Set up the network

Note: Since the Navrob series robots are divided into indoor and outdoor versions, the network configuration methods are different due to the configuration differences between the two. The outdoor version has a built-in 4G router, so Wi-Fi does not need to be set up, but the indoor version does not have a router, and the host is configured in AP mode when it leaves the factory.

This is to facilitate operation through the mobile app.

For the indoor version, the default AP name is navrobo-ap and the password is yahboom890729.

In AP mode, the vehicle IP is: 10.42.0.1

Enter the vehicle's IP address in the IP address bar when connecting to the vehicle.

If you want to turn off AP mode and connect to your own LAN, please enter the command in the terminal:

```
sudo systemctl start wifi-hotspot-stop.service
```

If you want to turn on AP, enter the command in the terminal:

```
sudo systemctl start wifi-hotspot.service
```

The user name of the vehicle master is: yahboom Password: yahboom

For the outdoor version

The name of the built-in router is: yahboom_navrobo The router password is: yahboom890729

The router management password is: yahboom890729

If you connect to the built-in router, the IP of the vehicle master is: 10.168.1.100

The IP of the radar is: 10.168.1.86

```
Enter the command in the terminal:
sudo supervisorctl status

CanOServer                       FATAL     Exited too quickly (process log may
have details)   （Enable chassis CAN communication）
CeleryServer                     RUNNING   pid 1963, uptime 0:10:31
（Asynchronous Task Service）
ChassisServer                    RUNNING   pid 2684, uptime 0:10:28    （Chassis
node service）
LaserServer                      RUNNING   pid 1970, uptime 0:10:31    （Radar
Node Service）
RosboardServer                   RUNNING   pid 1973, uptime 0:10:31    （Robotic
Task Service）
VHF                              RUNNING   pid 2707, uptime 0:10:28    （Radar VHF
service, when encountering obstacles, it will return the rotation angle value）
VitsServer                       RUNNING   pid 1984, uptime 0:10:31    （Voice to
TTS service）
WhisperServer                    RUNNING   pid 1987, uptime 0:10:31    （openai
voice asr service）
```

The above service is the service that is automatically started when the vehicle leaves the factory. When running a single routine, the above service can be turned off. The shutdown command is:

```
sudo supervisorctl stop all
```

You can also turn off a service separately, such as turning off the radar service:

```
sudo supervisorctl stop LaserServer
```

You can also start a service separately, such as starting the radar service:

```
sudo supervisorctl start LaserServer
```