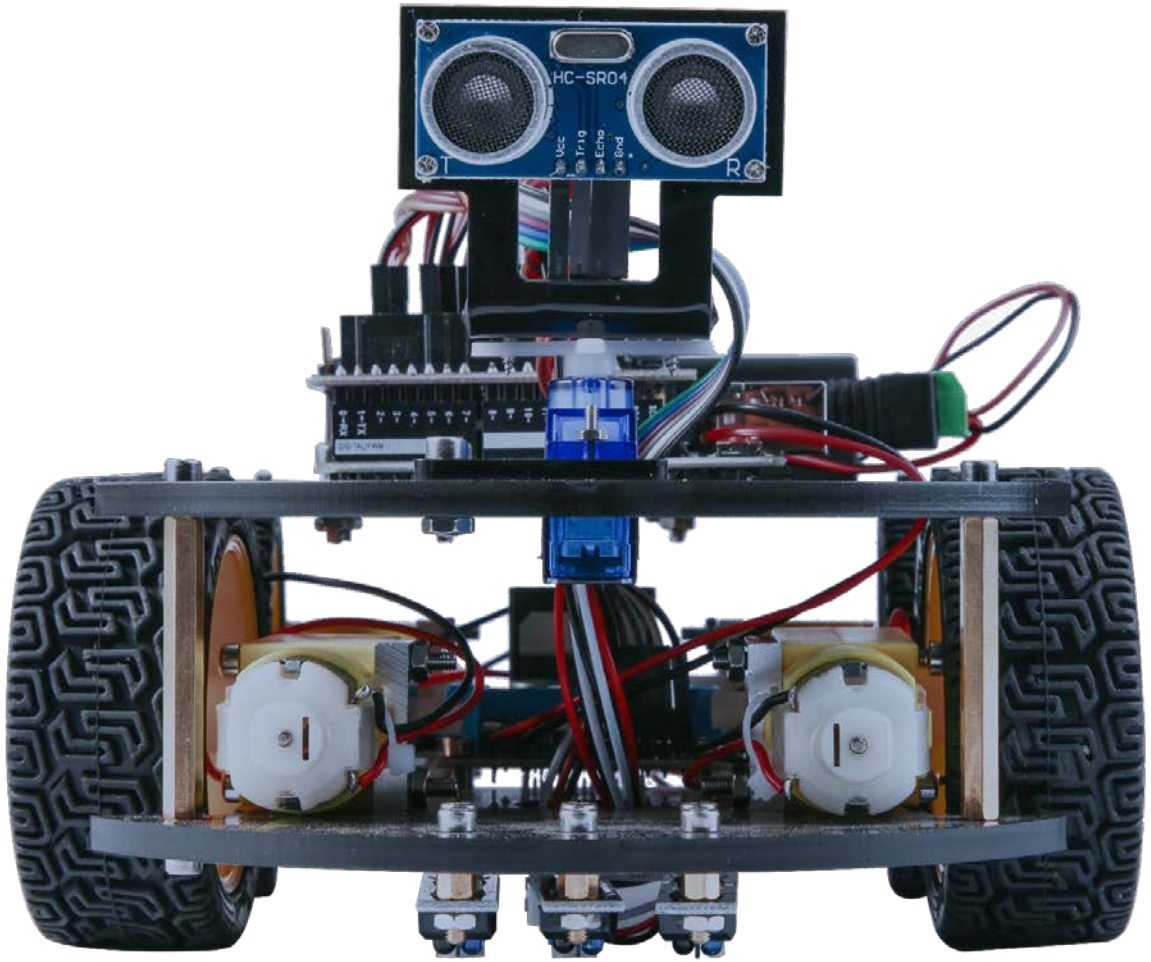
Assemblare il Robot Passo per Passo

--in Produzione

(La macchina a quattro ruote)


HC-SR04
Vcc
Trig
Echo
Gnd
T
R

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

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.

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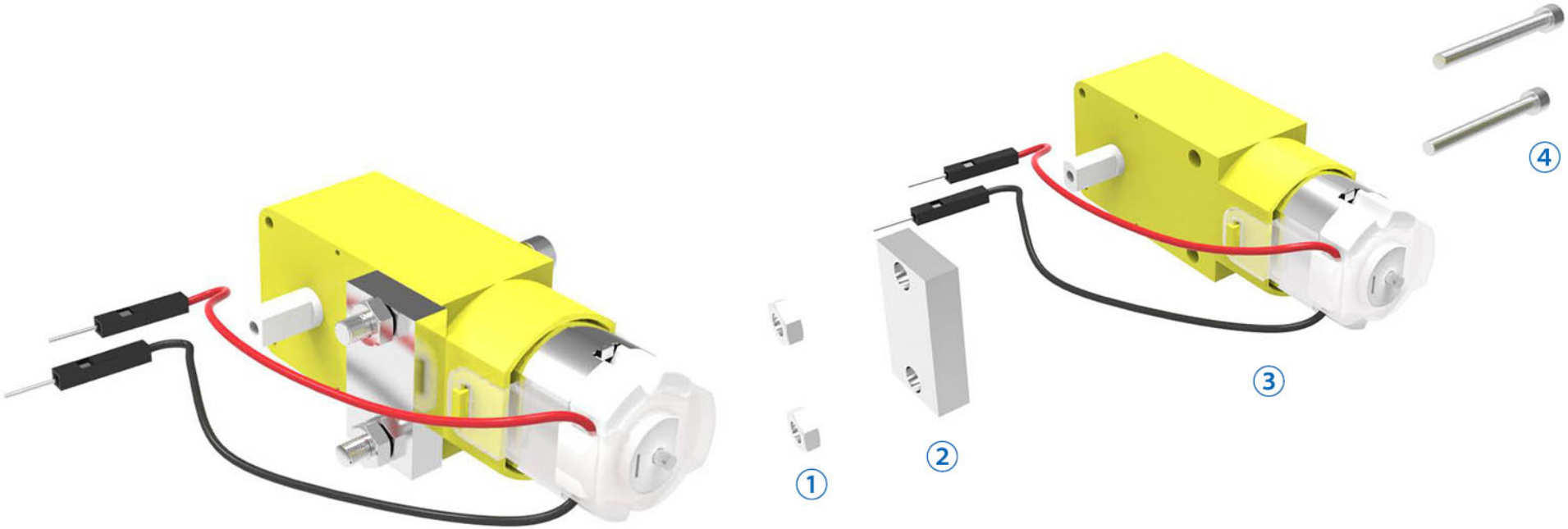
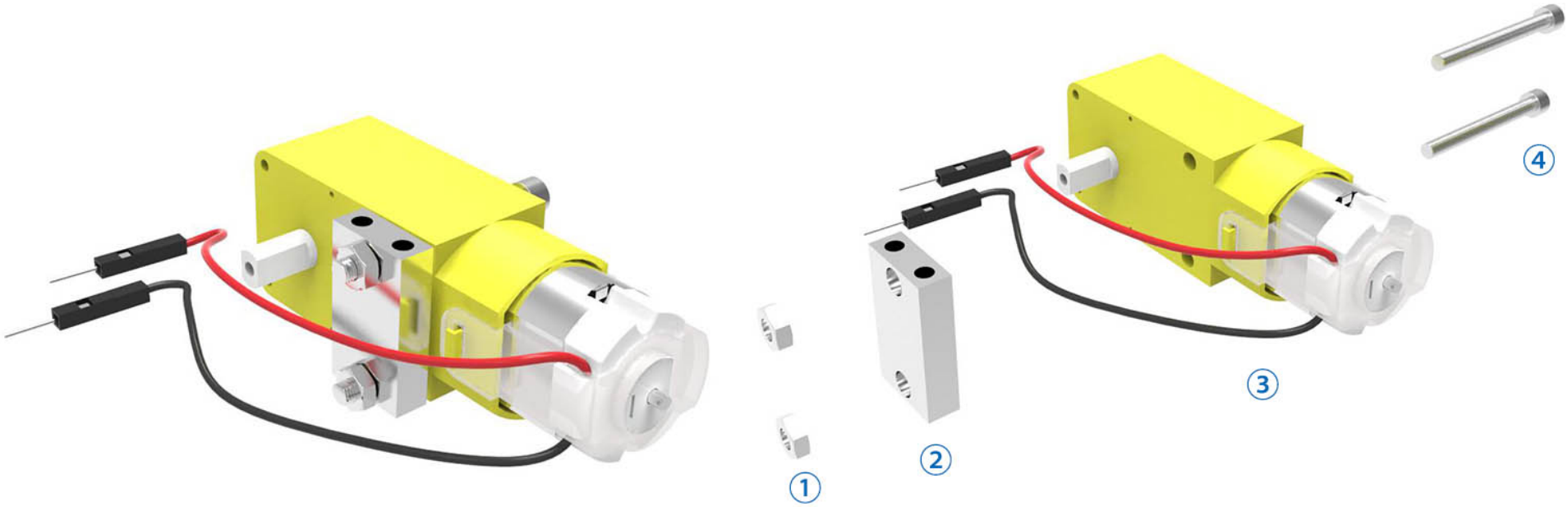


