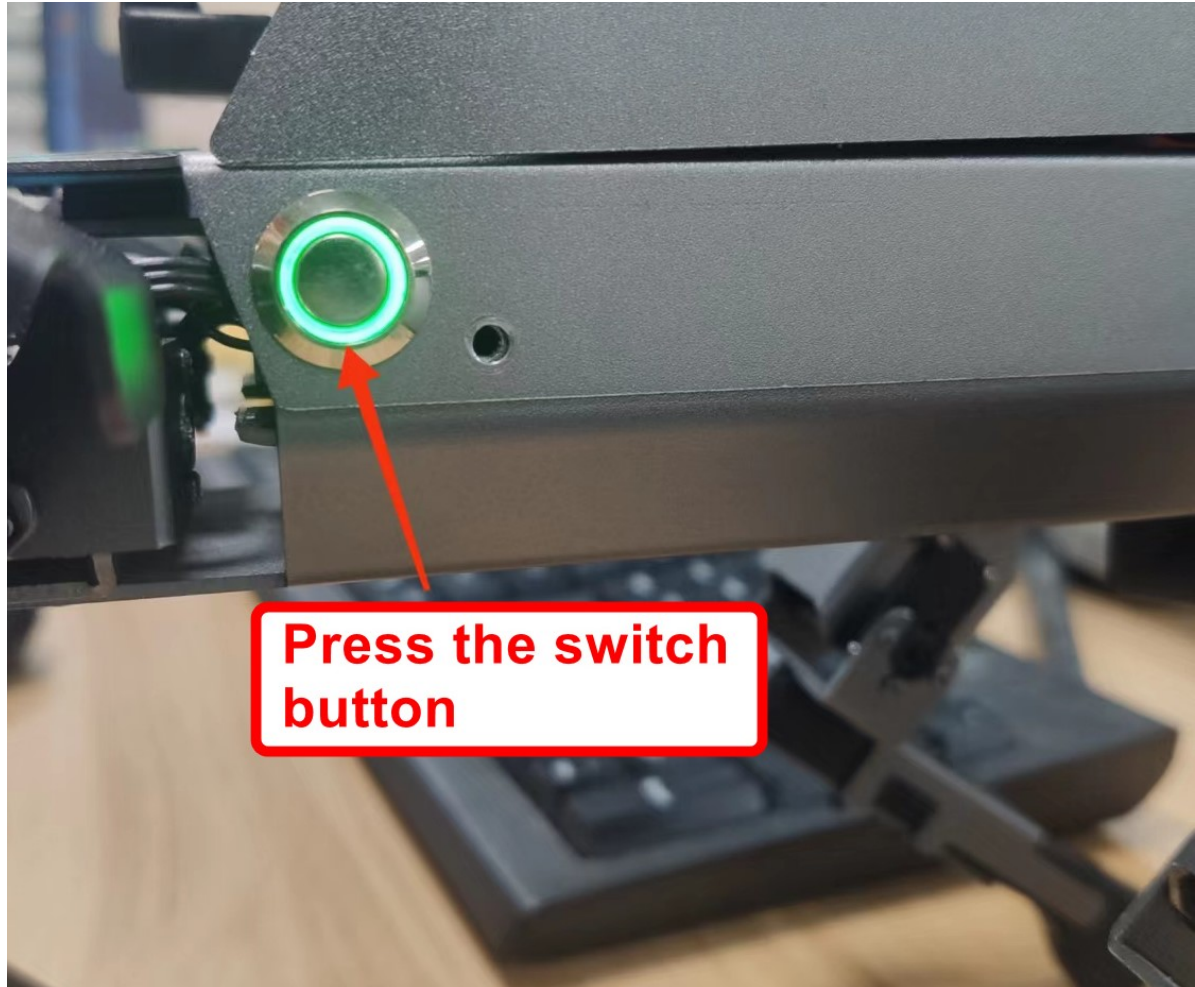


Voice control mechanical dog action group

Quick use

1. Power on DOGZILLA

First, we turn on the switching power supply of the mechanical dog and start the mechanical dog



After starting, we can view the IP address on the small screen of the robot dog.

