Quick Start

If you have just received our product, please install our matching SD card first, and then follow this tutorial!

```
This tutorial is to prompt users how to remotely control the Raspberry Pi system
without a monitor!
```

Check system

Our Raspberry Pi factory system turns on hotspots by default. You can use your mobile phone or computer to check whether there are hotspots named Pi_Hot around you;

If the Pi_Hot hotspot can be detected, the system starts normally.

If no hotspot is detected, you can judge by observing the indicator light status on the Raspberry Pi motherboard.

- **LED indicator**

When the Raspberry Pi 5 starts up normally, the LED indicator light will turn from red to green, and then the green light will flash irregularly!

```
If the Raspberry Pi fails to boot or must be shut down for some reason, the LED
indicator will generally flash a specific number of times to alert the user!
```

Remote access system

The Raspberry Pi factory system has SSH, VNC and hotspot enabled by default. We can use a computer to connect to the Raspberry Pi hotspot, and then connect to the Raspberry Pi system through SSH or Real_VNC Viewer.

- system message

Username: pi

User password: yahboom

Hotspot name: Pi_Hot

Hotspot password: 12345678

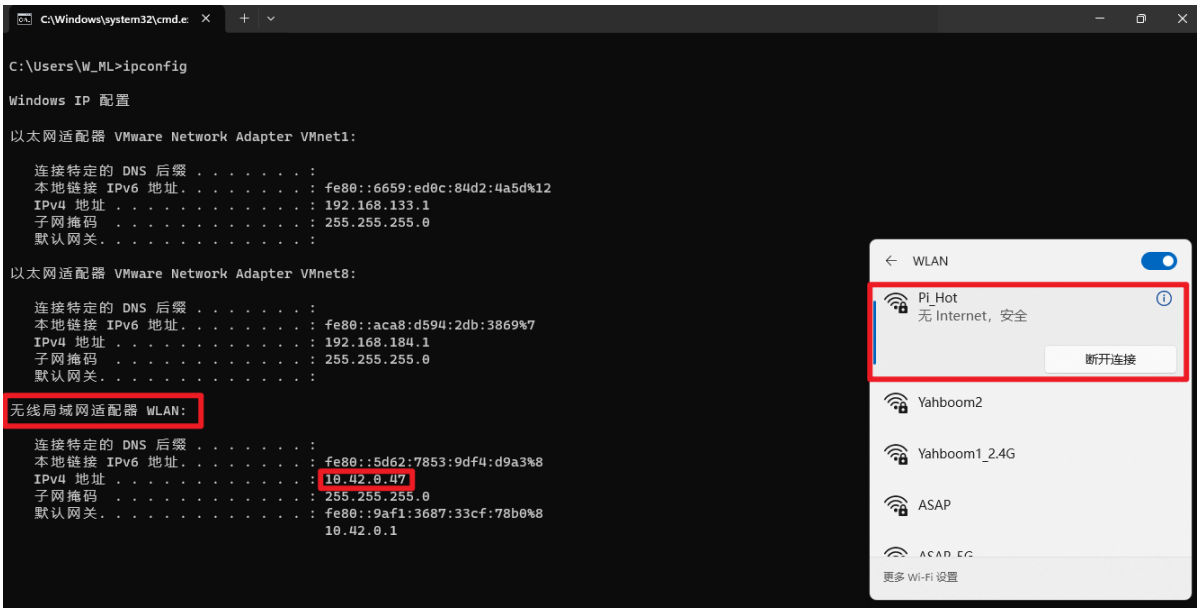
```
Jupyter lab password: yahboom
```

- Get IP

Using Windows system, you can locate the Raspberry Pi hotspot IP network segment based on the WiFi IP address.

Open the terminal: Win+R, enter cmd and press Enter

View IP: Enter ipconfig in terminal



According to the above information, the network segment of the current hotspot of Raspberry Pi can be located at 10.42.0.xx.

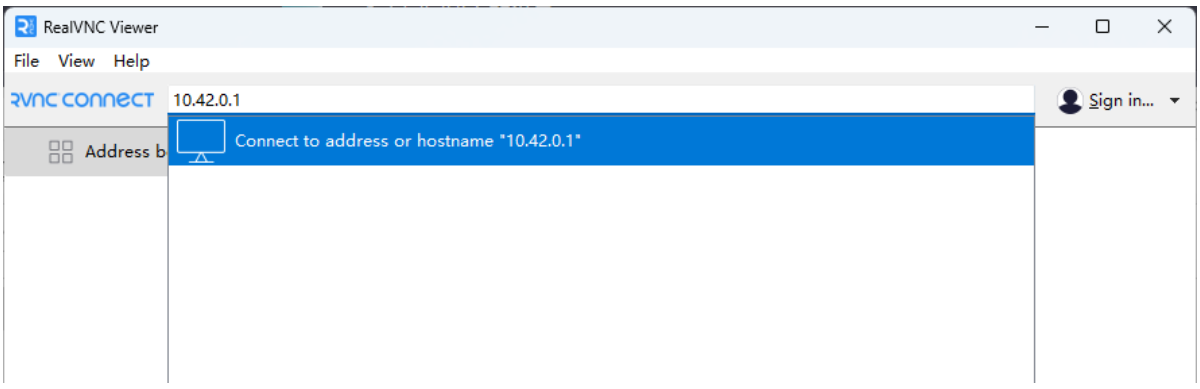
View resolved IP devices: arp -a

Among them, 10.42.0.1 is the Raspberry Pi IP. If there are multiple devices, you can connect different IP devices through VNC for testing!