① M3 nut

② Aluminium Block

③ DC speed motor

④ M3 hex screws 3*30mm

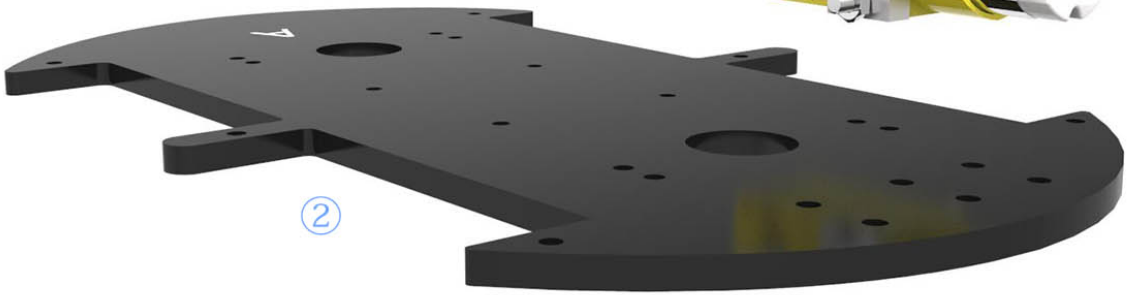


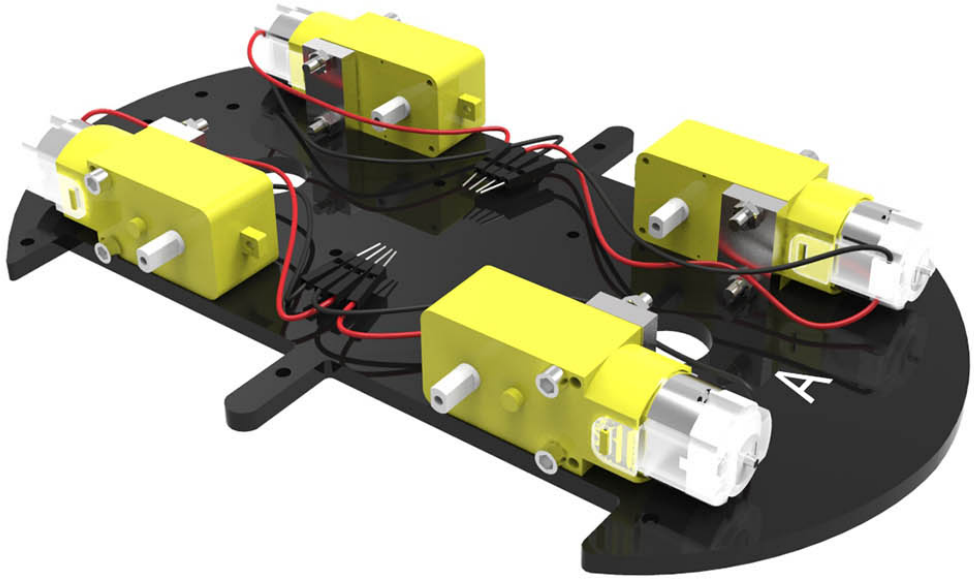
① M3 nut

② Aluminium Block

③ DC speed motor

④ M3 hex screws 3*30mm

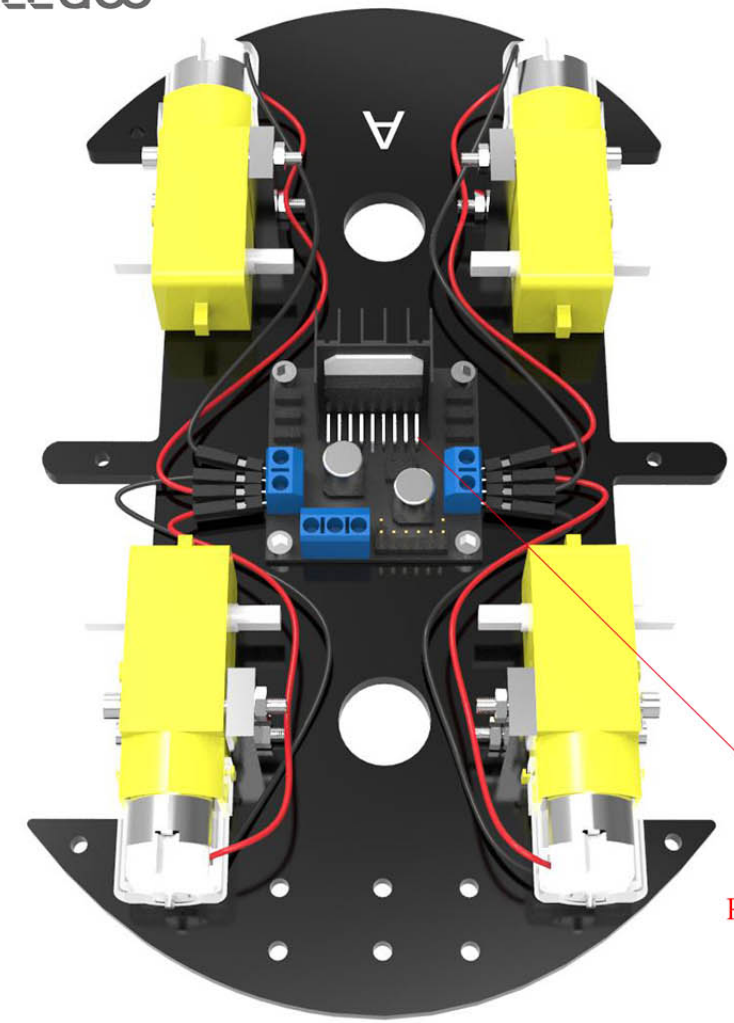


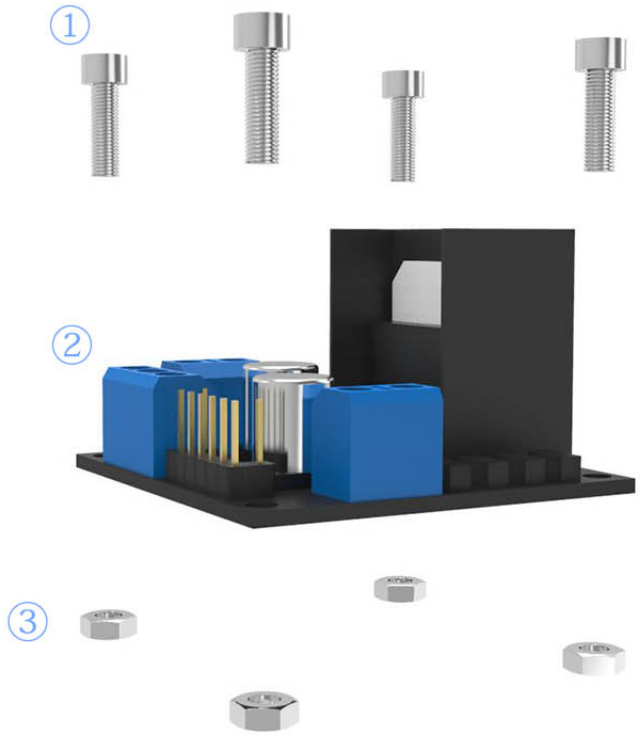


① Motor units

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

