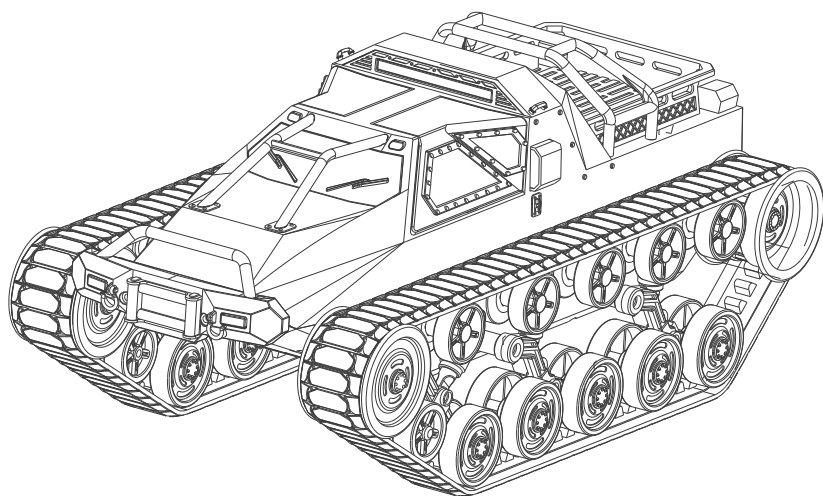


Ruko[®]

8+
for age

User Manual

v1.0



Q111

Contents

1 Using This Manual	2
1.1 Legend	2
1.2 Read Before the First Use	2
1.3 Video Tutorials	2
2 Product List	3
3 Transmitter	4
3.1 Transmitter Profile	4
3.2 Using the Transmitter	4
3.3 Installation of Transmitter Batteries	4
4 Remote Control Tank	5
4.1 Remote Control Tank Diagram	5
4.2 “Smoke”	6
4.3 Battery	7
5 Operation	9
5.1 Pair the Transmitter	9
5.2 Moving	10
5.3 Braking	11
5.4 Speed Changing	12
6 Appendix	13
6.1 Specification and Accessories	13
6.2 Common Problems and Solutions	14

1 Using This Manual

1.1 Legend

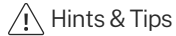
- The following terms are used throughout the product literature to indicate various levels of potential harm when operating this product :



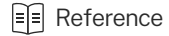
Recommend



Warning



Hints & Tips



Reference

1.2 Read Before the First Use

- Read the following documents before using the Ruko Q111:
 - ① User Manual
 - ② Quick Start Guide
 - ③ Disclaimer and Safety Guidelines
- It is recommended to watch all tutorial videos first and read the Disclaimer and Safety Guidelines before using for the first time. Prepare for the first use before reviewing the Quick Start Guide and refer to this User Manual for more information.

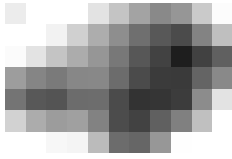
1.3 Video Tutorials

- Visit the following link to watch the tutorial videos to ensure correct and safe use of the product.

