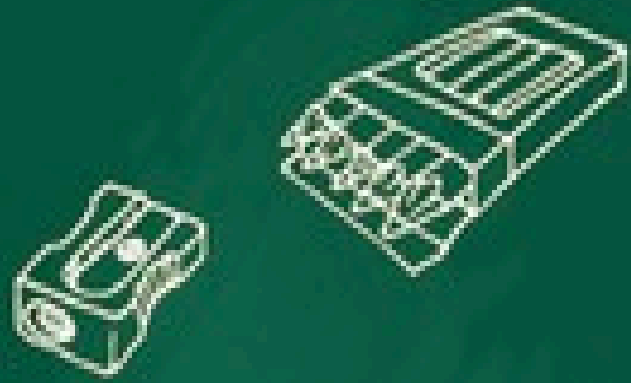


# Remote Control Car



# Introduction



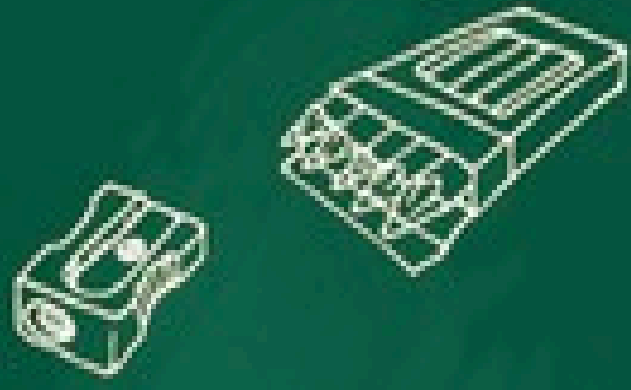


Guess the riddle:



A small little room,  
With walls and windows too,  
Running in the middle of the road,  
While people walk on both sides.





Answer:



A vehicle (Car)

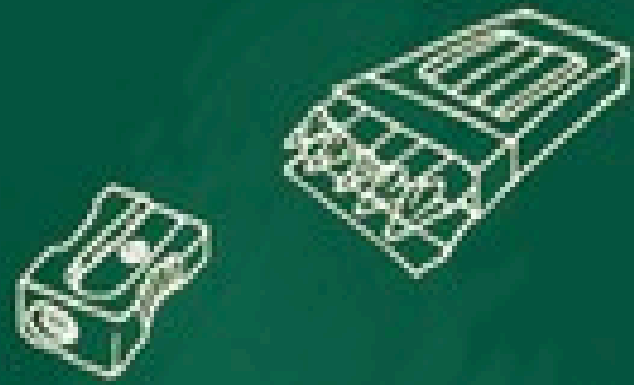




Let's do a small experiment  
about remote control cars  
together!







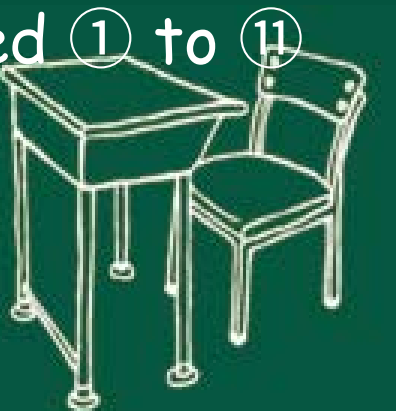


1

# Materials



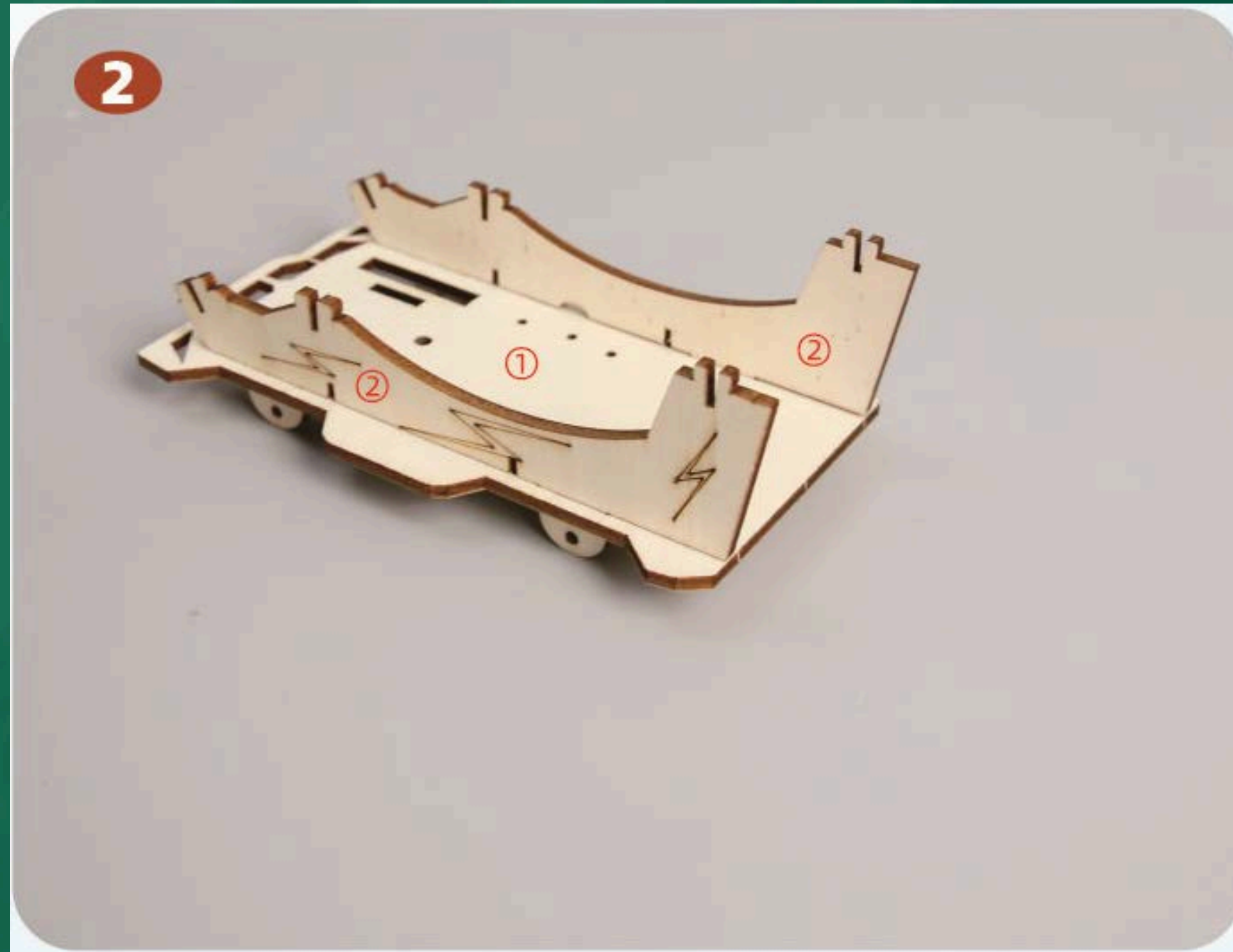
- wheels ×4
- Remote control module A
- Antenna ×2
- Rubber band ×1
- Gear
- Battery box ×2
- Belt wheel ×2
- Remote control module B
- Motor ×1
- Button ×2
- Heat shrink tube ×4
- 85 motor ×2
- Shaft sleeve ×4
- Small white gear ×1
- 4 mm large screws ×12
- 6 mm large screws ×15
- Wooden boards numbered ① to ⑪





