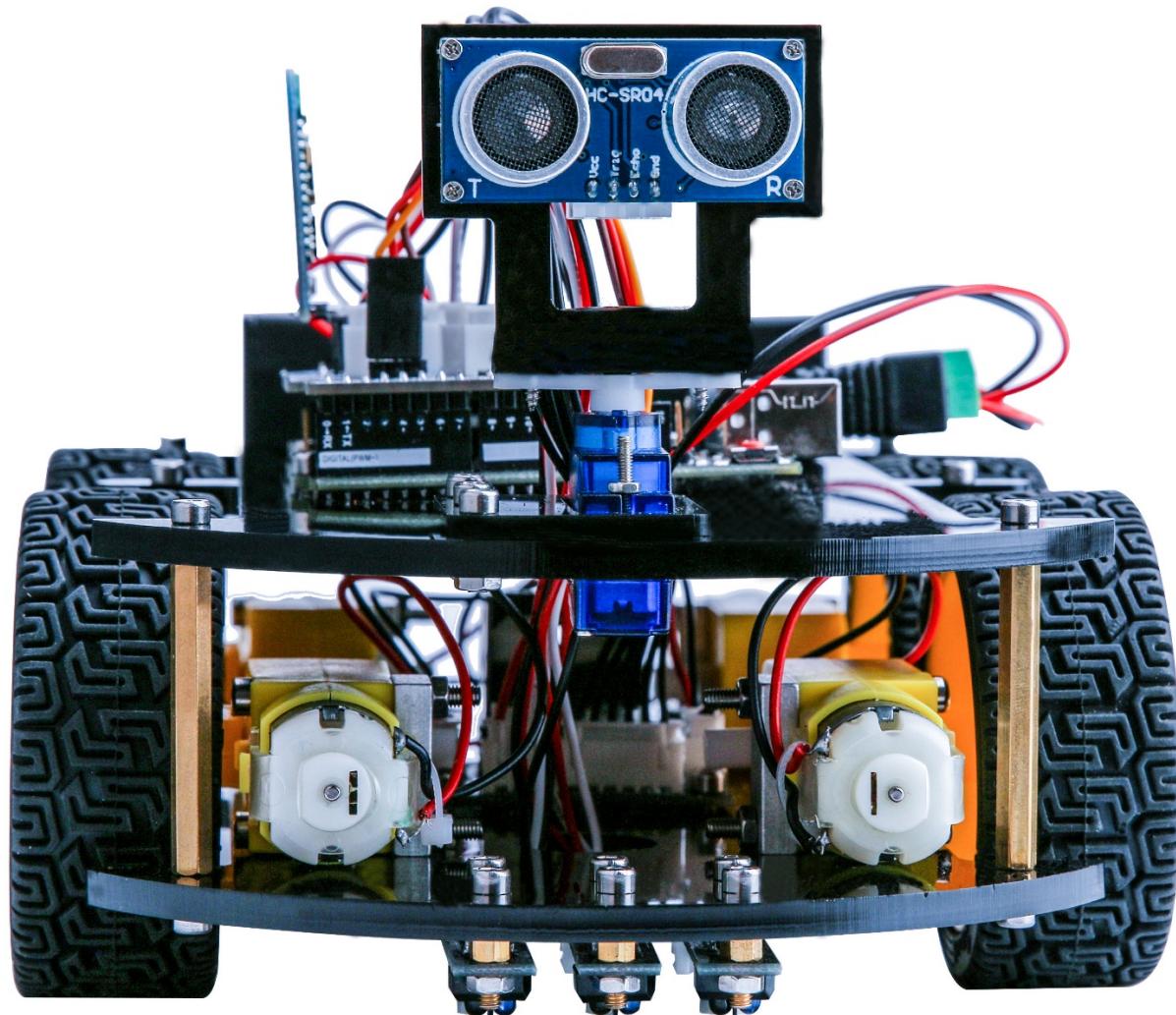


Assemblare il Robot Passo per Passo

**--in Produzione
(La macchina a quattro ruote)**



Prefazione

la nostra societa'

Fondata nel 2011, Elegoo Inc. e' un produttore ed esportatore professionale specializzato nella progettazione, sviluppo , produzione e marketing di Arduino,stampanti 3ds, raspberry pi e STM32. Siamo dislocati a Shenzhen , conosciuta come la Silicon Valley della Cina. Tutti I nostri prodotti soddisfano gli standard di qualita' internazionali e sono molto apprezzati in molti mercati differen in tutto il mondo.

Il nostro sito ufficiale e': [Http://www.elegoo.com](http://www.elegoo.com)

Il nostro negozio amazon Americano e': <http://www.amazon.com/shops/A2WWHQ25ENKVJ1>

Il nostro Tutorial

Questo e' un tutorial per principianti. Nel tutorial potrai apprendere come usare la scheda di controllo Arduino, I sensori ed I componenti. Acquisirai anche la conoscenza di base di tutti I componenti. Se vuoi studiare Arduino sistematicamente, ti consigliamo di acquistare il libro "Arduino Cookbook" scritto da Michael Margolis.

Questo Tutorial

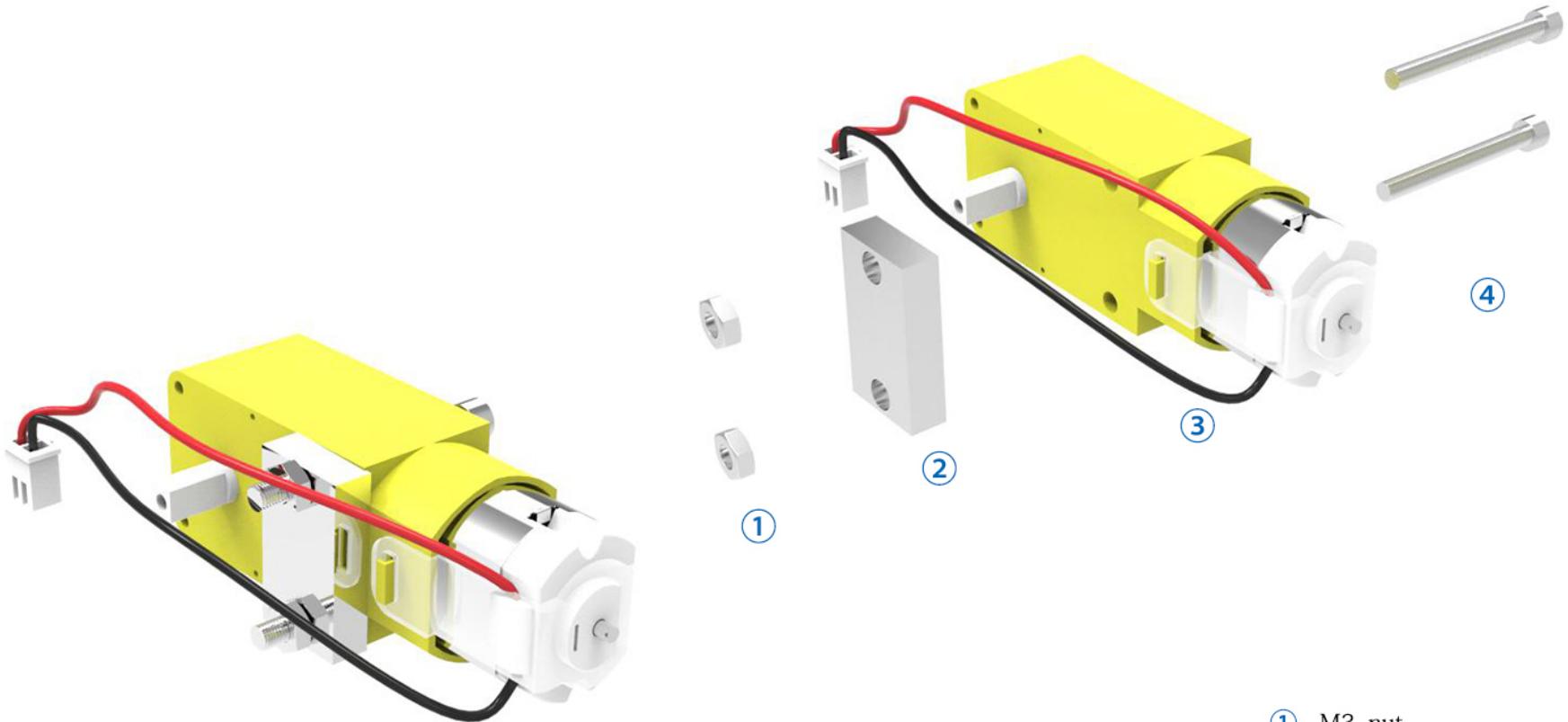
Qusto tutorial ti mostrara' come assemblare la macchina e ti dara' il programma di base per utilizzare tutte le funzioni.

