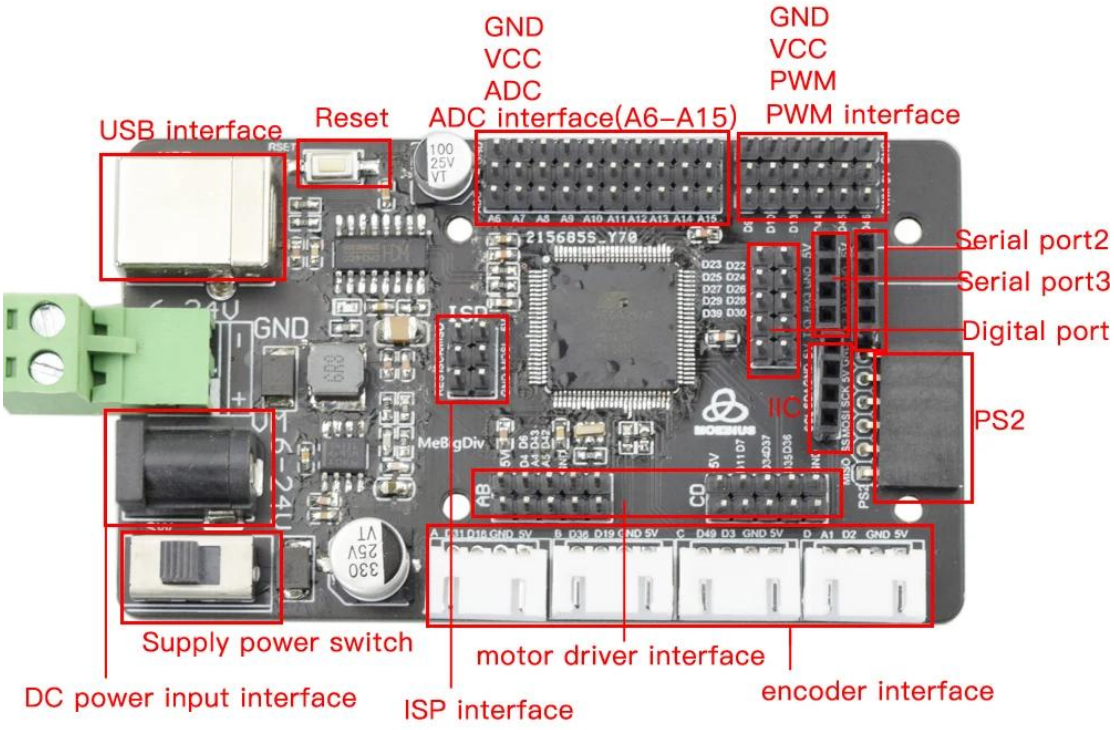
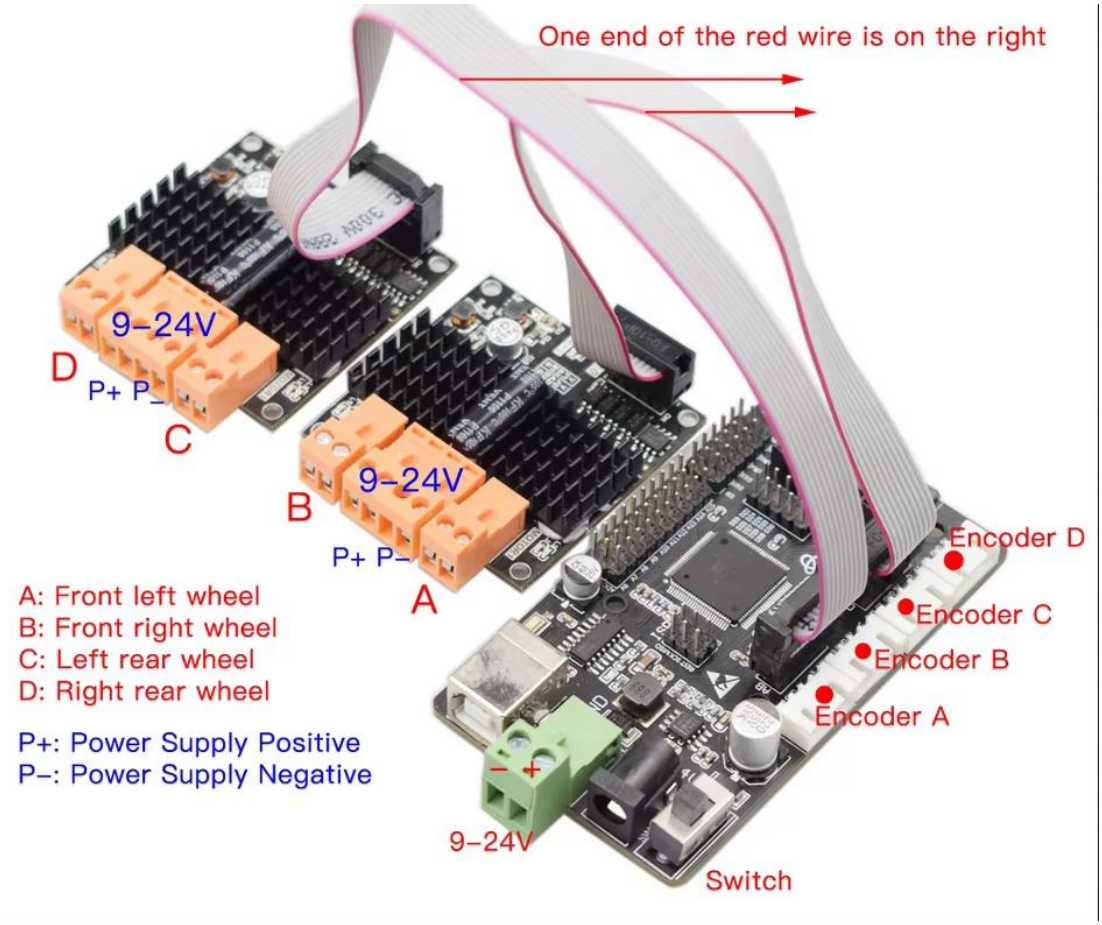
1. Motor Encoder Pins：

