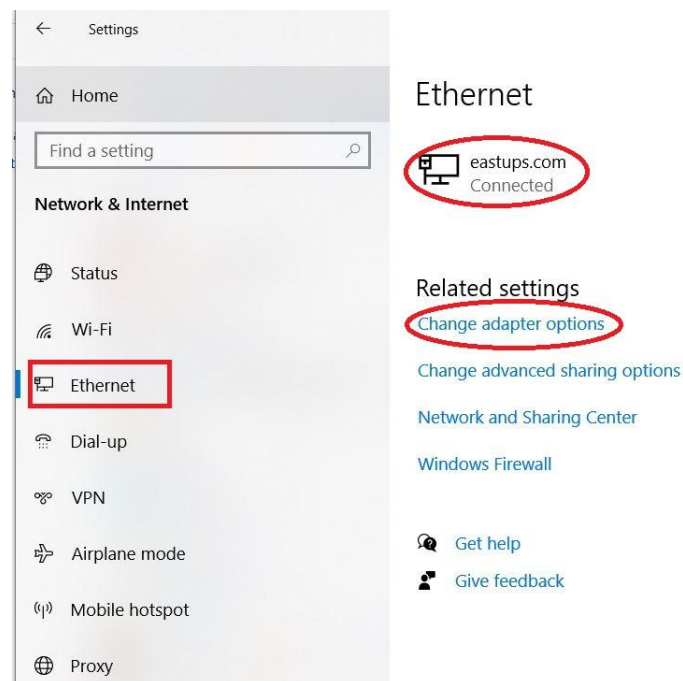


Figure 2.11 Network status

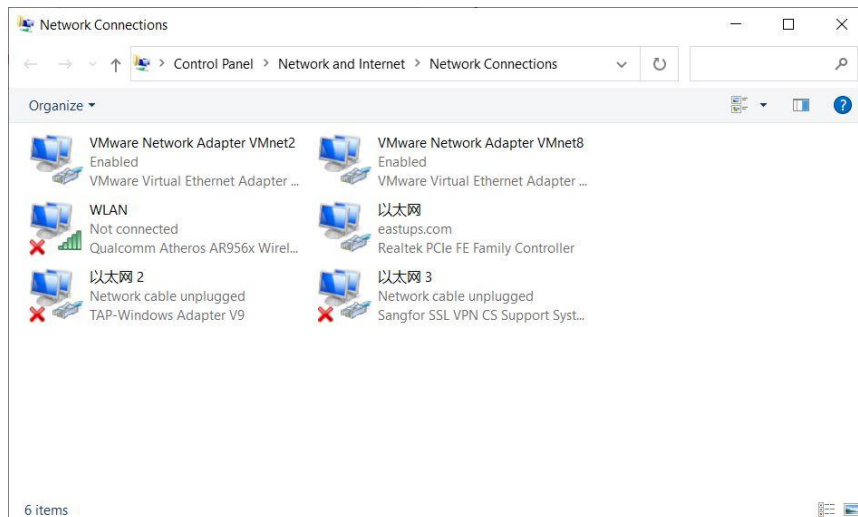


Figure 2.12 Change adaptor options page

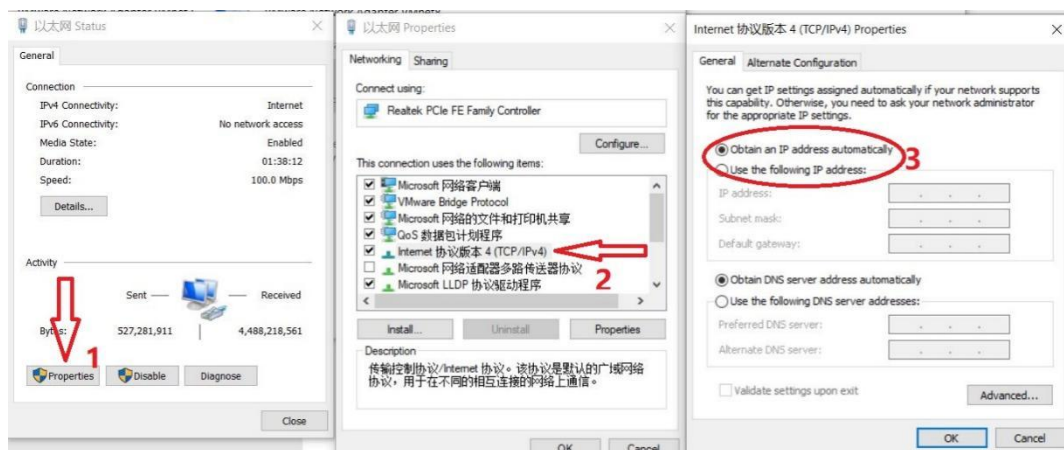


Figure 2.13 Dynamic IP and static IP setting

2.5 Factory parameter setting

Right-click on an IP device in the screen and select “Restore Factory Settings” from the secondary menu. Enter the login interface.