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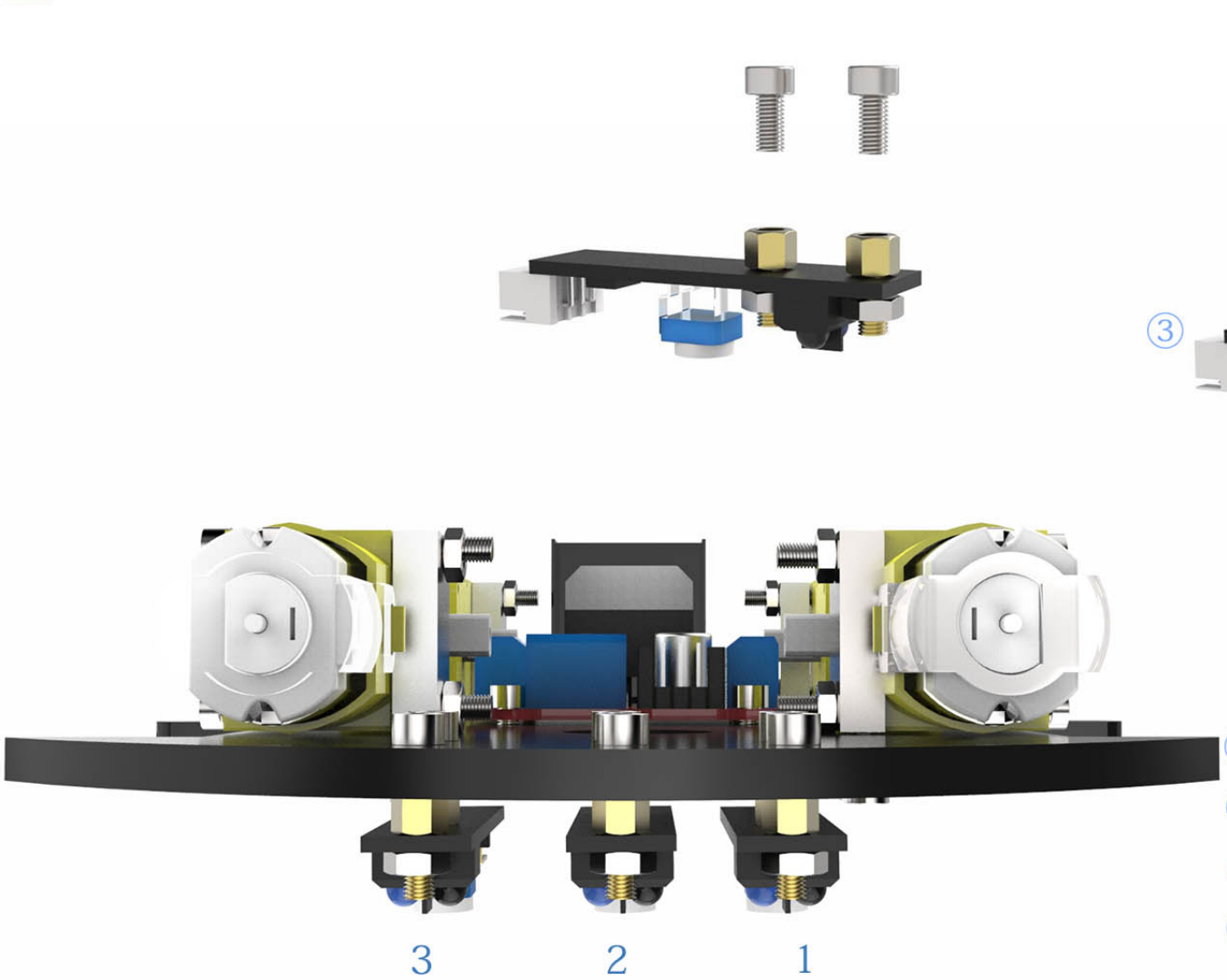
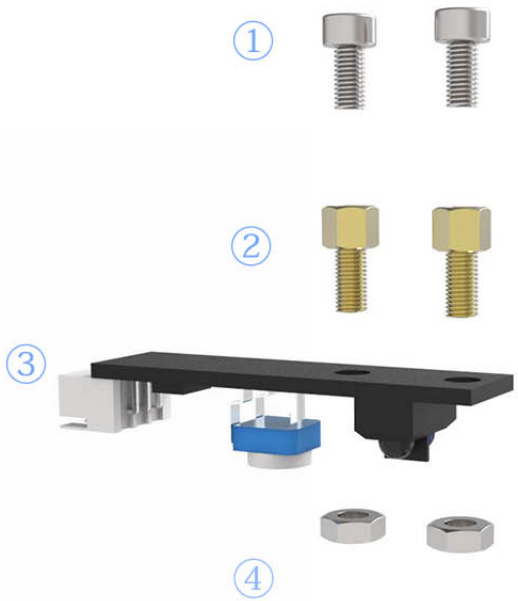




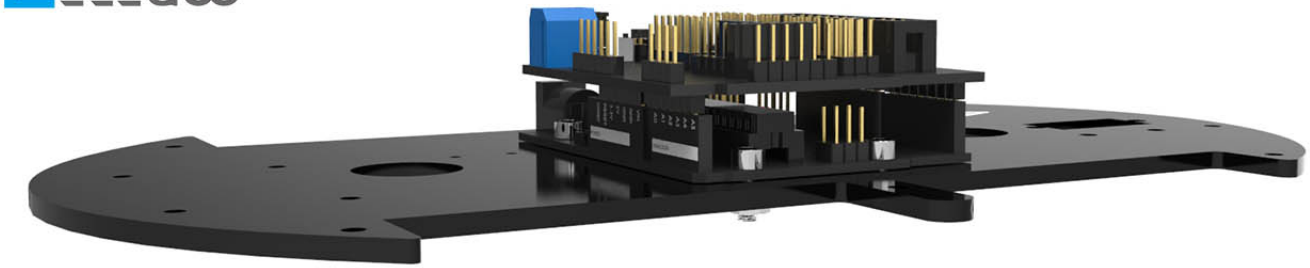
① M3 hex screws 3*7mm

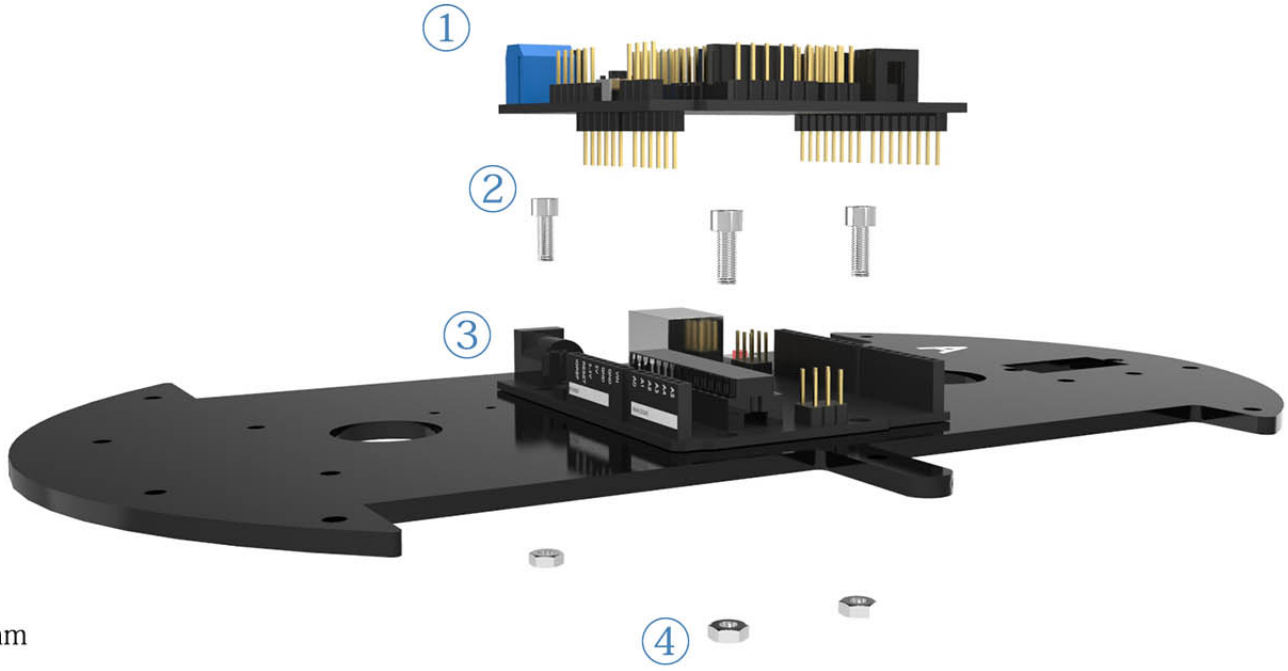
② 3*4+6 copper

③ Line tracking module

④ M3 nut

Please be noted to assemble them as above.