PIN1- M2	MOTOR POWER IN - (White wire)
PIN2- VCC	HALL SENSOR VCC. (Blue wire)
PIN3- C2	C2 HALL SENSOR B Vout(Green wire)
PIN4- C1	C1 HALL SENSOR A Vout(Yellow wire)
PIN5- GND	HALL SENSOR GND. (Black wire)
PIN6- M1	MOTOR POWER IN + (Red wire)

2. Overall wiring:





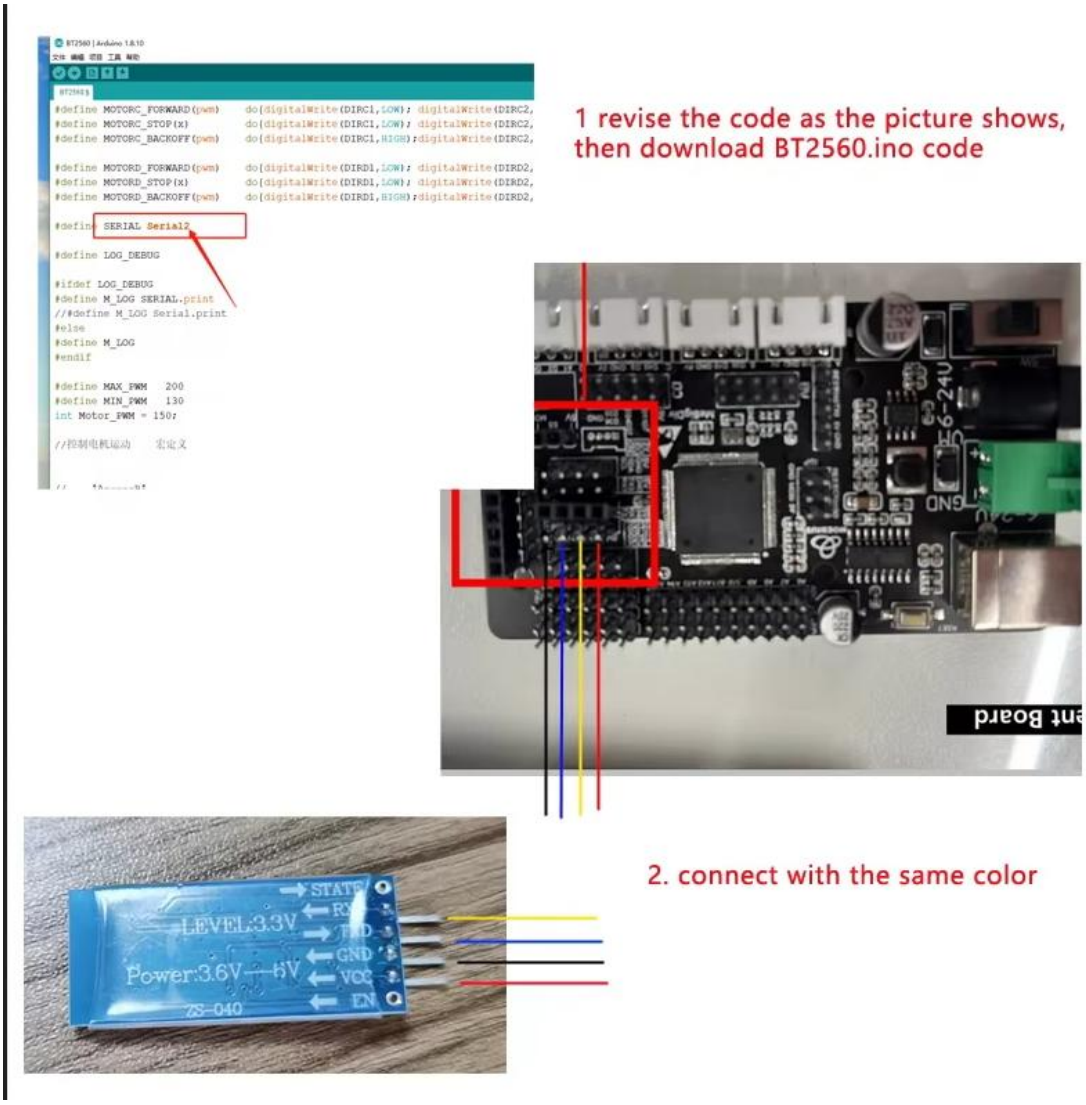
3. PS2 and Bluetooth and MC6C handel are different control modes, they can’t use together. Suggest using Bluetooth remote control first.