<https://www.ruko.net/pages/video>



2 Product List



RC Tank



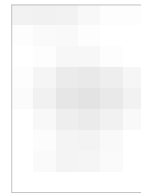
Transmitter



Battery



USB Cable



Mini Water Bottle

User Manual



Disclaimer & Safety Guidelines



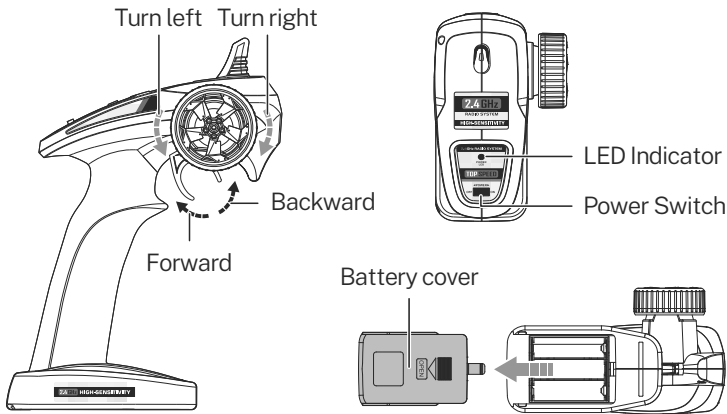
Quick Start Guide

3 Transmitter

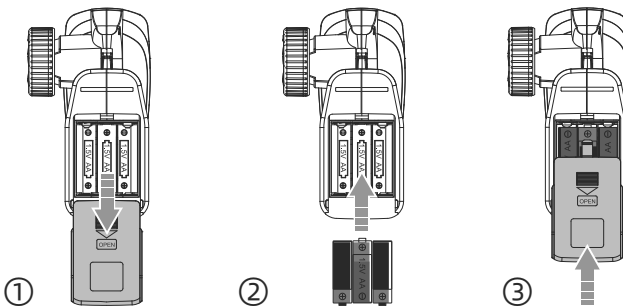
3.1 Transmitter Profile

- The remote control uses the 2.4 GHz frequency, and the remote control distance is up to 80 meters in an unobstructed and non-interference environment.
- The remote control is not a full-scale gun-type remote control, which adopts stepless speed changing, it can freely adjust the speed and steering extent.
- The remote control uses 3pcs AA batteries, you need to prepare by yourself.

3.2 Using the Transmitter



3.3 Installation of Transmitter Batteries

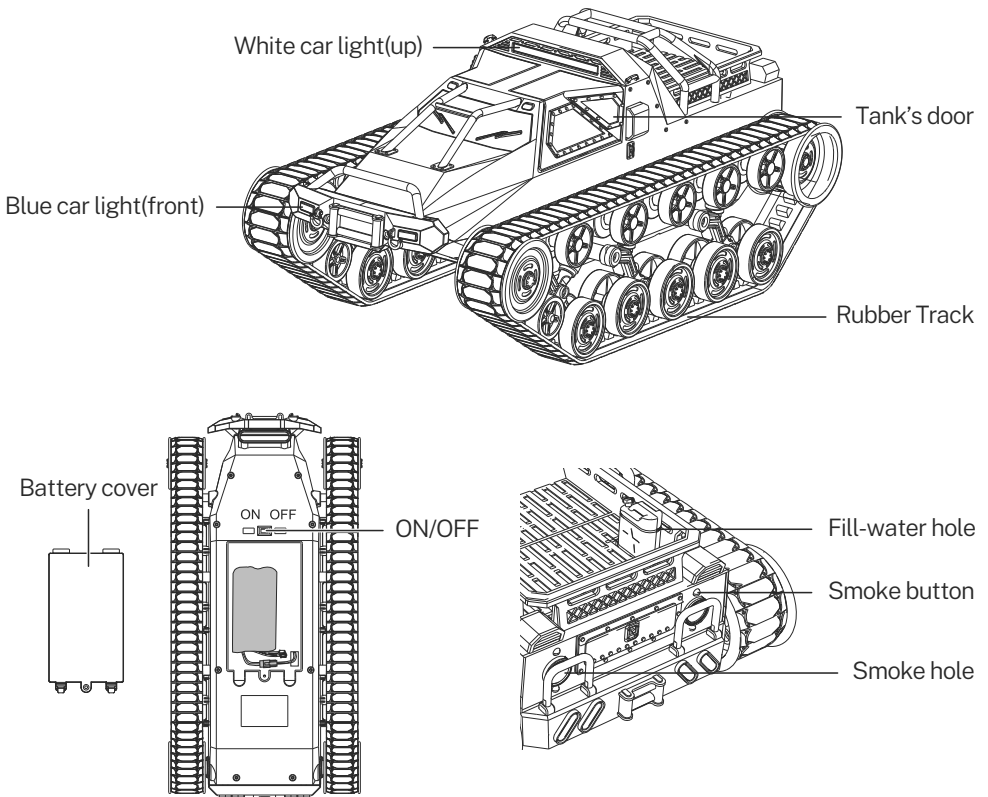


- ① Move away the battery cover.
- ② Install 3pcs 1.5V “AA” alkaline batteries((prepare by yourself), pay attention to whether the anode and cathode of the battery are correctly installed.
- ③ Close up battery cover.