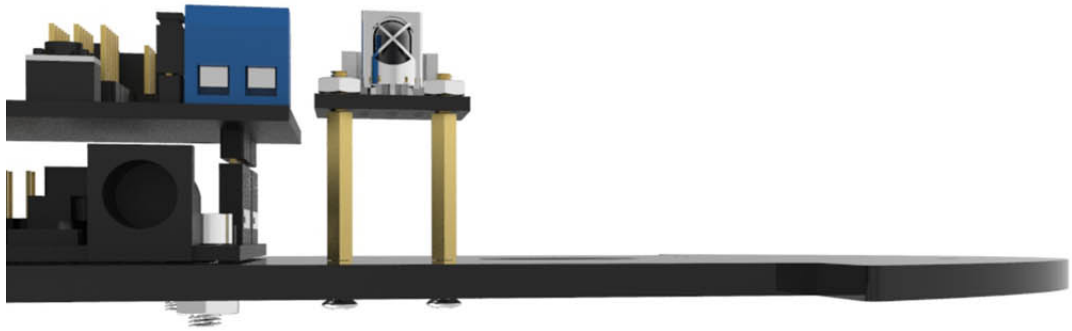


① Sensor board V5.0

② M3 hex screws 3*12mm

③ UNO R3 board

④ M3 nut

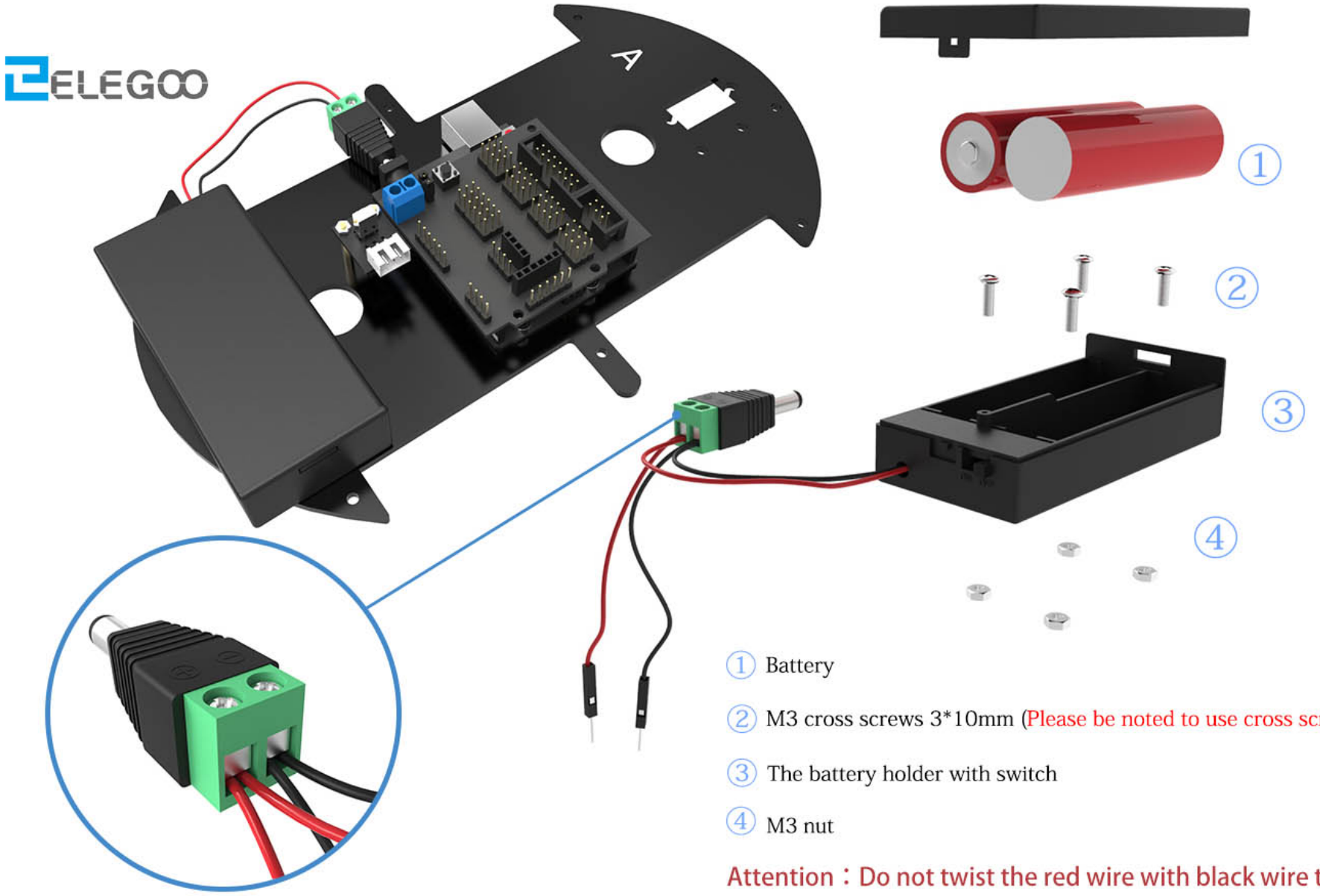


① M2 nut

② Infrared receiver module

③ 2*15+4 copper

④ M2 cross screws 2*15mm



① Battery

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

③ The battery holder with switch

④ M3 nut

Attention：Do not twist the red wire with black wire together.

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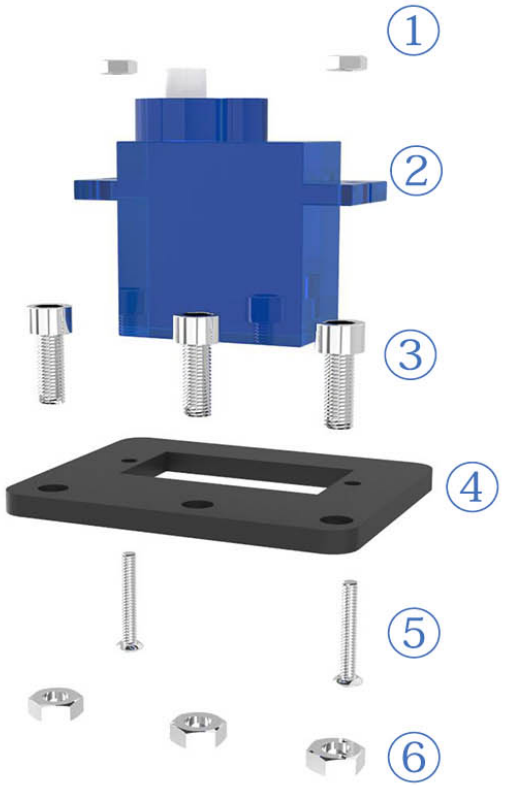
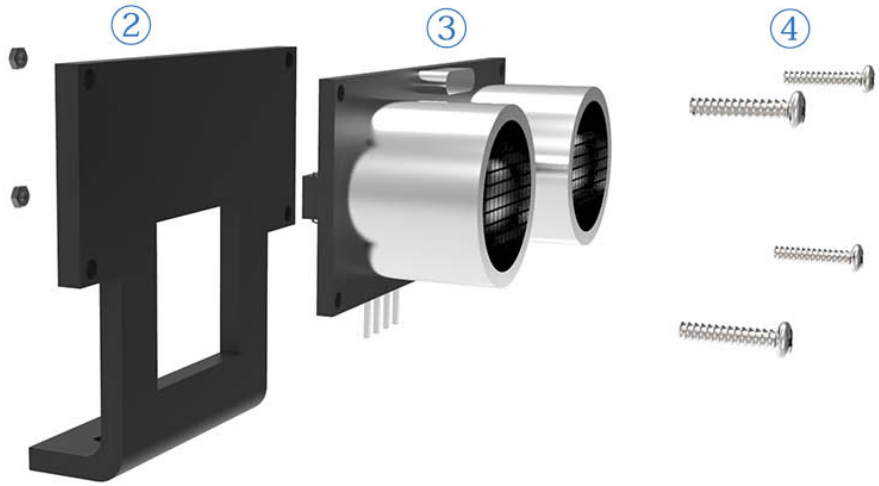


① M2 nut
② SG90
③ M3 hex screws 3*10mm
④ Holder board
⑤ M2 cross screws 2*15mm
⑥ M3 nut