2

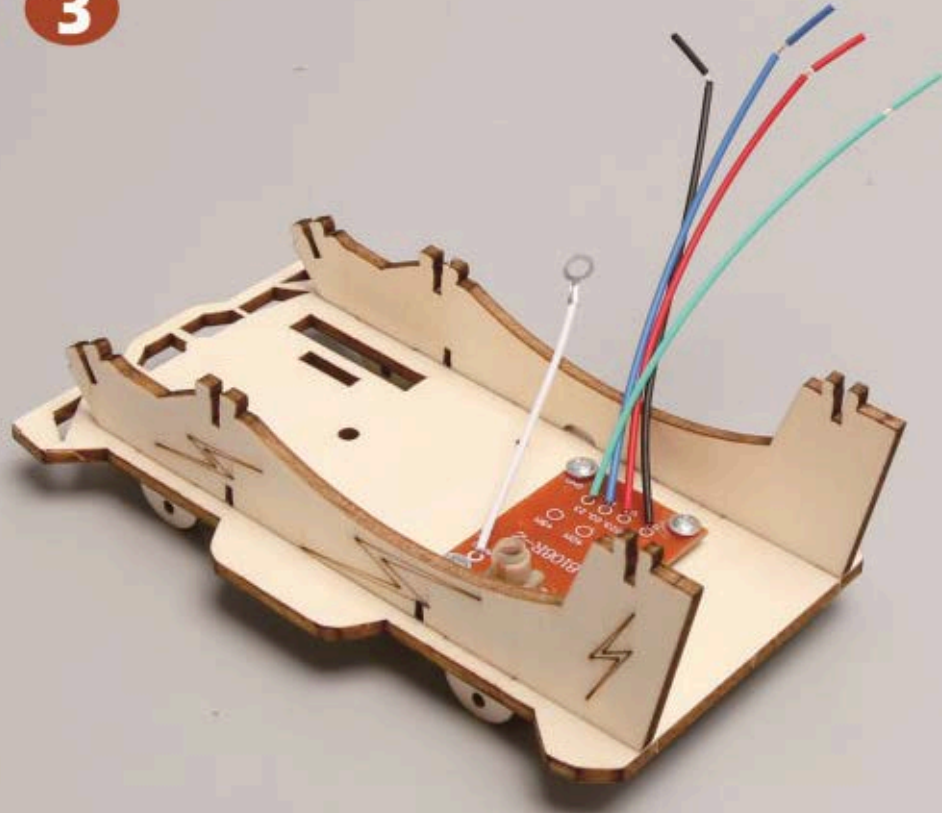
As shown, combine two No. 2 boards with one No. 1 board, and fix them with 7mm screws.





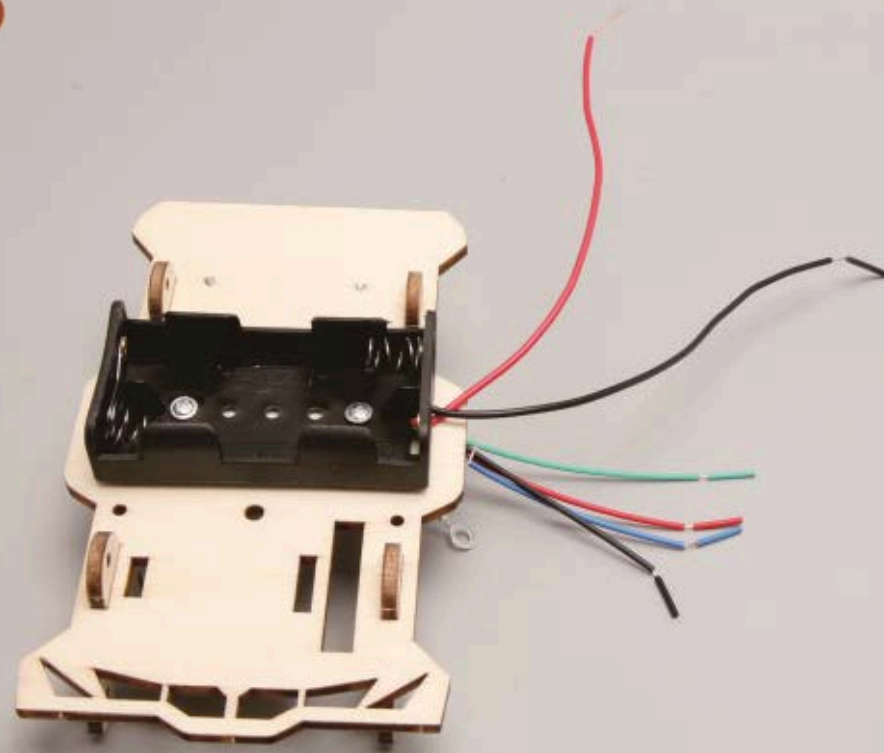


3



As shown, fix the remote control board A onto the No. 1 board with 7mm screws.

4



As shown, fix the battery box to the bottom of Step 3 using 4mm screws.





5

白齿轮

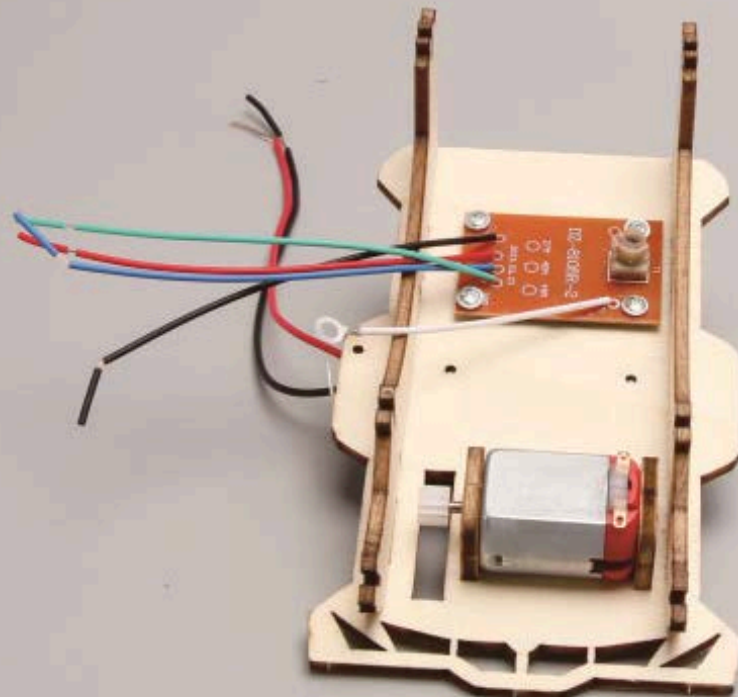
3号板

6号板

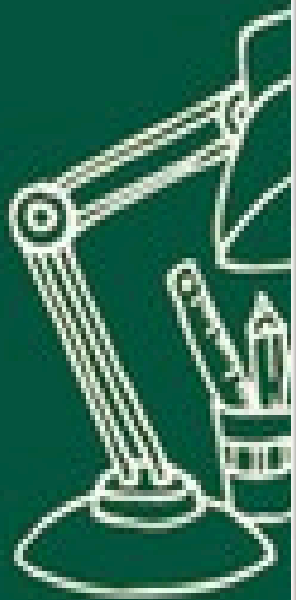


As shown, combine the No. 3 board, No. 6 board, and white gear with the motor (install the No. 6 board first, then the white gear).

