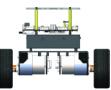


Balancing car assembly

Packing list(Standard kit)

	STM32-V2 car body		Ultrasonic module
	Ultrasonic acrylic board		Bluetooth module 5.0
	12.6V lithium battery pack		OLED display
	Instruction manual		Power adapter
	Velcro		Screwdriver
	Copper column package		

K210 module (Optional)

	K210 visual recognition module		Damping hinge
	K210 adapter plate		Hinge mounting plate
	Screw package		

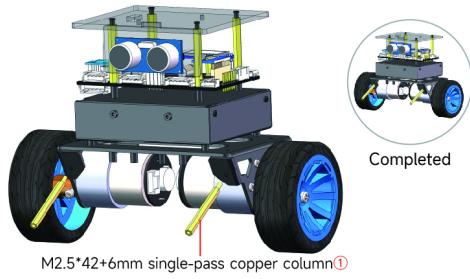
Electromagnetic tracking module (Optional)

	Electromag- netic tracking module		Operational amplifier module
	Module bracket		Operational amplifier module mounting plate
	Screw package		

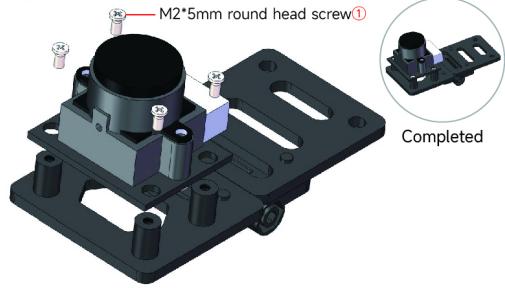
Linear CCD camera module (Optional)

	Linear CCD camera module		Damping hinge
	CCD fixed plate		Hinge mounting plate
	Screw package		Wire

⑤Fix 2PCS M2.5*42+6 copper pillars on the front of the chassis.

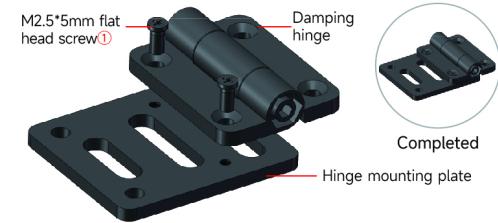


③Lock CCD camera module with 4PCS M2*5 flat head screws.

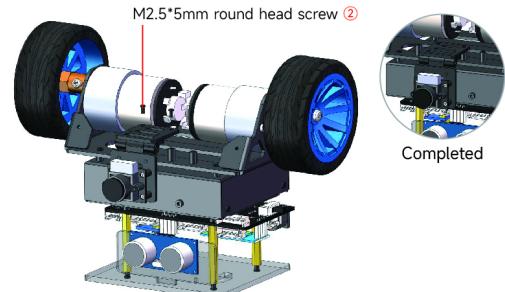


3. Install CCD camera module (Other accessories can ignore this step)

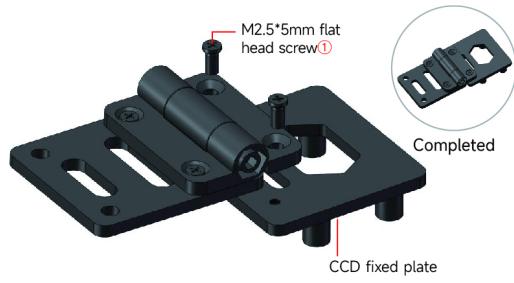
①Lock hinge mounting plate with 2PCS M2*5 flat head screws.



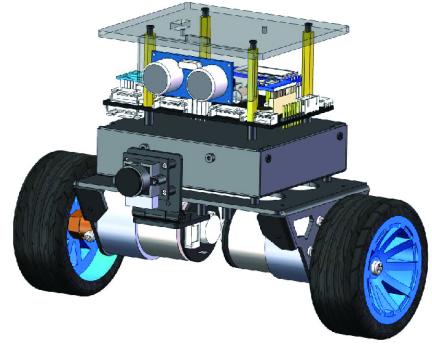
④Lock hinge mounting plate with 2PCS M2*5 flat head screws.



②Lock CCD fixed plate with 2PCS M2*5 flat head screws.



⑤After assembly is completed, as shown below.