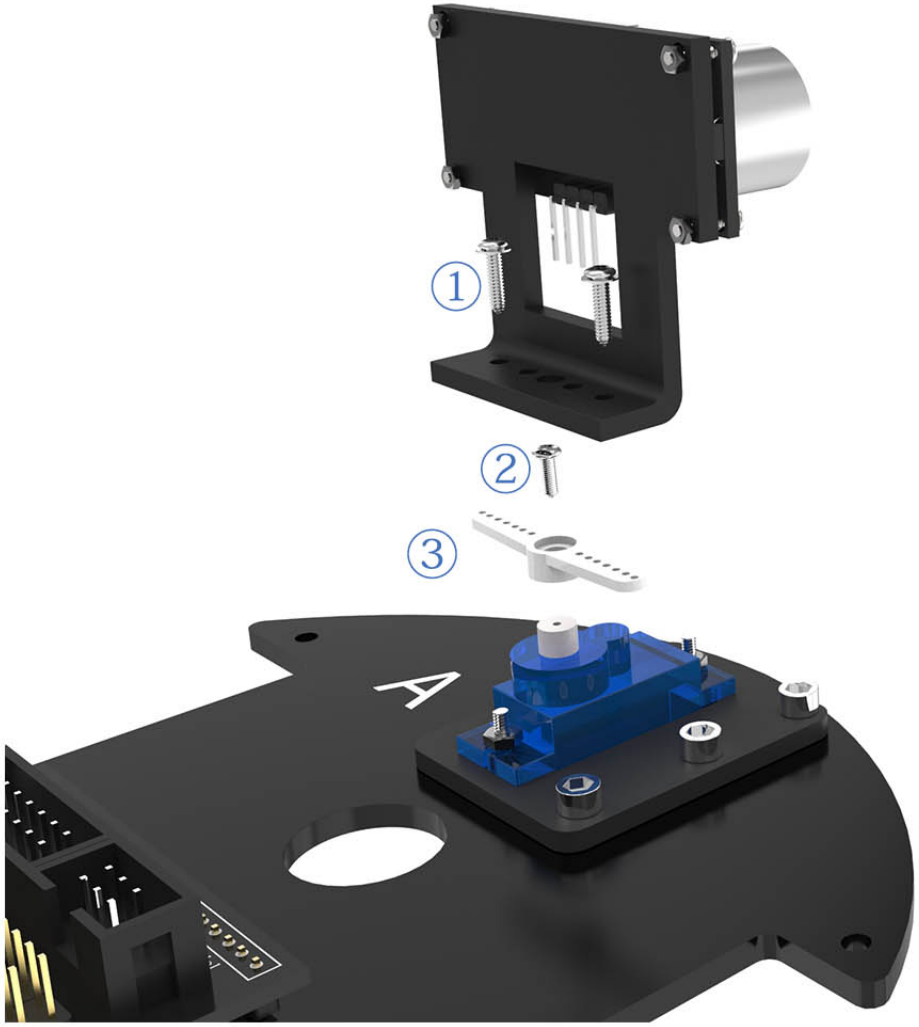


① M1.6 nut

② The acrylic ultrasonic pan-tilt holder

③ The ultrasonic module

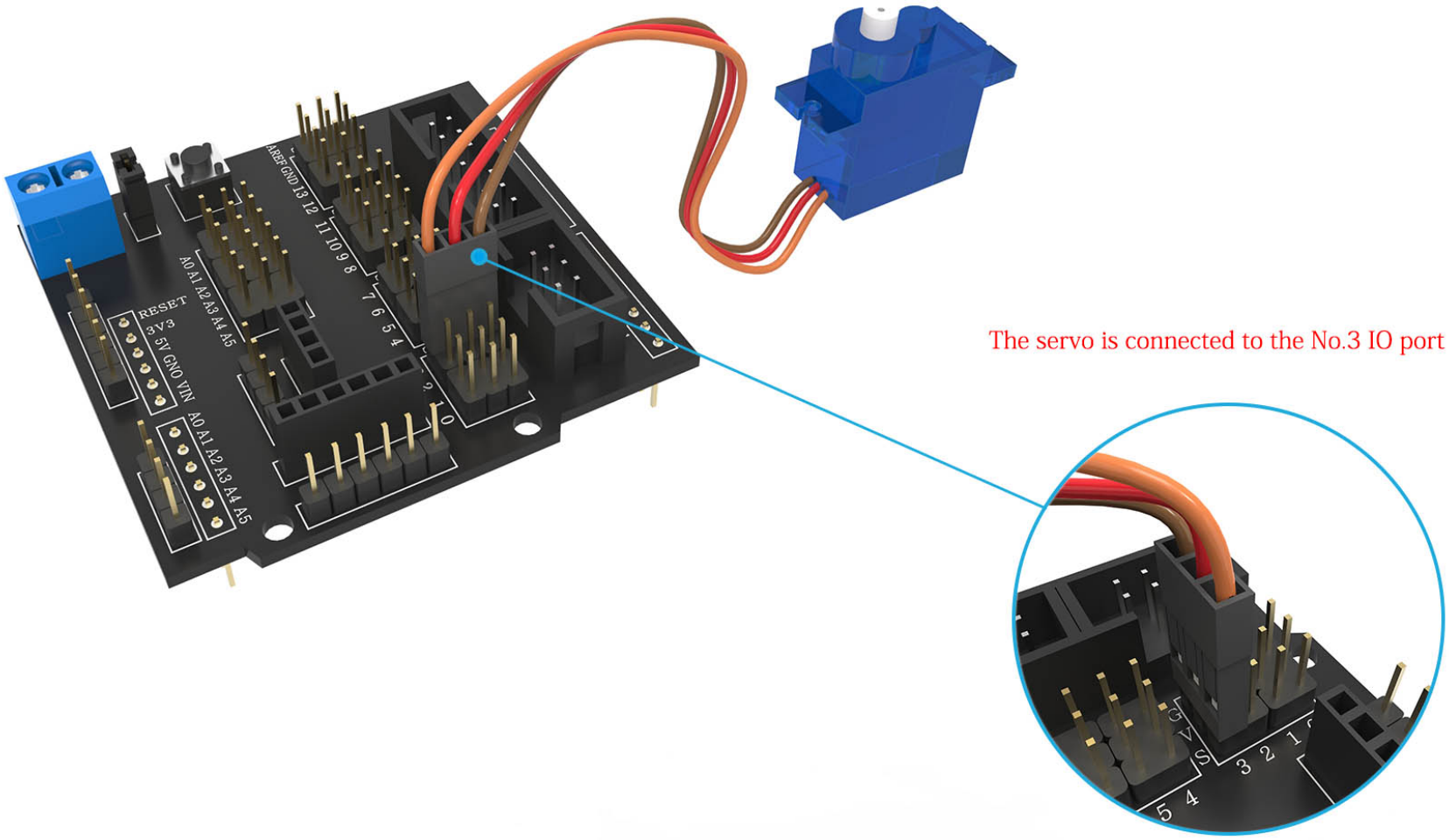
④ M1.6 cross screws 1.6*8mm

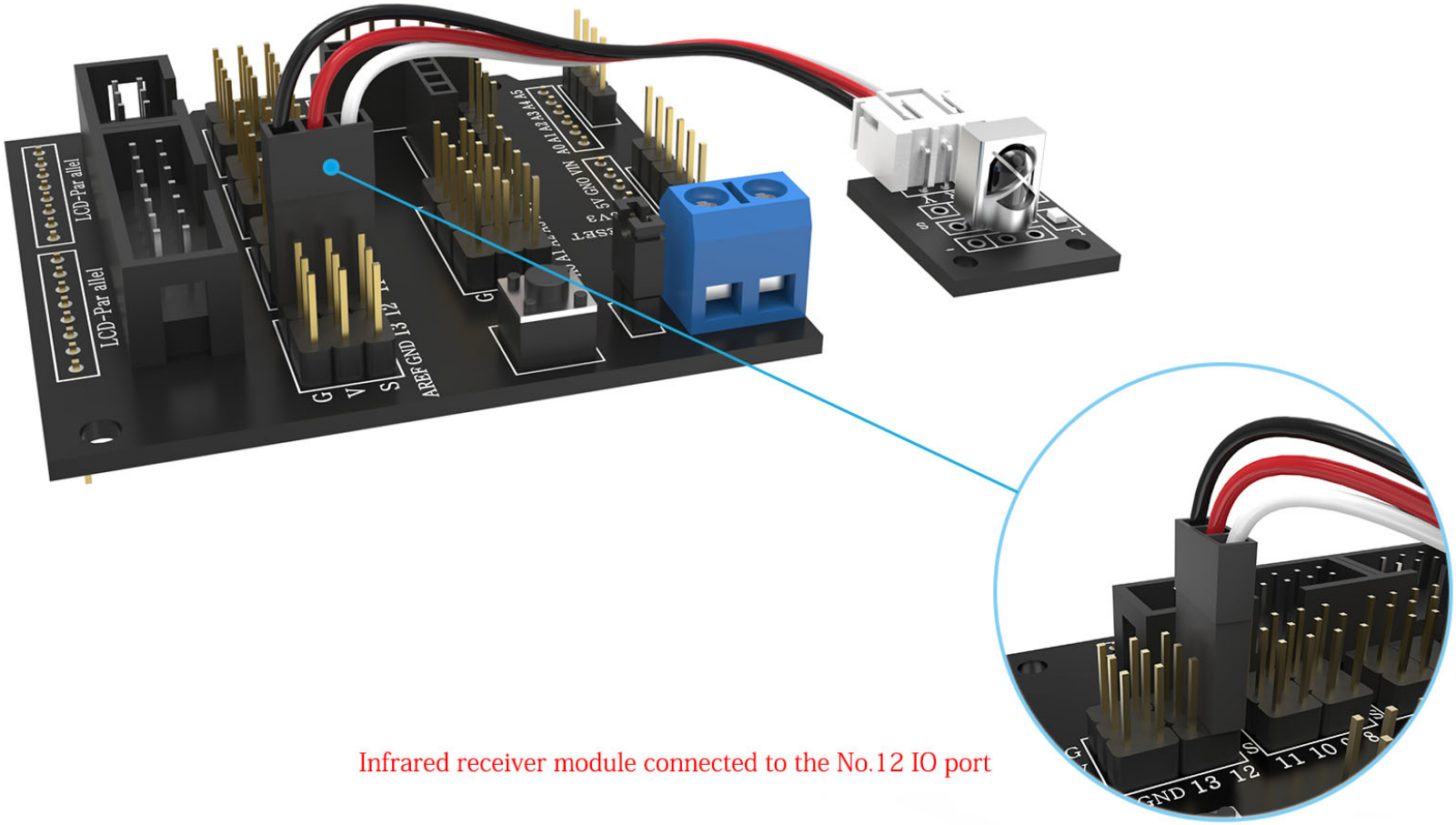


① Self-tapping screw