(1) HC-06 Bluetooth Module connect:

Source code link:

https://github.com/MoebiusTech/MeBigDiv/blob/master/BT2560.ino

APP link: https://github.com/MoebiusTech/Bluetooth-APP(only can use on Android phone)



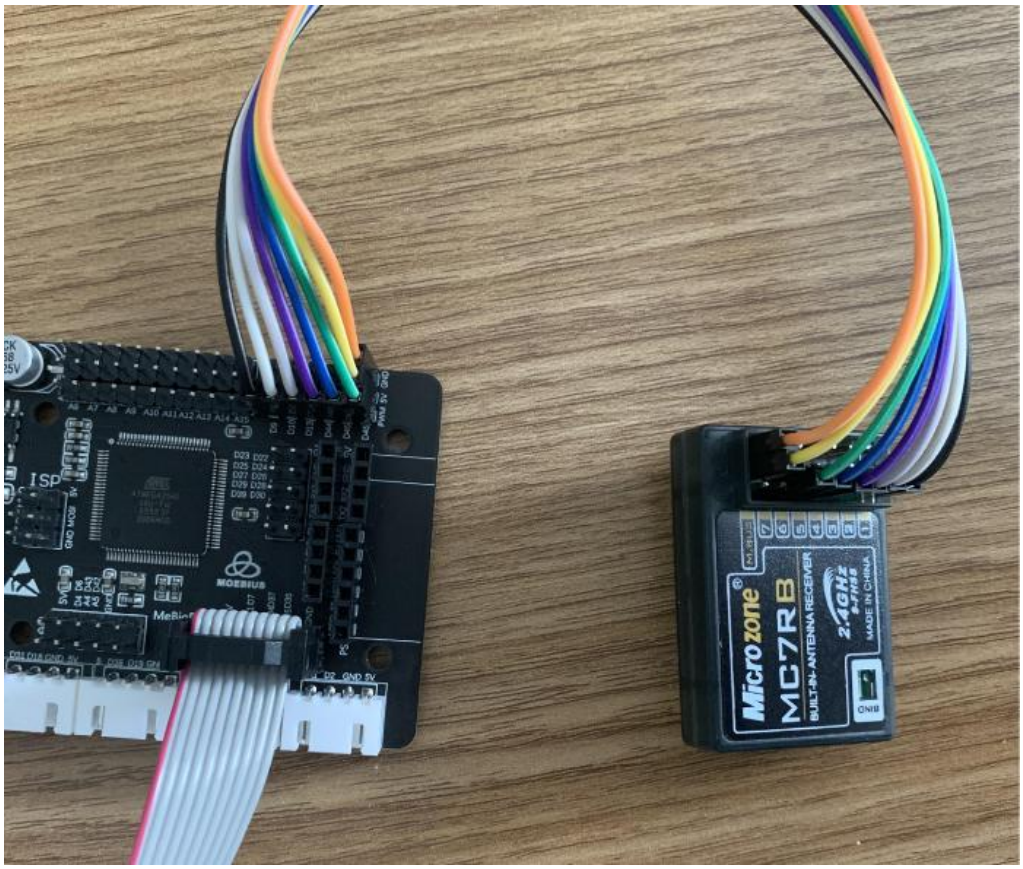
(2) MC6C handel :

Source code link:

https://github.com/MoebiusTech/MeBigDiv/blob/master/Mecanum_mc6c_handle_4Drive.zip

