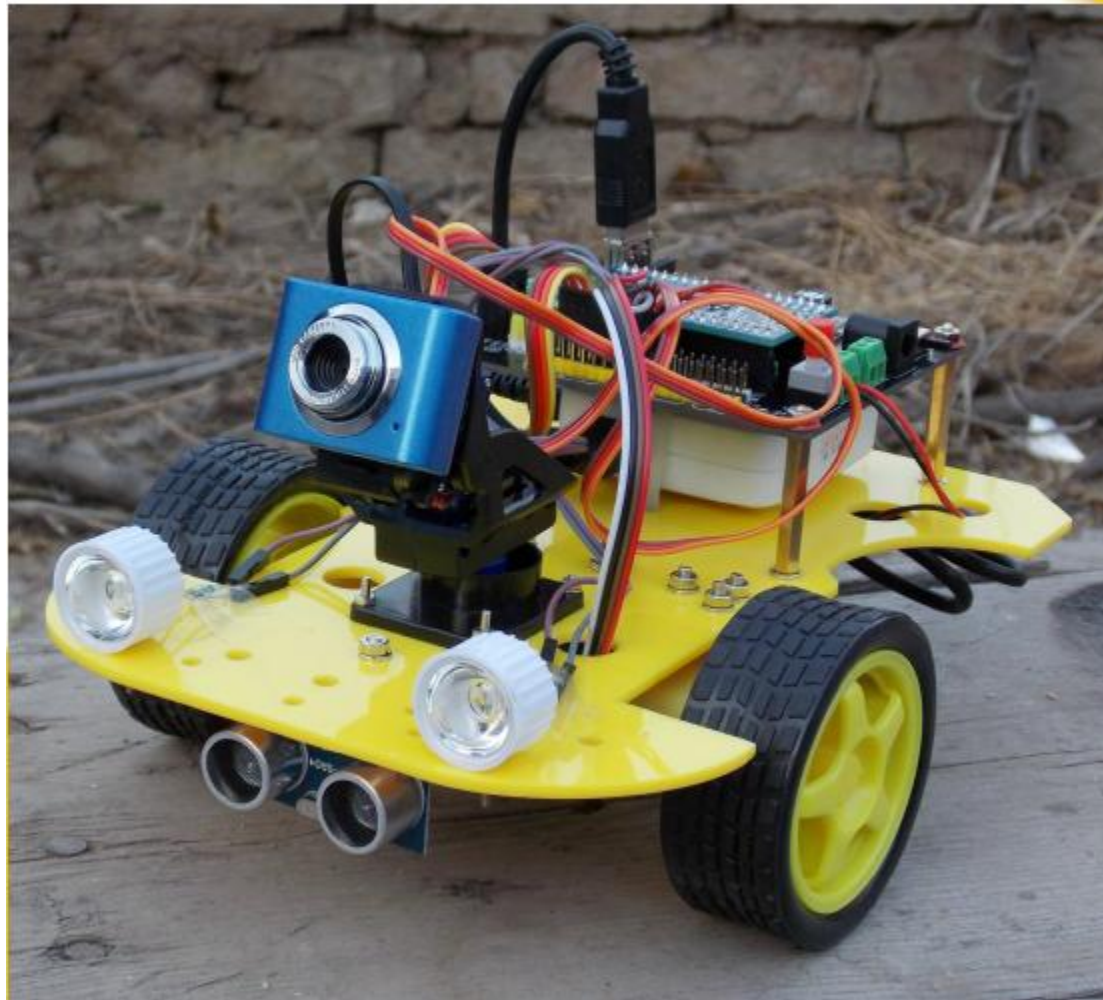


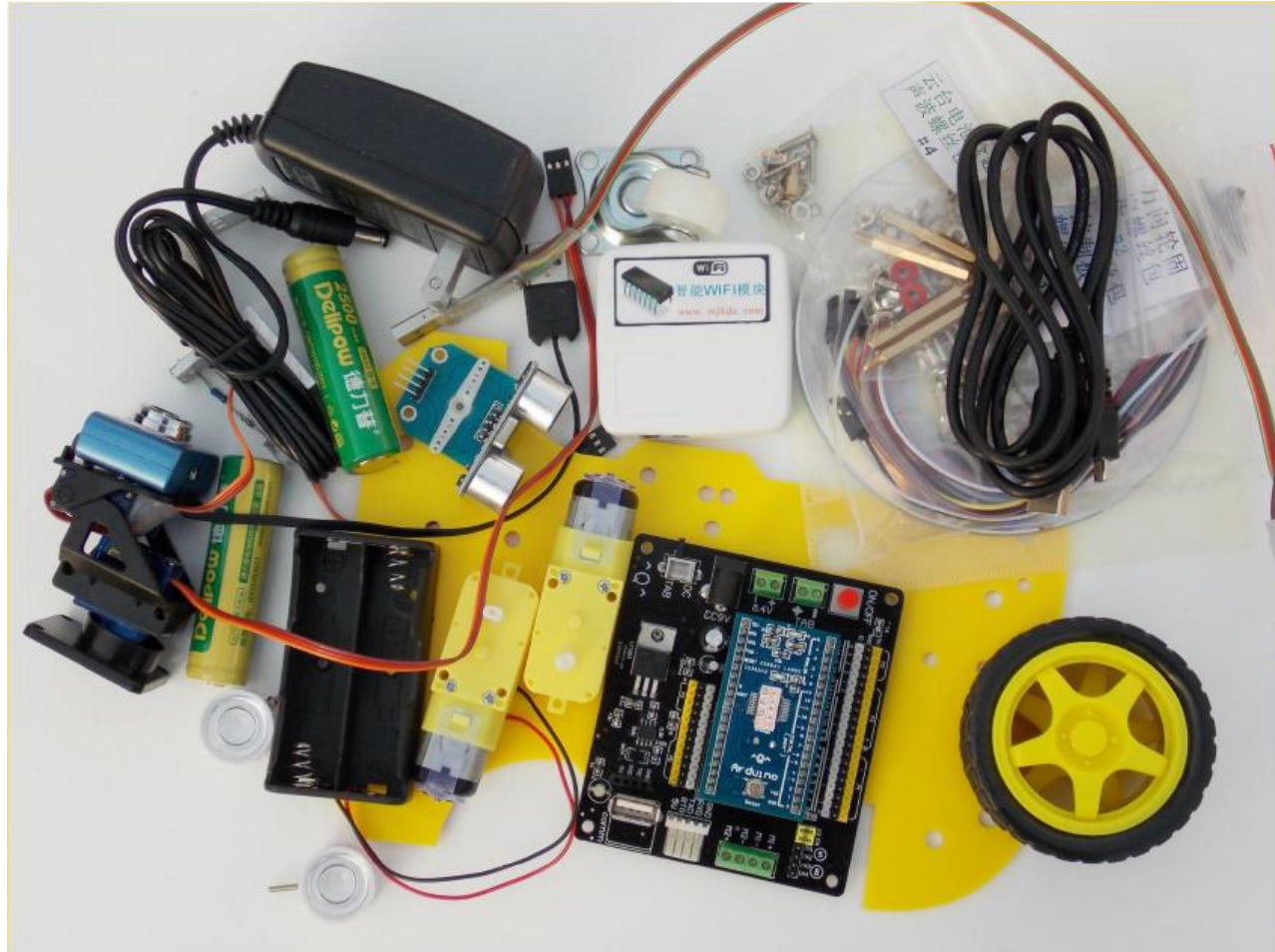
Rover Assembling and Programming Instruction