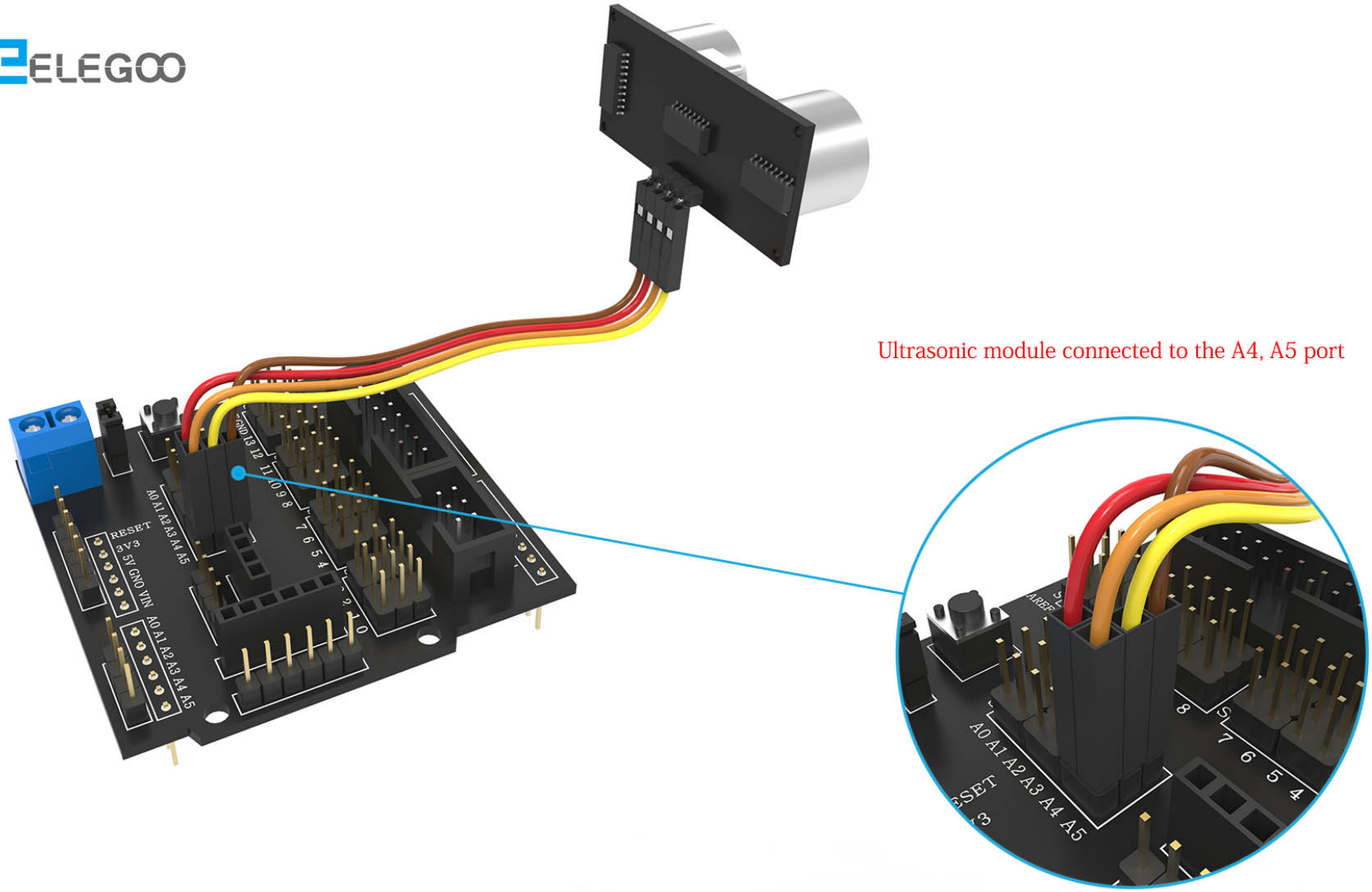
② Mini self-tapping screw

③ Fastening board

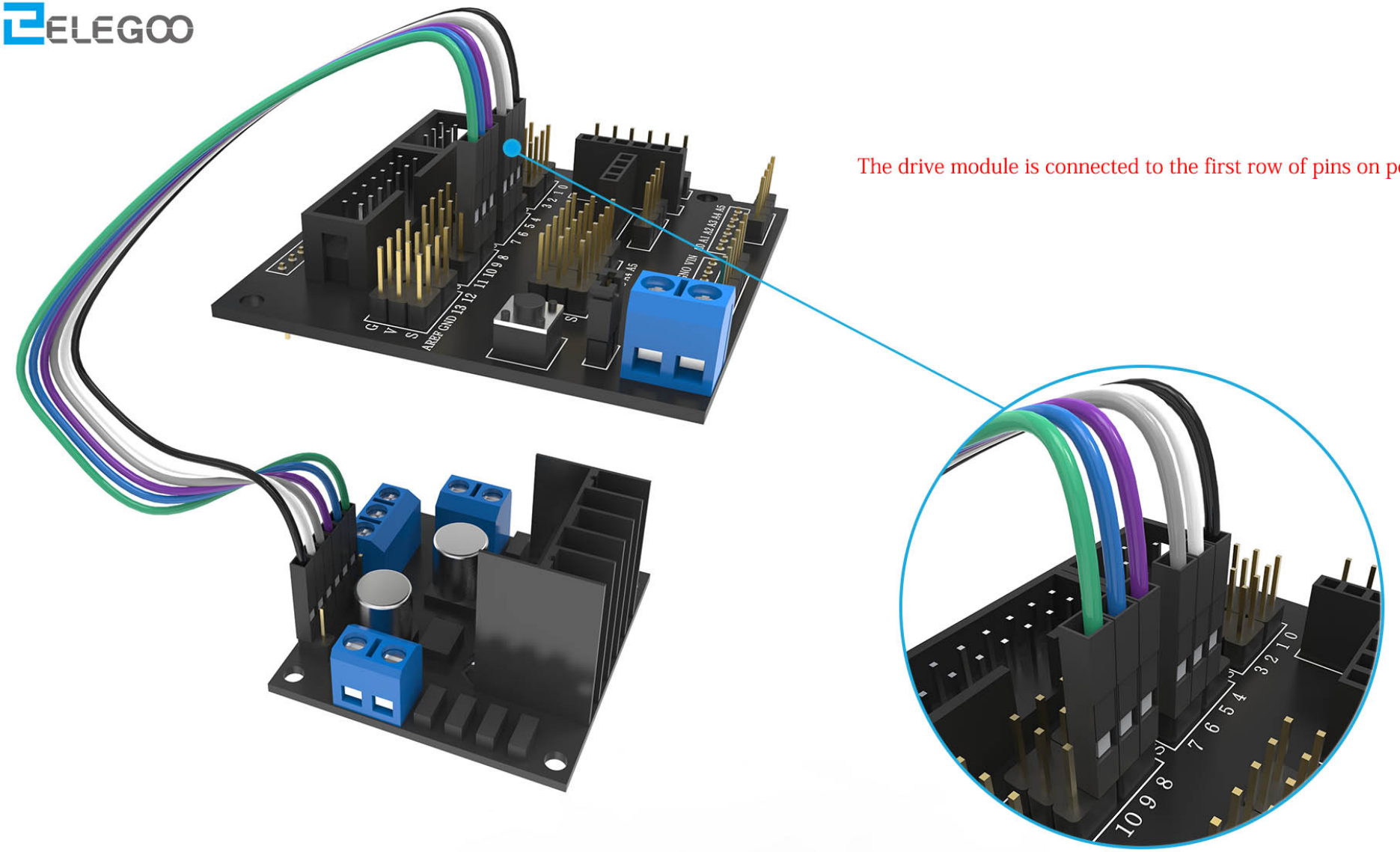

AREF GND 13 12 11 10 9 8
7 6 5 4
3 2
0
RESET
3V3
5V GND VIN
A0 A1 A2 A3 A4 A5
A0 A1 A2 A3 A4 A5
The servo is connected to the No.3 IO port