Se vuoi apprendere ulteriori cose, oltre a quelle contenute nel Tutorial, Google sara' un ottimo posto per imparare.

Il nostro servizio post-vendita

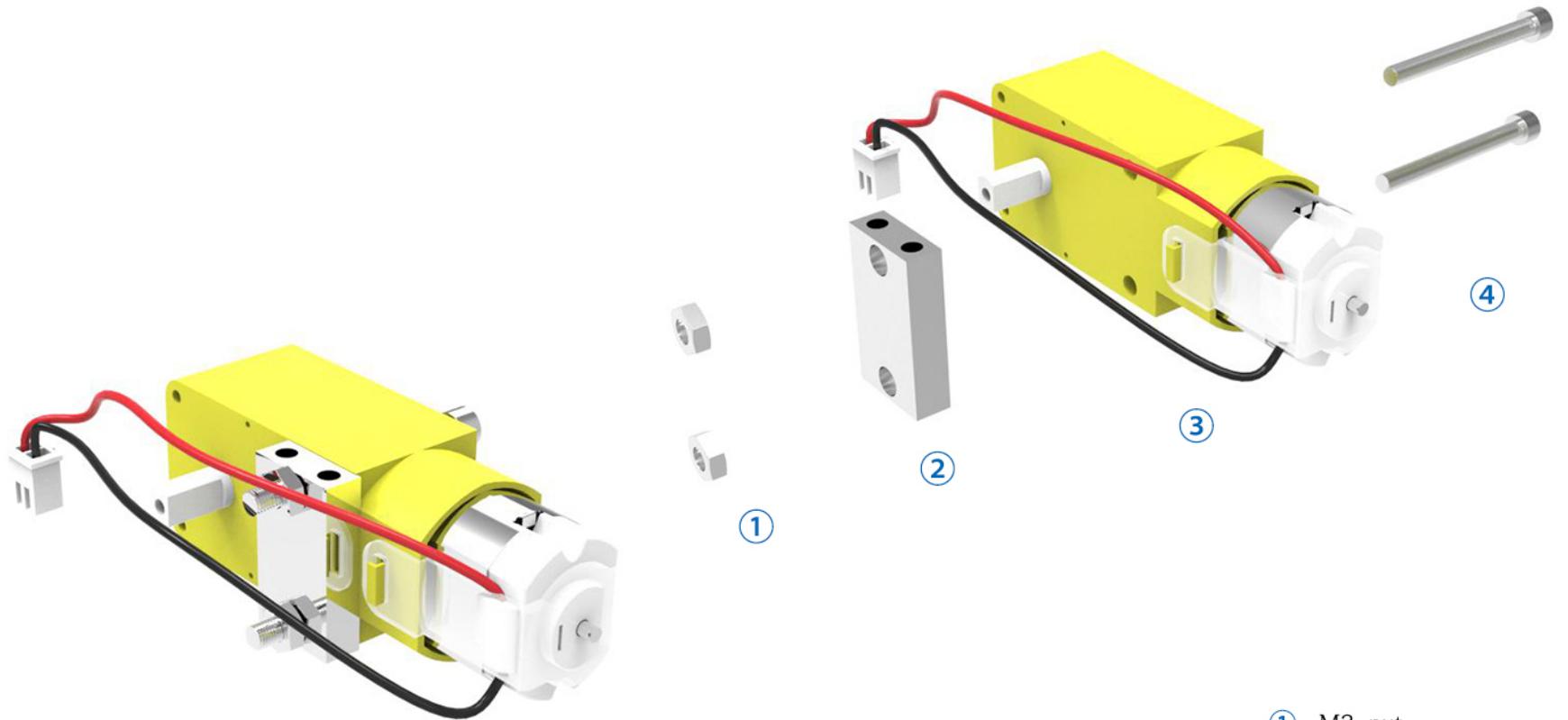
Se hai qualunque domanda o suggerimento riguardo la nostra societa', I prodotti o il tutorial, puoi contattarci ai seguenti indirizzi e-mail: service@elegoo.com (clienti US and CA) o EUservice@elegoo.com (clienti Europei)

Noi apprezziamo tutte le critiche costruttive e faremo del nostro meglio per corrispondere alle aspettative di tutti I clienti.



Pay attention: Two of the motors are assembled as above.

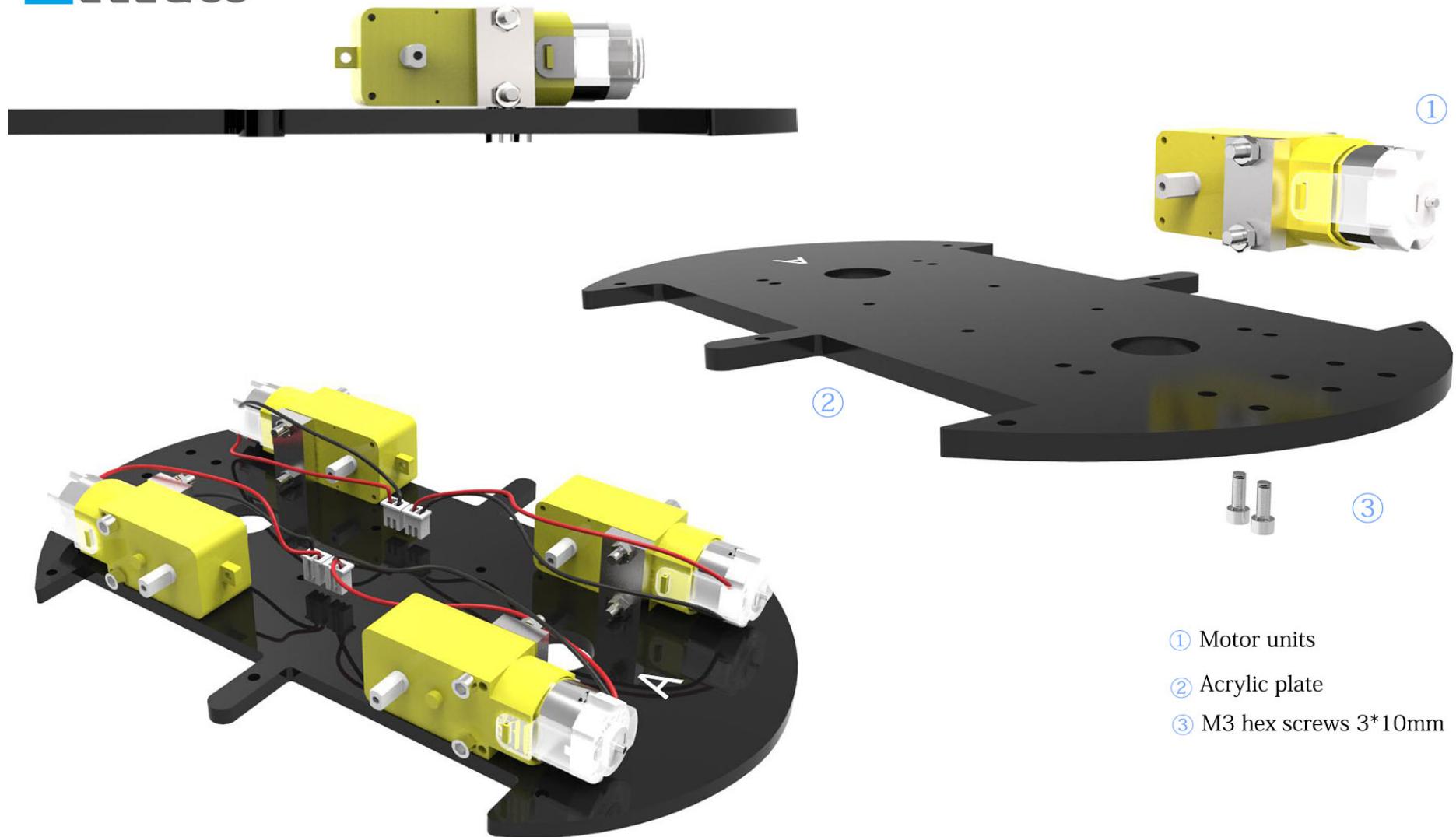
- ① M3 nut
- ② Aluminium Block
- ③ DC speed motor
- ④ M3 hex screws 3*30mm