⚠ Please correctly installed transmitter batteries, avoid damage.

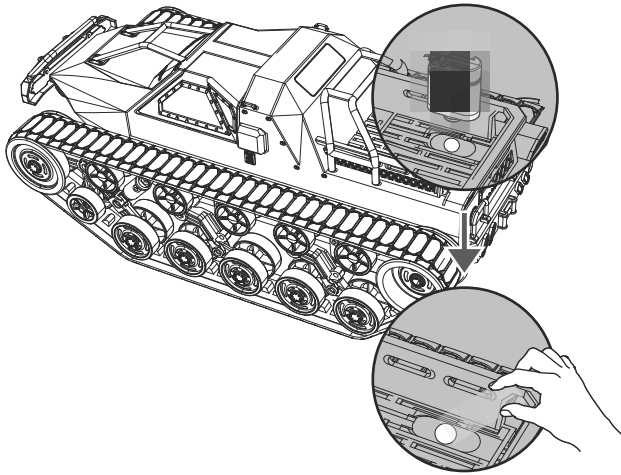
4 Remote Control Tank

4.1 Remote Control Tank Diagram



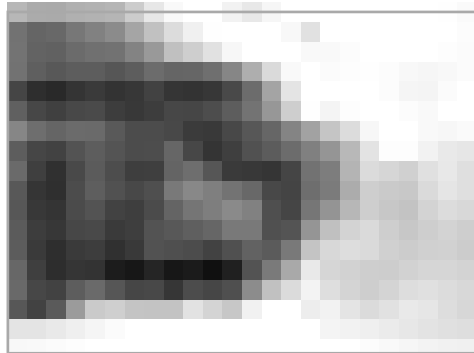
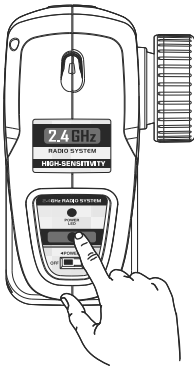
4.2 “Smoke”

• Add Water



- ① Open the water plug, fill about 50ml of water by using water bottle.
- ② Please close the water plug tightly after adding water.

• Smoke

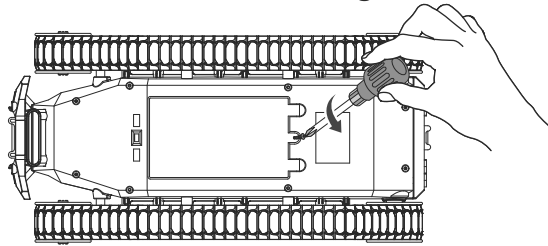


- ① Short press the remote control smoke button to enter smoke mode.
- ② The light at the smoke hole of the remote control car lights up, and the smoke is automatically sprayed. The smoke volume will increase according to the increase in the running speed of the tank.
- ③ After fill up with water, smoke continually about 8-10 minutes, and the cumulative spray time is 10 minutes, then shut down automatically.

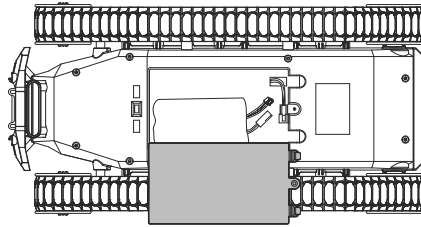
- ⚠ • Please fill in clean water correctly, and do not add other unknown liquids or particles.
- When there is no smoke, please check whether there is water in the tank, and if there is no water, please fill it in time. Check whether the smoke hole is blocked or there is water droplets, please clean it up in time.
 - When adding water, be careful not to wet other parts of the car body, avoid to damage the electronic components.

4.3 Battery

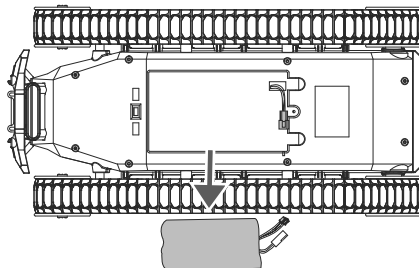
Battery of remote control car disassemble and recharge



① Loosen the battery cover screw.