Assembled Rover



Parts

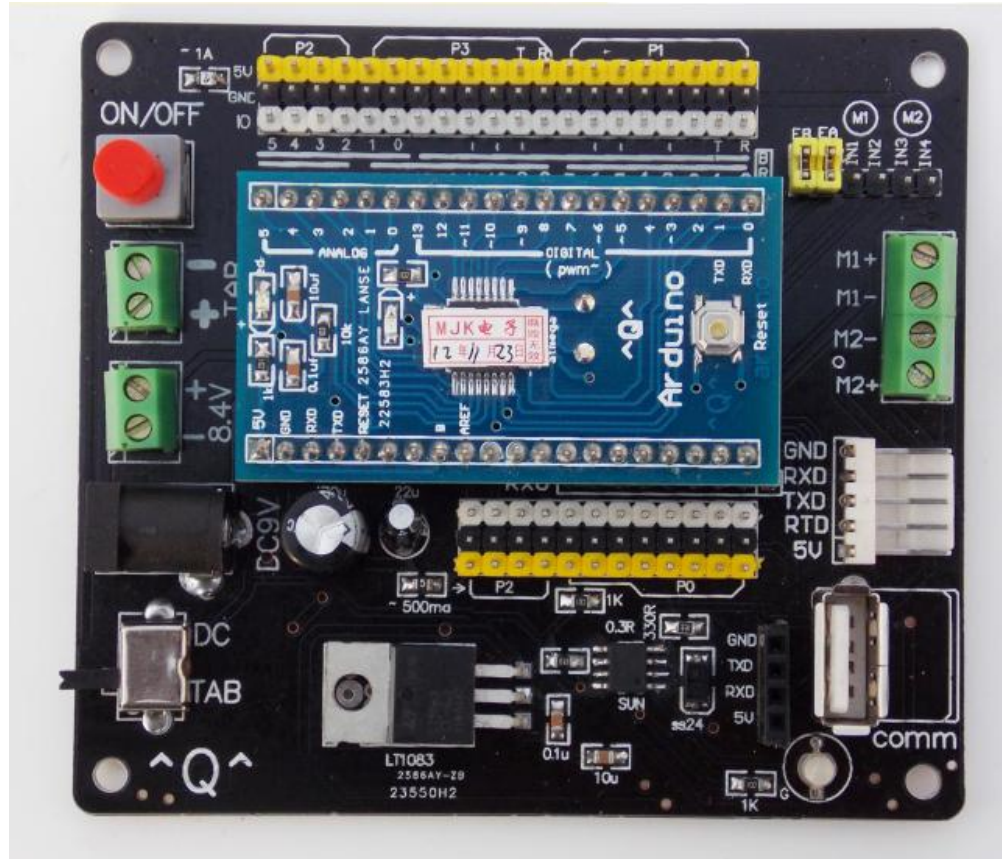


Note: Batteries are not included in the kit

Tools Needed



Getting to know parts: Control Board



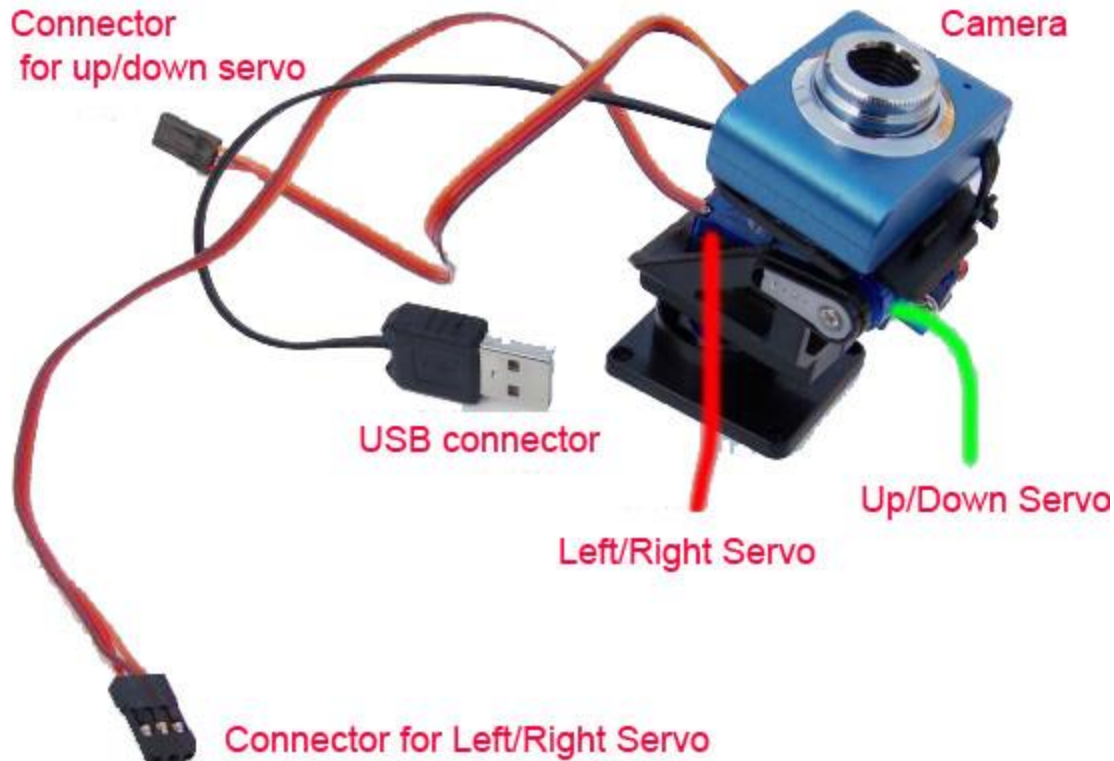
Getting to know parts: openWRT Router



Getting to know parts: openWRT Router



Getting to know parts: USB Camera and Servo



Getting to know parts: Ultrasonic Sensor



To avoid collapse with obstacles

Getting to know parts: Battery

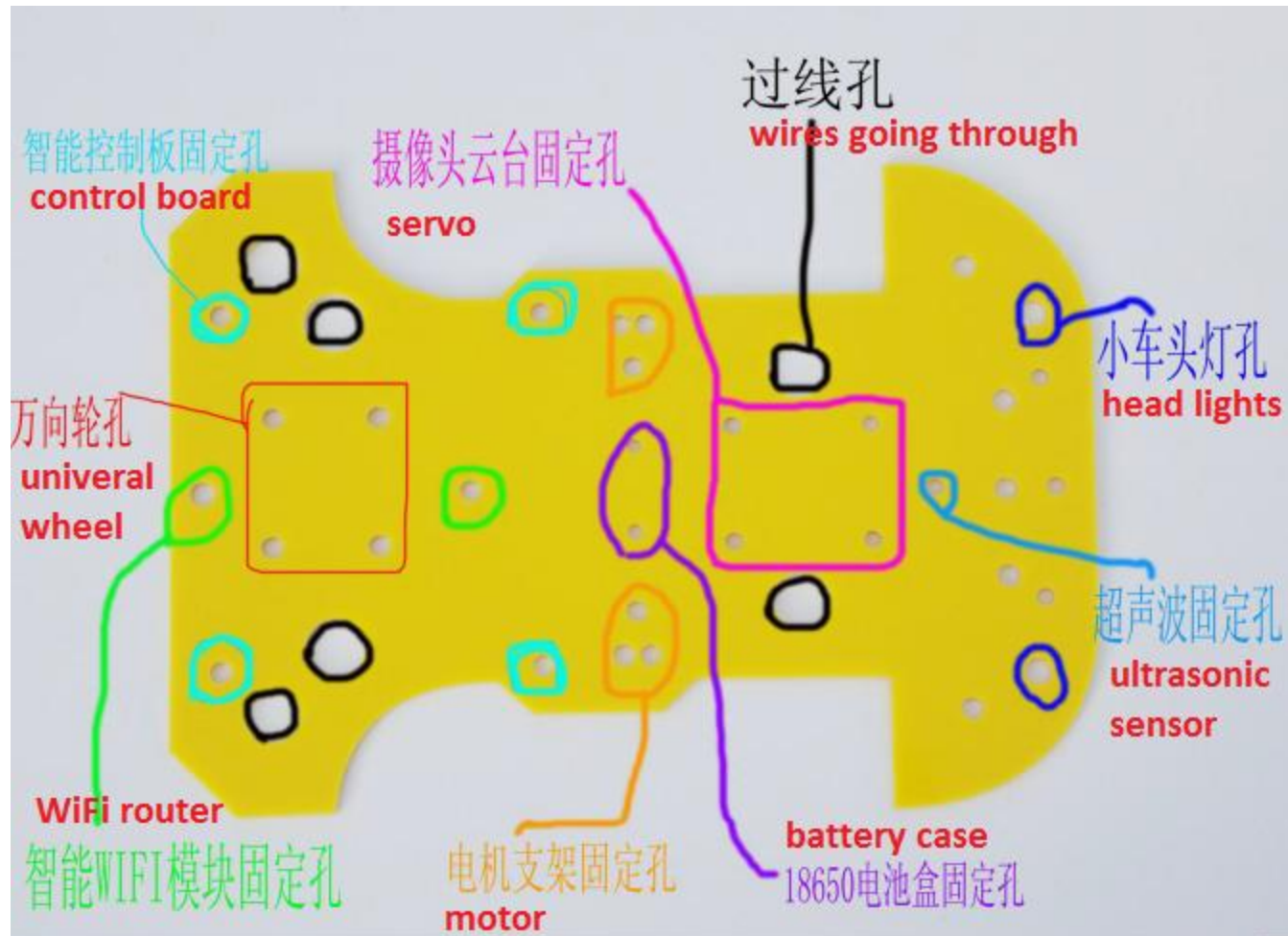


Insert power adapter to the power jack to charge the batteries. Please follow general safety rules when using rechargeable batteries