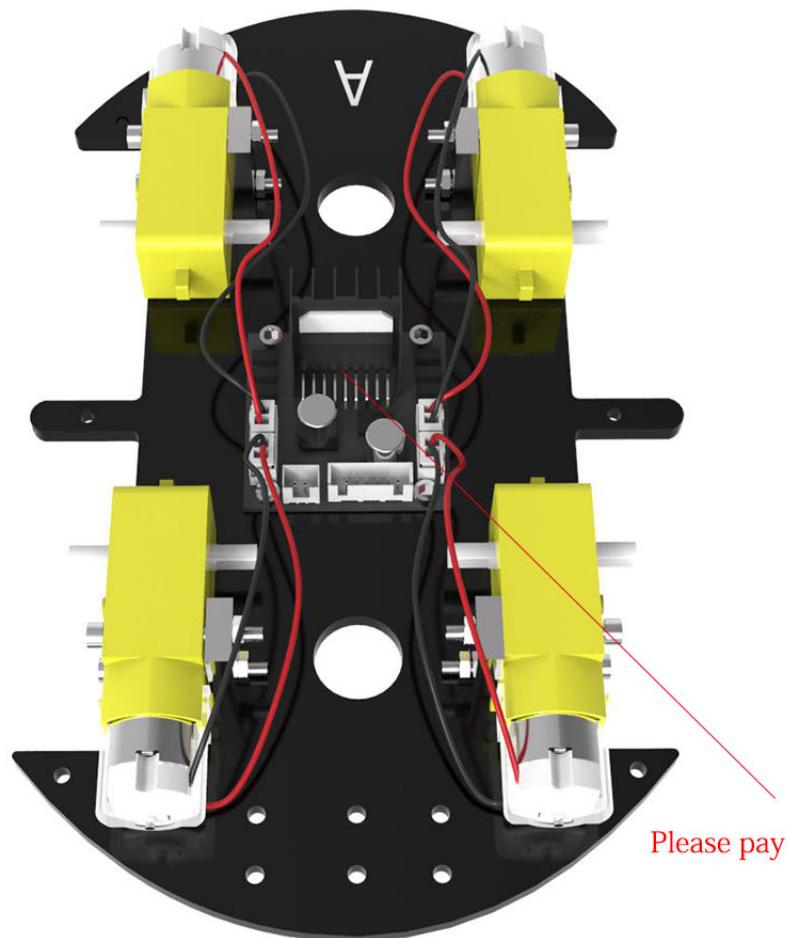
Pay attention: Two of the motors are assembled as above.

- ① M3 nut
- ② Aluminium Block
- ③ DC speed motor
- ④ M3 hex screws 3*30mm

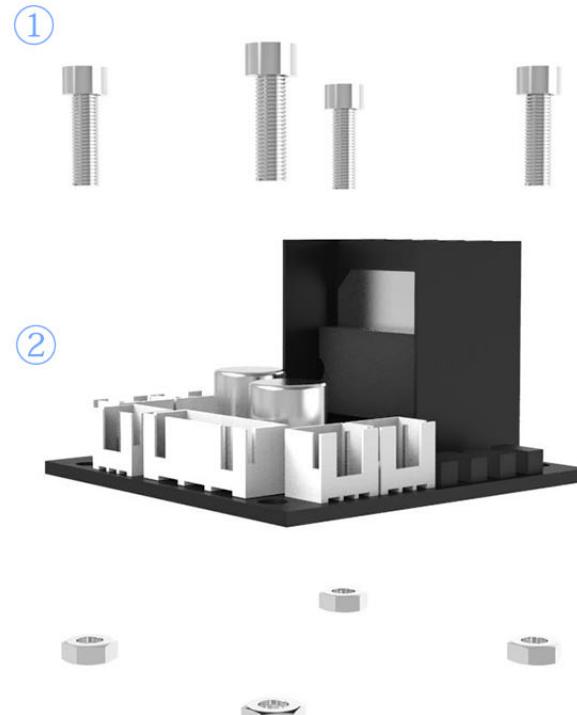
ELEGOO



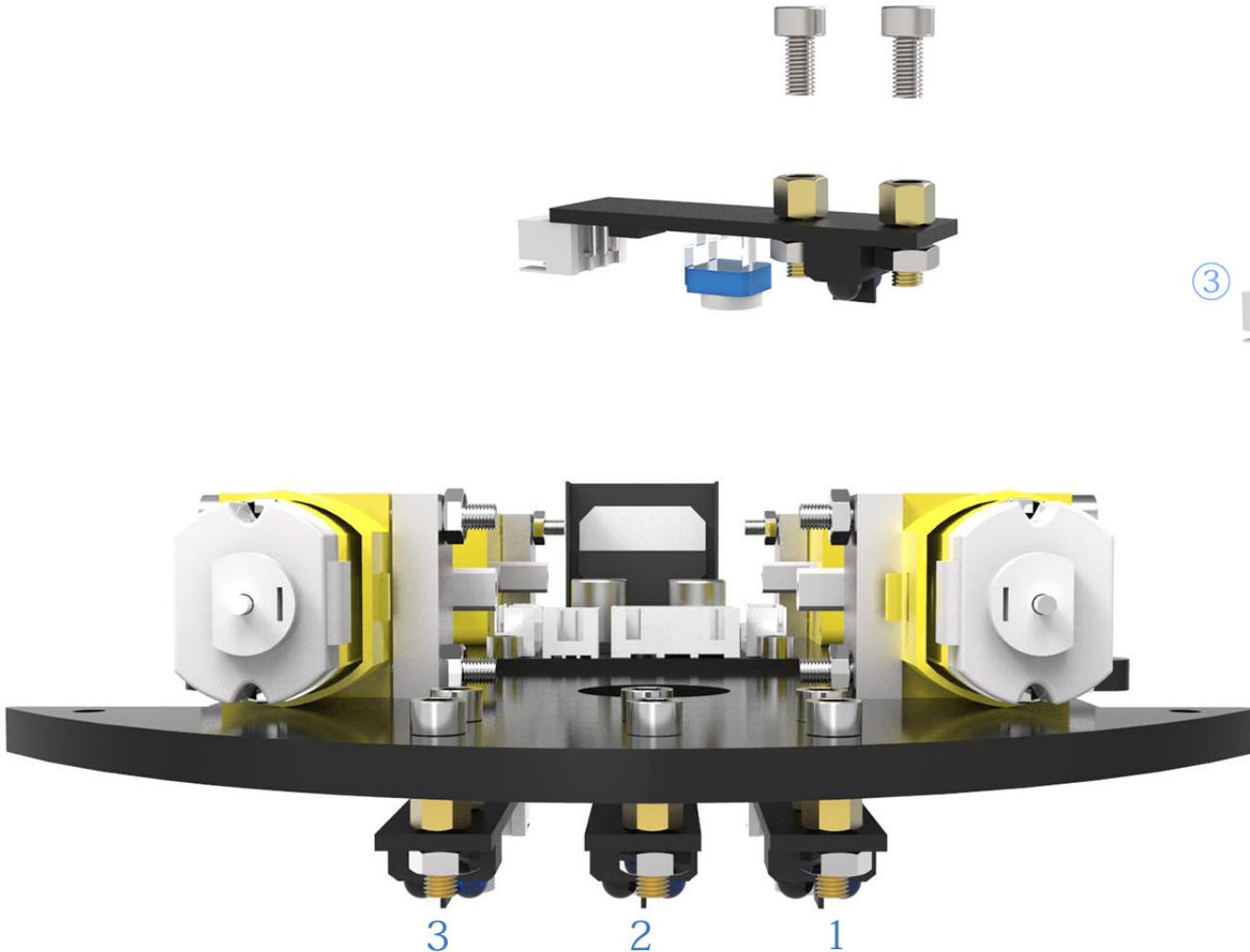
- ① Motor units
- ② Acrylic plate
- ③ M3 hex screws 3*10mm



Please pay attention to the direction of L298N module.