This remote control method requires fine-tuning, please refer to the manual:

https://github.com/MoebiusTech/MeBigDiv/blob/master/MC6C%20handle.pdf

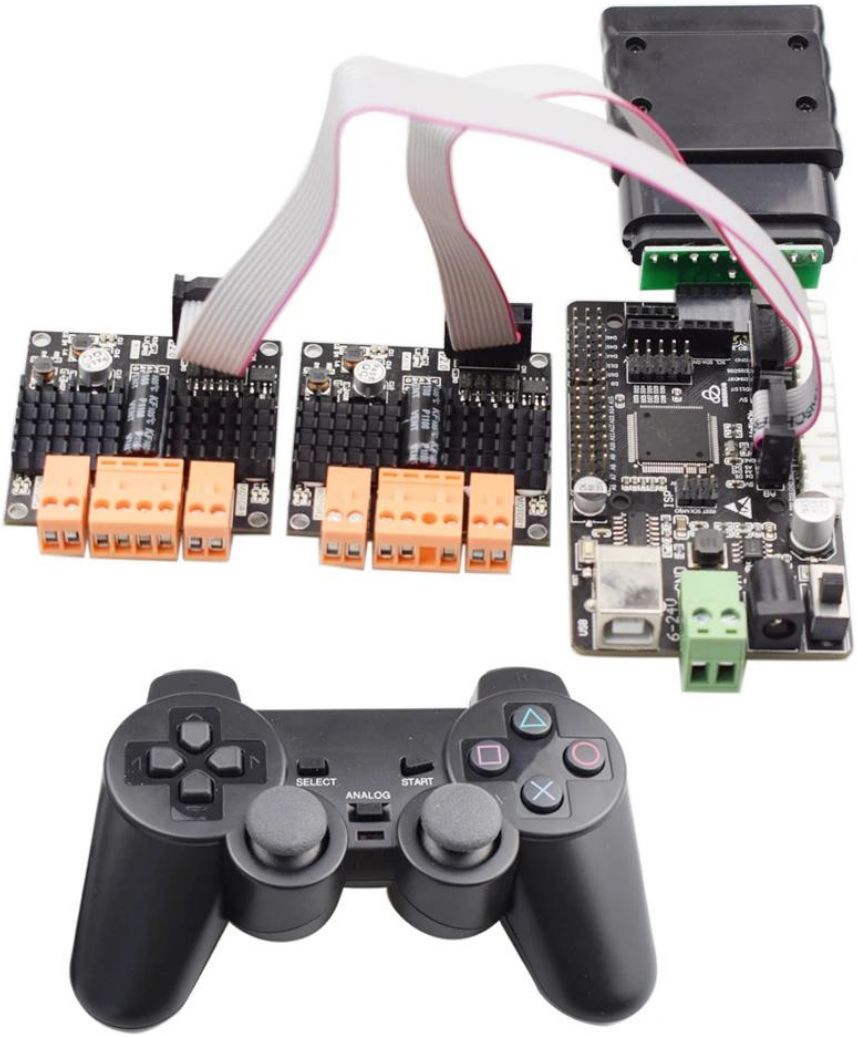


(3)PS2 control

Source code link:

https://github.com/MoebiusTech/MeBigDiv/blob/master/MecanumRobotPS2Control.zip

Note: When plugging in or unplugging the receiver, it is necessary to do so when the power is turned off, otherwise it is easy to burn out the receiver.



Handle button function for Arduino MEGA2560

Press L1 and push the left push rod, it can achieve forward and backward, pan left and right.

Press and hold L1 and push the right push rod, it can achieve left and right in-situ rotation.

