

# OPERATING MANUAL

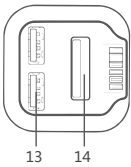
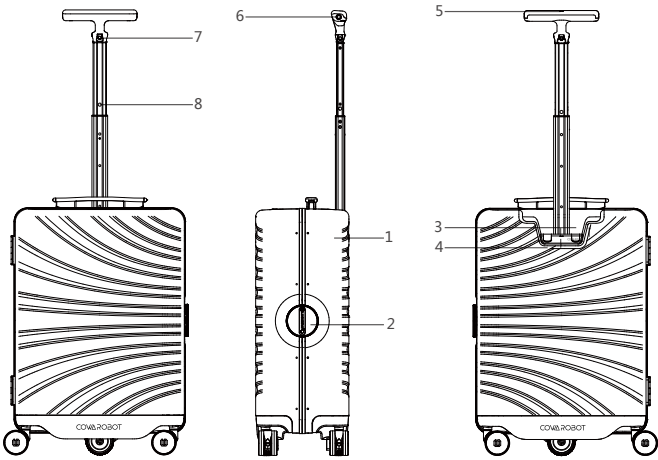
**THANK YOU FOR PURCHASING COWAROBOT ROVER ROBOTIC SUITCASE.**

Before using ROVER, please read the operating manual carefully and follow all the instructions, notes and warnings contained. Otherwise, any damage caused by incorrect operation is not within the scope of warranty. Please keep properly the operation instruction and warranty card.

## Product Catalog

|                                   |    |                                        |    |
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# Get to Know COWAROBOT ROVER



- 1. Suitcase
- 2. Lock
- 3. USB Port
- 4. Power Button
- 5. Suitcase Status Indicator
- 6. Following Button
- 7. Camera
- 8. Laser Radar

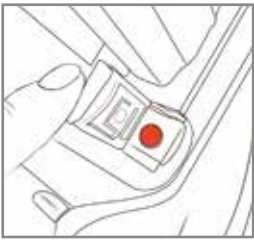
- 9. Battery
- 10. Battery Lock-up Switch

- 11. Battery Indicator Button

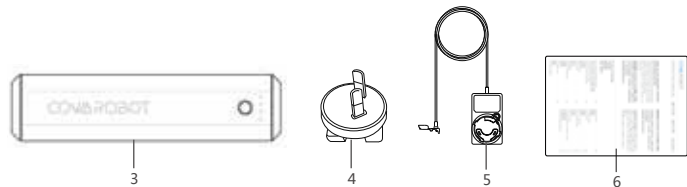
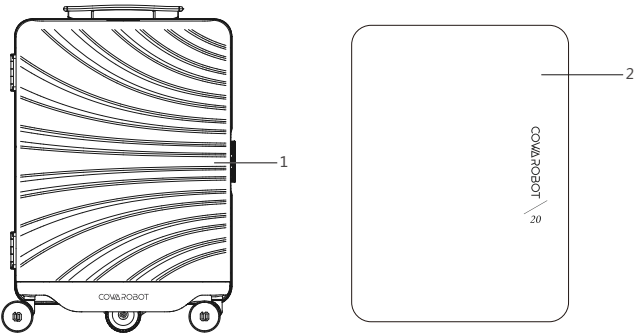
- 12. Power on/off Button

- 13. USB Port
- 14. Stuck Slot

! Power button can be used both to start up & shut down.



## Products and Accessories

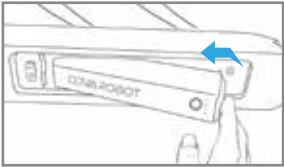
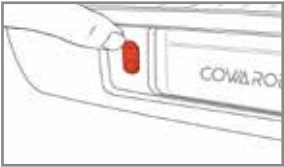
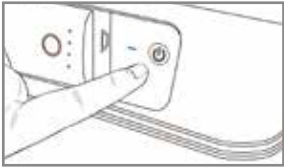


- 1. ROVER Robotic Suitcase
- 2. Suitcase Protective Covers
- 3. Battery
- 4. Travel Adaptor
- 5. Power Adapter
- 6. Operating Manual & Warranty Card

# Quick Start

## 1 Activate the Autonomous Following Mode

Power on

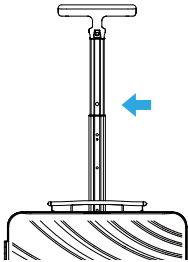
|                                                                                                                                                                                     |                                                                                                                                                                                       |                                                                                                                                                                                                       |                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>1</div> <div></div> <div>Rotate the main lock 90 degrees clockwise to open the suitcase</div> | <div>2</div> <div></div> <div>Insert the battery to the left and press it to the right to lock</div> | <div>3</div> <div></div> <div>Lock the battery lock-up switch.<br/>( Flat switch indicates the locked status)</div> | <div>4</div> <div></div> <div>Long press the power button to power on/off</div> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|

- !

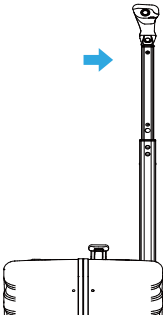
If the battery is installed successfully, the power light will flicker.
- !