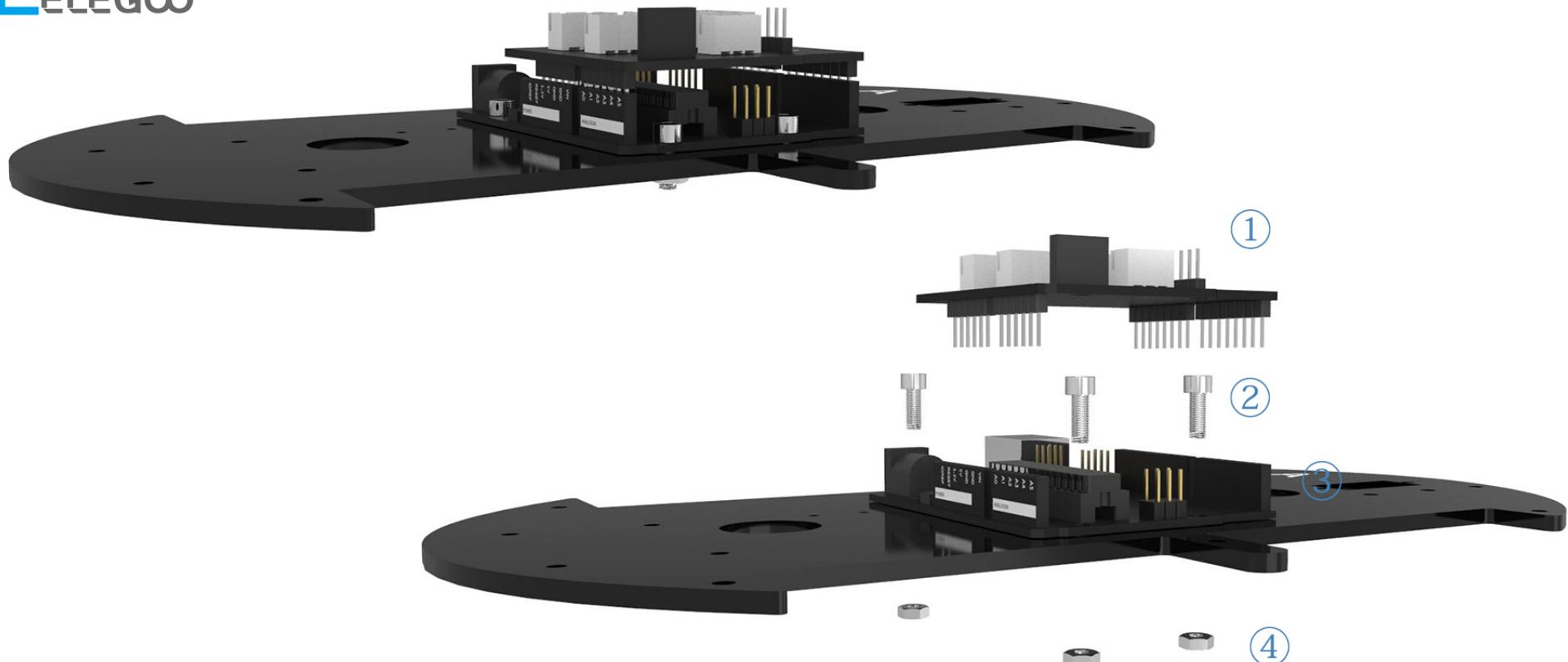
- ① M3 hex screws 3*12mm
- ② L298N
- ③ M3 nut



- ① M3 hex screws 3*7mm
- ② 3*4+6 copper
- ③ Line tracking module
- ④ M3 nut

Please be noted to assemble them as above.

ELEGOO



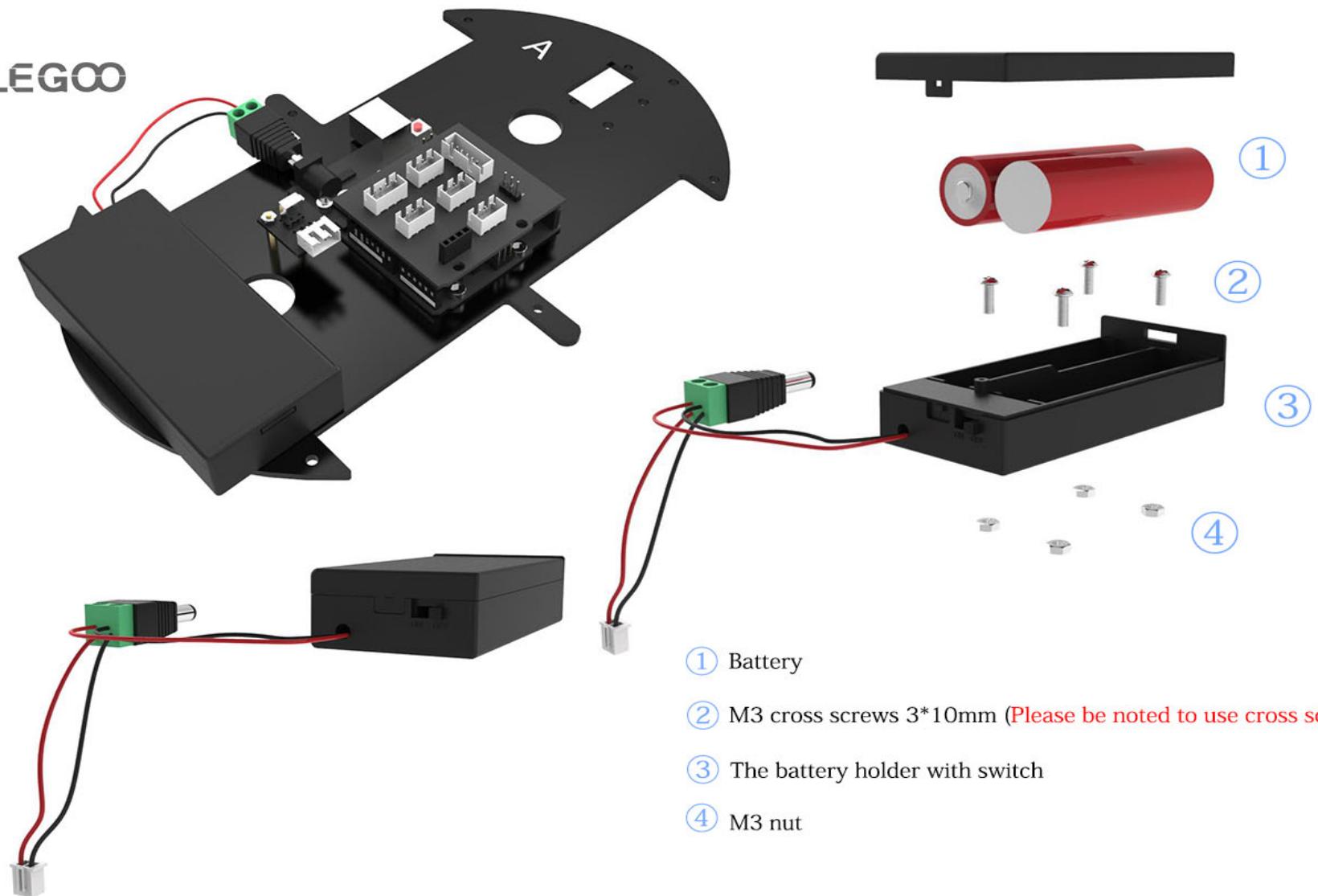
- ① Sensor board V5.0
- ② M3 hex screws 3*12mm
- ③ UNO R3 board
- ④ M3 nut

ELEGOO



- ① M2 nut
- ② Infrared receiver module
- ③ 2*15+4 copper
- ④ M2 cross screws 2*10mm