6



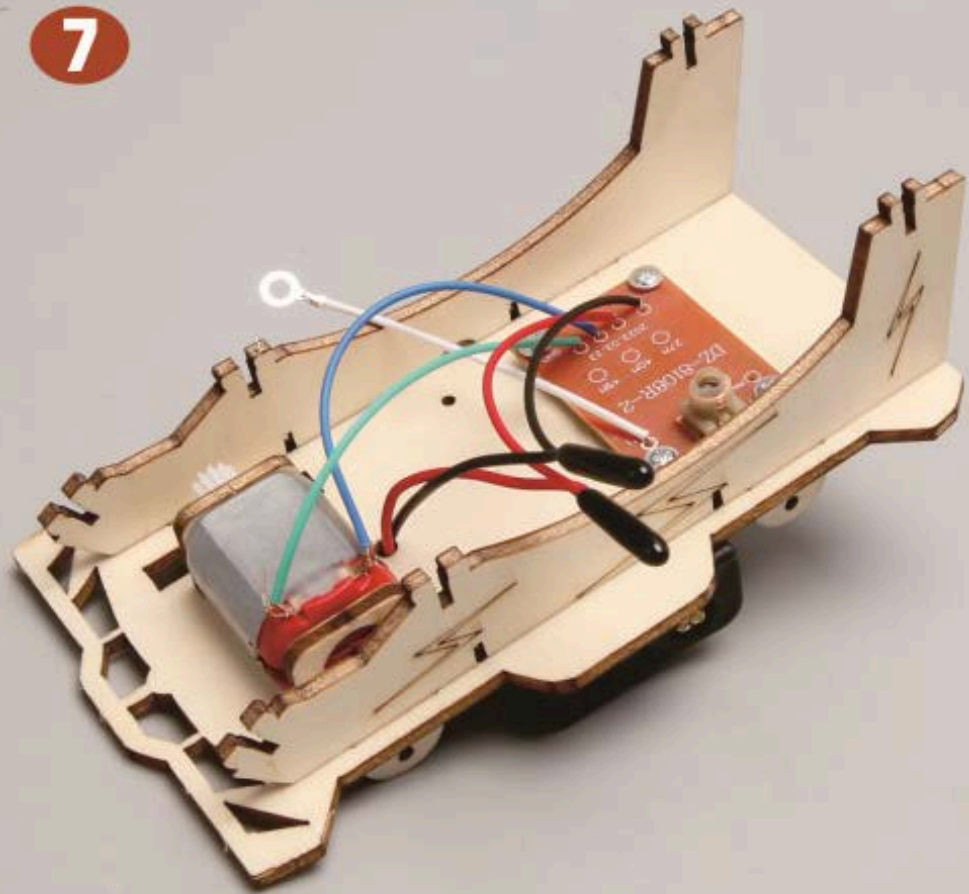
As shown, install the motor and fix it with 4mm screws.







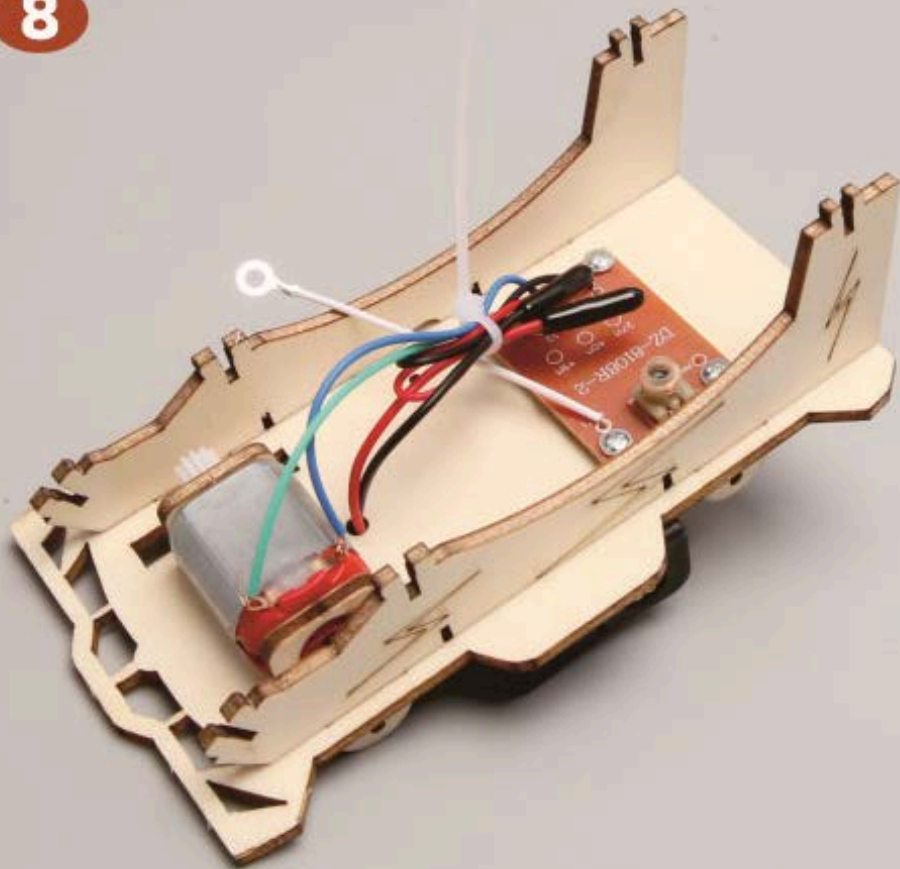
7



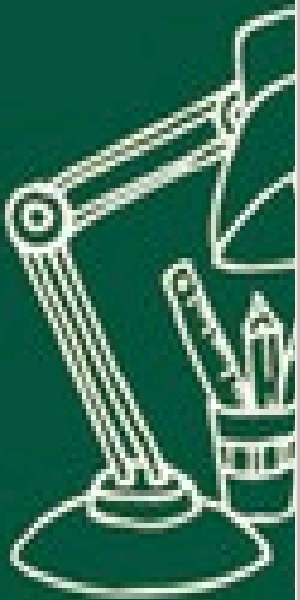
As shown, connect the wires and use heat-shrink tubing for insulation.



8

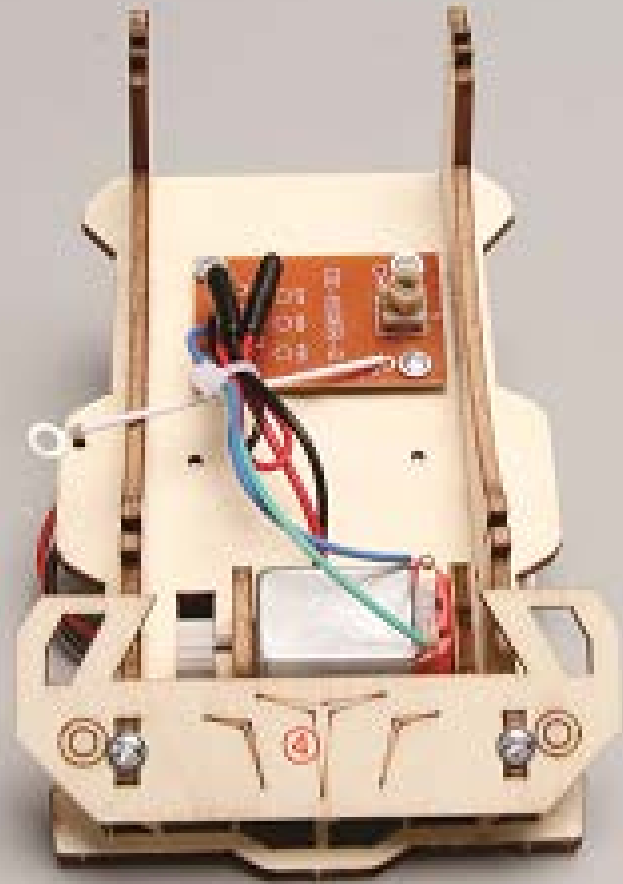


As shown, use cable ties to organize the wires neatly.





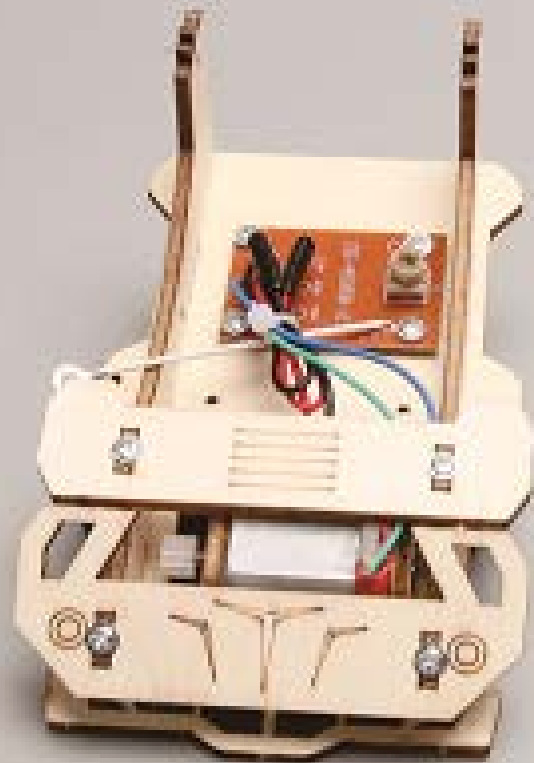
9



As shown, combine the No. 4 board with Step 8 and fix with 7mm screws.