Getting to know parts: Screws, cables, wires



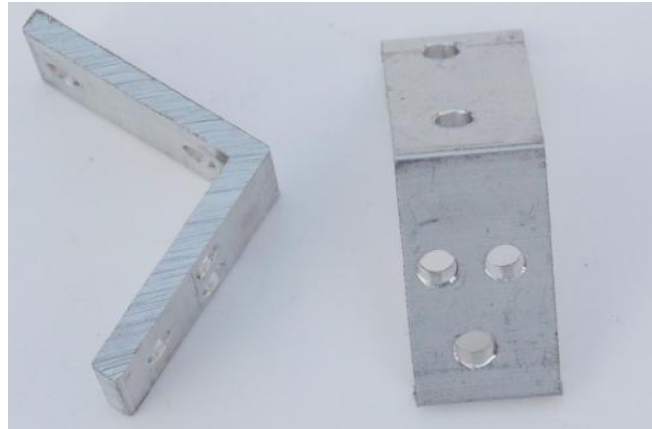
Getting to know parts: Chassis and installation holes



Getting to know parts



Universal wheel



Motor bracket



motors

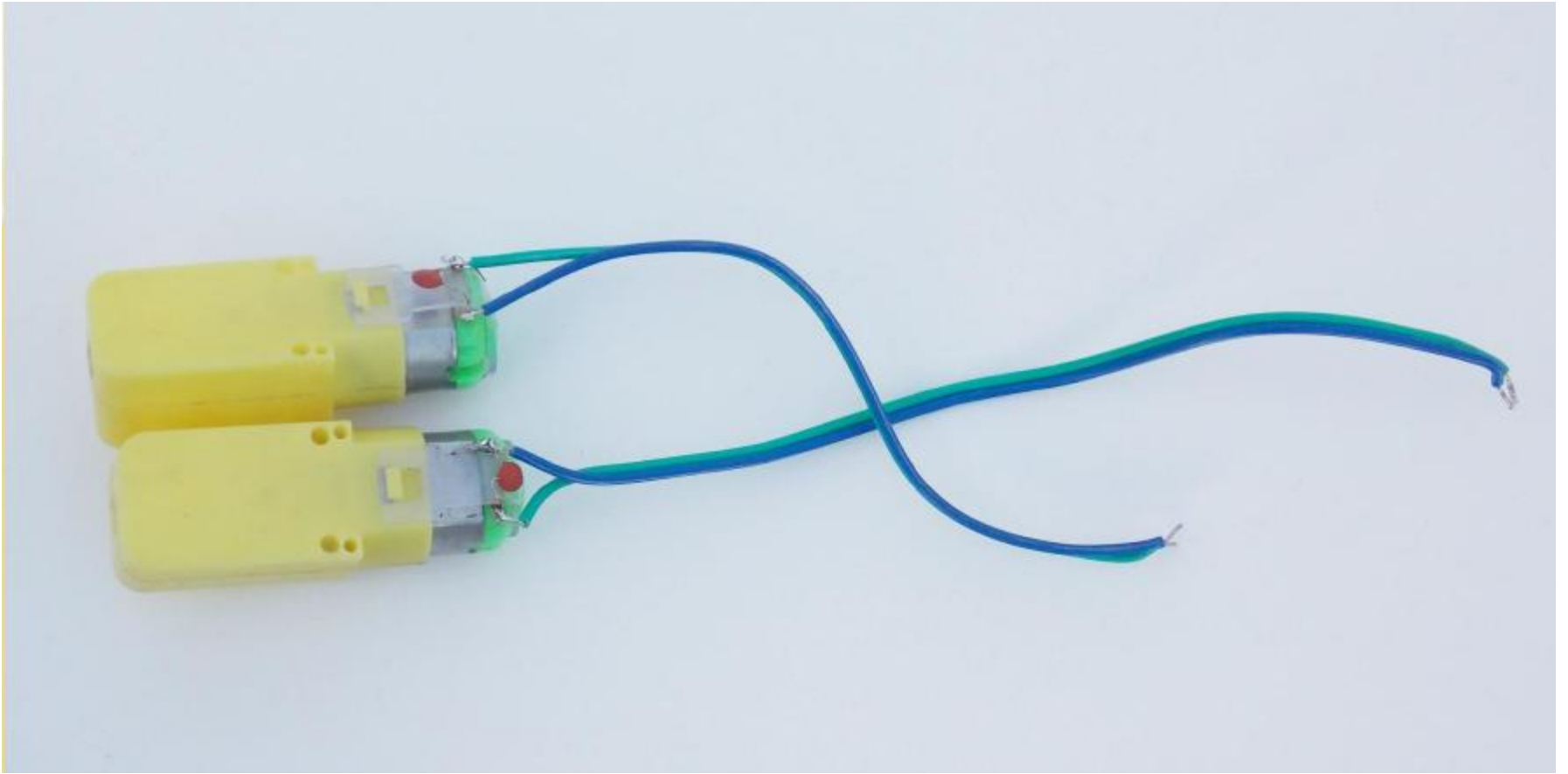


Head
lights



wheels