ELEGOO

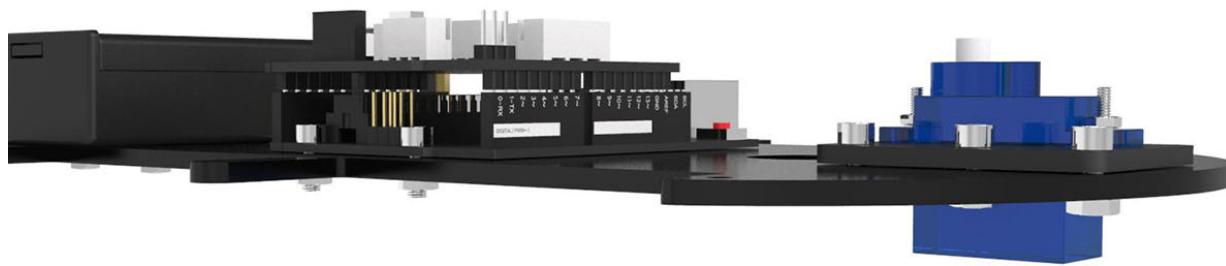


① Battery

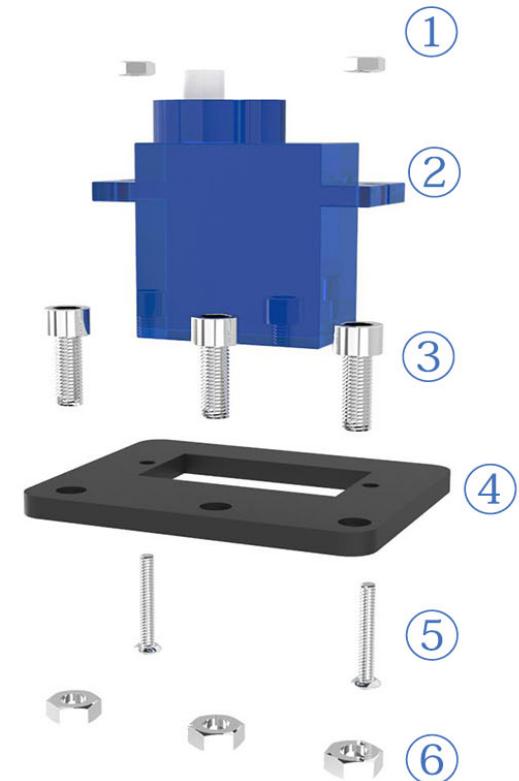
② M3 cross screws 3*10mm (**Please be noted to use cross screws**)

③ The battery holder with switch

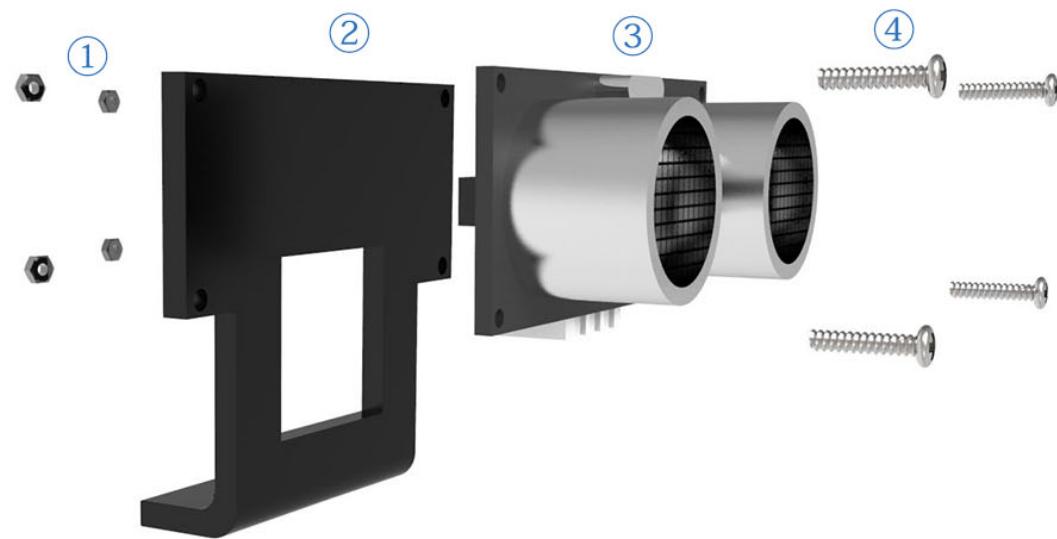
④ M3 nut



- ① M2 nut
- ② SG90
- ③ M3 hex screws 3*10mm
- ④ Holder board
- ⑤ M2 cross screws 2*10mm
- ⑥ M3 nut