10



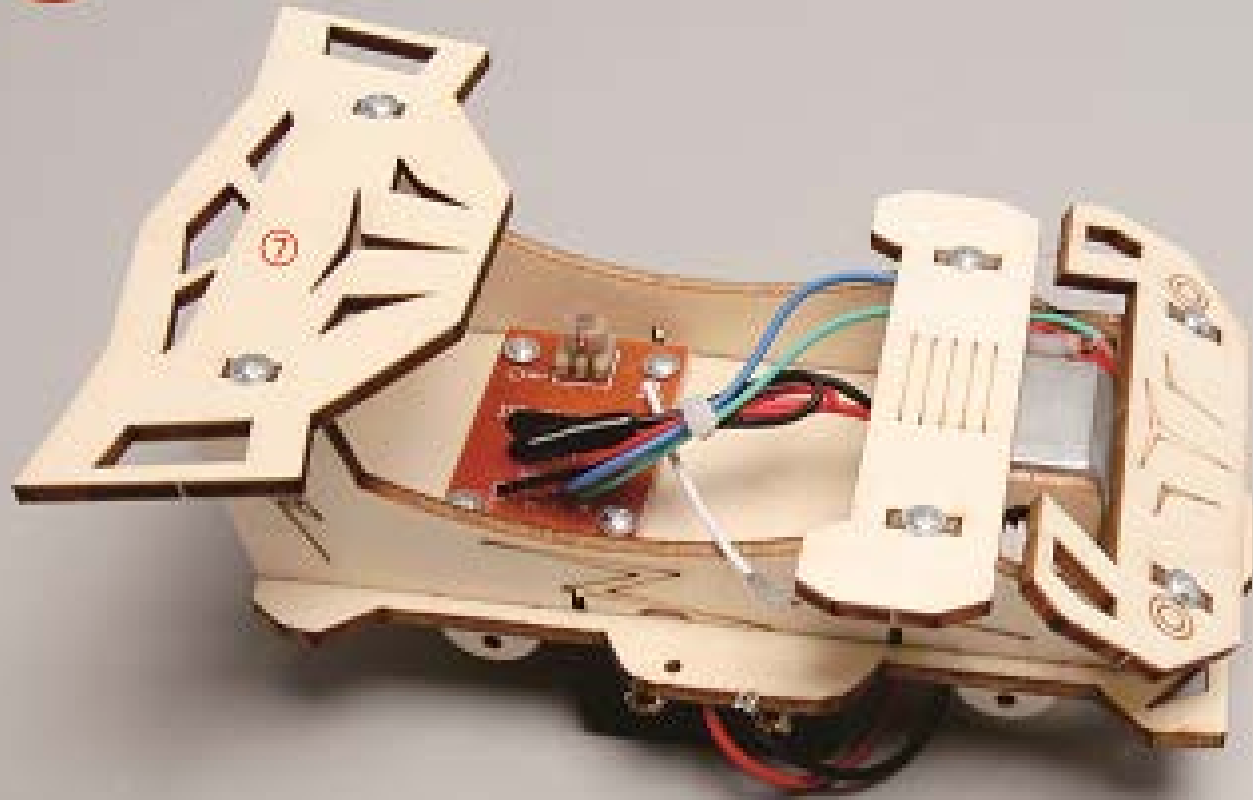
As shown, combine the No. 5 board with Step 9 and fix with 7mm screws.







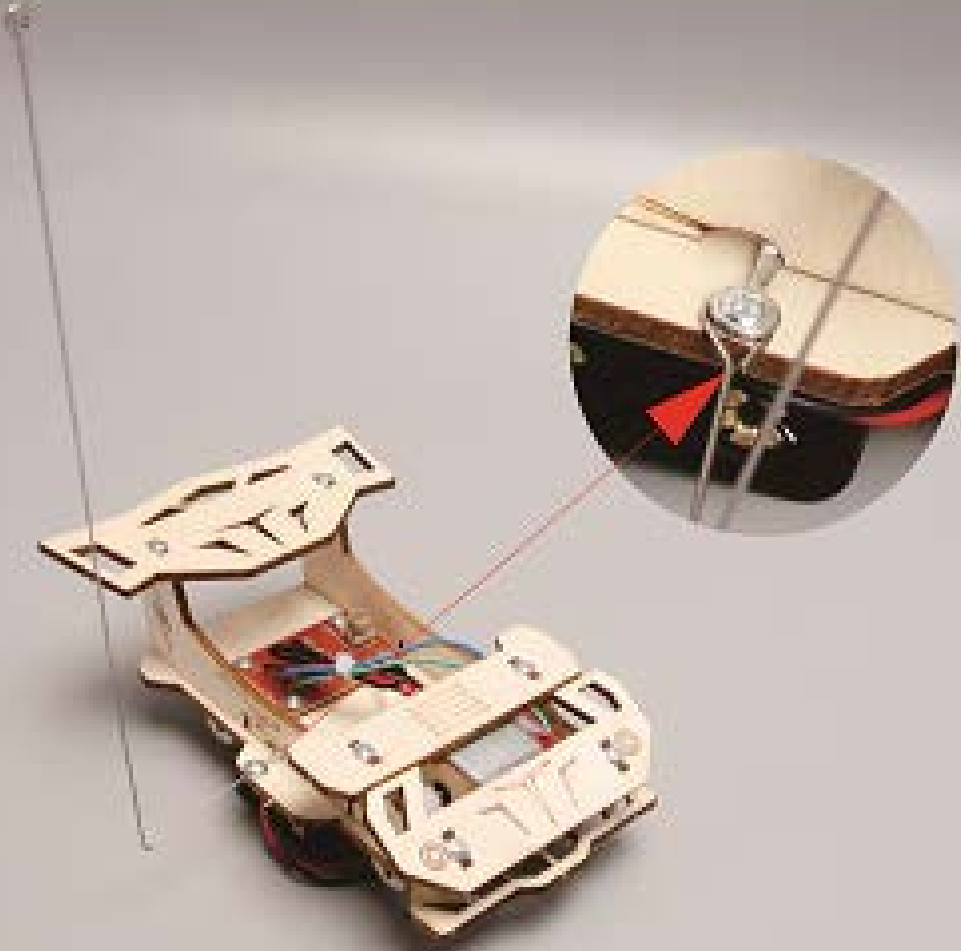
11



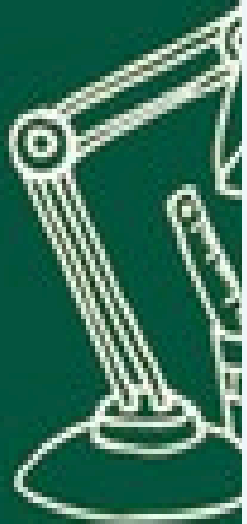
As shown, combine the No. 7 board with Step 10 and fix with 7mm screws.



12



As shown, fix antenna 1 in the designated position on the No. 1 board.