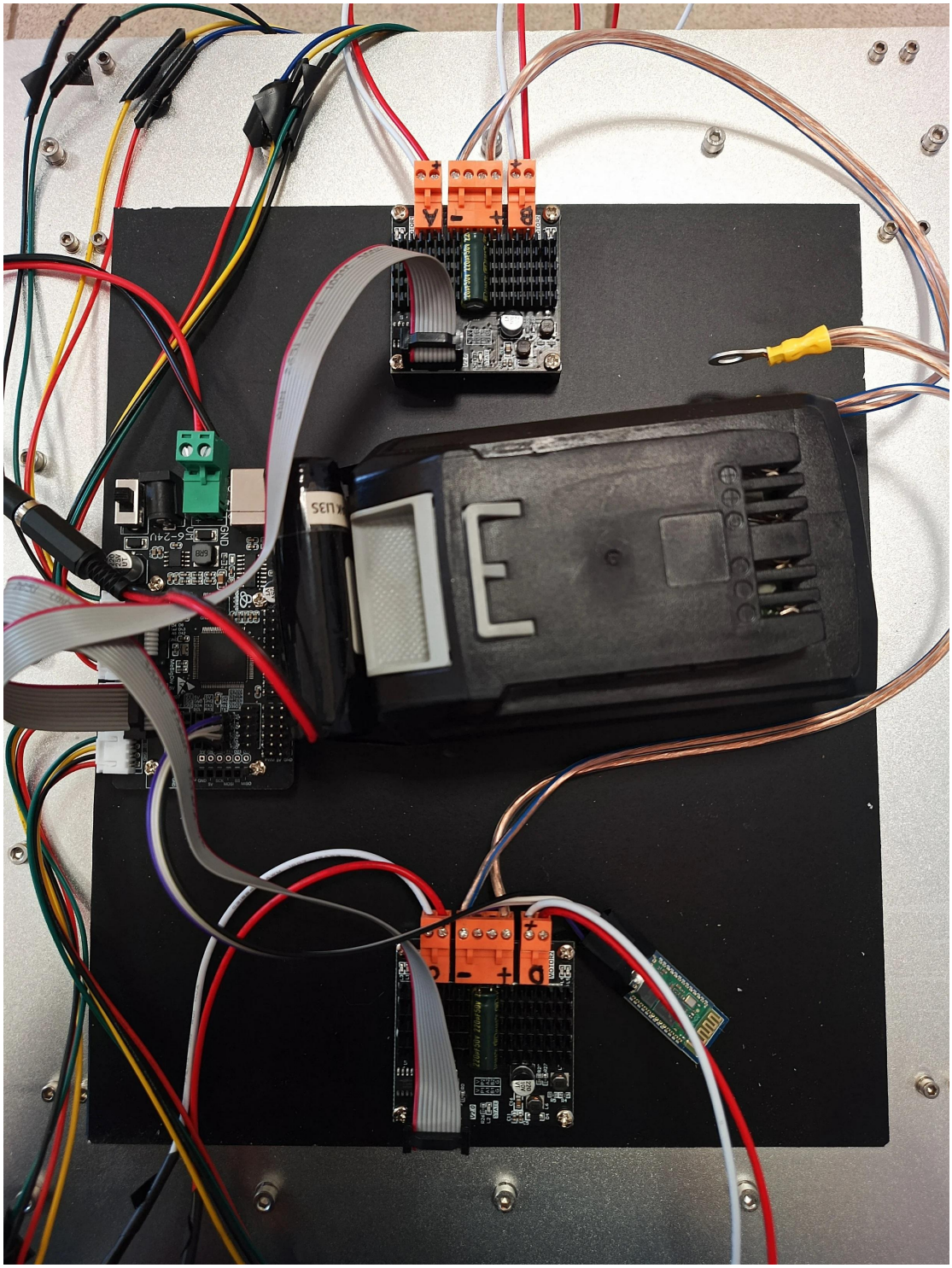
Press and hold L1 and R1 at the same time, up/down push up the left push rod to accelerate forward/backward.

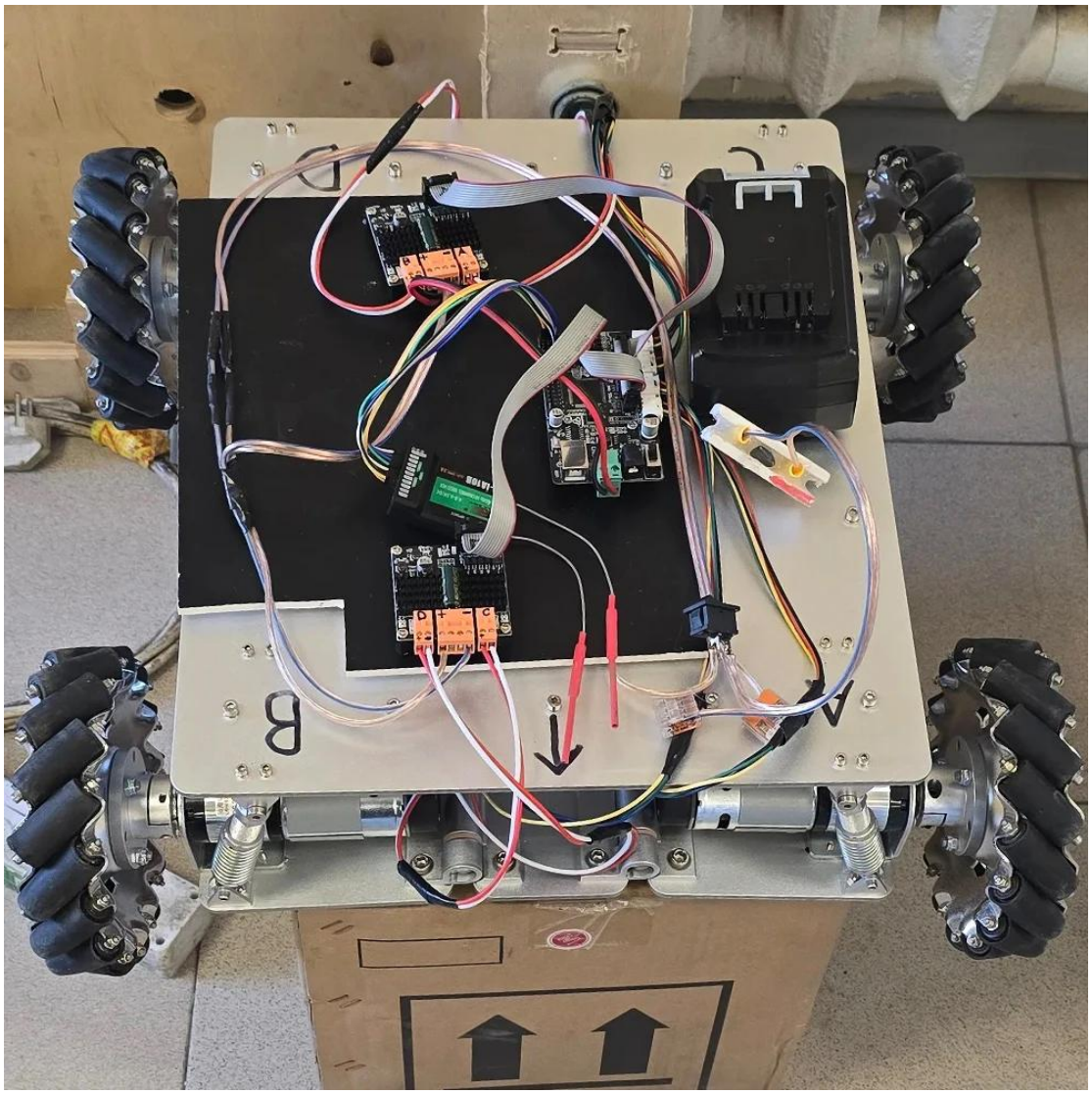
5. Example display.

