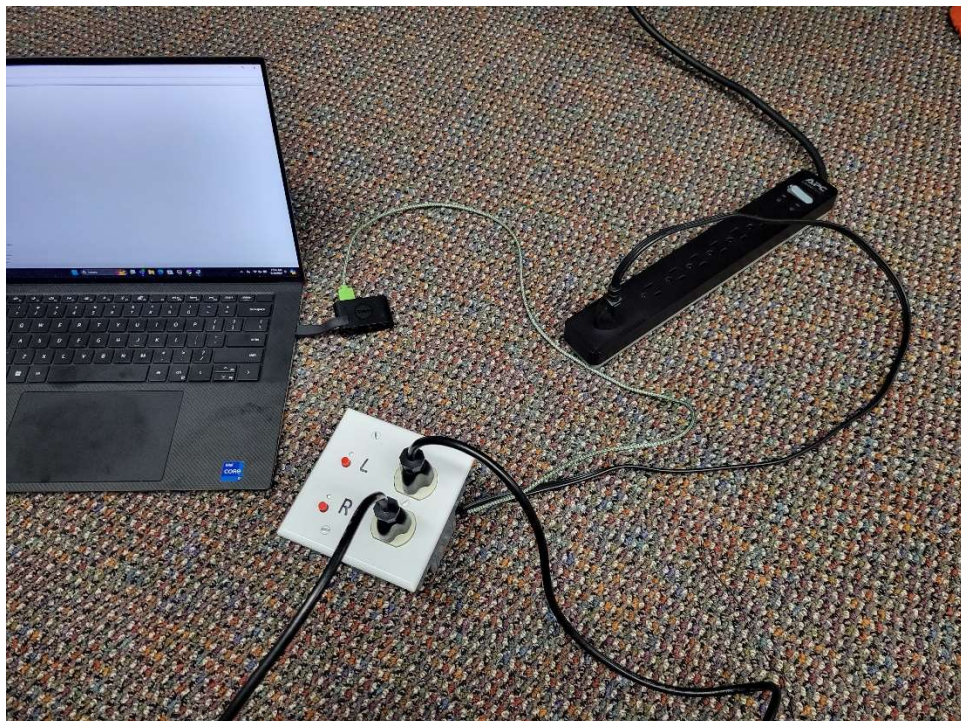


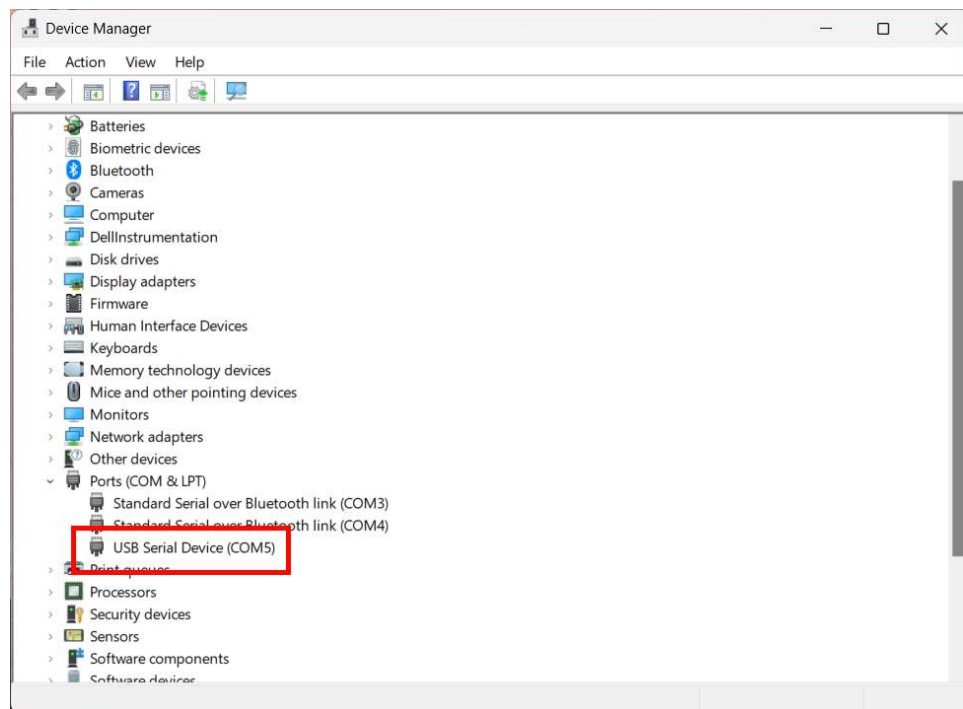
Plug both rumble devices into the top of the box. One will be for rumble strips on the left side of the car, and the other for the right.