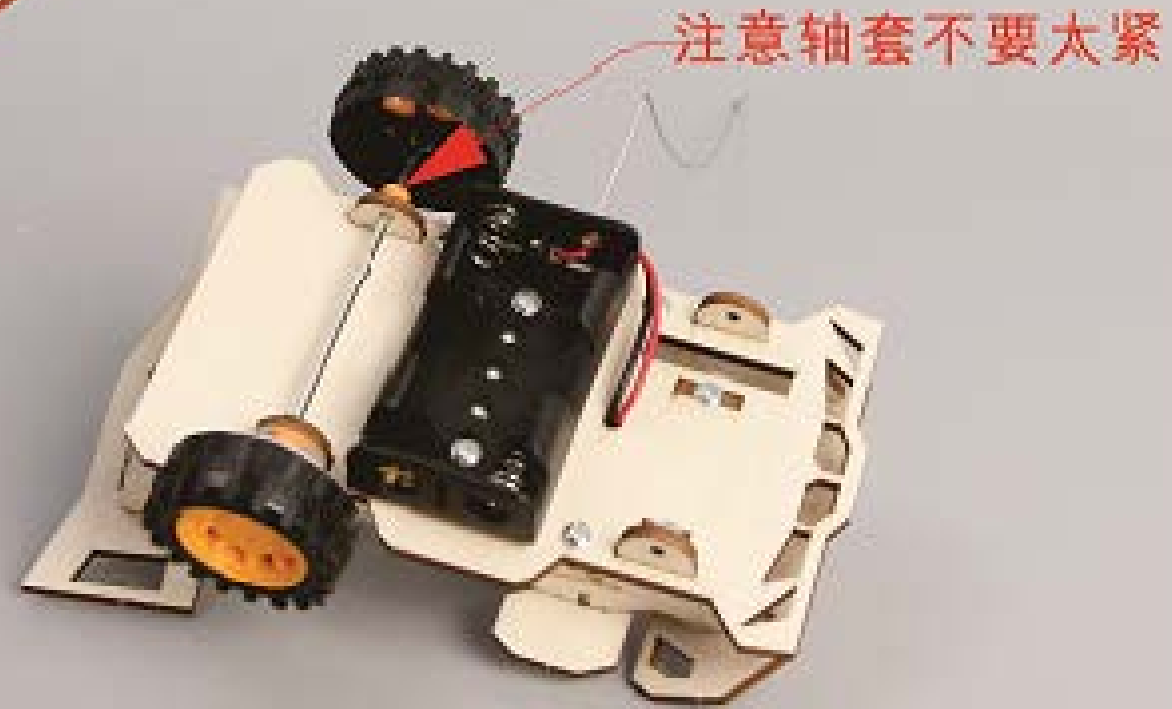


13

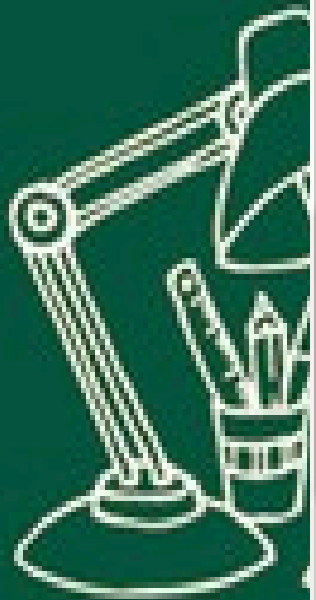


As shown, assemble the wheels.

14

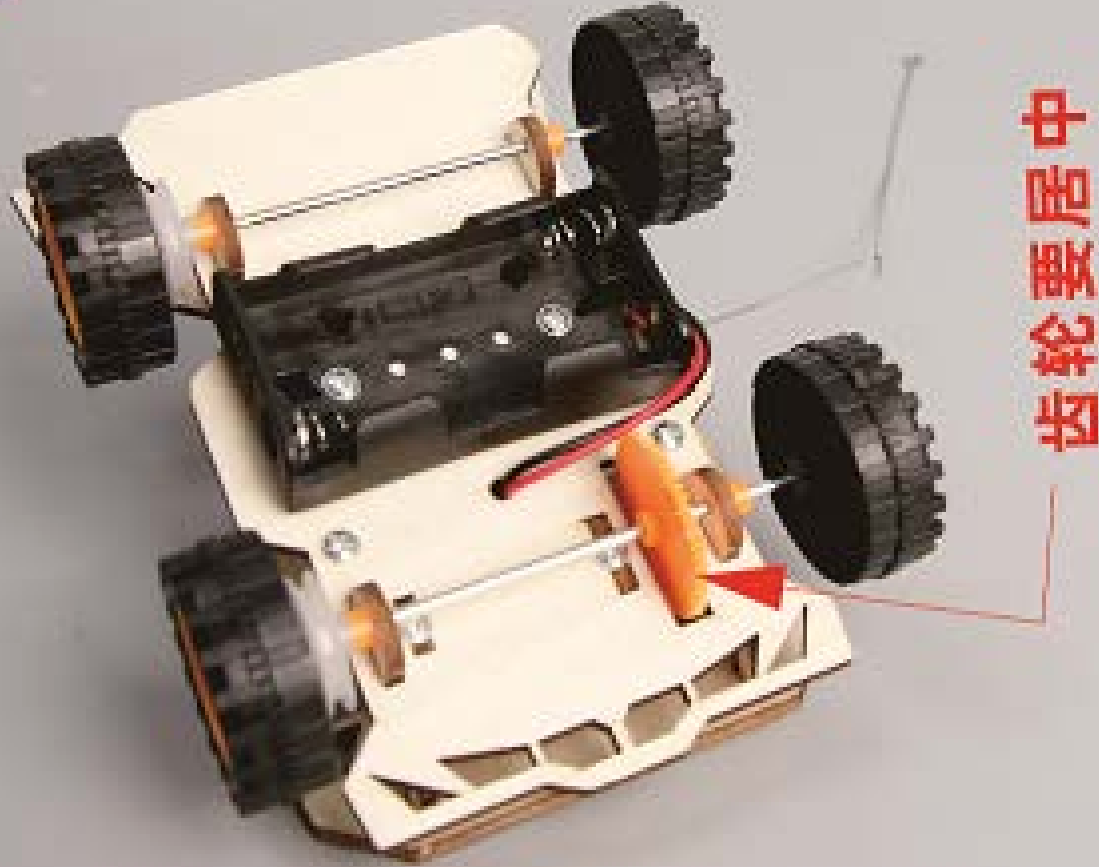


As shown, install the rear wheels of the car.





15



齿轮要居中

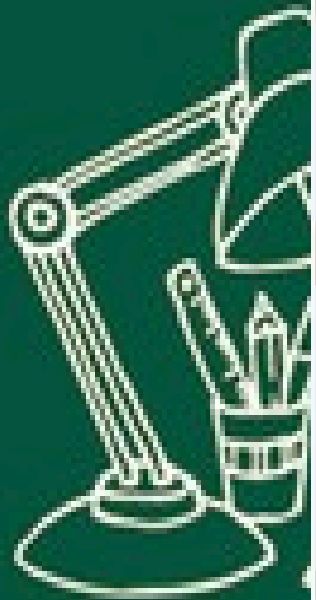
As shown, install the front wheels of the car.

