

Close APP and handle control process

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1、 About APP and handle control process

In order to facilitate the user to use the Transbot robot for the first time, in the mirroring system we provide, the APP/handle remote control process is automatically started by default when it is turned on. Users can directly use the APP and handle to remotely control Transbot.

In actual development, we need to close APP/handle remote control process, otherwise errors will occur due to system resource usage.

Yahboom Transbot system.

username: jetson password: yahboom

2、 Close process temporarily

If you have display screen, you can connect display screen to Raspberry Pi board, and log into system.

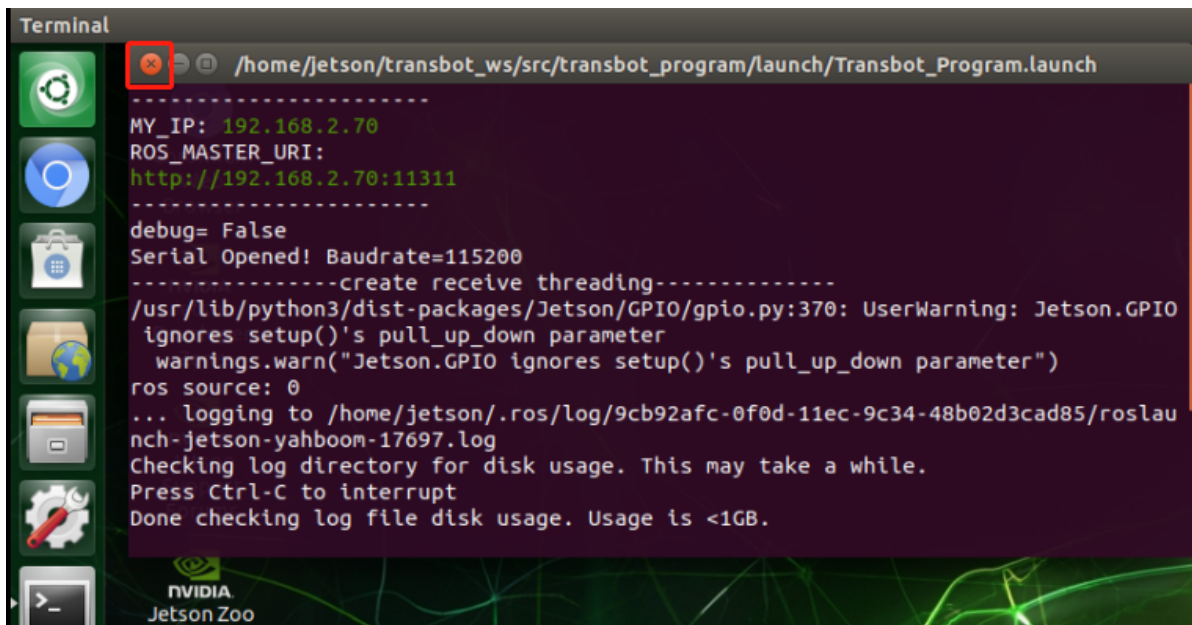
If you didn't have display screen, you can log into system by VNC.

Username: jetson

Password: yahboom

After entering the desktop, you see a terminal, click the "x" symbol in the upper left corner to close the terminal to close the APP/handle remote control process.

If the system prompts: closing the terminal will close the running program, select confirm to close.