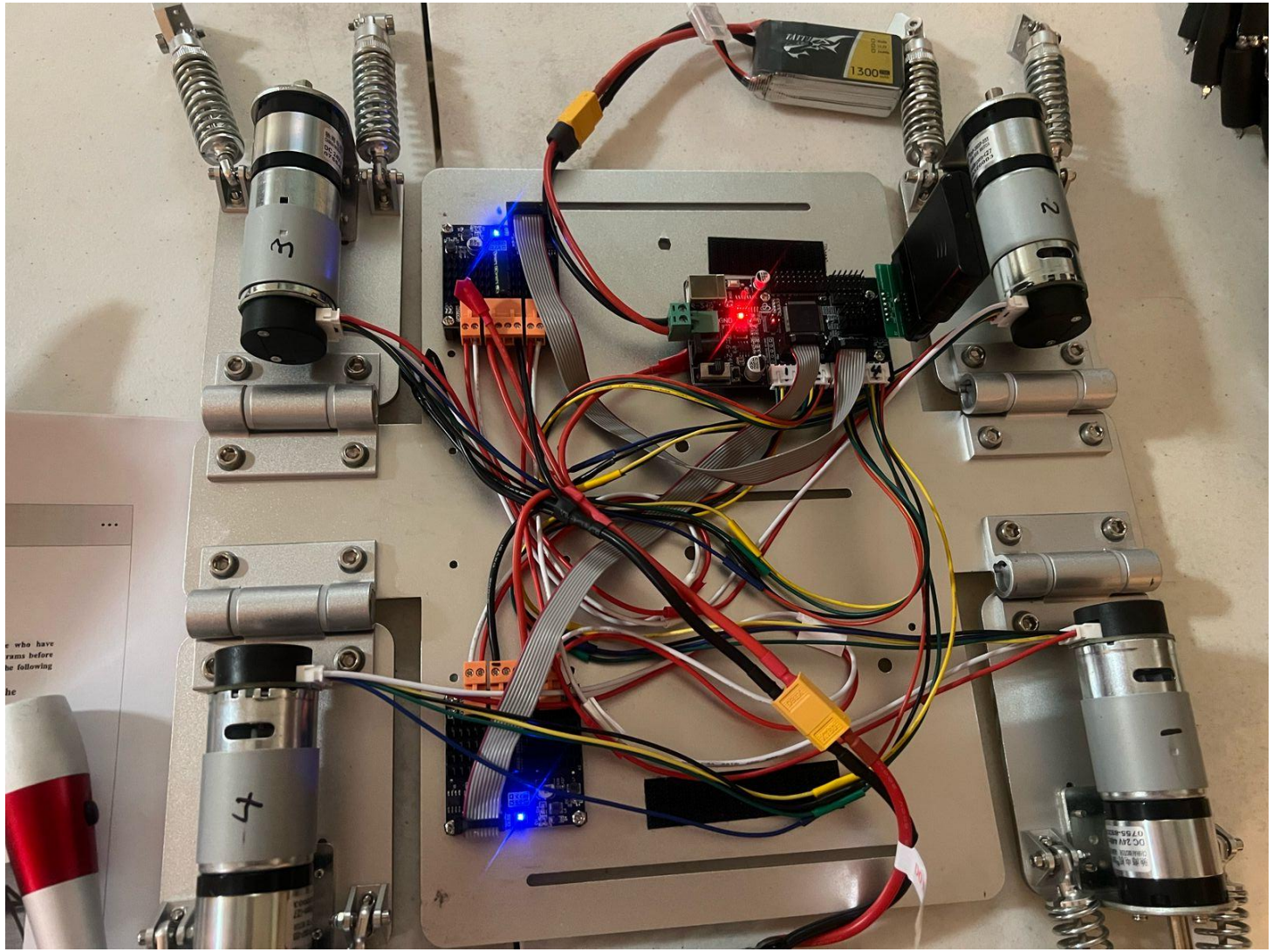
(1) When installing the circuit board on the chassis, the circuit board cannot be directly connected to the metal chassis. It needs to be isolated from the metal plate with copper pillars or other barriers, otherwise it will short circuit.

