GoPiGo3 Robot — PS4 Controller Drive Documentation

# What You’ll Need

* Raspberry Pi (Pi 3 or newer recommended)
* Dexter GoPiGo3 robot base
* Fully charged battery pack
* PS4 DualShock controller
* MicroSD with Dexter OS
* Procedure to get Dexter OS: To ensure we are working with the same version of software, download Dexter OS: <https://www.dexterindustries.com/download/dexteros>
* Download Raspberry Pi Imager tool, that will be used to mount the Dexter OS software on an SD card. Link: <https://downloads.raspberrypi.org/imager/imager_latest.exe>
* Use the Raspberry Pi Imager tool to mount the Dexter OS on your SD card.

1. **Pair PS4/PS5 Controller**

* Ensure Bluetooth is enabled:  
   sudo apt update  
   sudo apt install pi-bluetooth pulseaudio-module-bluetooth
* Enter Bluetooth shell:  
   bluetoothctl
* Put PS4 controller in pairing mode (Share + PS button).  
  In bluetoothctl:  
   agent on  
   scan on
* While in bluetoothctl, and scan is on, search for PS4 Controller/ PS5 Controller/ Sony Controller. Then take note of the Controllers MAC\_ADDRESS.
* While in bluetoothctl:  
   pair <MAC\_ADDRESS>  
   trust <MAC\_ADDRESS>  
   connect <MAC\_ADDRESS>
* Once paired and trusted, the controller should be lit and auto-connect when powered on in the future.