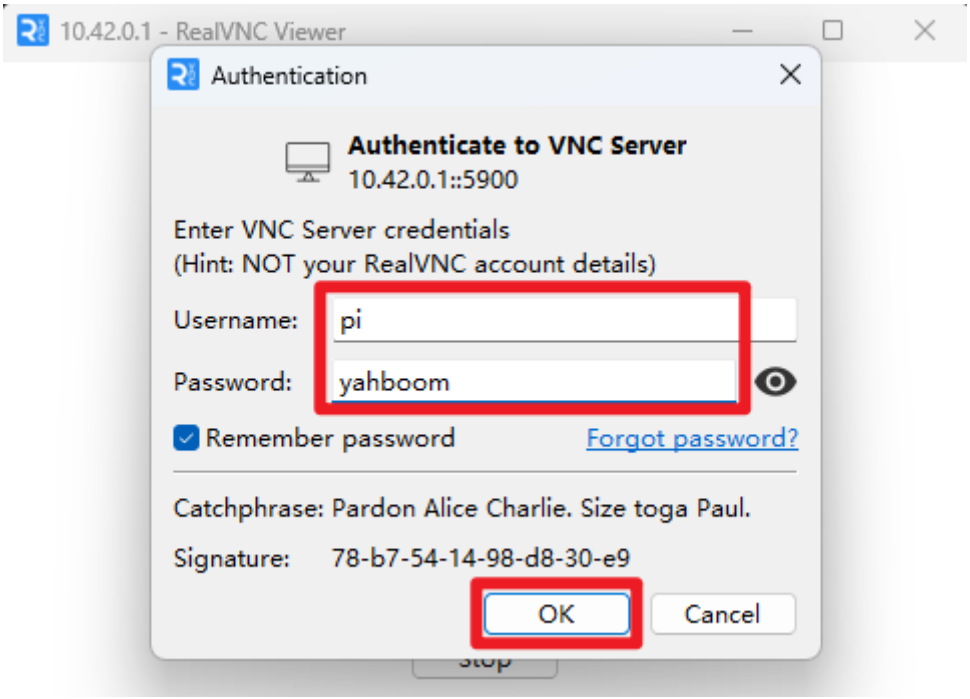
> The arp -a command will list the resolved IP addresses and corresponding MAC addresses of the local computer; if you cannot find the Raspberry Pi IP using this command, you can use Advanced IP Scanner to scan the device IP addresses in the same network segment!

- VNC connection

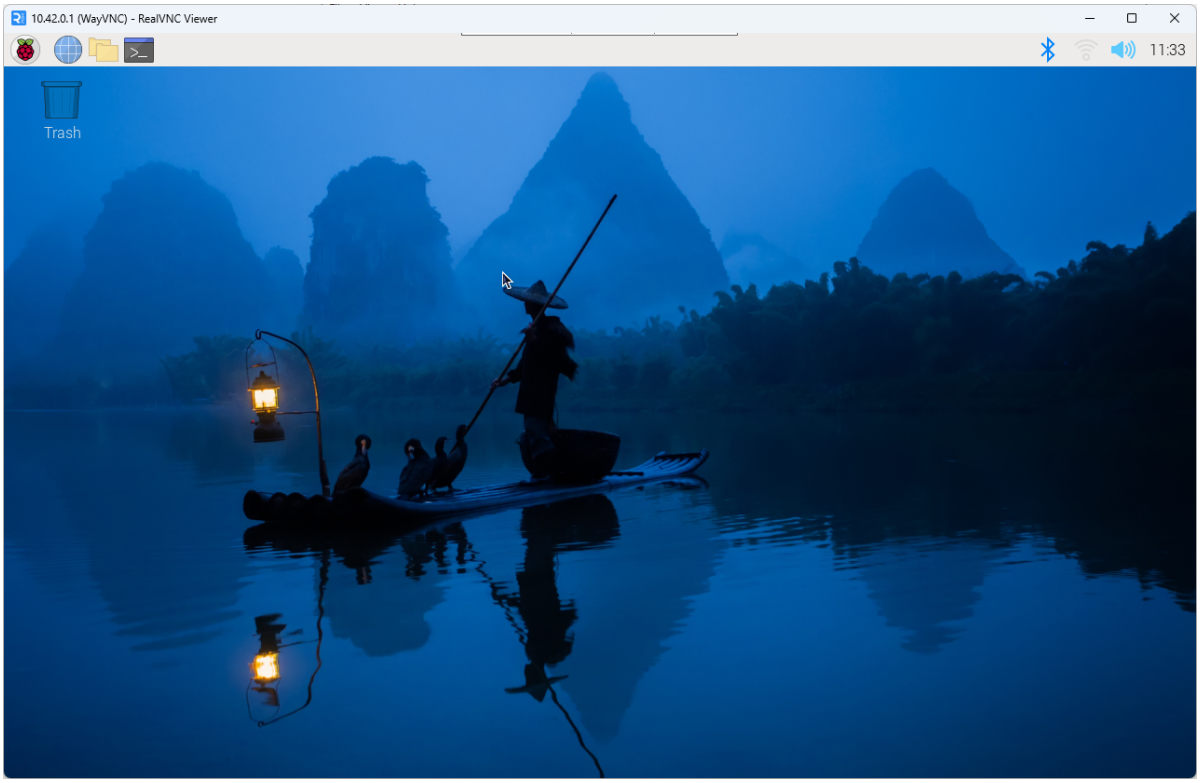
Connect VNC based on IP:



Enter username and password:



Connection success interface:



Precautions

If you fail to connect to VNC based on IP multiple times, you can enter raspi-config through SSH to check the VNC configuration;

Steps to open VNC via SSH: You can refer to [Remote Access Tutorial]

- Enable VNC error reporting

Update the system and software before opening VNC:

```
sudo apt update
sudo apt full-upgrade
```