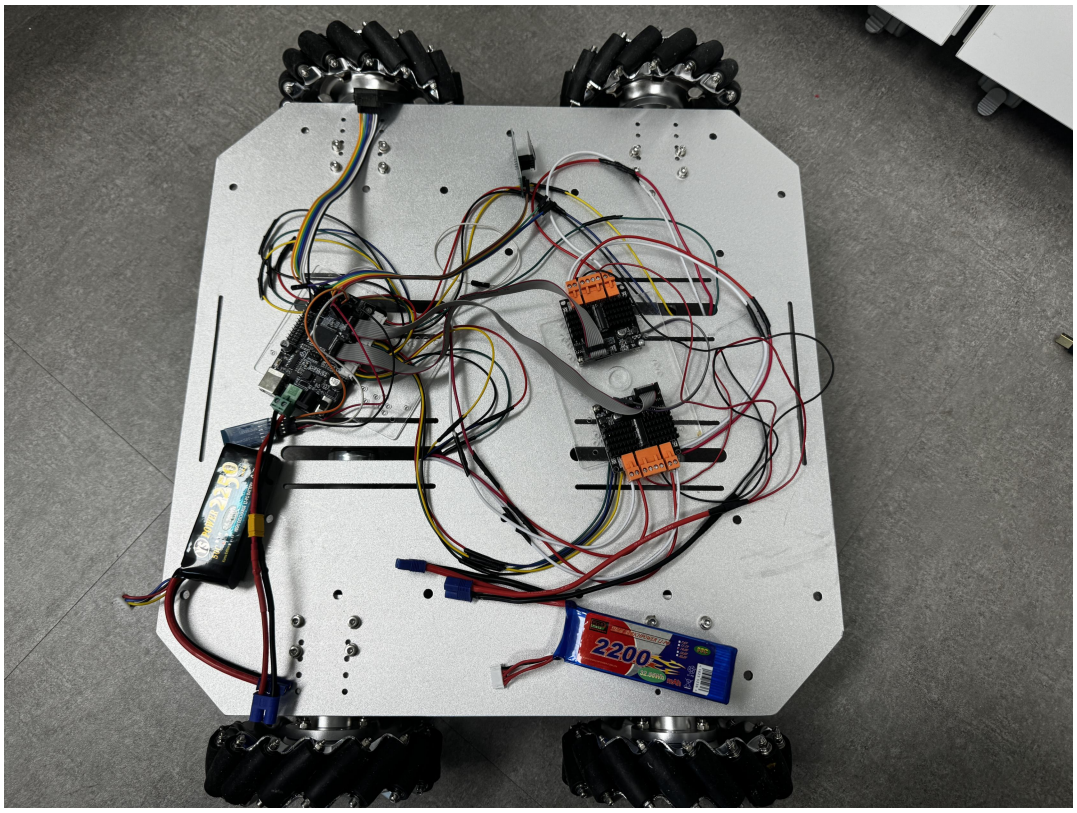
(2) Recommended battery: 24V 6 series lithium battery, do not use 7-series.