Plug the USB cable from the box into a computer, and plug the power cable coming out of the box into a power source.



Open the device manager on the computer and expand the list of Ports. Listed there should be a new USB Serial Device.



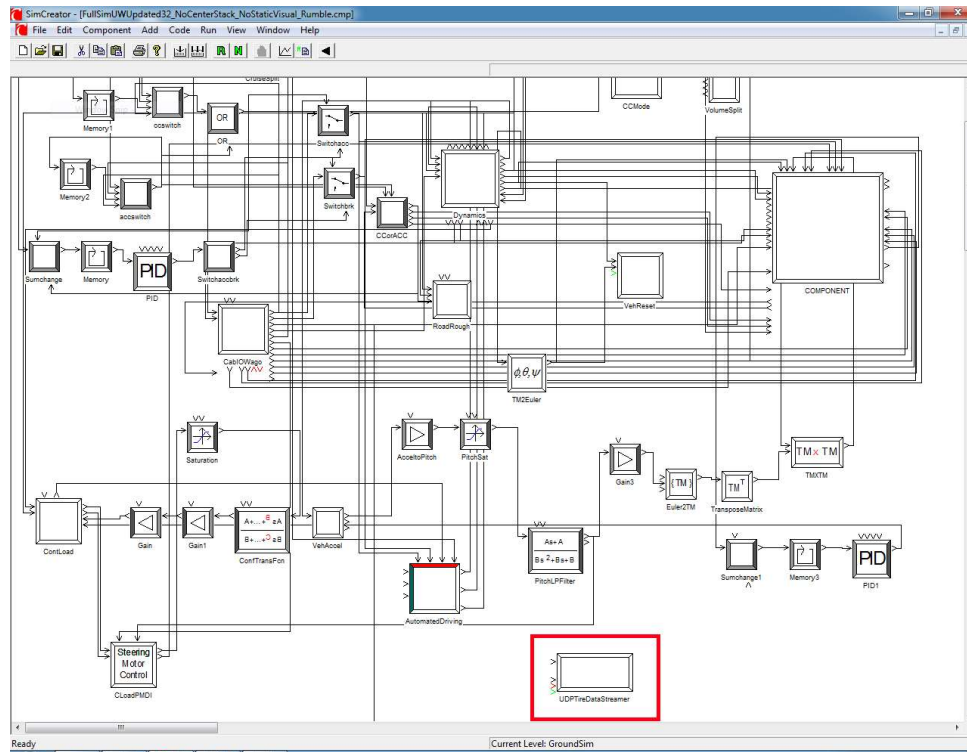
Edit line 27 of RumbleControl.py so that the port matches the name shown in the device manager.

A screenshot of a code editor window showing the RumbleControl.py file. The code is in Python and includes comments and function definitions. Line 27, which contains the assignment `port = "COM5"`, is highlighted with a red rectangular box. The status bar at the bottom indicates the cursor is at line 27, column 18.