ELEGOO



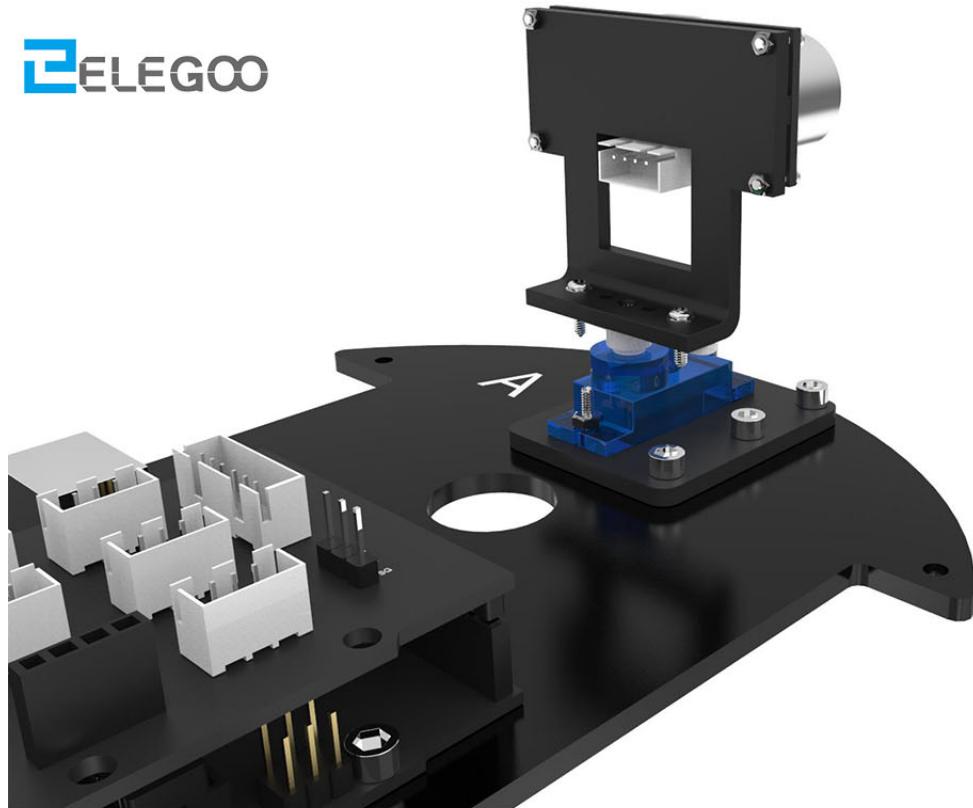
① M1.6 nut

② The acrylic ultrasonic pan-tilt holder

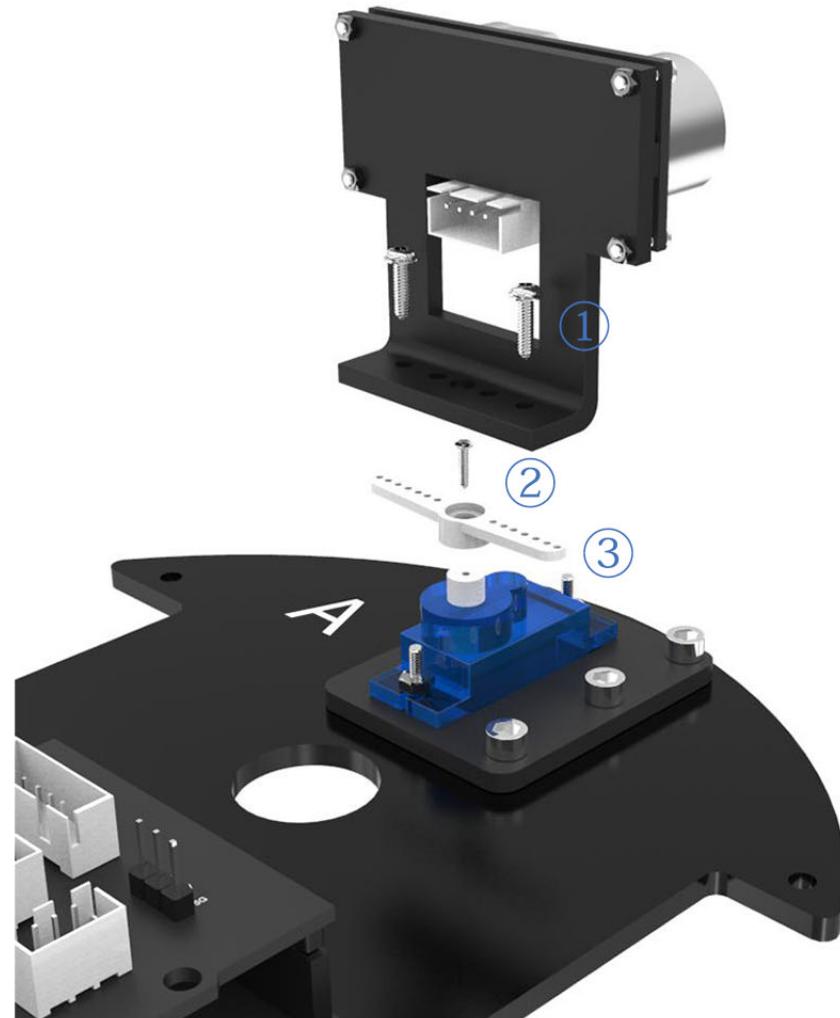
③ The ultrasonic module

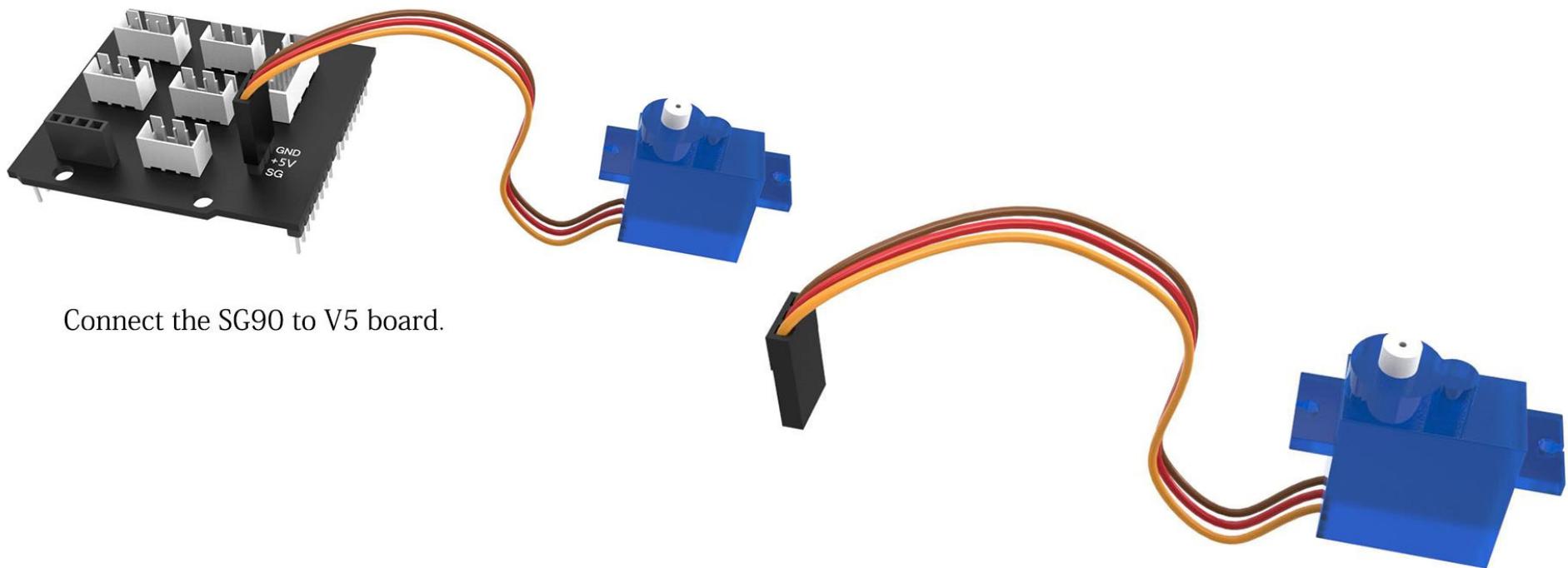
④ M1.6 cross screws 1.6*8mm

ELEGOO



- ① Self-tapping screw
- ② Mini self-tapping screw
- ③ Fastening board

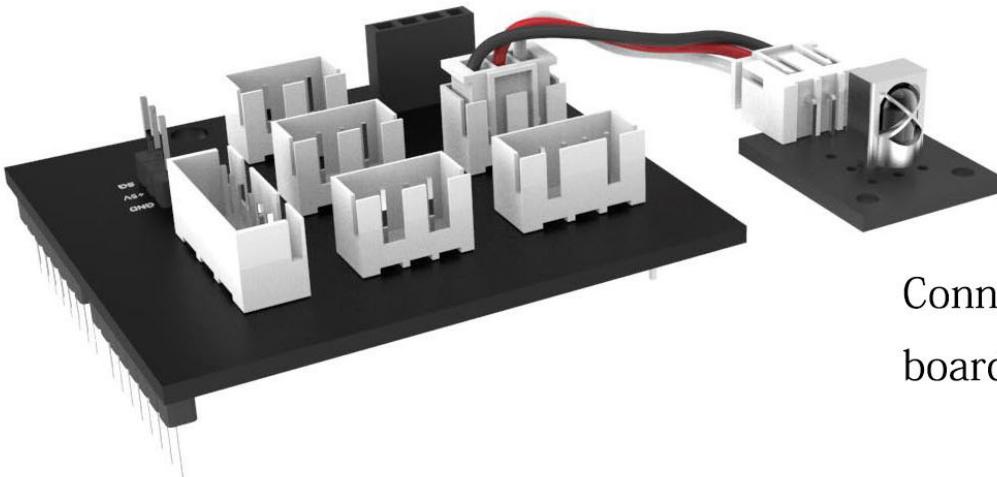




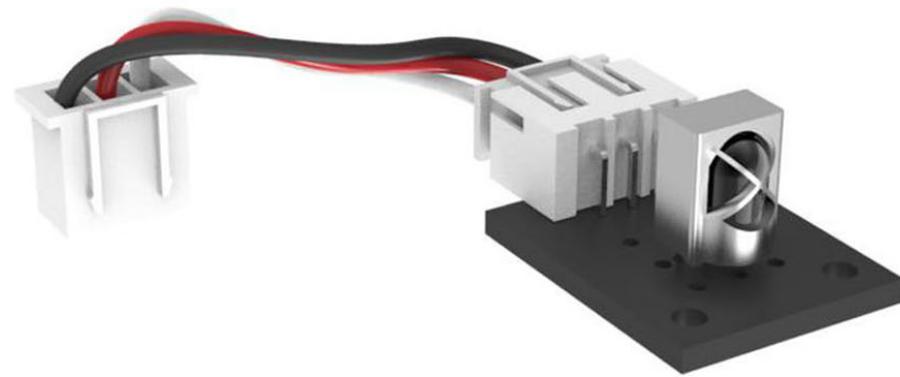
Connect the SG90 to V5 board.



Connect The IR Module to V5 Board.