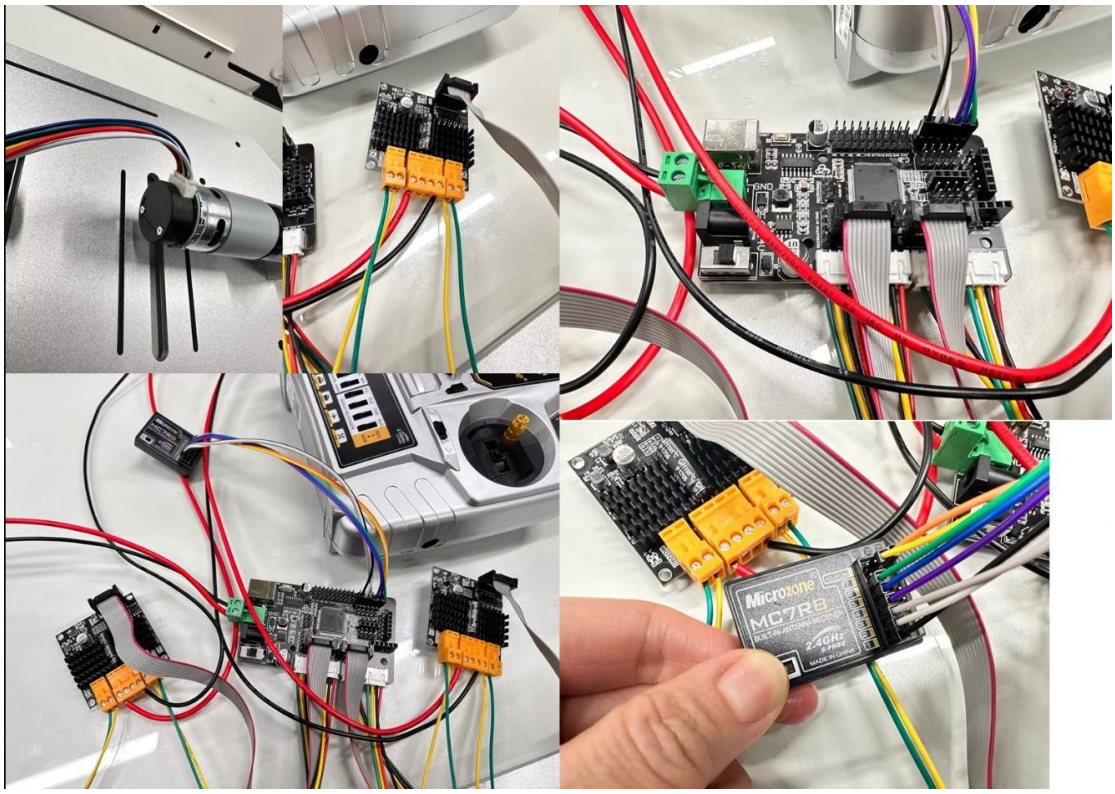
(3)The wiring of the driver board is shown in the following figureThe wiring of the driver board is shown in the following figure (pay attention to the wiring sequence of white and red lines)

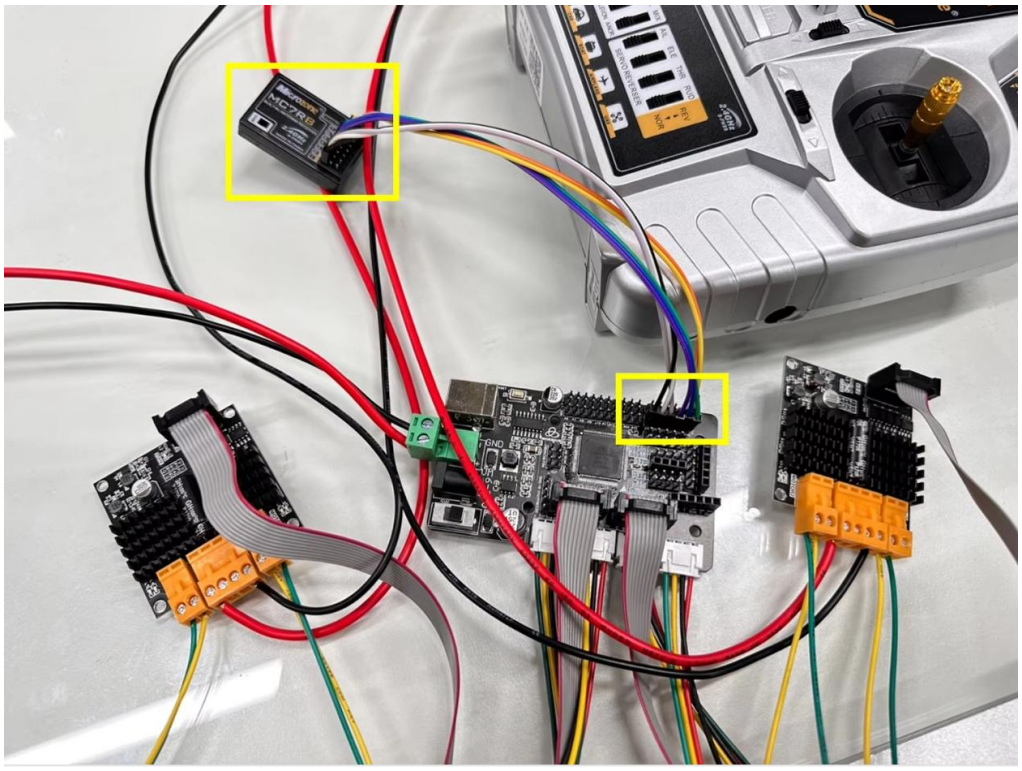





1300
3
2
4


2200


GND
Microzone
MC7RB
2.4GHz


MC7RB
GND