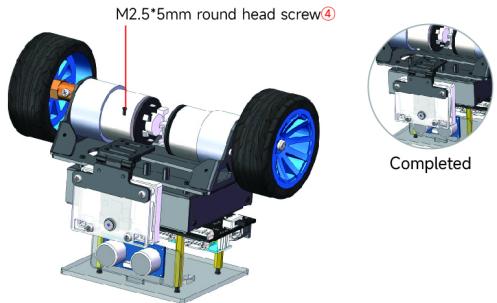
4. Install K210 module

(Other accessories can ignore this step)

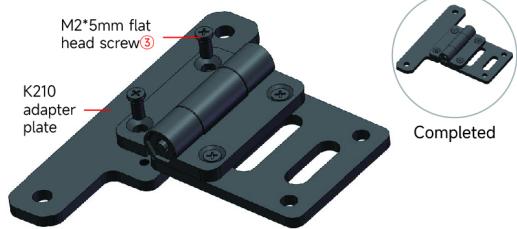
- ①Lock hinge mounting plate with 2PCS M2*5 flat head screws.



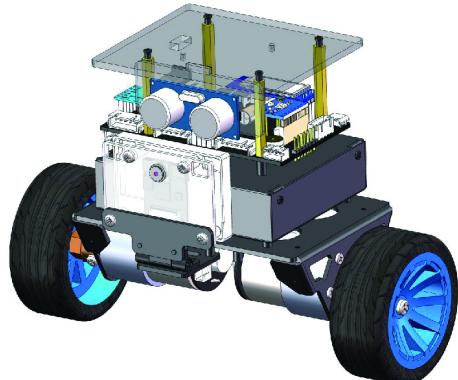
- ④Lock hinge mounting plate with 2PCS M2.5*5 round head screws.



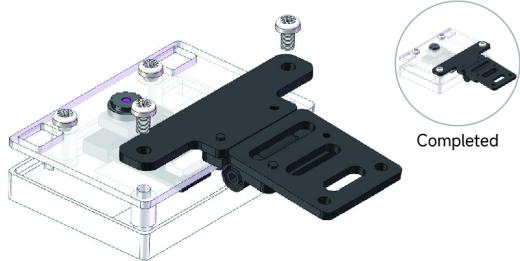
- ②Lock K210 adapter plate with 2PCS M2*5 flat head screws.



- ⑤After assembly is completed, as shown below.



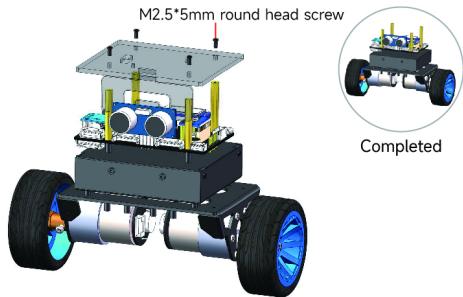
- ③Lock K210 module with 2PCS M3*6 screws.



5. Install lidar

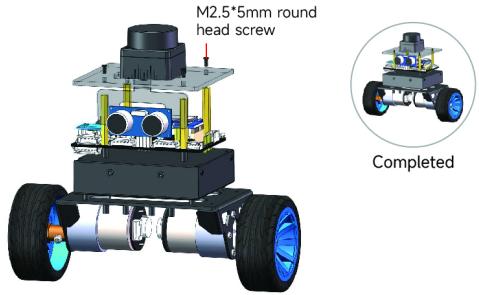
(Other accessories can ignore this step)

① Remove 4PCS M2.5*5 round head screws, take off the acrylic top cover and ultrasonic acrylic board.

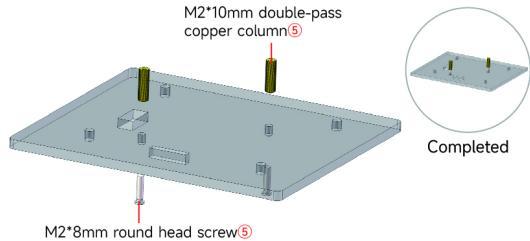


④ Insert ultrasonic acrylic board into the acrylic top cover.

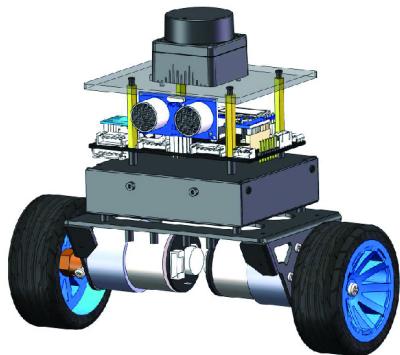
Lock lidar fixing plate on 4PCS copper pillars on the top of robot car with 4PCS M2.5*5 round head screws.