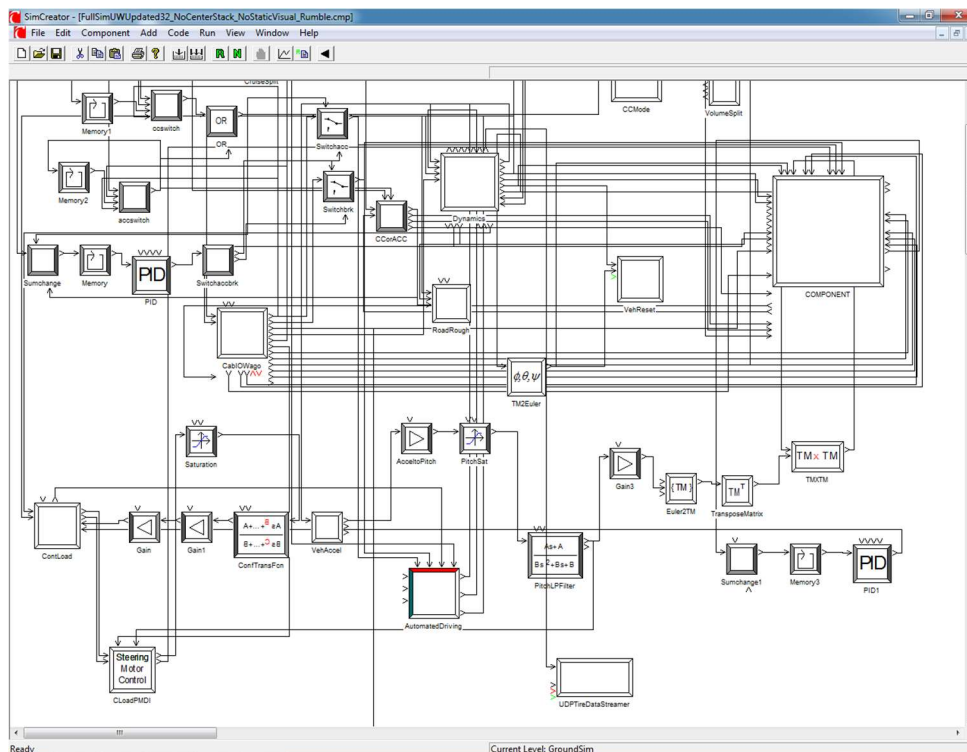


Run RumbleControl.py on the computer connected to the box.

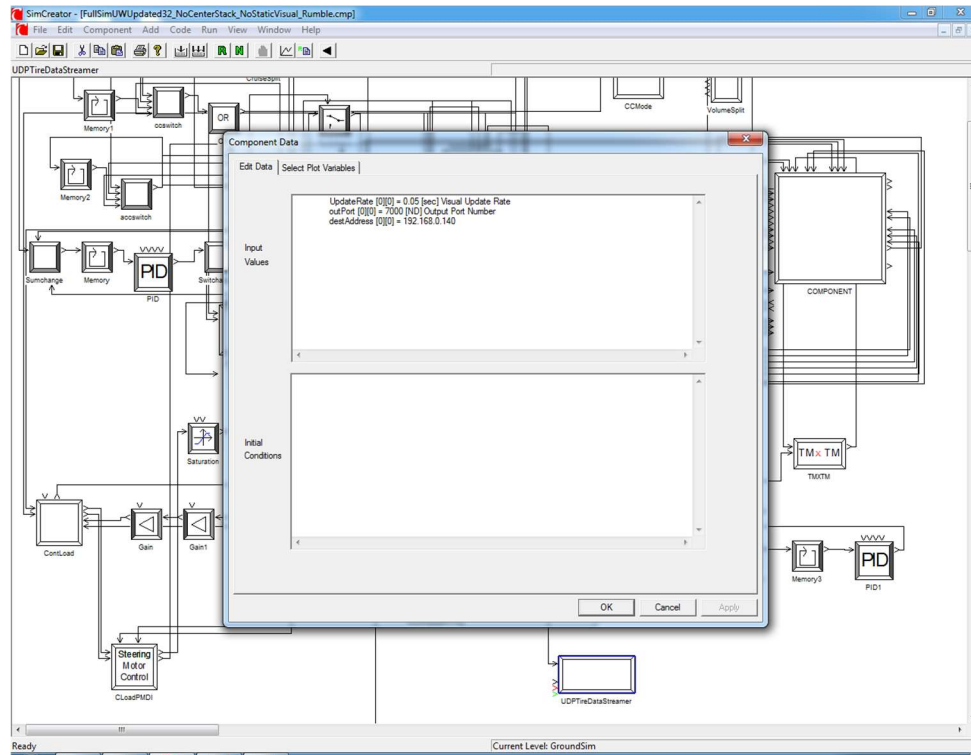
Now move to the computer that runs the sim. In SimCreator open the model that you will be using for this experiment. Go into the GroundSim group and add the UDPTireDataStream component.



Create a connection between the Dynamics' TirePosition output and the UDPTireDataStream's TirePosition input.



Open the Set Values window for the UDPTireDataStream. Set update rate to 0.05. Set outPort to 7000. Set destAddress to the IP address of the computer connected to the box.



Compile and run the SimCreator model.