When travel by air, please take out the battery separately to go through the safety check.  
Please turn off the power before boarding the plane.

Pull up the draw bar completely to fully expose the laser radar



Activate the autonomous following mode



Start with the following button on the handle:  
Press either button on the both side of the handle to start following.

## 2 Mode Switch

In auto mode, place your hand on/ gently hold the handle to switch ROVER to manual mode.



## 3 Start with Your APP

1

Option1, Search "COWAROBOT" in the APP store.  
Find & download "Rover" APP.  
Option2, Scan the quick response code, download  
the appropriate APP version for your mobile phone.



2

Open the APP, register an account with  
your phone number and then log in  
in the operation interface.

3

Tab "Pairing Suitcase" to search devices, enter the  
PIN code to pair with your suitcase (The default PIN  
code is 123456).

4

Bind your suitcase according to the prompts.  
Then the suitcase can be controlled by APP  
after successfully binding. For more details  
on APP operation, please refer to APP instruction.

# Product Parameters

| Product Specifications     |               |
|----------------------------|---------------|
| Size (include wheels)      | 380X210X550mm |
| Weight                     | 5.5kg         |
| Volume                     | 32L           |
| Suitcase Material          | PC            |
| Interior Material          | Fabrics       |
| Optimum follow load-weight | ≤11kg         |

| Battery Parameters |                               |
|--------------------|-------------------------------|
| Battery Capacity   | 14.4V/6400mAh                 |
| Battery Weight     | 500g                          |
| Power of Battery   | 92Wh                          |
| Standby Time       | 1-2days                       |
| Charging Time      | Around 4 hours and 20 minutes |
| Endurance          | Within 5 hours or 20km        |

Rover has different endurance with different load weight,the maximum value is 5h/20km.

 The battery capacity is 6400mAh and its voltage is 14.4V which is equivalent to 3.7V, 24800mAh in the case of mobile phone charging. (The limited charging voltage of mobile phone is generally 3.7V).

The best following effect is within 11kgs of load weight,overloading may lead to slower walking etc.

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## CO-SMART Lock

ROVER robotic suitcase is equipped with a rotate-to-open smart lock, which has TSA, electronic and combination locks combined together.

Locked Status: Combination lock, TSA lock and electronic lock are all in a closed status.

Unlocked Status: Any of the combination, TSA and electronic lock is in an open status.

## 1 Electronic Lock



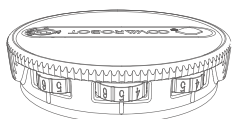
The electronic lock can be controlled by the switch button in your APP.

## 2 Special Instruction

The electronic lock can be used normally only when the suitcase is energized and it will lock autonomously in the case of normal shutdown or running out of power. If the electronic lock fails to locking due to abnormal shutdown, please reboot it.

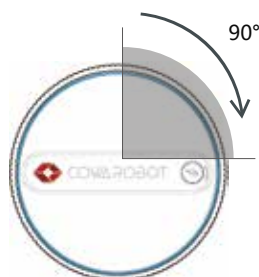
## 3 Opening Procedure

1



Unlock with the combination lock or electronic lock.

2



Clockwise rotate 90 degrees to open the suitcase.

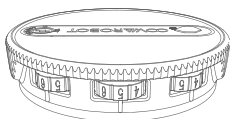
⚠ In general case, we suggest our customer to use the electronic lock, while ensure the TSA and combination lock are closed.

## 4 Password Modification Steps

1

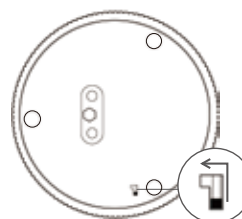
Entering the correct password, rotate clockwise the lock to open the suitcase. Then contrarotate the lock and find the password reset paddle on the back.  
( Initial password : 000 )

2



Change the password

3



Put back the paddle

⚠ Please amend your initial password timely when you receive the suitcase.

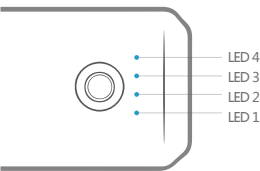
 The TSA lock is turned off by default, which can only be opened with the dedicated key when go through custom inspection.

## 5 CO-SMART lock lighting system

| Color                                                                                             | Flash Frequency                                                           | Status                                   |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------|
| <div>Blue</div>  | LED will breath once then quickly blink twice                             | Power on                                 |
|                                                                                                   | LED quickly blink twice, then breath once                                 | E-lock unlocked                          |
|                                                                                                   | LED will breath once                                                      | Bluetooth successfully paired            |
|                                                                                                   | LED blinks rapidly at the same frequency                                  | E-lock locked, combination lock unlocked |
| <div>Red</div>  | LED blinks rapidly at the same frequency, then light off after 30 seconds | E-lock breakdown                         |
|                                                                                                   | LED will keep breath and light off after 30 seconds                       | Bluetooth disconnected                   |
|                                                                                                   | LED blinks in rapid succession till the proximity alarm cancelled         | Proximity alarm                          |
|                                                                                                   | LED will breath once                                                      | E-lock properly locked                   |
|                                                                                                   | LED lights up, then slowly fades                                          | Power off                                |

# Smart Battery

COWAROBOT smart battery not only supplies power to the suitcase, but also can be removed from the suitcase to charge your electronic products separately.