6

16

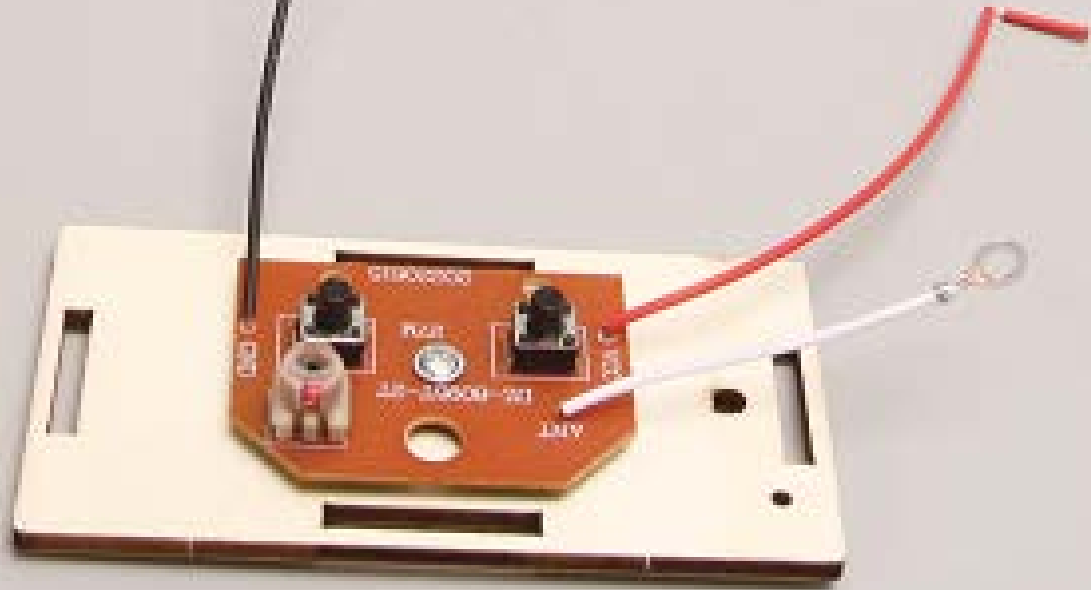


As shown, attach the rubber band to the belt wheel (car body completed).



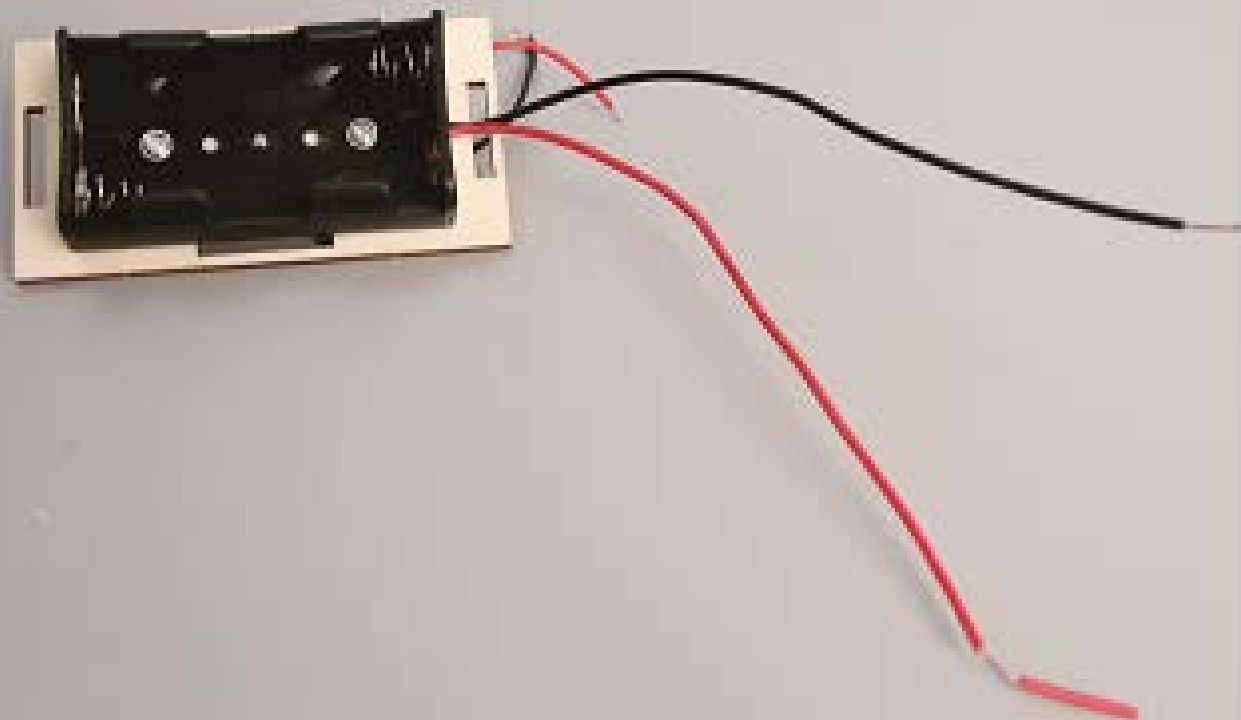


17

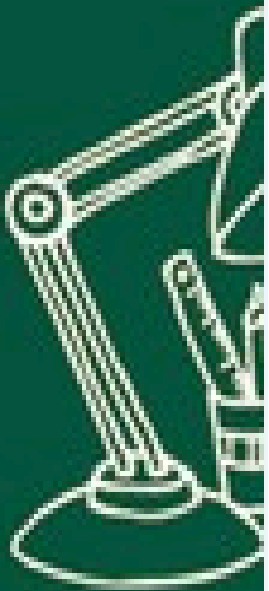


As shown, combine remote control board B with the No. 7 board and fix with 7mm screws.

18



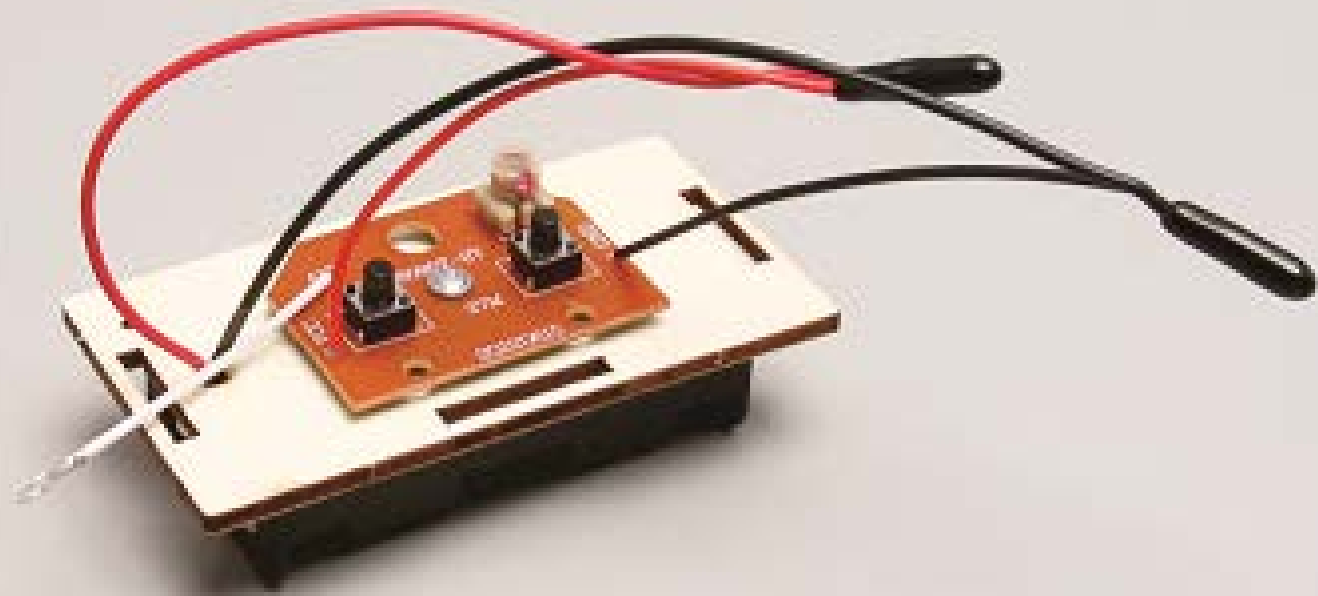
As shown, install the battery box on the back of Step 17 and fix with 4mm screws.







