# brandeismakerlab How to Donkey Car (Driving)

This guide will explore how to use the Donkey Car.

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# F TOOLS:

- Donkey Car (1)
- PC with Windows 10 (1)

#### Step 1 — Turn on the Raspberry Pi



- Click the button on the battery pack. There should be a green light should start shining
- Make sure that the button of the usb cable is pressed
- The lights on the pi should turn on (red and yellow)

#### Step 2 — Open up command prompt



 On your server computer, access your command prompt

### Step 3 — ssh into the Raspberry Pi

Command Prompt - ssh pi@129.64.181.162	>
rosoft Mindows [Version 10.0.17134.228] 2018 Microsoft Corporation. All rights reserved. Jers Vannus [sch pi0120 A.181.162] 129.64.181.102 - passworu.	
k	

- Type: ssh pi@[ip address]
- In the brakets, type in the ip address for YOUR raspberry pi.
  - For us: 129.64.181.162
  - Type: [password]
- When it prompts you for your password, type in the password you gave the pi.
  - For us: donkeycar
  - Stock password: raspberry
    - Nothing will show up when typing your password. This is a security feature.

### Step 4 — Access the VM

🖬 pi@donkeycar. ~	<u>-</u>		<
icrosoft Windows [Version 10.0.17134.228] c) 2018 Microsoft Corporation. All rights reserved.			^
:\Users\dannx>ssh pig129.64.181.162 iğl29.64.181.162's password: inux donkeycar 4.14.52-V1+ #1123 SMP Wed Jun 27 17:35:49 BST 2018 armv7l			
he programs included with the Debian GNU/Linux system are free software; he exact distribution terms for each program are described in the ndividual files in /usr/share/doc/Ycopyright.			
ebian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent ermitted by applicable law. aşt login: FIN Sep 6 14/17:42, 2018 from 129.64.155.131			
env) plêdonkeycar:			

- We are going into the virtual machine of the raspberry pi
- Type: source ~/env/bin/activate
  - You know you are in the correct environment if the cmd displays: (env) pi@donkeycar:

#### Step 5 — Access the car you want to use



## Step 6 — Set the car up for driving



Type: python manage.py drive

(i) There should be a lot of lines that come after that. This is a lot of information that the car is doing to prepare for driving

#### Step 7 — Access the website



- In a browser: (Phone or computer)
  - Type: [ip address]:8887/drive
  - (i) For us: 129.64.181.162:8887/drive

Mhenever you drive the car, you are adding data to the tub. So if you are planning to train the car, DO NOT drive the car away from the track.