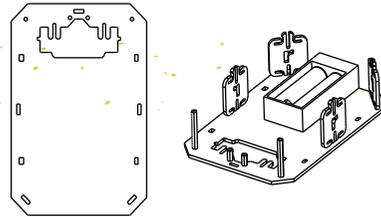


# CLIGO

## Assembly Guide

Built with top Brands  
EasyMech, SmartElex, Orange

1

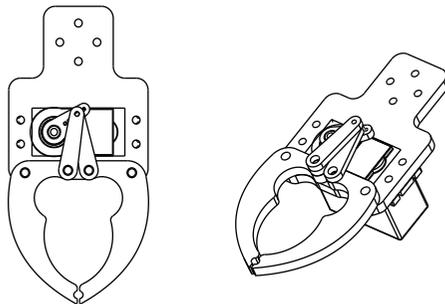


Starting with the base plate, Mount brass standoff on the base plate with the help of bolts & screw driver & also mount the Li-ion cell holder on the plate with help of 3M DST pad and insert the Orange 18650 Li-ion cells into the holder. Makes sure the batteries are facing the correct direction, as per the markings inside of the Battery Holder. Now snap the all 5 side plates into the slots on the baseplate.



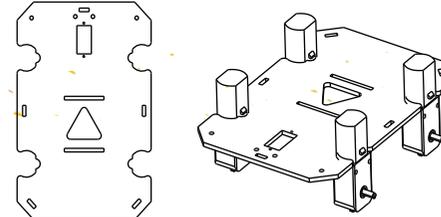
Do not attempt to remove chassis parts by squeezing them with pliers. You will break the small nubs.

4



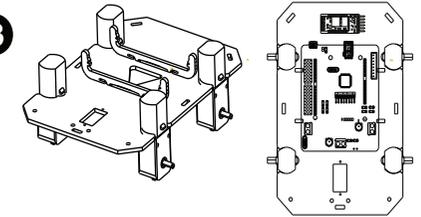
Make assembly of specifically designed ABS Gripper for the MG995 Servo Motor. You will get assembly video on the product page.

2



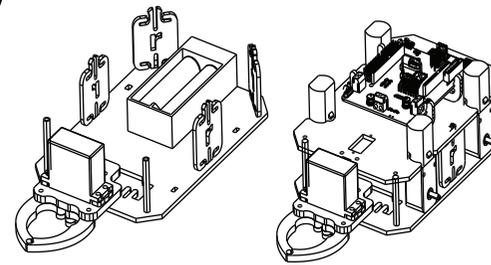
Mount the BO motors on the top plate, holding the motor wires, gently twist the Motor counter clockwise so that it snaps in place on the motor and the wires are centred in the gap of the motor mount. Repeat the process for all remaining motors..

3



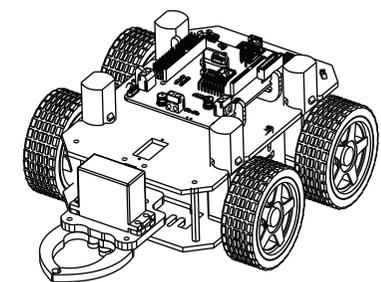
Snap the PCB holders in the top plate & mount the SmartElex L298N Motor Driver with on board Arduino Uno. Make the connections of the motors to the SmartElex L298N Motor Driver with on board Arduino Uno. Refer the motor connection diagram.

5



Mount the gripper assembly on the base plate with the help 10 mm female-female brass standoff. Now snap the top plate assembly on to the base plate such that it will get lock due to the side plates. Also tight all the screw of the standoffs.