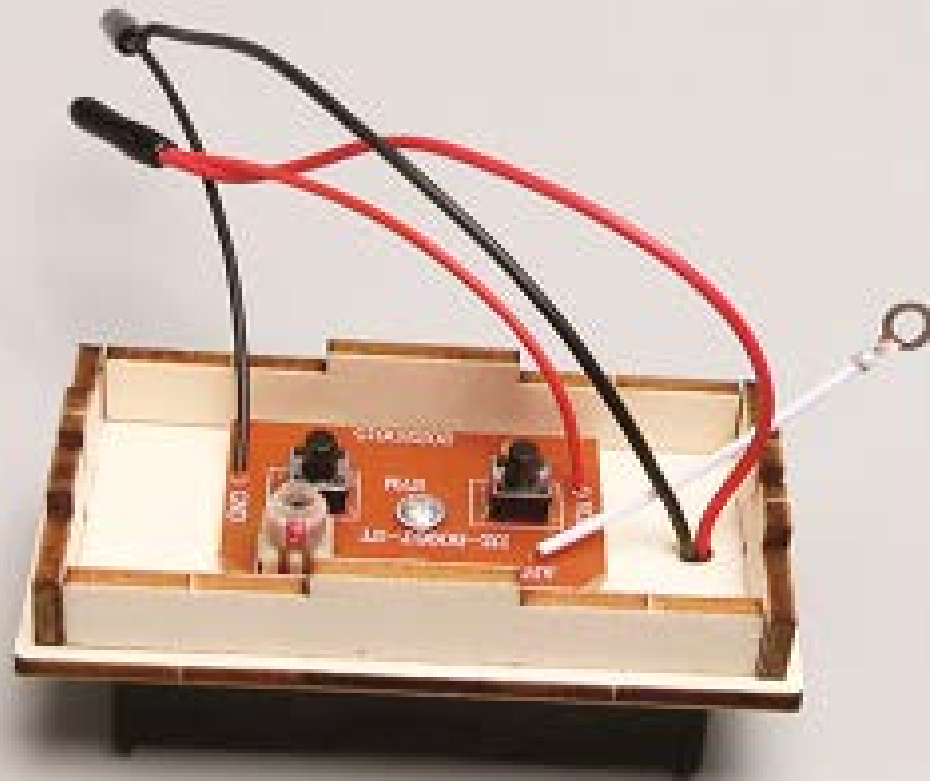
19



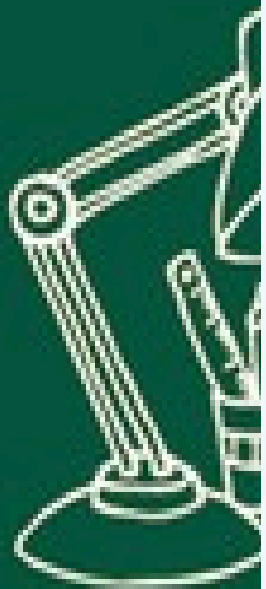
As shown, connect the battery box wires to remote control board B and insulate with heat-shrink tubing.



20

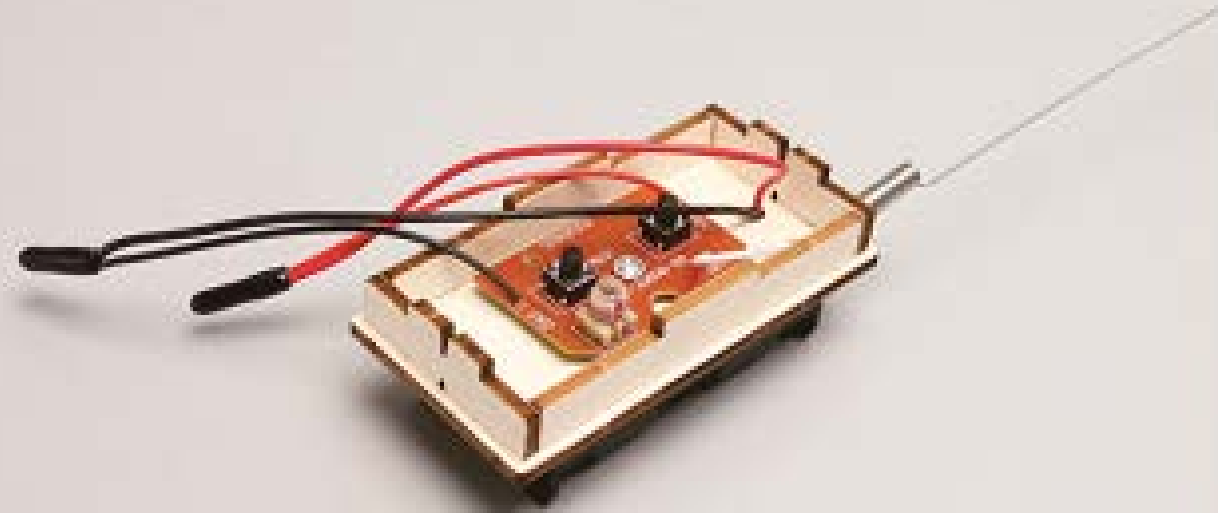


As shown, install two No. 10 boards and two No. 11 boards.