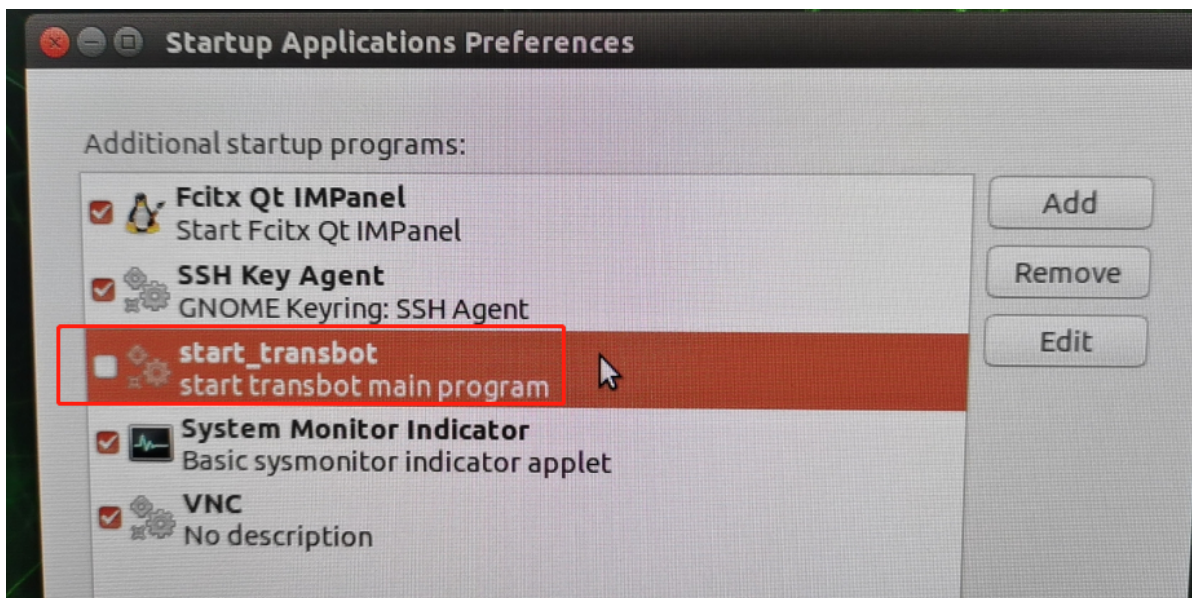
A terminal window titled 'Terminal' with a dark background. The window shows the output of a ROS launch command. The path is '/home/jetson/transbot_ws/src/transbot_program/launch/Transbot_Program.launch'. The output includes environment variables MY_IP: 192.168.2.70 and ROS_MASTER_URI: http://192.168.2.70:11311. It also shows a warning from Jetson.GPIO about the pull_up_down parameter. The terminal output is as follows:

```
-----  
MY_IP: 192.168.2.70  
ROS_MASTER_URI:  
http://192.168.2.70:11311  
-----  
debug= False  
Serial Opened! Baudrate=115200  
-----create receive threading-----  
/usr/lib/python3/dist-packages/Jetson/GPIO/gpio.py:370: UserWarning: Jetson.GPIO  
ignores setup()'s pull_up_down parameter  
  warnings.warn("Jetson.GPIO ignores setup()'s pull_up_down parameter")  
ros source: 0  
... logging to /home/jetson/.ros/log/9cb92afc-0f0d-11ec-9c34-48b02d3cad85/roslau  
nch-jetson-yahboom-17697.log  
Checking log directory for disk usage. This may take a while.  
Press Ctrl-C to interrupt  
Done checking log file disk usage. Usage is <1GB.
```

3、 Close process permanently

First, shut down the APP/handle remote control process temporarily.

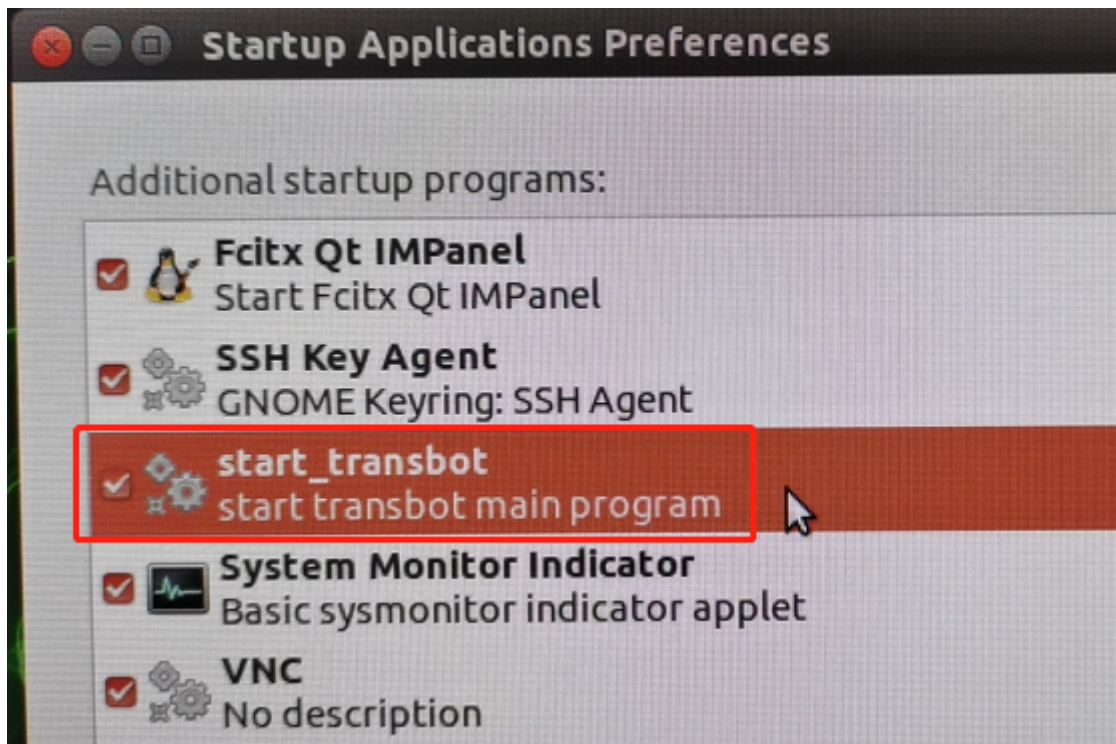
Then, open the application of the Ubuntu system, search for "Startup Applications", remove the check mark in front of start_transbot, as shown below, you can permanently close APP/handle remote control process.



4、 Set the process to start automatically after booting

Open the application of the Ubuntu system, search for "Startup Applications", remove the check mark in front of start_transbot, as shown below.

When Transbot is turned on next time, the system will automatically start the process.



5、Start up the process temporarily

Input following command in terminal.

```
bash /home/jetson/Transbot/transbot/start_transbot.sh
```