2. Start DOGZILLA chassis

PI4 version steps:

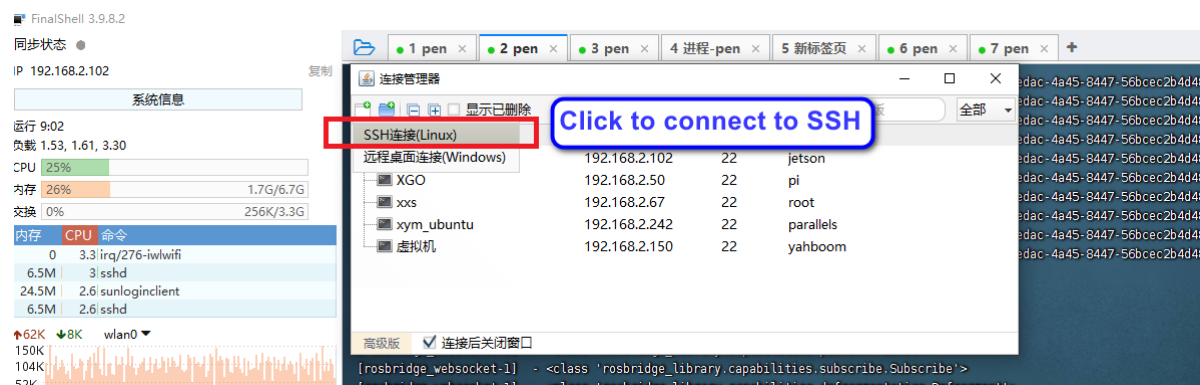
Then use the ssh terminal to connect to the robot dog.

Note: The IP address used when writing this tutorial: 192.168.2.102 User name: pi Password: yahboom The actual IP address shall prevail when used.

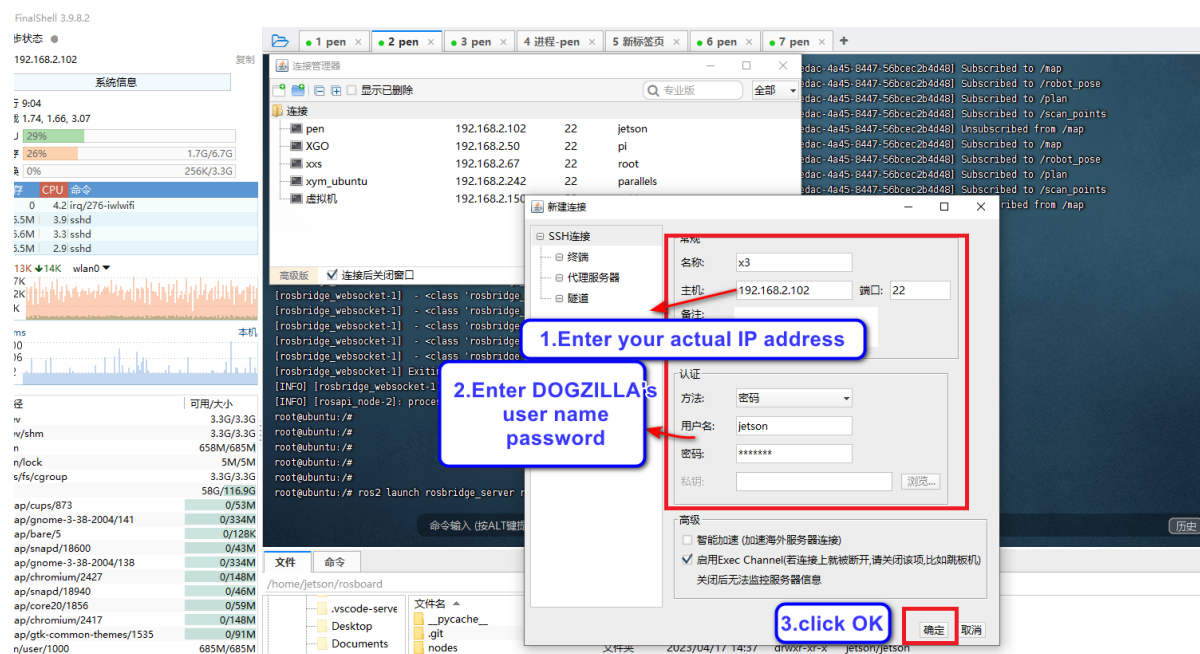
Open the shell tool. The shell tool I use here is FinalShell. Enter username, password, port, connection name and other information.