Account: admin

Password: idbksoft



Figure 2.14 Log in interface

Here you can restore the device to its factory settings and also change the password (the initial password is idbksoft)

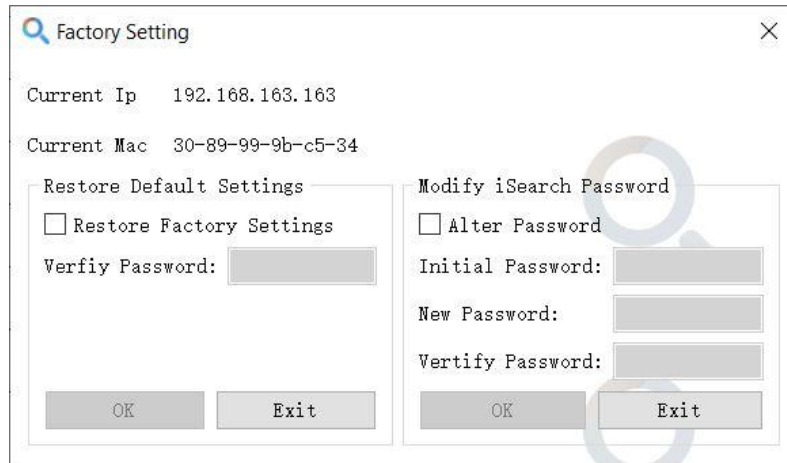


Figure 2.15 Restore factory settings

2.6 Web browsing

Double left-click on a searched item to go to the corresponding SNMP card monitoring web page, or right-click on an item and select “WEB browsing”.

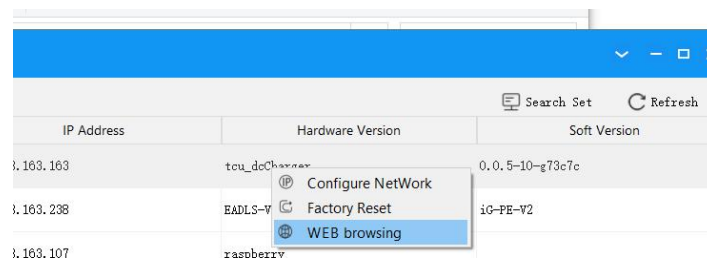
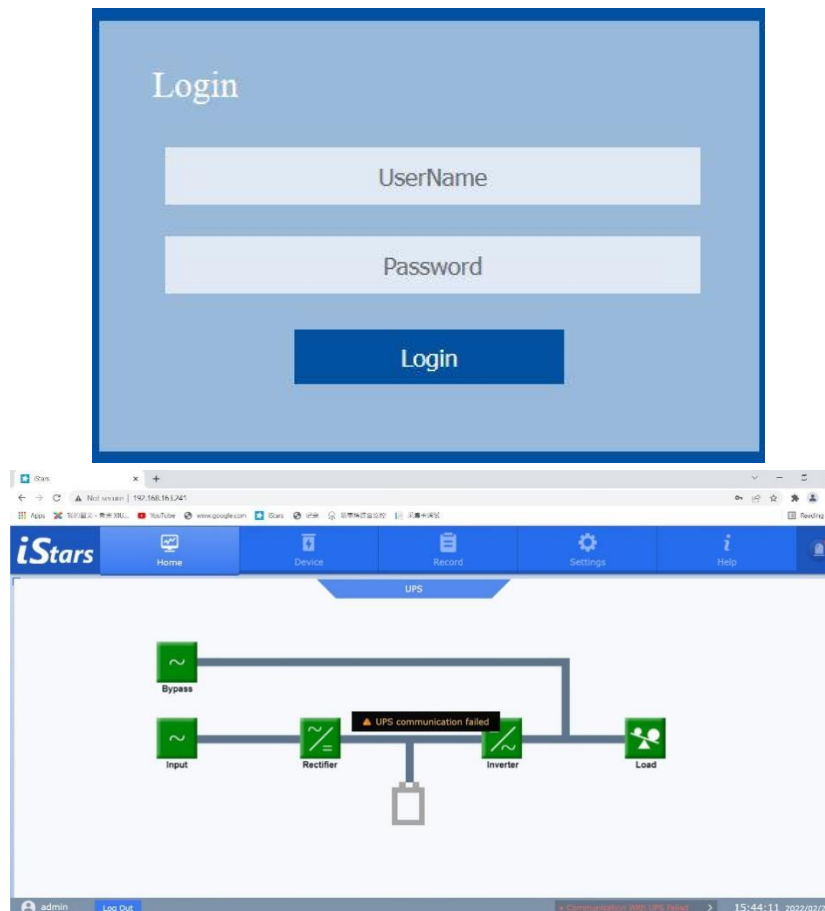


Figure 2.16 WEB browsing

As shown in the figure below, the corresponding web login interface will pop up, enter the correct user name and password to enter the corresponding monitoring web interface.



2.7 About

Click on the down arrow symbol in the upper right corner of the title bar and select “About” to view software information.