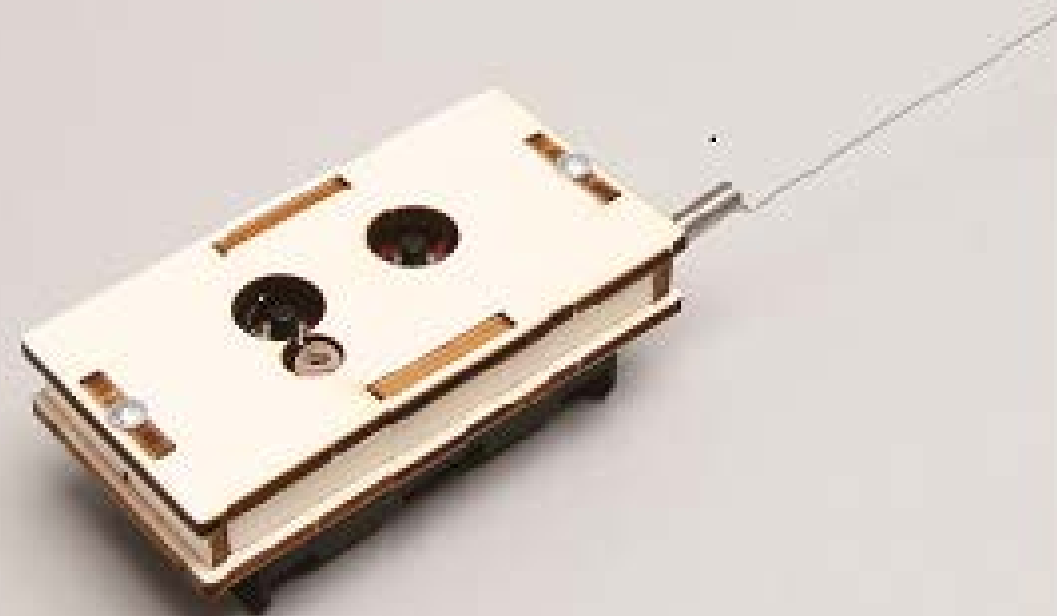


21



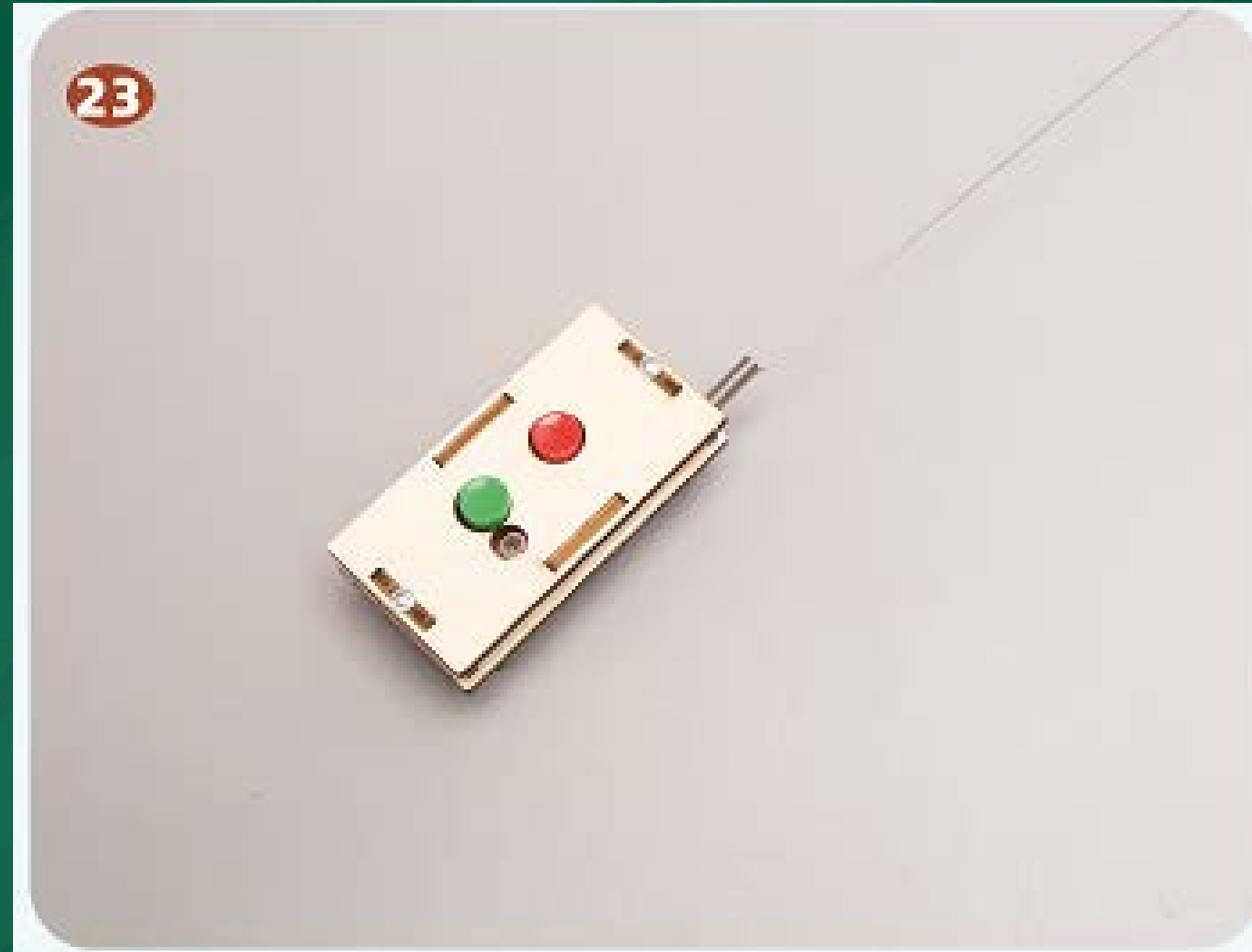
As shown, install antenna 2 and fix with 4mm screws.

22



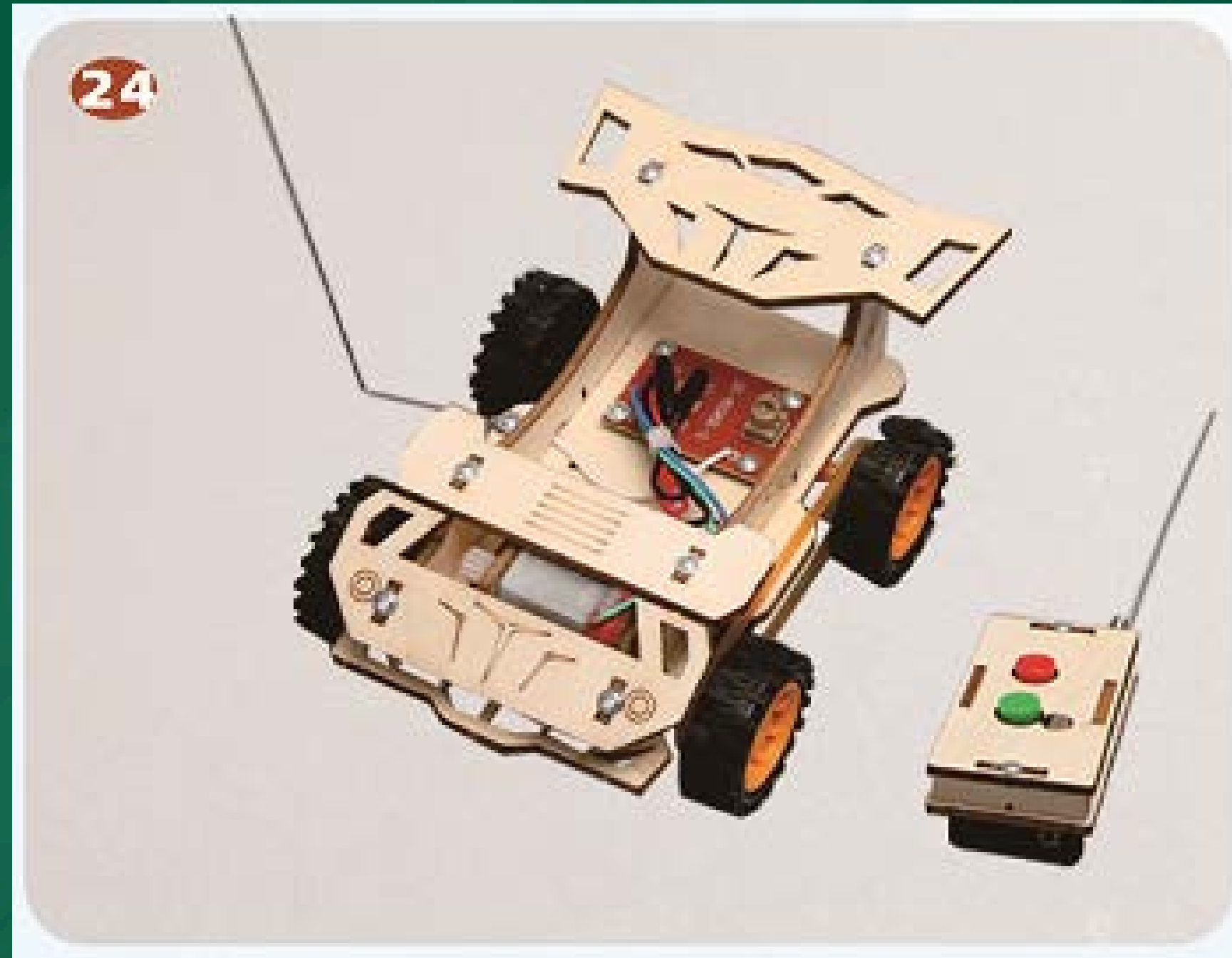
As shown, combine the No. 9 board with Step 21 and fix with 4mm screws.





As shown, install the red and green buttons (remote control completed).

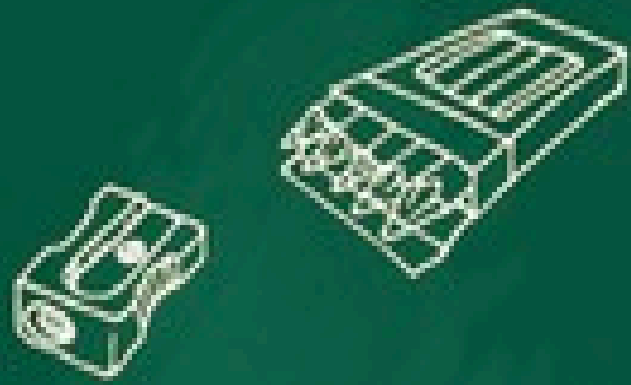




Product Assembly Completed







## Experiment Principle



Wireless remote control refers to the non-contact remote control of a target object.

A remote control system generally consists of two parts: a transmitter and a receiver.

The radio transmitting part usually includes a high-frequency oscillator that generates a constant amplitude carrier wave and a low-frequency oscillator that produces a modulation signal.