② Lock 2PCS M2*10 copper pillars on acrylic top cover with 2PCS M2*8 round head screws.

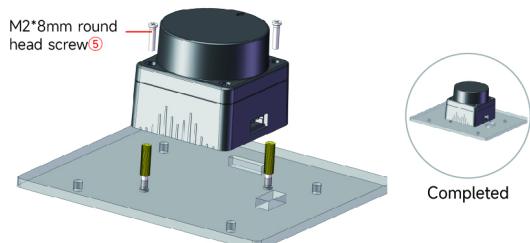


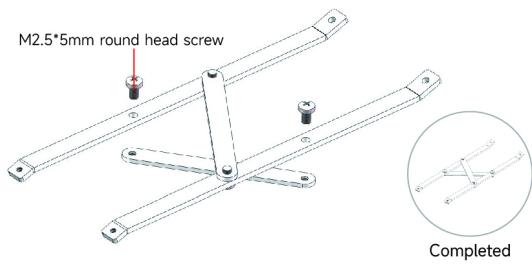
⑤ After assembly is completed, as shown below.



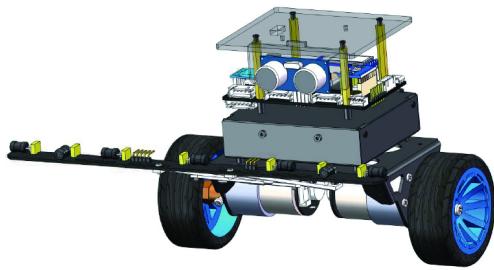
③ Lock lidar module on acrylic top cover with 2PCS M2*8 round head screws.

Note: Ensure lidar cable holes are aligned with the holes on the side of the acrylic top cover.

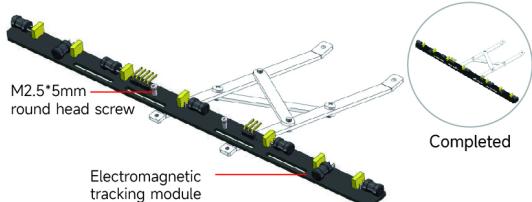




⑥After assembly is completed, as shown below.

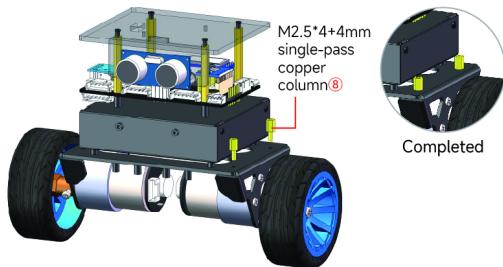


④Fix electromagnetic tracking module on the higher side of the extension rod with 2PCS M2.5*5 round head screws.

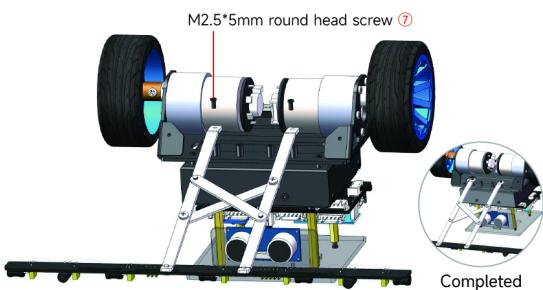


8. Install PS2 handle receiver (Other accessories can ignore this step)

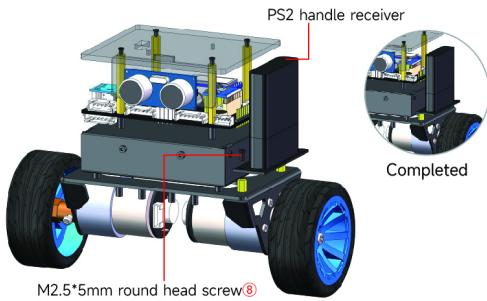
①Fix 2PCS M2.5*4+4mm single-pass copper pillars to the position shown in the right figure.



⑤Fix electromagnetic tracking module to the rivet studs on both sides of the chassis with 2PCS M2.5*5 round head screws.



②Lock PS2 handle receiver to the 2PCS copper pillars with 2PCS M2.5*5 round head screws.



Wiring Diagram