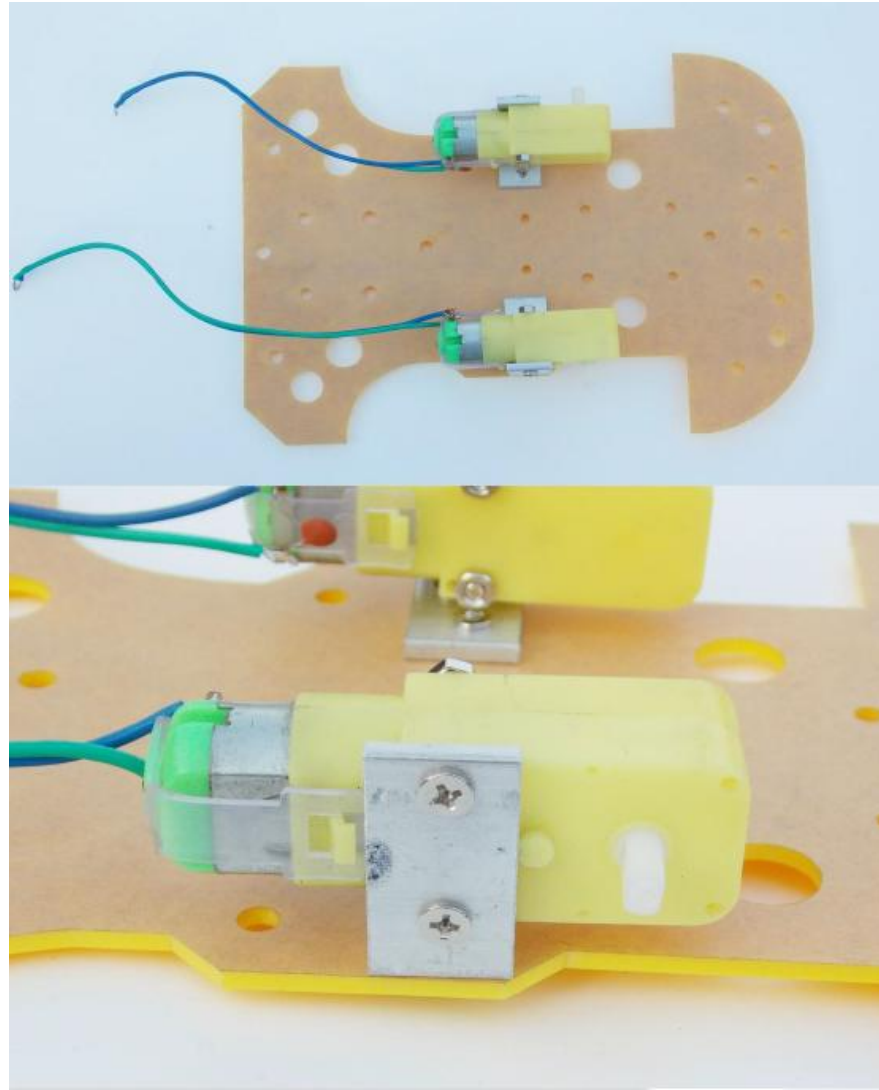
Assembling: Solder wires to motors



Install motor brackets to chassis



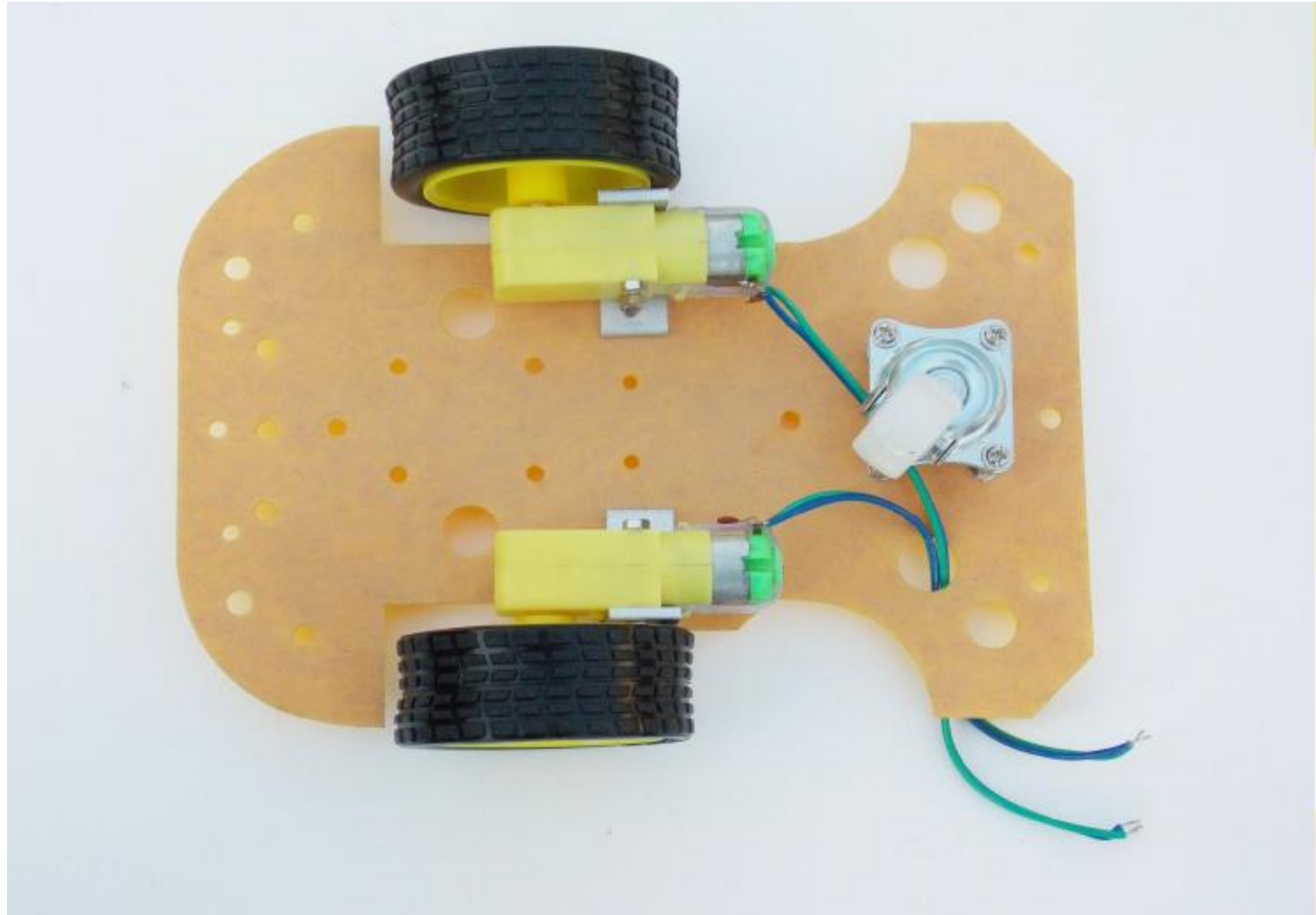
Install motors to motor brackets



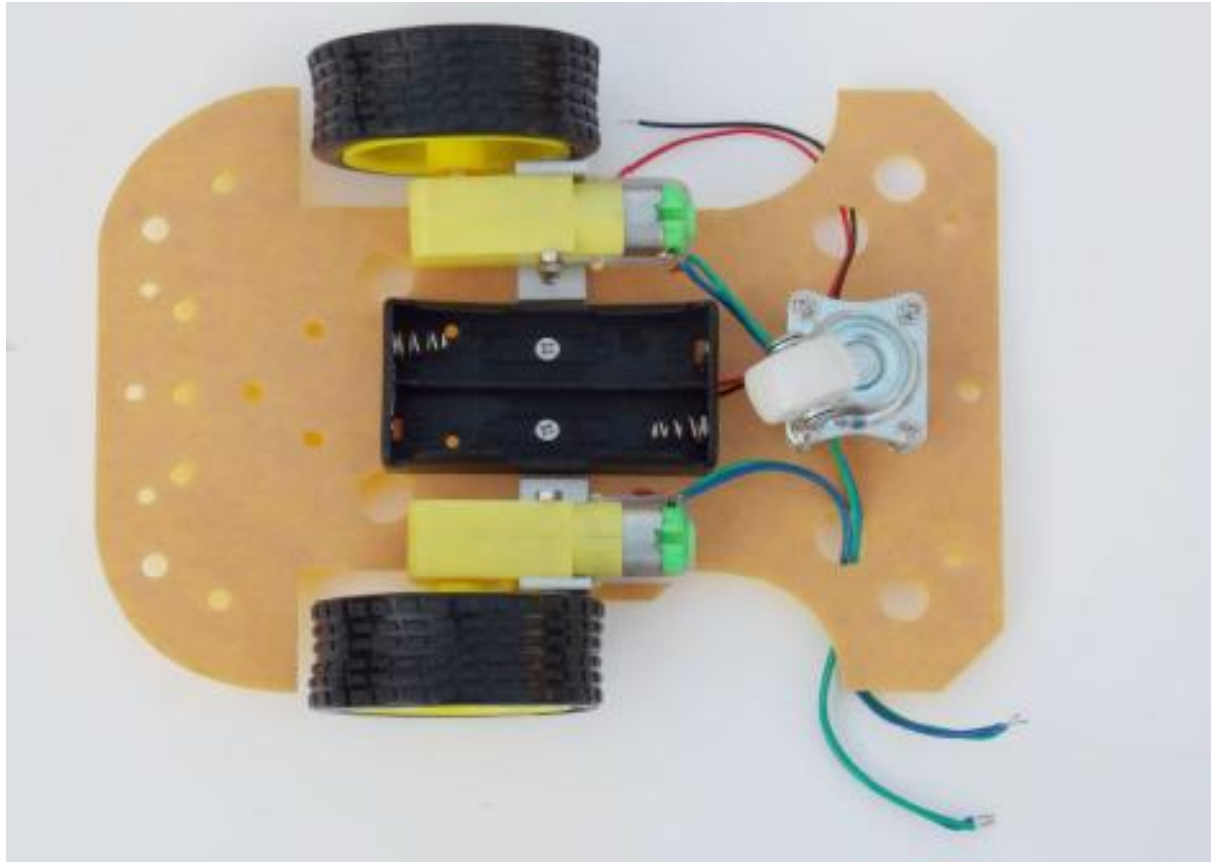
Install Universal wheel