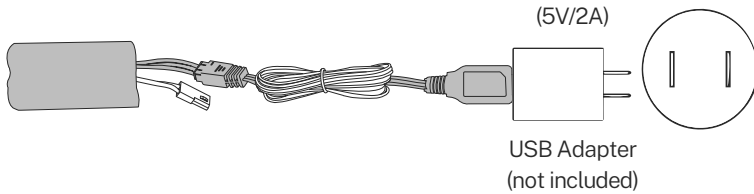
② Remove the battery cover.



③ Take out the batteries.

Battery charging and maintenance

- The battery capacity of the remote control car is 1500mAh, the rated voltage is 7.4 V, and the normal use time is about 45 minutes.
- When the remote control tank slows down or stops running, the blue light on the front of the tank will flash when it is in a low battery state. Please continue playing after charging.

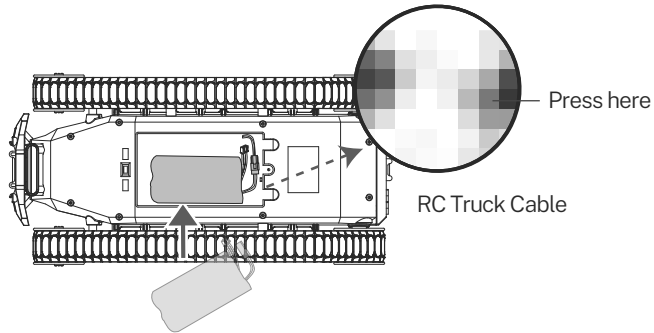


- Please use 5V 2A USB charging plug.
- In the charging state, the green indicator light of the charger will flash, if the charging is completed, the green indicator light will be steady on.
- The charging time is about 3 hours, please remove the charger in time after charging.

save the daily advice

- It is recommended to charge and discharge it once a month, do not store with a full charge, keep 50%-60% of the electricity, the storage temperature is 10-40°C, and the best storage temperature is 19-21°C.
- If water enters the battery and the battery protection board fails, the battery cannot be used normally. Do not use the battery in the rain or in a humid environment, as this may cause the battery to ignite or even explode.
- If the battery is squeezed and deformed, or dropped from a high altitude, it is forbidden to use it again.
- Prolonged exposure to high temperature is forbidden. The high temperature of the battery will cause the internal pressure of the battery to be too high and cause an explosion.
- If the anode and cathode poles are short-circuited for a long time (for example, there is water at the battery contacts, caused by foreign objects like hair, etc.), the protection board IC will fail and disconnect, and the battery will not work normally.
- It is forbidden to use fast chargers that exceed the rated power of the battery. Use 5V/2A USB charger.
- If the remote control car is not used for a long time, the battery must be removed to prevent the battery from being in a long-term low-power discharge state.

Install the Battery



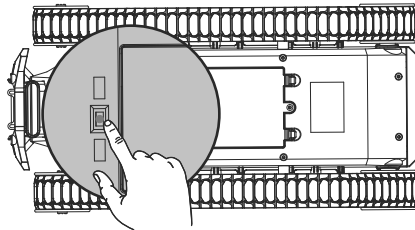
- ① The RC truck cable connects the battery.
- ② Close the battery cover.
- ③ Tighten the screws.

- ⚠ • When you install or remove the battery cover of the car, you can use a tool to remove it, please be careful to avoid scratches.
- Ensure that the battery cover screws are tightened correctly to prevent the battery from falling.
 - Please correctly connect the battery and the RC truck cable interface to ensure that it is installed in place.

