

piRover Builds with K2

Disabling Yahboom Bluetooth

Rev 2.0

Overview:

This document provides the configuration changes required to disable the Yahboom Bluetooth service that typically runs in the background enabling the Smart Phone application. The service must be disabled prior to executing your Python control code. If you do not disable the service, then it will constantly work against any changes you try to make to the state of your piRover. If you turn the Red LED on, it will immediately turn it off.

Prerequisites:

Prior to beginning the instruction provided in this lesson you must have completed the following:

1. piRover: Creating a Remote Connection

Performance Outcomes:

1. Modify Raspberry Pi start up configuration

Resources:

1. None

Materials:

1. piRover

Directions

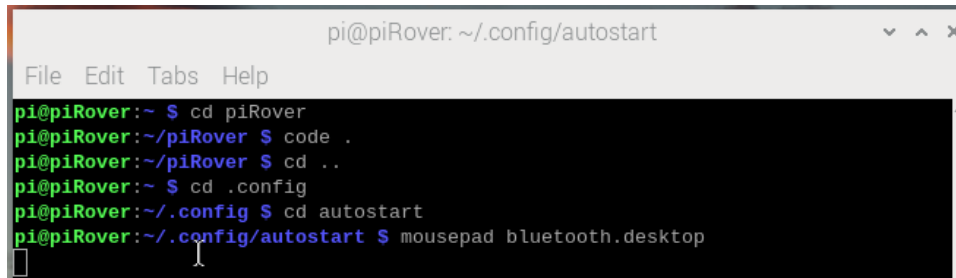
1. With your system connected via the VNC Viewer, open a terminal window.
2. Enter the following commands to edit the **bluetooth.desktop** configuration file.

```
cd .config/autostart
```

```
ls
```

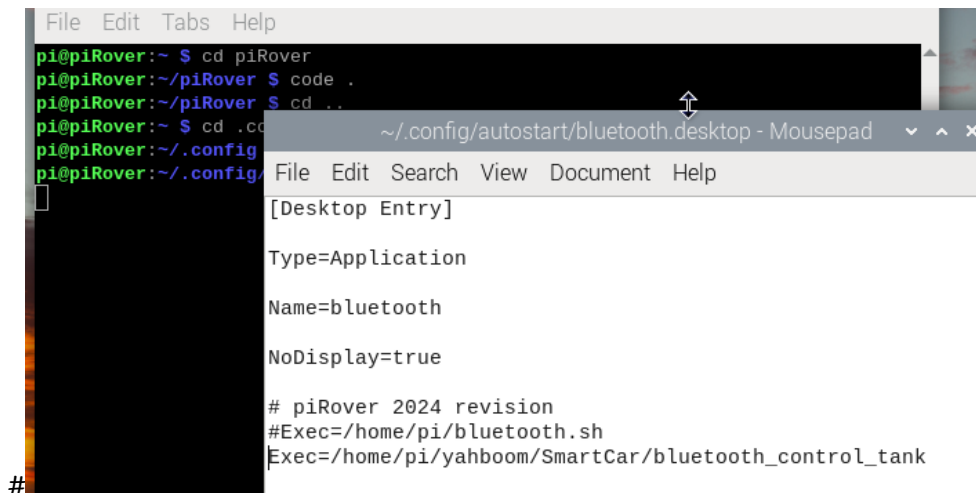
```
mousepad bluetooth.desktop
```

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```
pi@piRover: ~/.config/autostart
File Edit Tabs Help
pi@piRover:~ $ cd piRover
pi@piRover:~/piRover $ code .
pi@piRover:~/piRover $ cd ..
pi@piRover:~ $ cd .config
pi@piRover:~/.config $ cd autostart
pi@piRover:~/.config/autostart $ mousepad bluetooth.desktop
```

3. The mousepad editor will display showing the contents of the **bluetooth.desktop** configuration file.



```
File Edit Tabs Help
pi@piRover:~ $ cd piRover
pi@piRover:~/piRover $ code .
pi@piRover:~/piRover $ cd ..
pi@piRover:~ $ cd .config
pi@piRover:~/.config $ cd autostart
pi@piRover:~/.config/autostart $ mousepad bluetooth.desktop

[Desktop Entry]

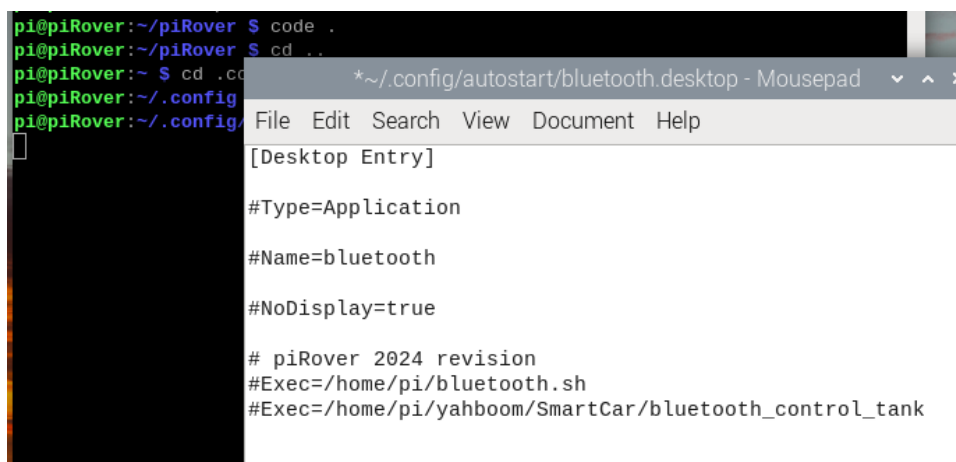
Type=Application

Name=bluetooth

NoDisplay=true

# piRover 2024 revision
#Exec=/home/pi/bluetooth.sh
#Exec=/home/pi/yahboom/SmartCar/bluetooth_control_tank
```

4. Add the hash # symbol to the start of each line. This “comments out” the line so that it will not be read as a command.



```
*~/.config/autostart/bluetooth.desktop - Mousepad
File Edit Search View Document Help

[Desktop Entry]

#Type=Application

#Name=bluetooth

#NoDisplay=true

# piRover 2024 revision
#Exec=/home/pi/bluetooth.sh
#Exec=/home/pi/yahboom/SmartCar/bluetooth_control_tank
```

5. Save the file and reboot. The Smartphone functionality is disabled.
6. To use the Smartphone app again. Open the file, remove the # from each line, save, and reboot.