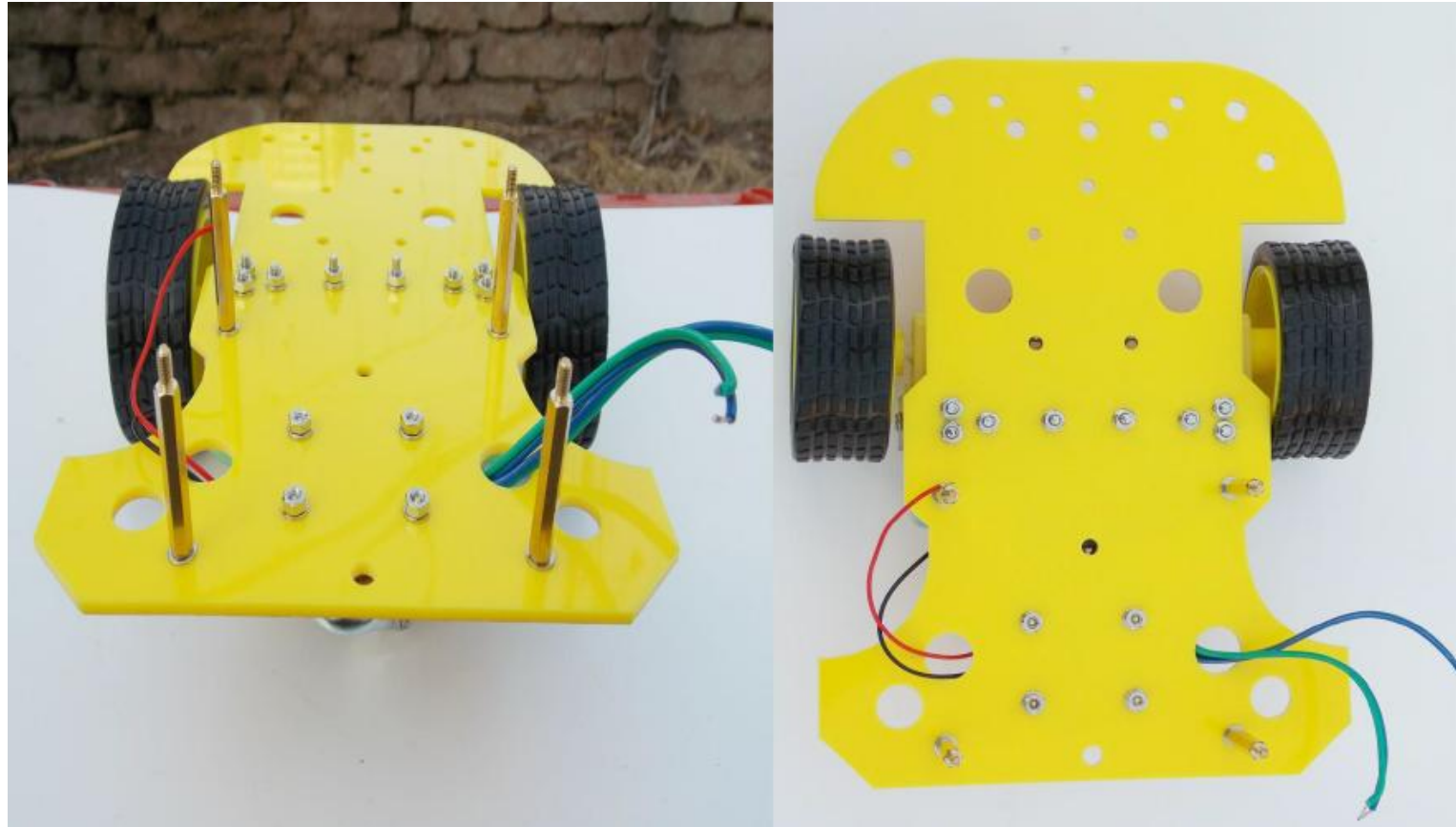
Install wheels to motors



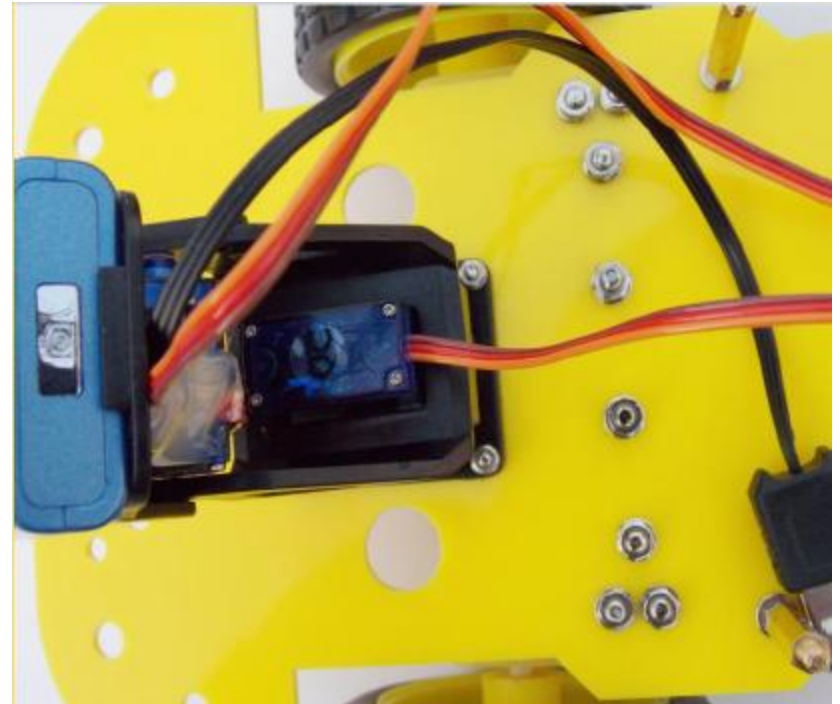
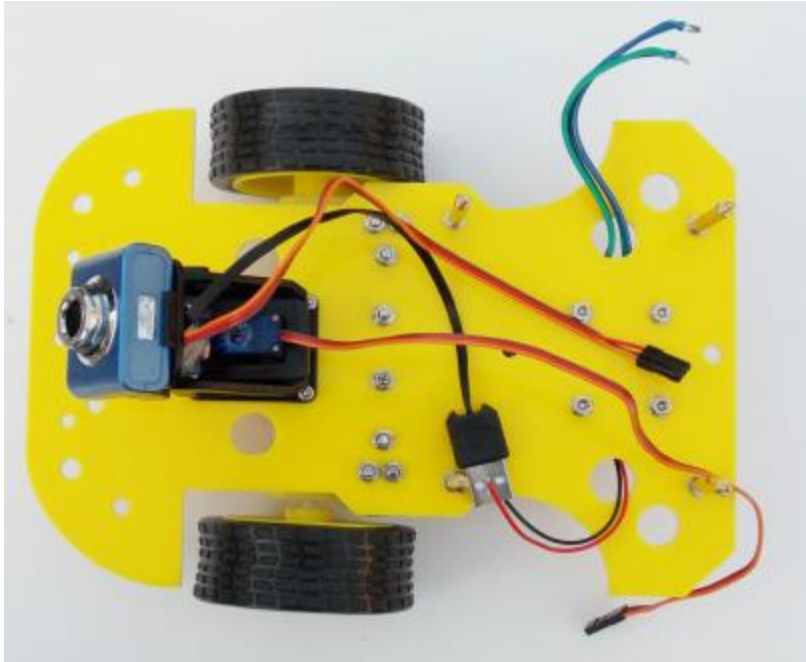
Install Battery Case



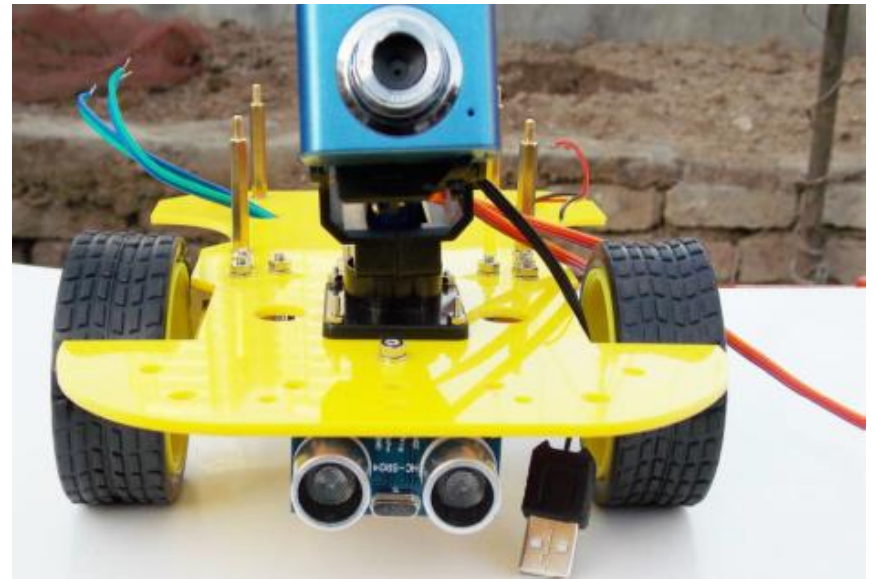
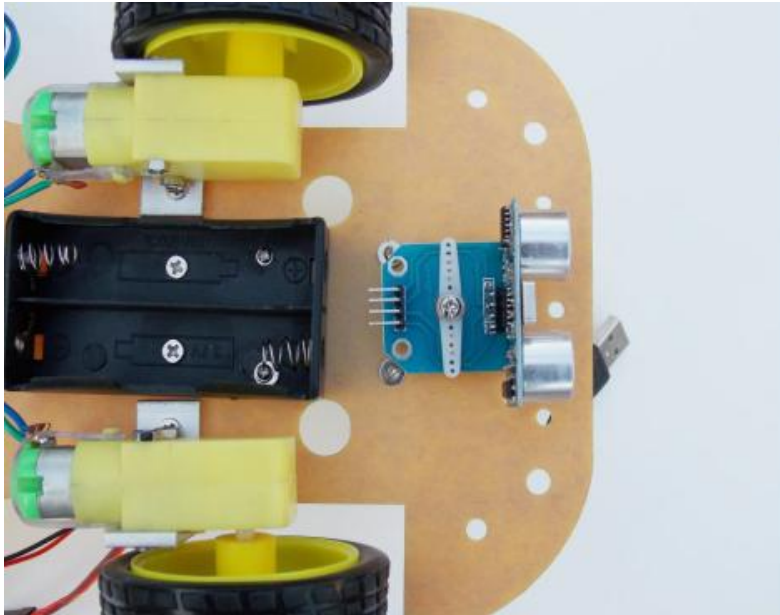
Install posts for control board



