

Step 0 - Buy the parts

Parts for basic car (C0; no lights):

- [Canakit](#) contains:
 - Raspberry Pi 2
 - USB Wifi
 - HDMI cable for setup
 - 8GB card (not to be used in C0)
 - Raspi case (not to be used in C0)
- [Camera](#) with wide-angle lens
- [Adafruit](#) DC & Stepper Motor HAT for Raspberry Pi - Mini Kit (adafru.it/2348)
- [Adafruit](#) 16-Channel PWM / Servo HAT for Raspberry Pi - Mini Kit (adafru.it/2327)
- 2x [GPIO Stacking Header](#) for A+/B+/Pi 2 (adafru.it/2223)
- 32 GB [SD Card](#)
- 32 GB [USB disk](#) (Sandisk)
- 1x USB to barrel cable
- [Battery kit](#):
 - One battery
 - 2 USB A to micro USB adapters
- 1 [Chassis](#)
- 12x Plastic Standoffs for the HATS and Pi (¿¿¿URL???)
- 1 [joystick](#)

Parts for car C1 - with blinking lights: **DY/JGM: TO DOCUMENT**

- **Custom-design Yershov HAT**
- LEDs - ordered from ????
- LED cables - ????
- **LEDs...**