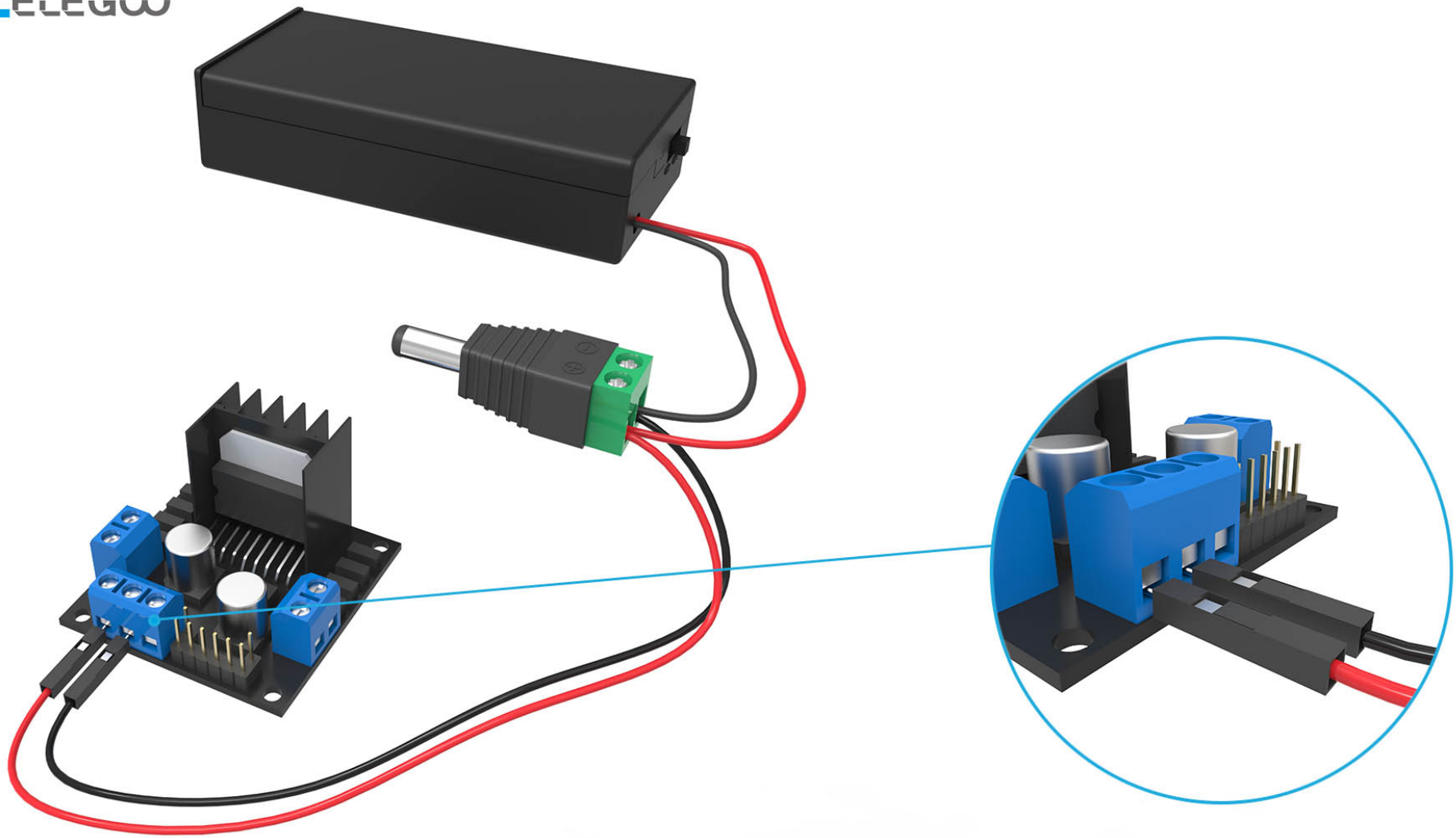


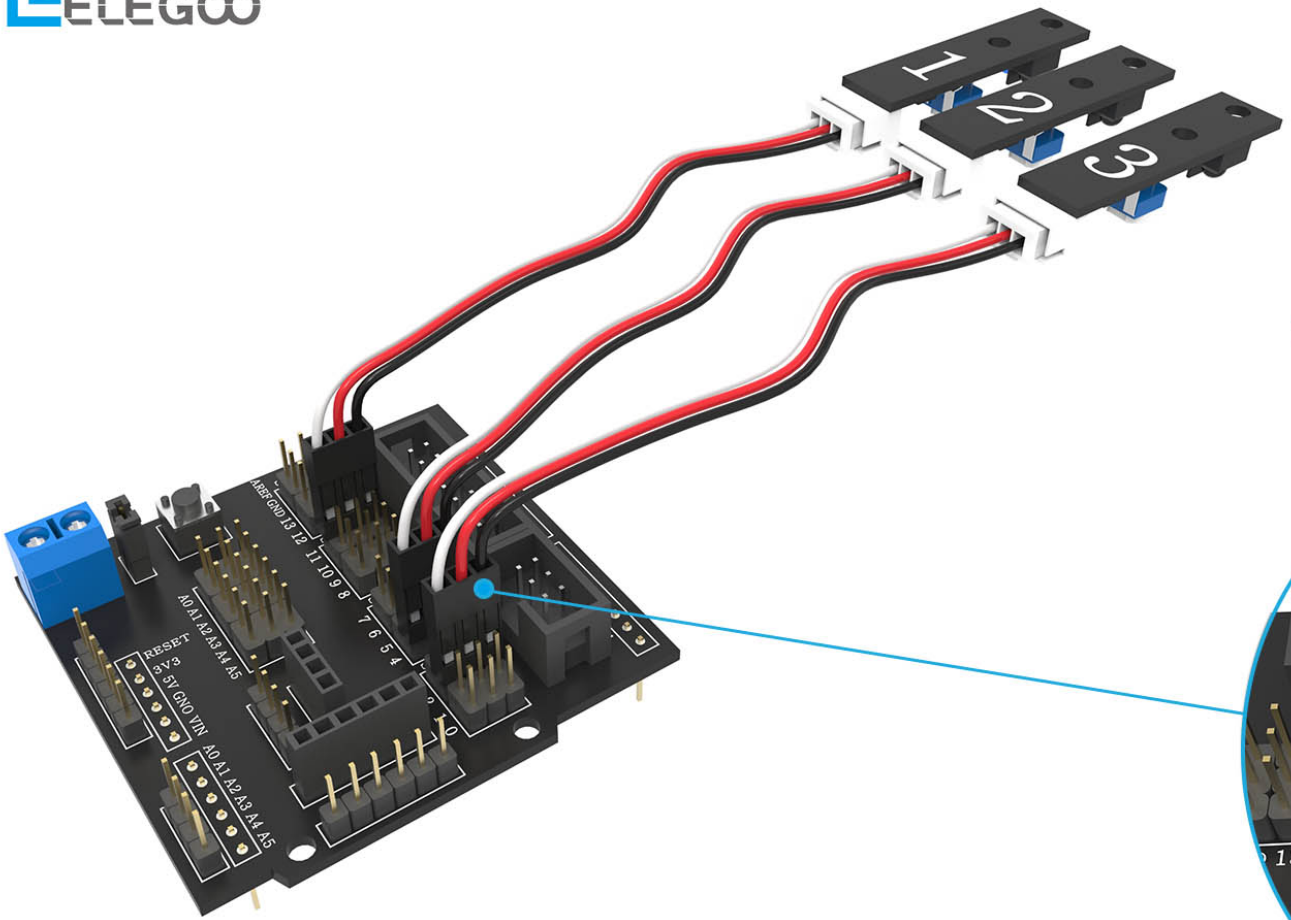
Infrared receiver module connected to the No.12 IO port



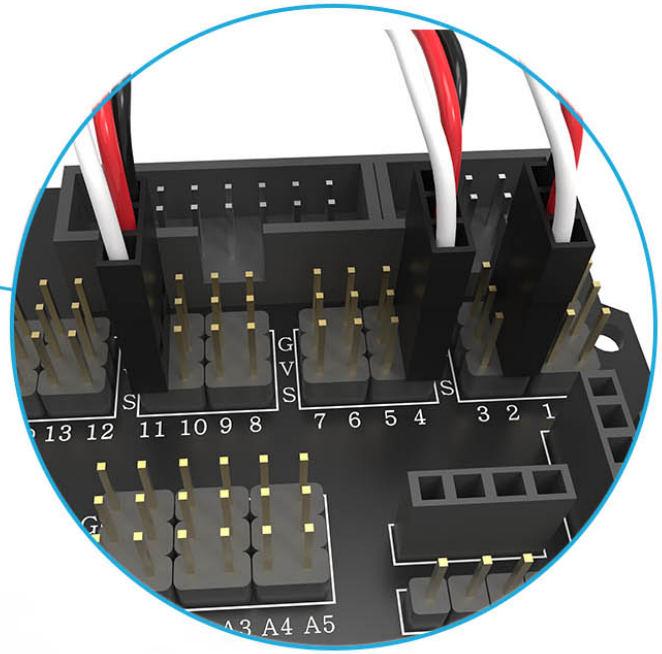
Ultrasonic module connected to the A4, A5 port