Select ssh connection to create a new ssh connection



Here the username is pi, the password is yahboom, and the ip address is the IP address of the real robot dog.



Select the ssh connection you just created here.



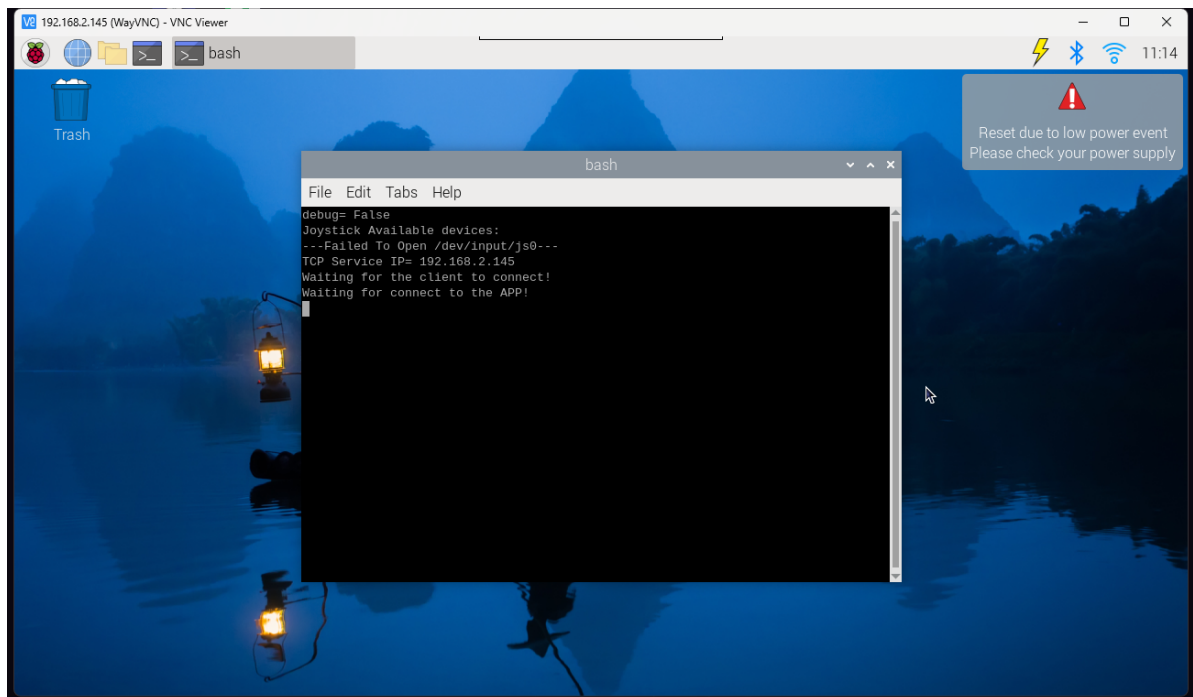
Enter the command in the terminal to start the chassis task.

```
sudo systemctl restart YahboomStart.service
```

```
pi@yahboom:~$
pi@yahboom:~$
pi@yahboom:~$
pi@yahboom:~$
pi@yahboom:~$ sudo systemctl restart YahboomStart.service
```

PI5 version steps:

After the mechanical dog is started, use the vnc software to remotely connect to the mechanical dog through the IP address on the OLED (**For specific steps, please see "Remote Login Operation"**).



Then ctrl+c closes the large program and enter the following command to enter docker:

```
./run_humble.sh
```



```
pi@yahboom:~$  
pi@yahboom:~$ cd cartographer_ws2/  
pi@yahboom:~/cartographer_ws2$ source install/setup.bash  
pi@yahboom:~/cartographer_ws2$  
pi@yahboom:~/cartographer_ws2$ ros2 run voice_xgo_ctrl_run voice_xgo_ctrl_action  
Speech Serial Opened! Baudrate=115200
```

Then he said to the mechanical dog: "Hello, Yahboom".

The robot dog will respond: "Yes."

Then say to the mechanical dog: "Command 1" or "Command 2" etc.

Voice commands include: Command 1 to Command 10. The mechanical dog recognizes the voice command and will perform corresponding actions.

Note: After the mechanical dog is awakened by voice, it does not need to be awakened again within 20 seconds.