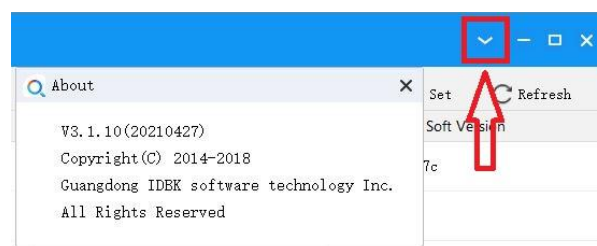


Figure 2.17 About

III. iSearch FAQs

3.1 Search no result

- a) Check whether the firewall is turned off (refer to page 5 for details:
2.1 “Required preparation before use”)

- b) Check whether the Winpcap driver is successfully installed and consider reinstalling it (refer to page 4 for details: 1.5 “Installation completed”)
- c) Use the command line for packet capture.
 - i. Run CMD (Command Prompt) as administrator
 - ii. Type and enter: `sc config npf start=auto`
 - iii. Type and enter: `net start npf`
 - iv. Restart iSearch

If there is a search bar as shown in the figure, then type CMD as shown, run as administrator. If not, you can right-click the status bar at the bottom of the desktop and select “Search (H)” to add the search bar inside.

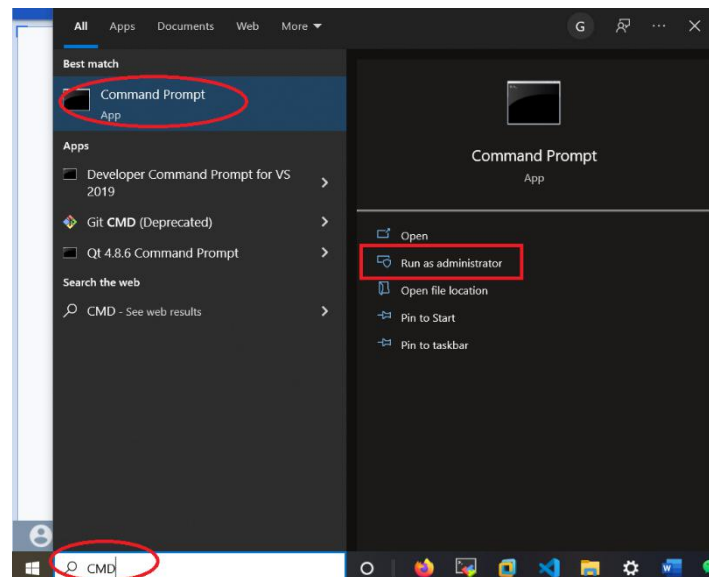
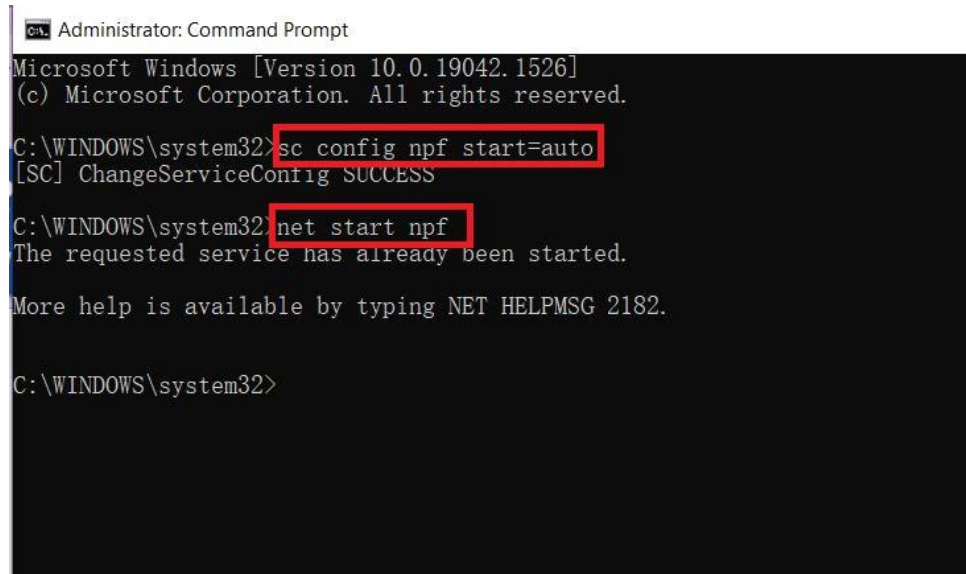


Figure 3.1 Search CMD, run as administrator

You can also find the “Command Prompt” under “Windows System” by selecting the letter index “W” in the Start menu, right-click “More” and select “Run as administrator”.



```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.19042.1526]
(c) Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>sc config npf start=auto
[SC] ChangeServiceConfig SUCCESS

C:\WINDOWS\system32>net start npf
The requested service has already been started.

More help is available by typing NET HELPMSG 2182.

C:\WINDOWS\system32>
```

Figure 3.2 Execution effect picture

3.2 Set your computer network to static or dynamic IP address

Refer to page 9 for details: 2.4 “Network configuration”