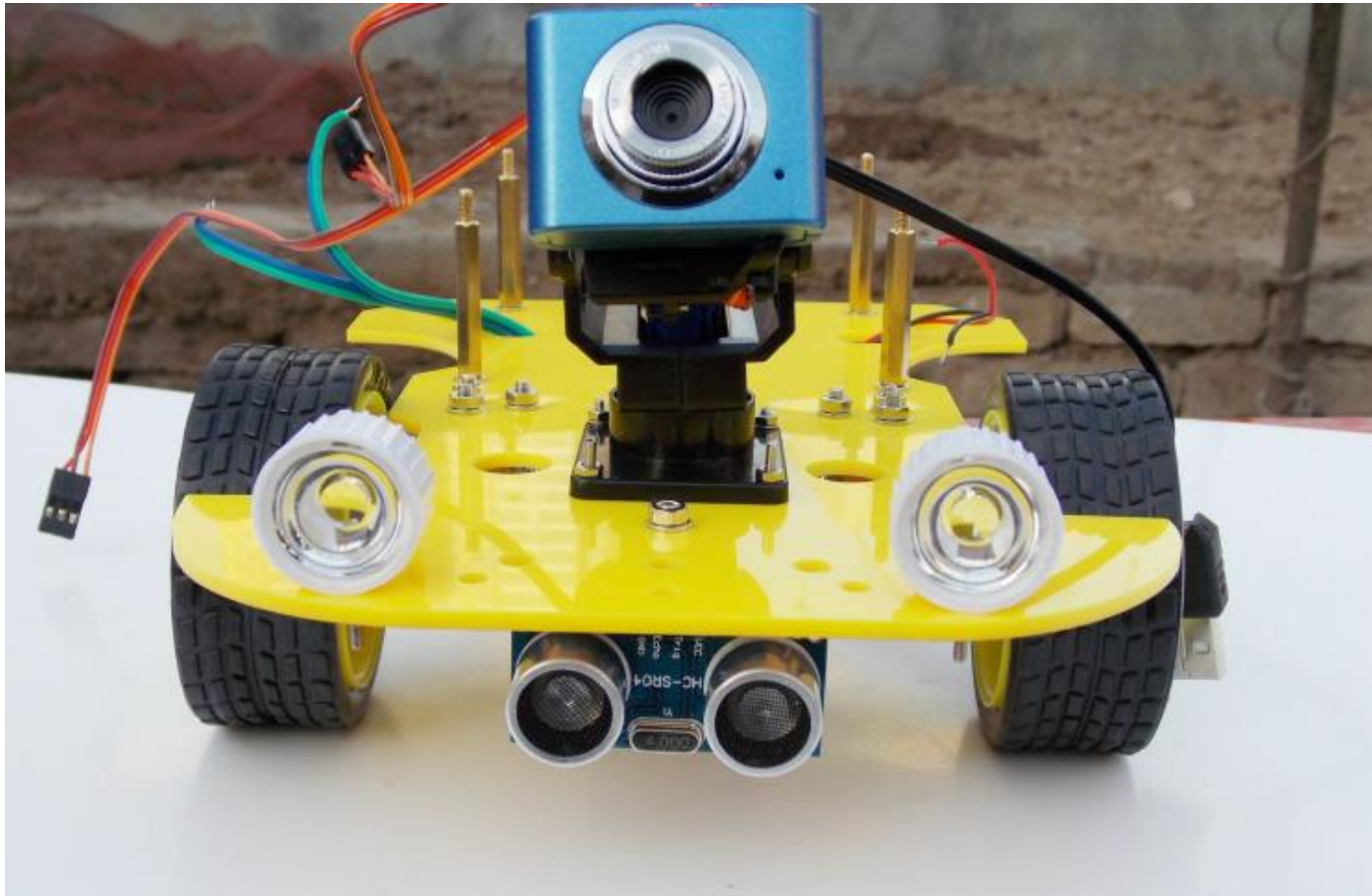
Install servo and web camera



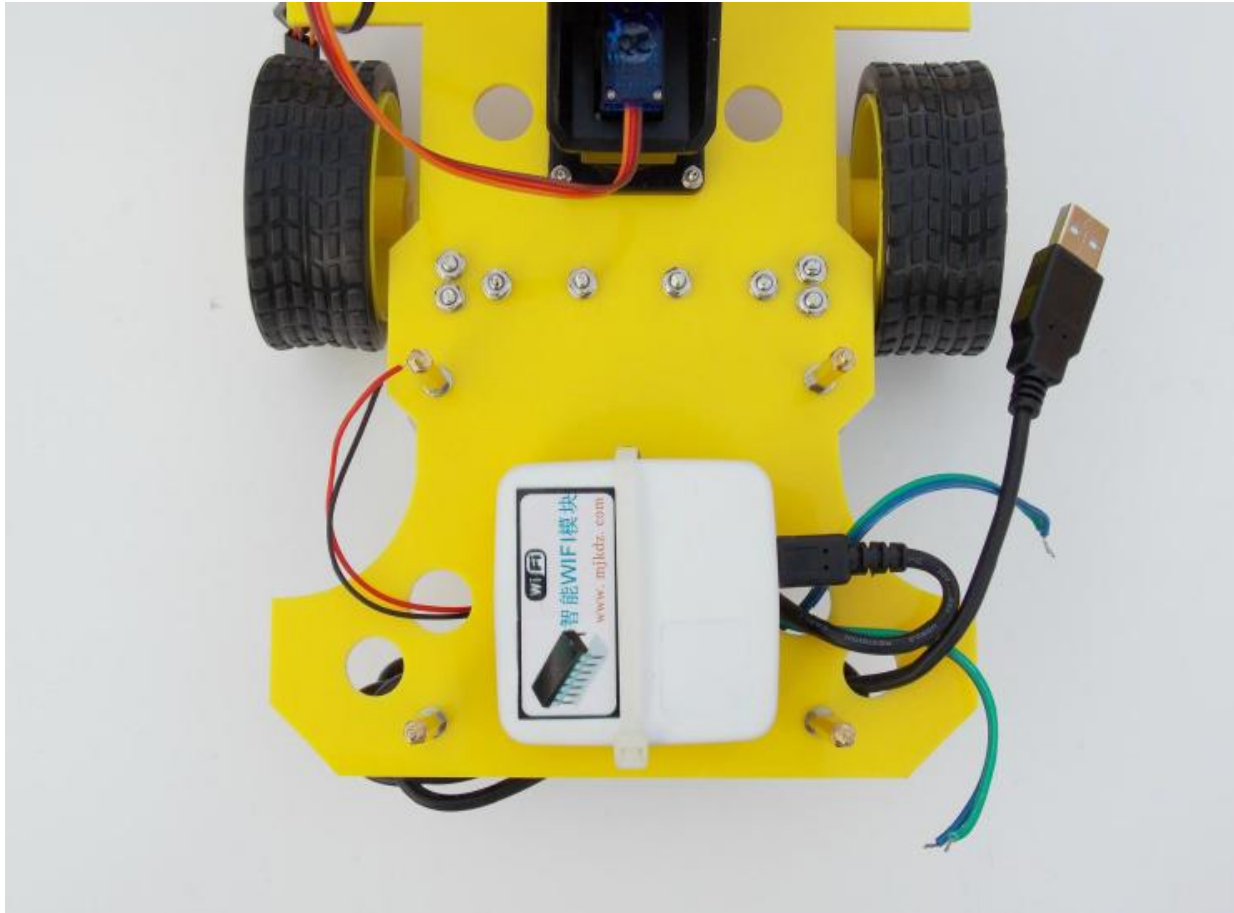
Install ultrasonic sensor



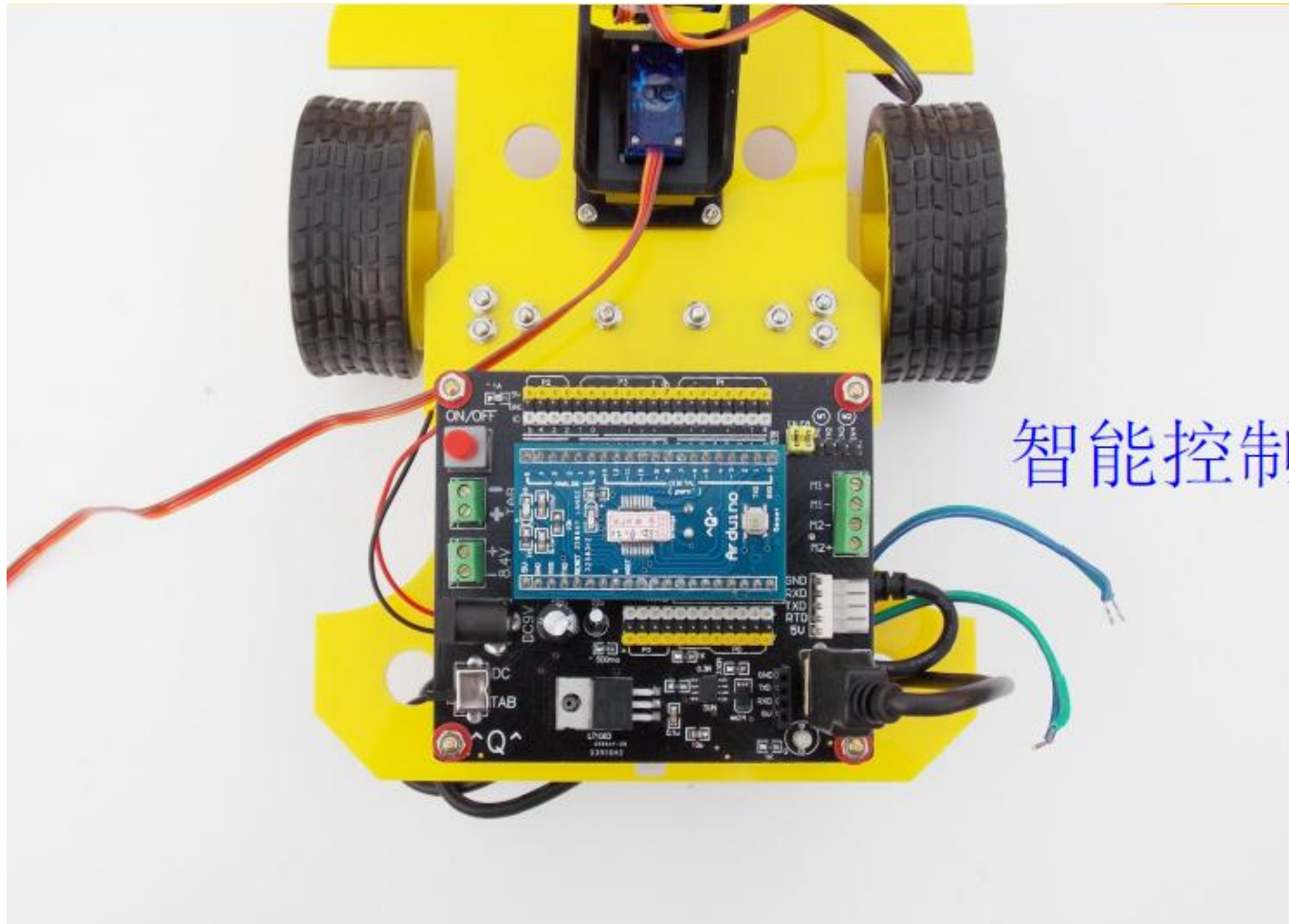
Install head lights



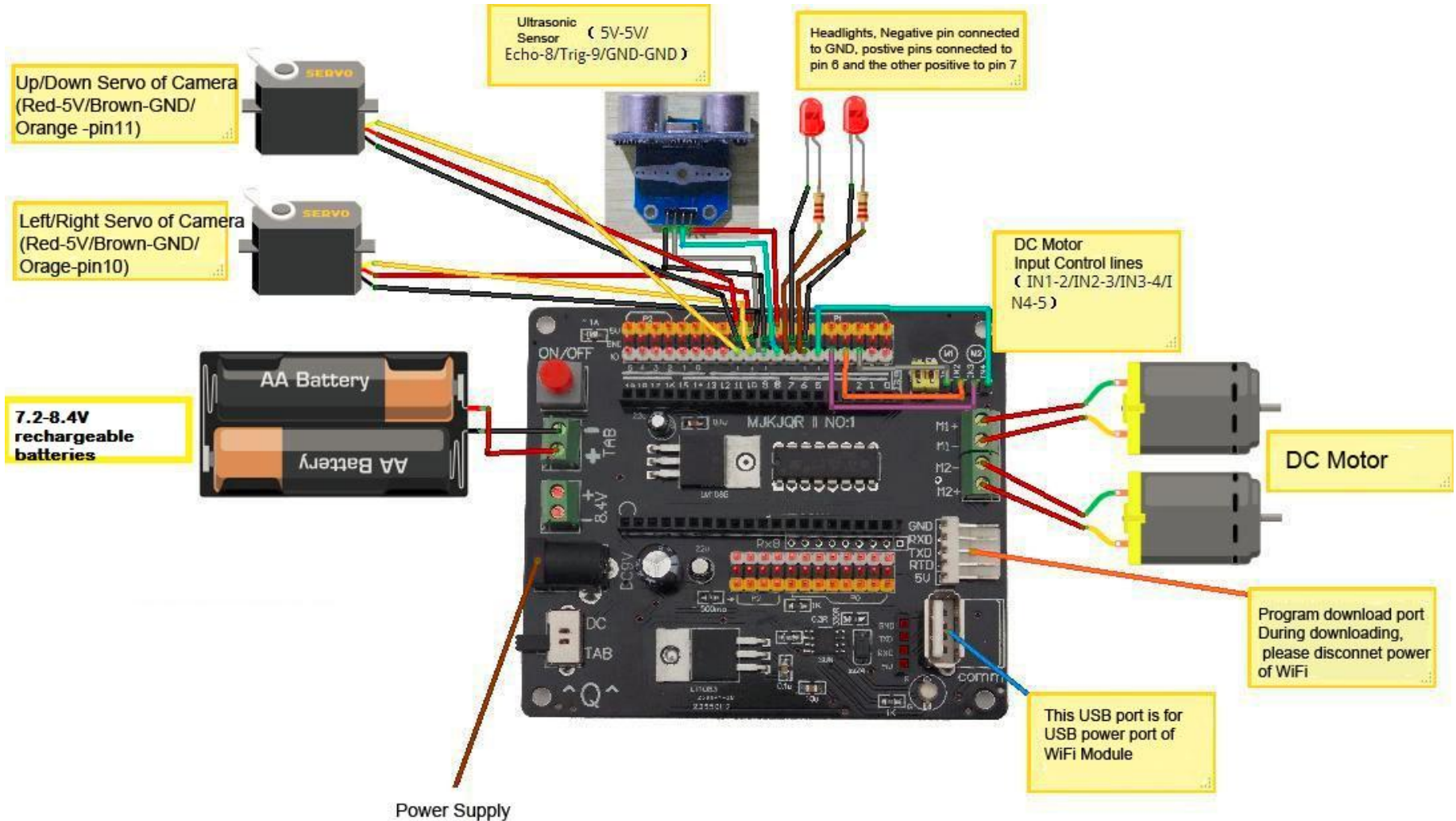
Install WiFi Router



Install Control Board

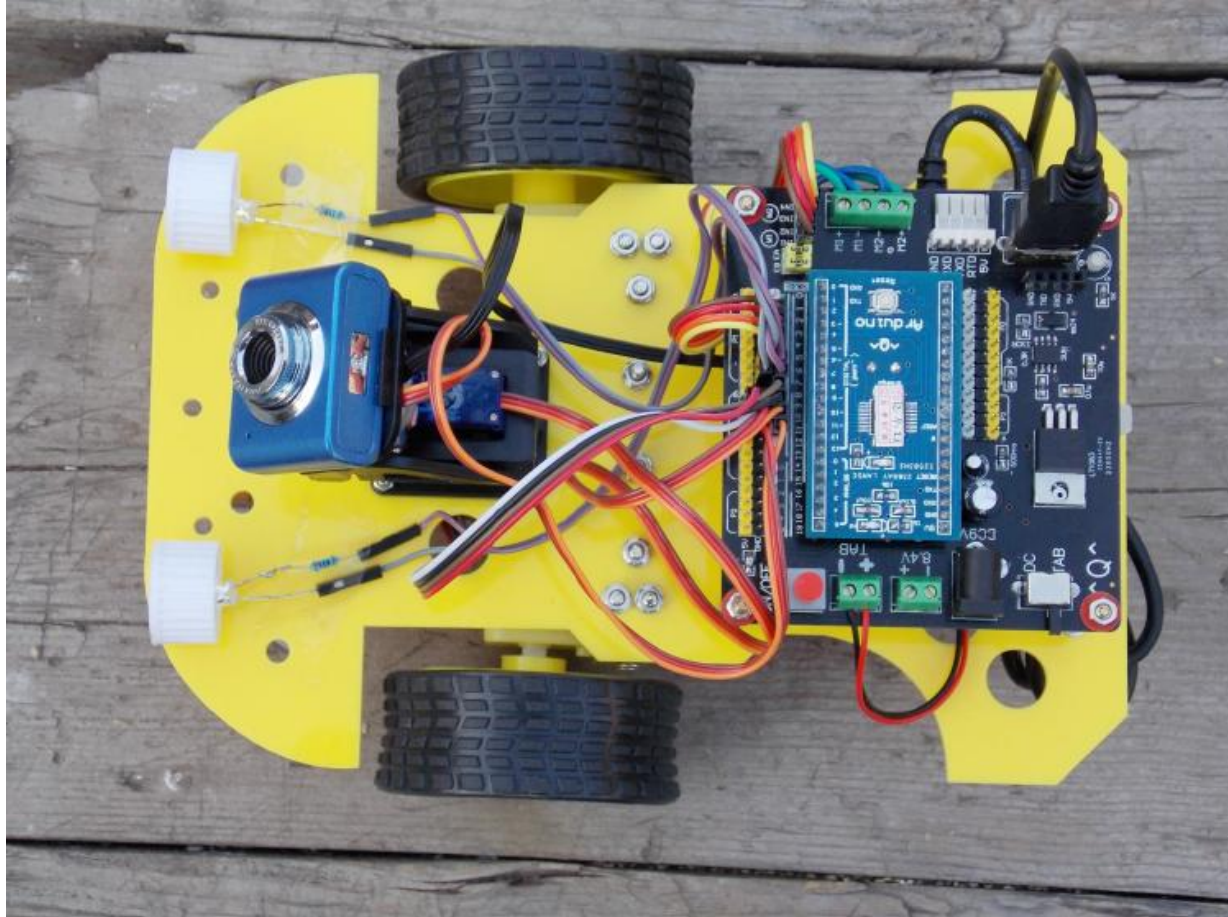


Connect all cable and wires

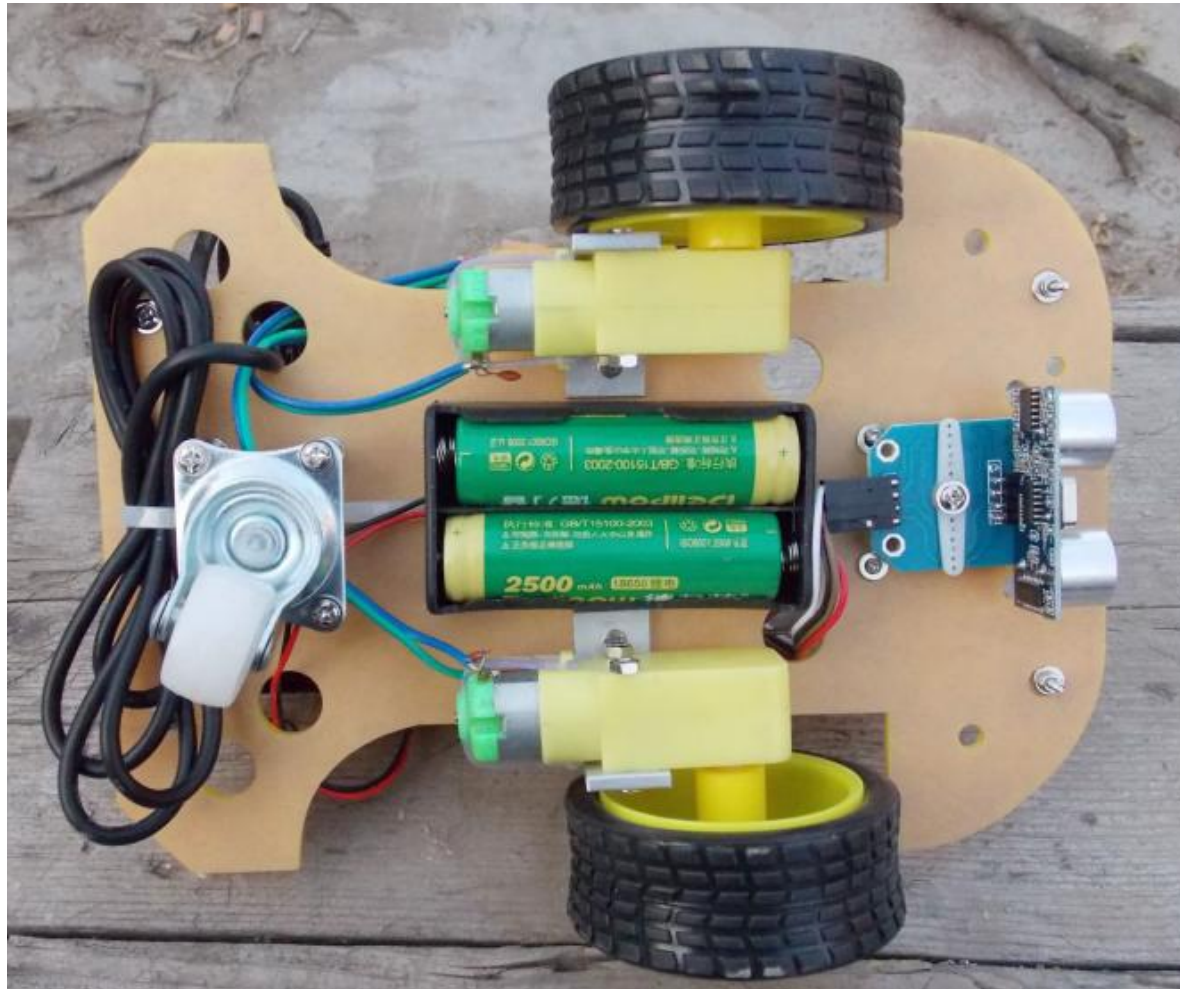


Please zoom in to see more details

Congratulation: Your Rove is finished Assembling



Bottom Side of Your Rove



Install TTL-USB Cable Driver

- Insert the TTL-USB cable to PC
- Follow <http://forum.linksprite.com/index.php?/topic/3220-wifi-remote-control-robot-with-wifi-video-camera/> to install the driver

Upload Control Board Code Notes

- Before uploading the source code
 - Please make sure the cable to the WiFi router is disconnected before uploading code to the control board