6

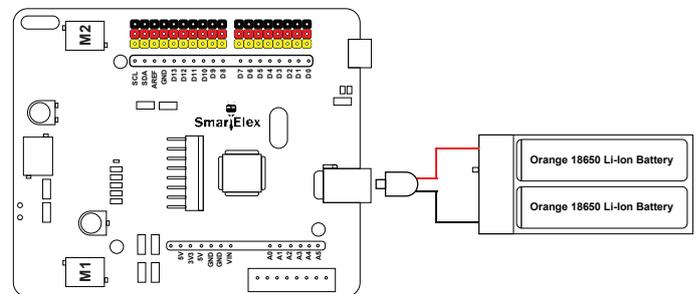
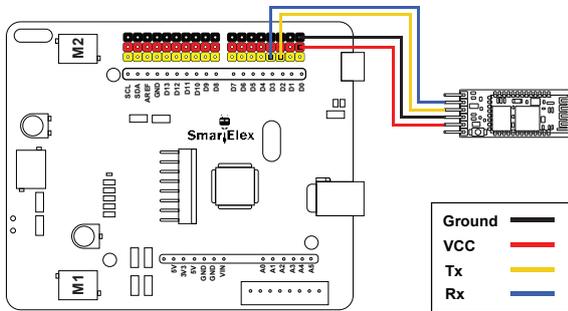
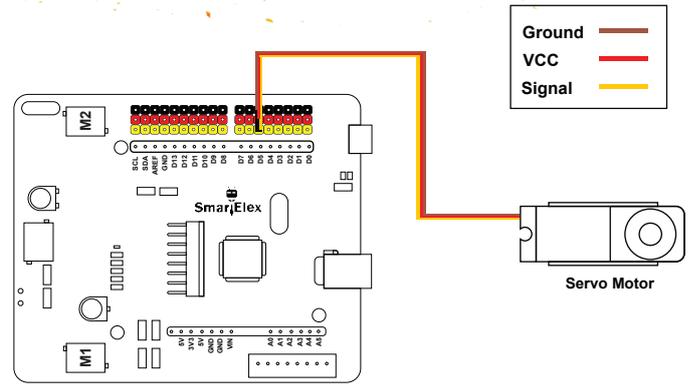
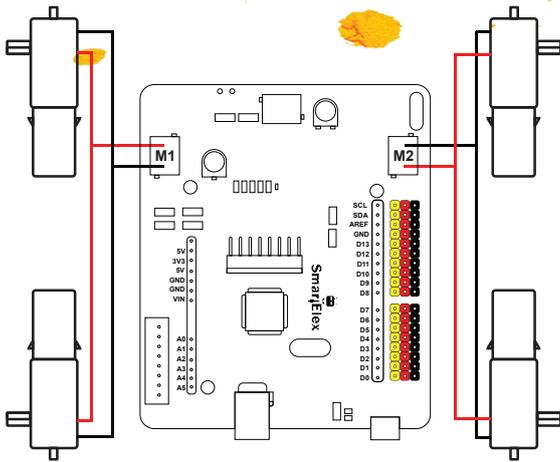


Attach the yellow wheels to the motor. Make sure to line up the flat edges of the motor shaft with the flat edges of the wheel. Mount the HC-05 Wireless Bluetooth Module with the help of 3M DST pad..

1. Each movement of the vehicle is controlled by the program so it is necessary to get the program installed and set up correctly. We will use the Arduino Software IDE (Integrated Development Environment) as a programming tool. Go to <https://www.arduino.cc/en/Main/Software> and download and install Arduino IDE software.
2. Download and install USB driver from <https://sparks.gogo.co.nz/ch340.html> In the Arduino IDE when the CH340 is connected you will see a COM Port in the Tools > Serial Port menu, the COM number for your device may vary depending on your system.
3. Download attachment "Codes & Arduino Libraries". You will get all the codes and libraries required for the robot. Install the libraries and upload the suitable program.

# CLIGO

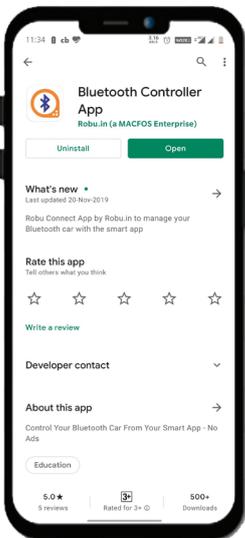
connections Diagram



Scan the QR code



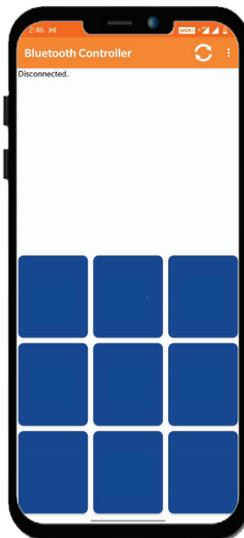
to download the **Bluetooth Controller App**



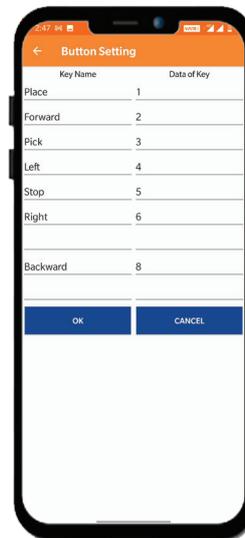
Download the latest version of the **"Bluetooth Controller"** app on the **Google Play Store**



Open the app & turn on the **Bluetooth Device**



Connect the device to the **HC-05**  
Password is **"1234" or "0000"**



Configure the **buttons**



Have a great ride !