PlayStation 4 Controller Setup for Raspberry Pi

Contents
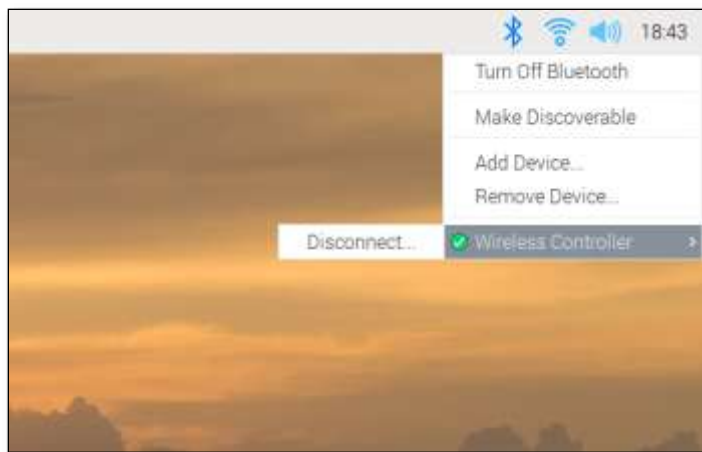
Using GUI to connect

1. On your Raspberry Pi desktop → Go to the top right corner of the screen → Click on the Bluetooth icon.

2. **Add Device**. A new popup should appear and start scanning nearby Bluetooth devices.

3. Click **Wireless Controller → Pair.**

Done! It should take a second then you should see the following screen with your controller connected.

The next time you will only need to connect the device.

Connect Bluetooth on Startup

crontab -e

```
@reboot sleep 5 && /bin/echo -e 'connect XX:XX:XX:XX:XX:XX \n' | bluetoothctl
```

bluetoothctl

bluetoothctl is a core Linux Bluetooth functionality.

```
# Open up your terminal and start up the tool by typing the command:
sudo bluetoothctl

# Scan for devices
scan on
```

This will start scanning for devices. The terminal should start listing scan results with all the bluetooth devices around you so pay some attention to the output because we need to find the controller.

While the command tool is scanning, press and hold both your **Share** and **PS** buttons on your controller. Keep holding the buttons at the same time until your controller starts flashing light.

Get the MAC address of the controller from the scan information.

```
connect CONTROLLER_MAC_ADDRESS
```

Done. If everything went well you should see a **connection successful** message appear on your terminal like this.

```
Attempting to connect to AC:FD:93:14:25:D3
[CHG] Device AC:FD:93:14:25:D3 Connected: yes
[CHG] Device AC:FD:93:14:25:D3 ServicesResolved: yes
[CHG] Device AC:FD:93:14:25:D3 Paired: yes
Connection successful
```

We need to add this newly paired bluetooth device to the trusted list so next time the PS4 controller can automatically connect the Raspberry Pi. Type in the command:

```
trust CONTROLLER_MAC_ADDRESS
```

DONE! Your controller should be connected, paired and trusted.

The next time you press a button on the controller to wake it up, the controller should automatically connect to the Pi.

Reboot the Pi.

```
# Exit bluetoothctl
Exit
```

The controller should automatically connect and work.