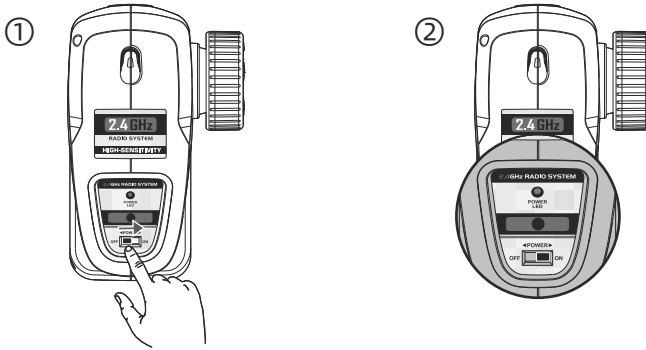
5 Operation

5.1 Pair the Transmitter

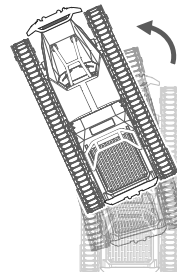
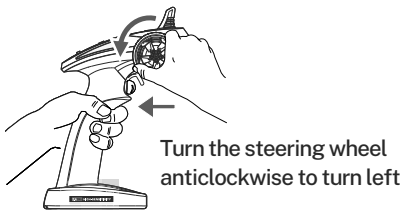
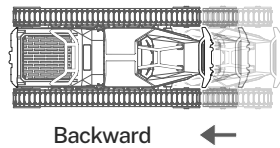
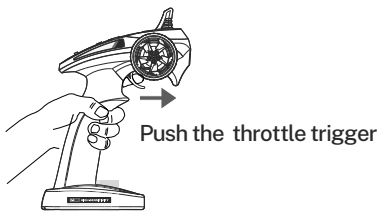
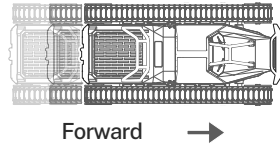
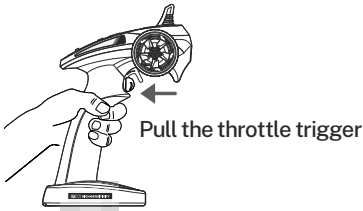
- Long press to turn on the remote control tank.

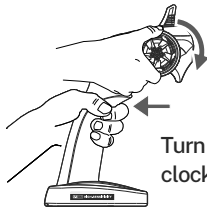


- Swipe right to NO to turn on the remote control.
- Enter automatic pair, beep, beep, beep and beep three times, the blue light on the front of the car and the indicator of the remote control are always on, means that the pair is successful.

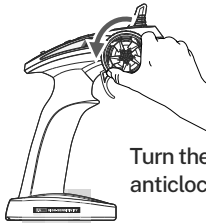
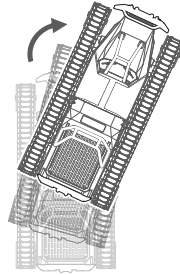


5.2 Moving

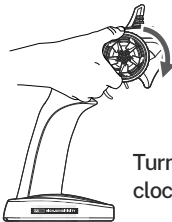
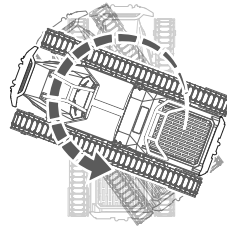




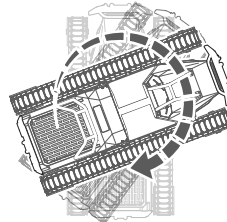
Turn the steering wheel clockwise to turn right



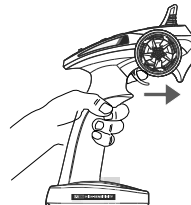
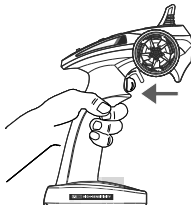
Turn the steering wheel anticlockwise 360°



Turn the steering wheel clockwise 360°



5.3 Braking



- When the remote control car is moving forward, it will brake when the throttle stick is moved to the backward direction. Toggle the back button for the second time or hold it for 3 seconds before the remote control car can go back.

5.4 Speed Changing

- Speed Changing: The remote control car adopts infinitely speed changing.
- Speed control: The walking speed can be controlled by pressing the forward and backward trigger range of the remote control to adjust the control speed. The greater the amplitude, the faster the speed.
- Steering speed control: the remote control car is equipped with a differential, which can complete a smooth turn. The steering speed can be adjusted and controlled by turning the steering button. The greater the amplitude, the faster the steering speed.