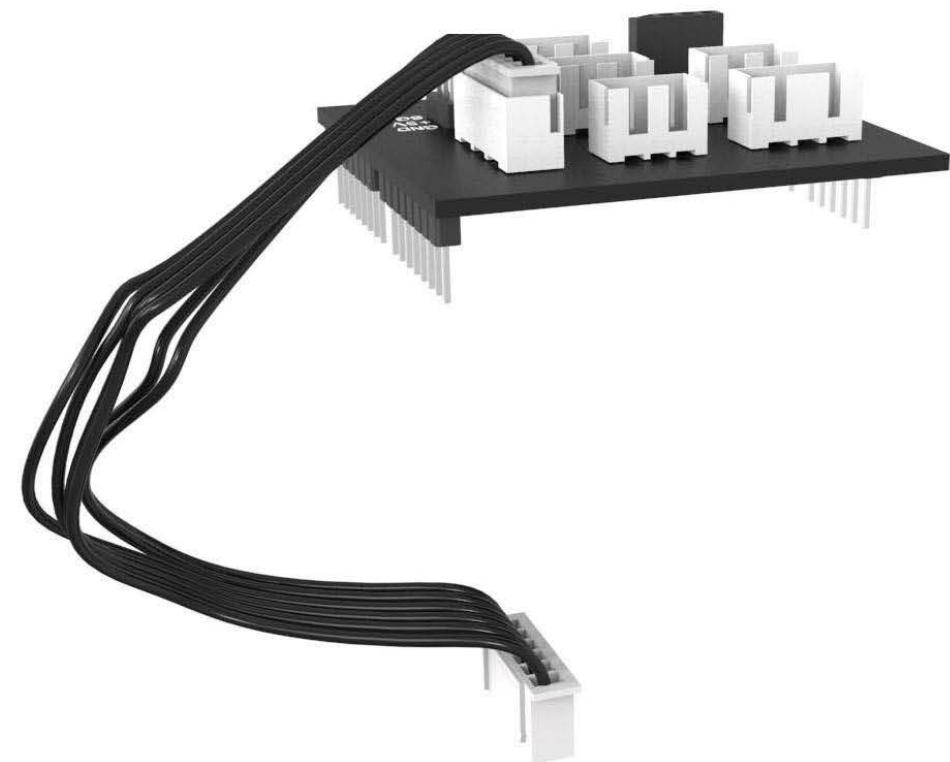
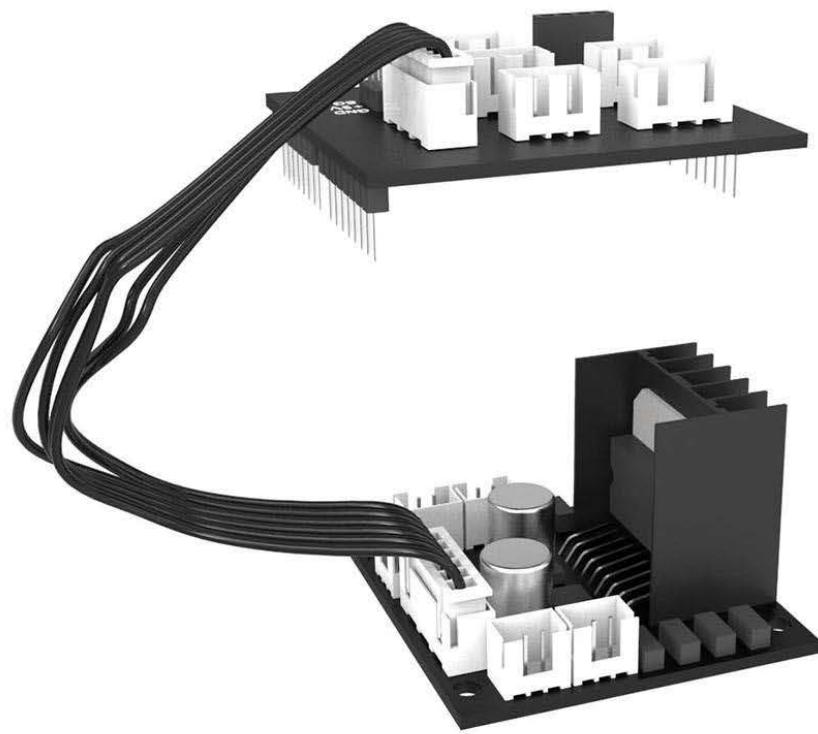


Connect the infrared receiver module to the expansion board with the DuPont lines.





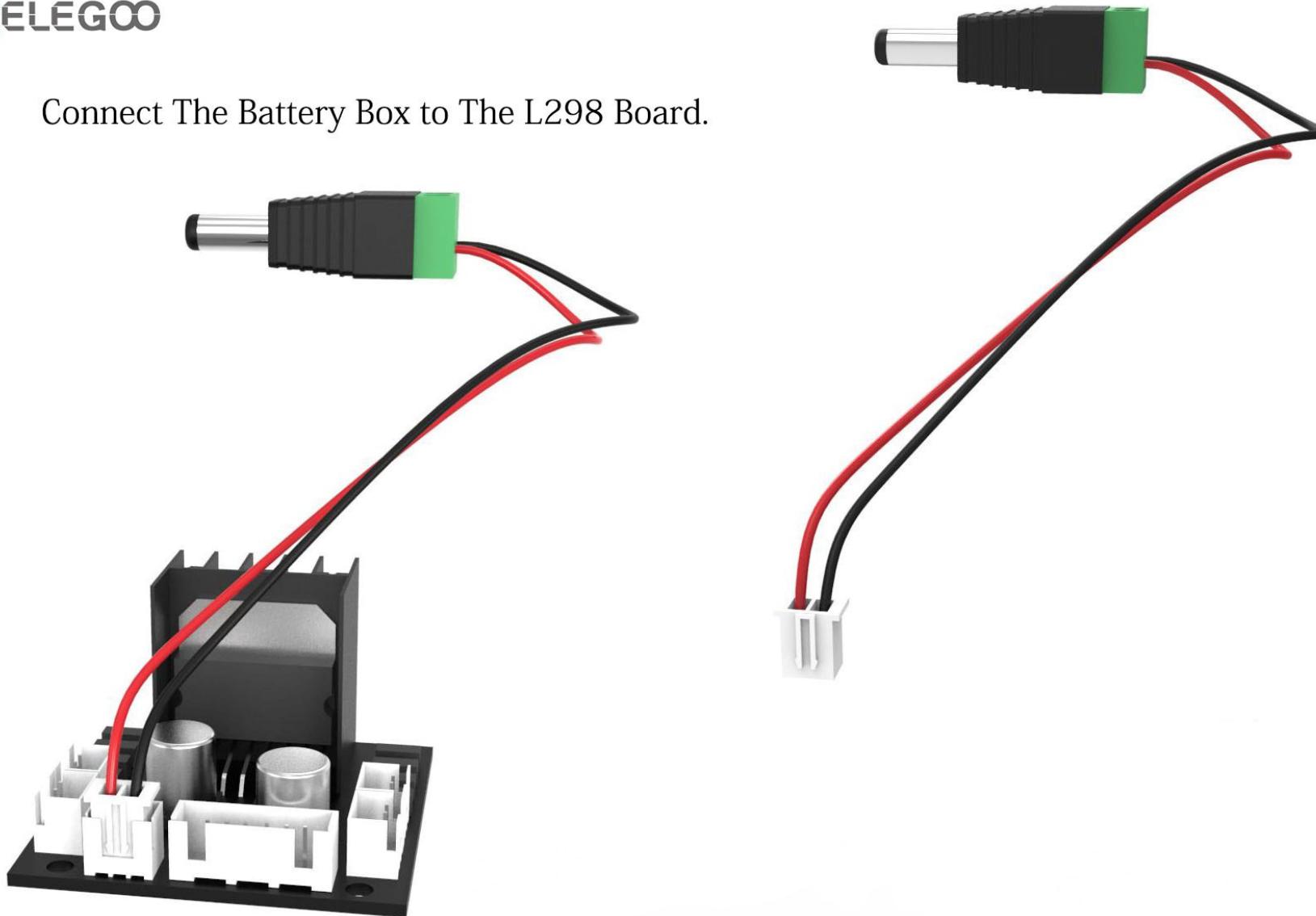
Connect The Ultrasonic Sensor Module to V5 Board.