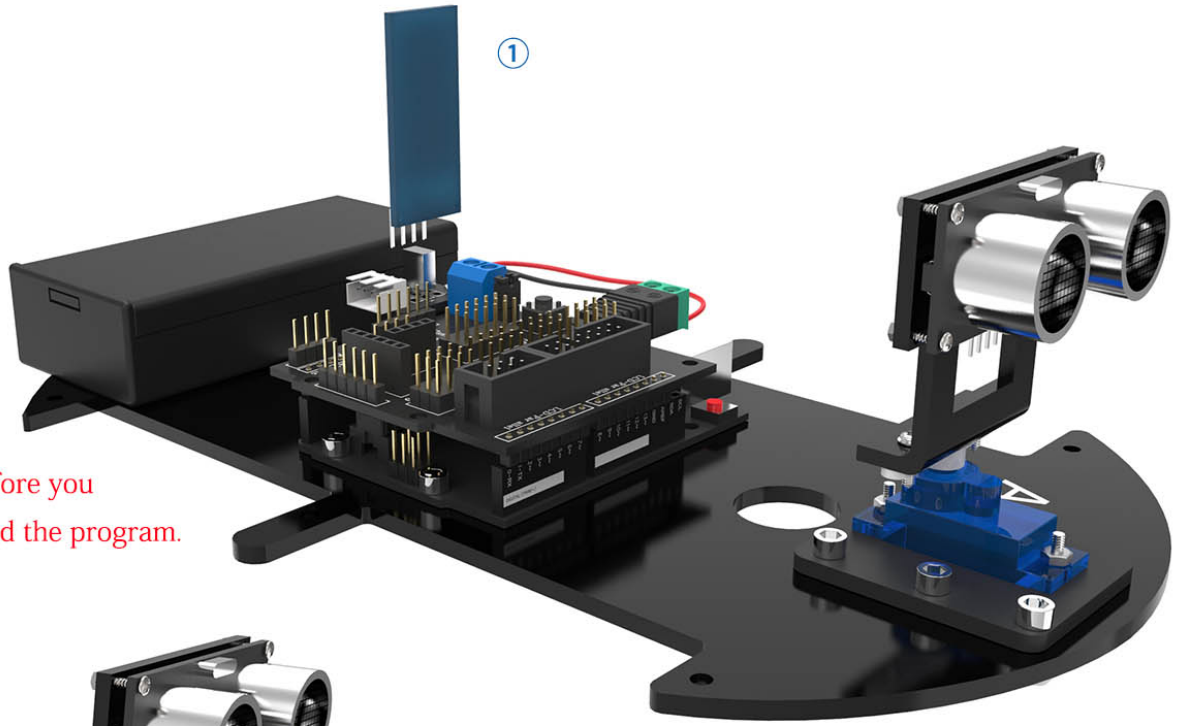

The drive module is connected to the first row of pins on port



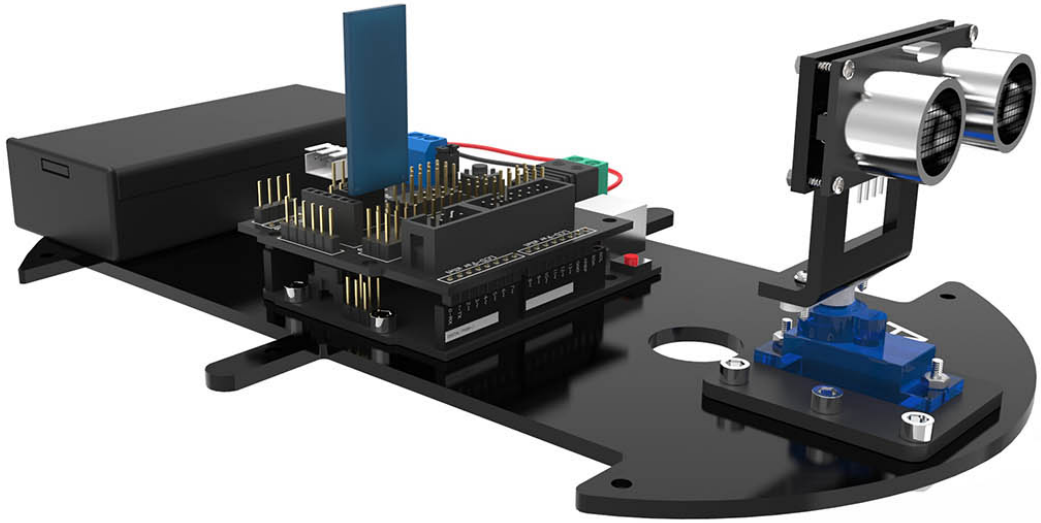


Tracing module connected to 2,4,11 IO port

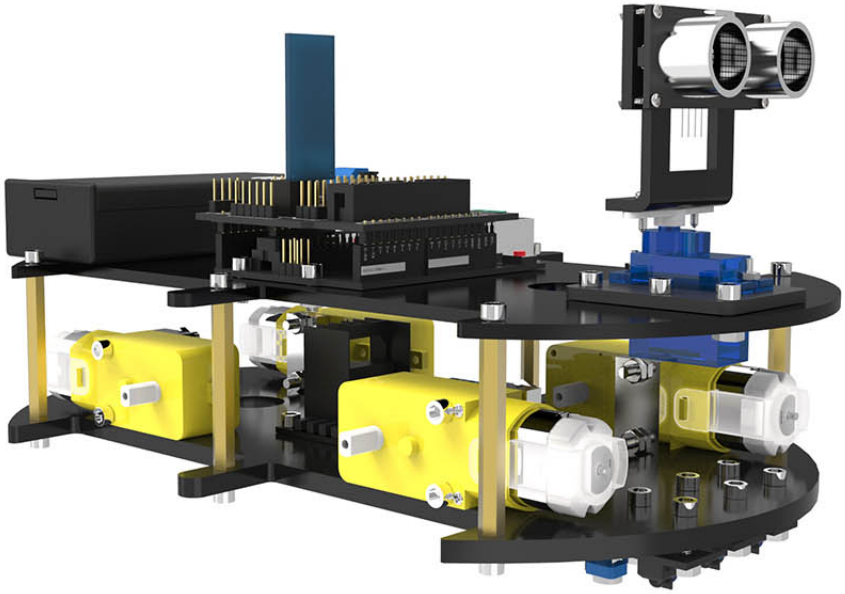


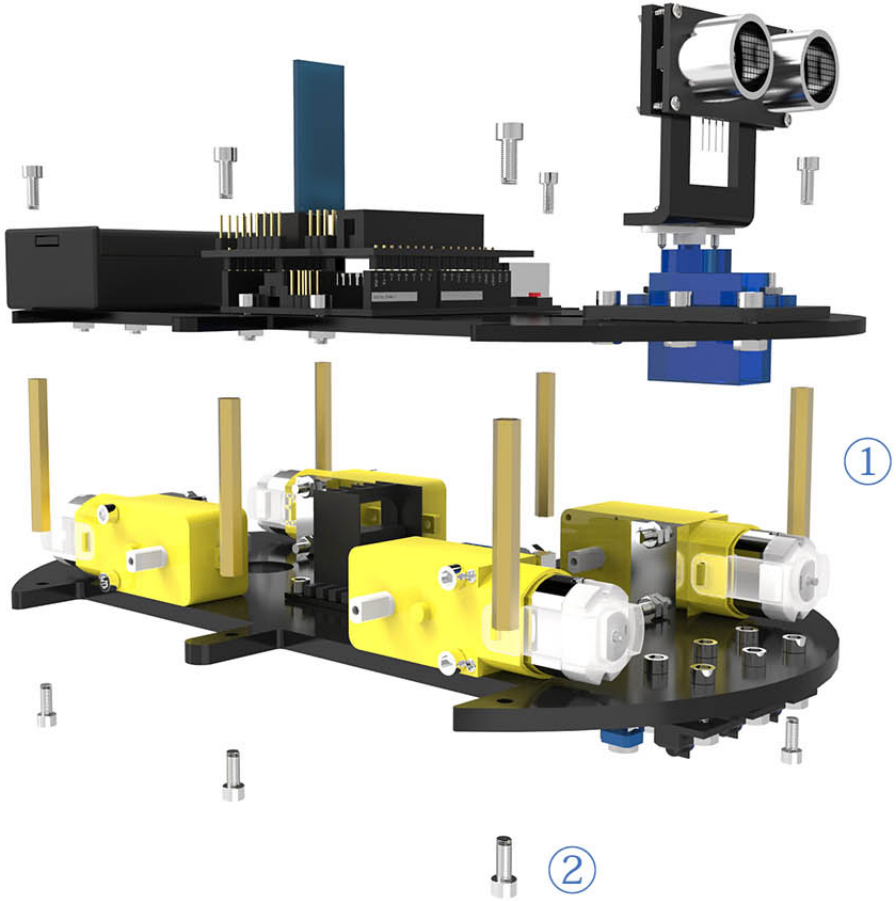


Attention: The bluetooth module should be pulled out before you upload the program every time,or it will be failed to upload the program.



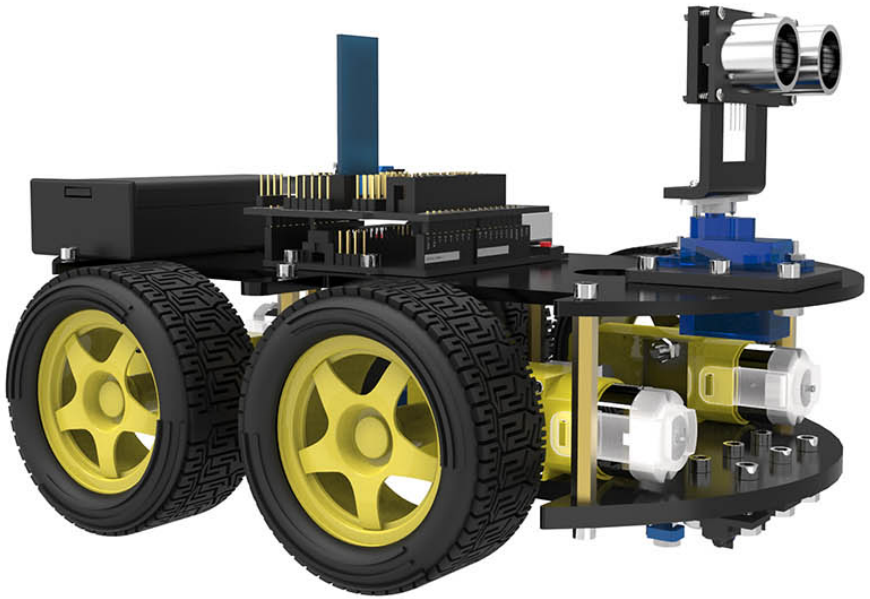
① bluetooth module

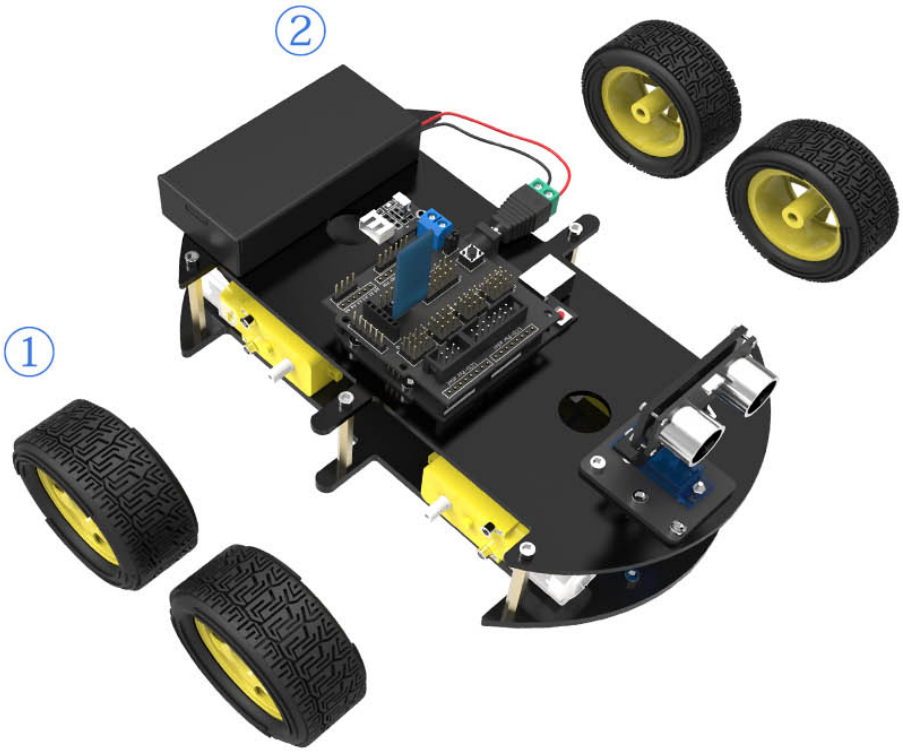




① 3*40 copper column

② M3 hex screws 3*10mm





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.