 - Please make sure the battery is fully charged or the power adapter is inserted to the power jack.
- After the code is uploaded, power off. Unplug the TTL-USB cable from the control board, and insert the USB cable to the WiFi router, and power on. Wait for a while until the WiFi network wifi-robots shows up in your wireless network list.

Install PC Software

- Find the PC software link on the product page <http://store.linksprite.com/rover-wifi-remote-control-robot-with-wifi-video-camera/> or the wiki page http://linksprite.com/wiki/index.php5?title=Rover:_WiFi_Video_Streaming_Robot
- Download it to your PC. It can run without installation

Connect your PC to the robot WiFi

- Wait until the wireless network wifi-robots shows in your wireless network list
- Select the wifi-robots as your wireless network. Now your PC is connected to the Rover (Please note your PC cannot connect to internet now)

Configure your Rover

- Open the PC Software. Click on Setting and set up as following

设置

WIFI设置 **wifi setting**

视频地址
video URL

控制地址 控制端口
Control URL/IP **port number**

指令设置 **command setting**

前进 **move forward**

后退 **move backward**

左转 **turn left**

右转 **turn right**

开灯 关灯

舵机上 **servo up**

舵机下 **servo down**

servo left servo right

保存 取消

- Save, close and reopen the software

Take Video: Click on Video



You can click on the four servo buttons to adjust the camera's direction to take video of your target

Drive the Rover

- Click on the five driving buttons to drive the Rover, move forward/backward, turn left/right or stop.
- Click on Light On/Off to turn on or off the head lights
- I can now drive my Rover and meanwhile take videos.
- Have fun!