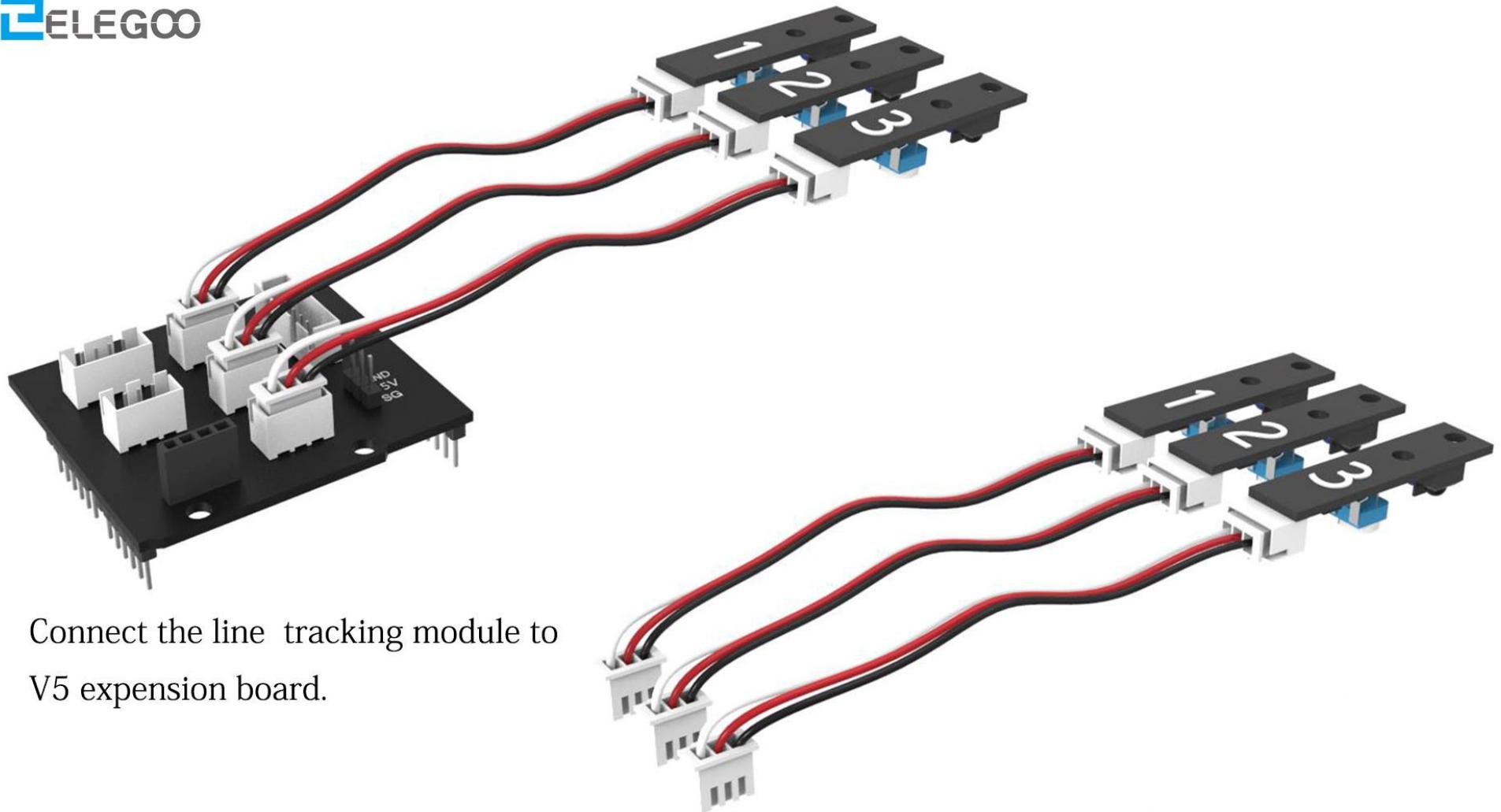


Connect the L298N board to V5 board.



Connect The Battery Box to The L298 Board.





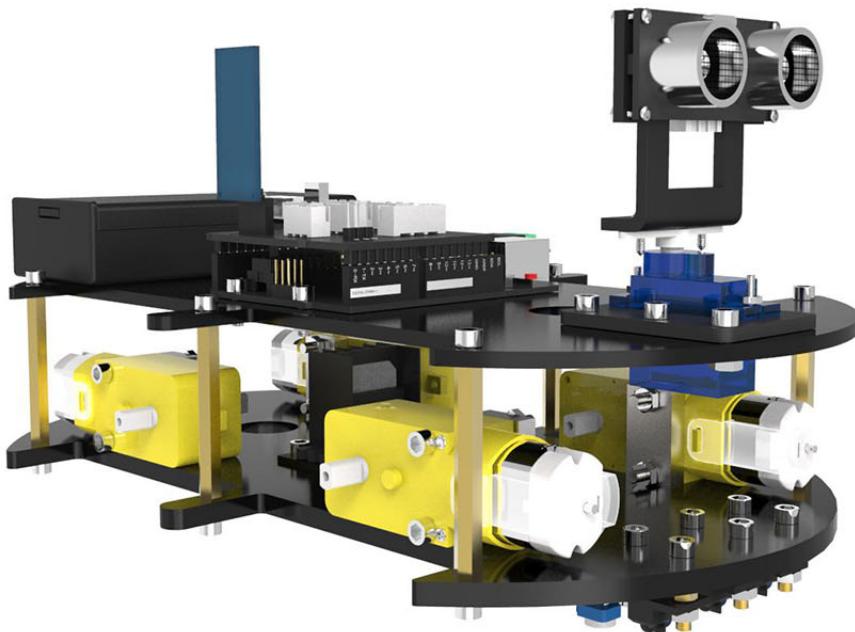
Connect the line tracking module to
V5 expansion board.



① bluetooth module

Attention: The bluetooth module should be pulled out before you upload the program every time, or it will be failed to upload the program.

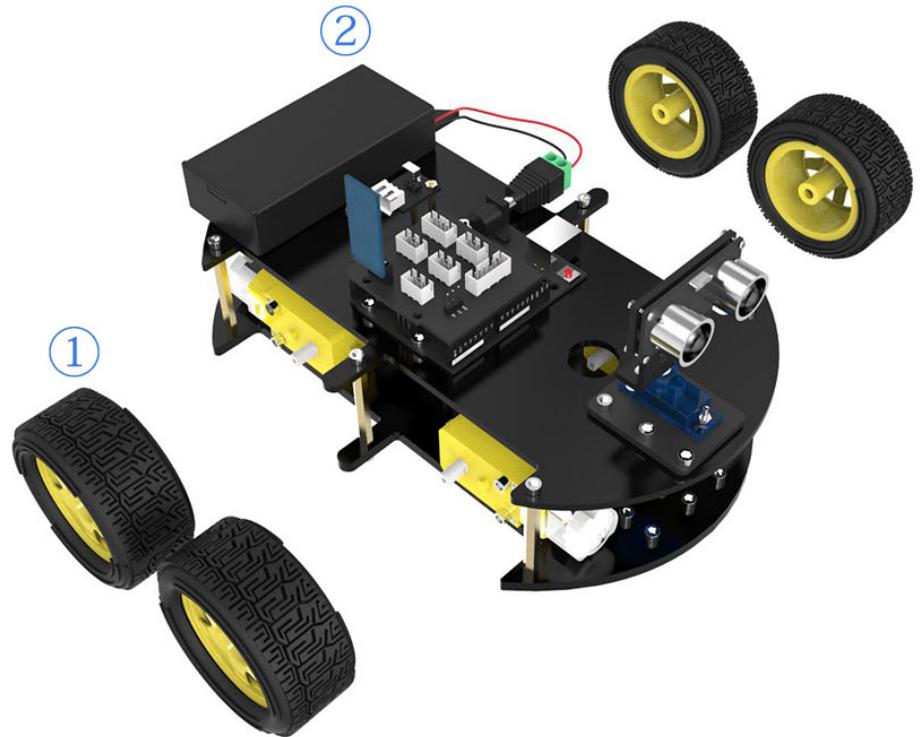
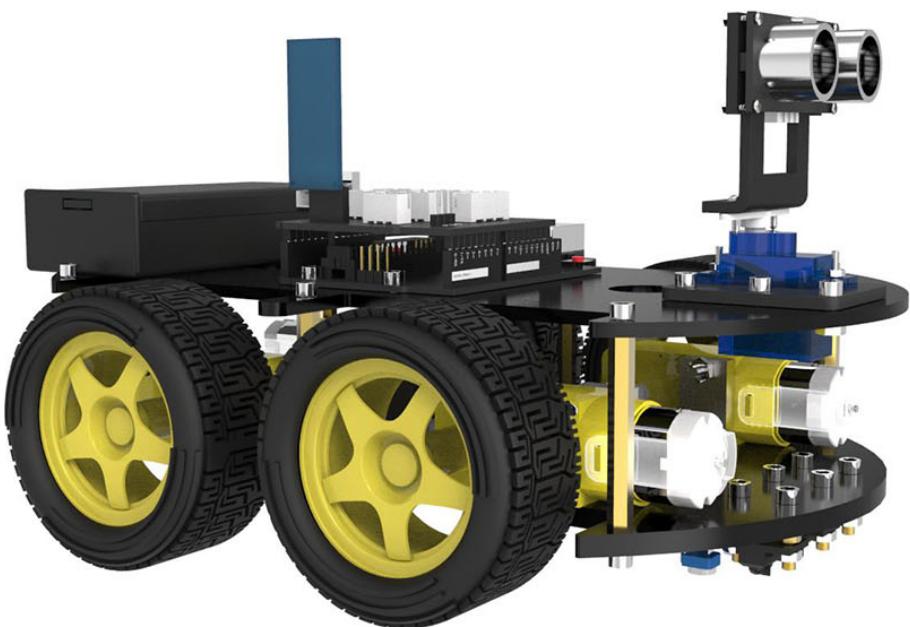
ELEGOO



① 3*40 copper column

② M3 hex screws 3*10mm

ELEGOO



① Tires

② The main body

3、Sommario

Questo tutorial e' stato pensato per rendere piu' semplice assemblare la macchina, se avrai difficolta' o hai suggerimenti riguardo il tutorial o la macchina robot sentiti libero di contattarci a: service@elegoo.com (clienti US e CA) o EUservice@elegoo.com per i clienti Europei).

Dopo aver assemblato e connesso tutti i componenti, sara' necessario impostare alcuni programmi base della macchina, impareremo a farlo nella prossima lezione.