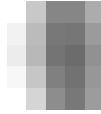
- When the remote control car slows down or stops working, please check whether the battery is low, and replace the battery when it is low.
- Excessive friction when rotating 360 degrees on rough ground may cause the track to fall. Please select a suitable ground to use this function.
- After use, please pay attention to cleaning the body dust or foreign objects to avoid blocking the spray holes or causing damage to the components.
- The track of the remote control car is equipped with a self-adjusting function. It will become longer if the track expands and shrinks when running on a hot ground for a long time. When the length changes beyond the adjustment range, the track will fall off when turning at high speed or rotating on the spot.

6 Appendix

6.1 Specification and Accessories



USB Cable



Battery



Crawler

6.2 configuration parameter

- Remote control type: 2.4G full-scale gun-type remote control.
- Remote control battery: 3pcs AA batteries (self-provided).
- Remote control distance: 80 meters.
- Body battery; 18650 7.4V 1500mAh.
- Speed governor: stepless electronic speed governor.
- Differential: double planetary differential.
- Charging time: about 3.5 hours.
- Use time: about 23 minutes /each battery.
- Charging status: charging red light flashes green light, full of charge always bright red and green light.
- Drive type: track drive.
- Speed: about 12 km/h.
- Power gearbox: 380 motor.
- Shock-absorbing suspension: self-adjusting.
- Water tank capacity: about 50 ml.
- Smoke time: continuous about 8 minutes.

CONTACT US FOR MORE TECH SUPPORT

✉ rukotoys@gmail.com

☎ +1 (949) 394 - 4635 (Available from 6pm to 3am PDT)

Printed in China.

6.3 Common Problems and Solutions

Question	Reason	Solutions
Go forward or backward automatically after turning on and pair	Holded the forward or backward button when the remote control pairing	Please restart to pair, and do not touch the forward and backward buttons when turning on the remote control
Change direction automatically after turning on and pair	Holded the steering wheel when the remote control pairing	Please restart to pair, and do not touch the steering wheel when turning on the remote control
There is the sound of electric current after turning on	The forward and backward buttons of the remote control did not return to the right position	Return the button of the remote control to the original point, it is normal that there is a slight sound of electric current
The remote control car slows down or stops running	<ol style="list-style-type: none"> 1. Low battery 2. Play for a long time in hot weather, automatic high temperature protection 	<ol style="list-style-type: none"> 1. Use it after replacing a charged battery or recharging the battery 2. Waiting for the temperature of the remote control car to decrease
The "smoke" becomes smaller or stops	<ol style="list-style-type: none"> 1. The water in the tank is not enough 2. The "smoke" nozzle is clogged with dust or water drops enter when adding water 3. The "smoke" function will automatically stop one time every 10 minutes 	<ol style="list-style-type: none"> 1. Fill water in time when there is no water 2. Clean up dust, water drops and other on the metal sheet of the "smoke" hole 3. Press the "smoke" button again to turn on the "smoke" function
The rubber track falls off	<ol style="list-style-type: none"> 1. Violent turning or rotation on rough ground, too much friction will cause it to fall off 2. Playing for a long time on high-temperature roads, the temperature of the track will rise and become soft, then the rubber track falls off 3. Severe crawler wear 	<ol style="list-style-type: none"> 1. Choose a suitable ground to play, and operate slowly when turning on the ground with high friction 2. Choose a suitable place to play. When the temperature of the track is high, please operate slowly 3. Replace the track
When the car is moving forward, it will not go back directly even putting backward button	When the remote control car is moving forward, pressing backward button at the first time means brake function	Press the second time for the back function, or holding it for 3 seconds will also execute the back function
Short endurance time or no charging	<ol style="list-style-type: none"> 1. The battery is not fully charged 2. The correct charger is not used 	<ol style="list-style-type: none"> 1. The charging time of the remote control tank is about 3 hours. 2. Use a 5V=2A charging head, and a original charging cable

Ruko[®]

rukotoy.com