- When battery level reaches 76%-100%, LED1-LED4 will lights up in turn, flicker twice and then go off.
- When battery level reaches 51%-75%, LED1-LED3 will lights up in turn, flicker twice and then go off.
- When battery level reaches 26%-50%, LED1-LED2 will lights up in turn, flicker twice and then go off.
- When battery level reaches 11%-25%, LED1 lights up, flickers twice and then goes off.
- When battery level reaches 0%-10%, LED1 flickers twice and then goes off.
- Tap the battery indicator button, the LED light will display the battery capacity. When charging, the LED light will blink to indicate the current charging status.

 Please remove battery from the suitcase according to the following steps:

|                                                      |                                                                                            |                                                       |
|------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------|
| <b>1</b><br>Turn off the power of the suitcase first | <b>2</b><br>Turn on the battery lock-up switch ( Turnup switch indicates unlocked status ) | <b>3</b><br>Press to the left to take out the battery |
|------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------|

 The battery should be charged with our dedicated adapter.

To charge a battery by inserting a plug at first then connecting.

# Legal Notice

This manual has contained as much functions as possible when printed. But due to the continued improvement of product functions and changing design, it may have a discrepancy between the functions introduced in the manual and the product you bought. Please forgive us for any inconvenience.

Please stay tuned to our official website- [www.rover-cowarobot.com](http://www.rover-cowarobot.com). We will release the latest version at first time.

To the full extent permitted by law, COWAROBOT assumes no responsibility for any direct, indirect or any other forms of person injury, property damage as well as legal dispute caused by user's not complying with the instructions or notes.

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The Company is not responsible for any indirect, special, punitive, incidental or consequential damages and damages (including loss of profits, indirect losses, incidental damages, loss of data, loss of tax or other economic benefits).

## • Applicable Laws and Dispute Resolution

This manual applies to the laws of the People's Republic of China. The dispute arising from the manual or the products of the Company shall be settled through consultation; if the consultation fails, it shall be under the jurisdiction of the people's court of the place where the Company is located.

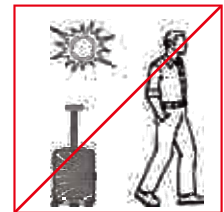
# Safety Instructions

## Notes

1. Please stay in front of the main lock within 0.5 meter until autonomous follow function being activated.
2. Suggest not to activate the autonomous following function under the strong sunlight.
3. **Rover must be switched OFF during the course of the flight. Power banks must NOT be used to charge electronic devices or used as external power sources during the course of the flight.**
4. Do not lift the suitcase with the handle.
5. Please lift the suitcase when walk through stairs. Otherwise, it may cause tilting or damage to the suitcase.
6. Please lay the suitcase down on the ground in a moving car or some uneven and sloping places to prevent it being tilted or damaged.
7. Do not expose the suitcase to moist and unventilated place for too long. Please dry it in time once get wet in the rain. The suitcase is prohibited to be put in high temperature or fireplaces.
8. Do not use any corrosive solvent like banana oil or benzoline to wipe the suitcase.
9. Note that do not get your body or cloth clamped in the aluminum frame or lock when power off.
10. Please store the battery in a dry place. The battery capacity should remain above 50% of its rated capacity in the case of long-term preservation.
11. Be careful of the liquid leakage inside the suitcase. It may lead to internal short circuit.



1.



2.

## Warnings

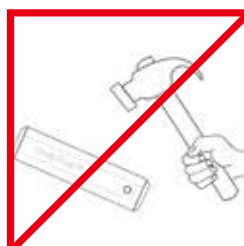
1. Do not sit or stand on the suitcase.
2. Do not disassemble, hit, crush or dispose the battery into fire, water. The battery is banned to use after soaking.
3. Do not leave battery near any corrosive material, fire and heat sources. If the battery severely inflates, please do not continue to use.
4. The battery should be charged only with our dedicated adapter. If using other adapters, the product will fail to work or being damaged. It might also result in fire. Malfunctions caused by using other adapters could not enjoy maintenance and warranty.
5. Please regularly dust out the power plug. Collecting dust in humid environment may result in fire risk.
6. Do not damage, force to bend or bind the power line. Do not place any heavy objects or expose the power line to extremely high temperature. Otherwise may result in fire, electric shock or product breakdown.
7. Do not connect and disconnect the adapter with wet hand. Otherwise may result in electric shock or product breakdown.
8. Do not insert foreign objects into USB port, high voltage charge/discharge interface or any other openings. Otherwise may result in fire, electric shock or product breakdown.
9. When in use, the battery shall be kept out of heat, high voltage and direct sunlight as well as avoided children's touching. Do not drop the battery.
10. Do not connect the anode and cathode of battery together.
11. Do not demolish or disassemble the battery by yourself.



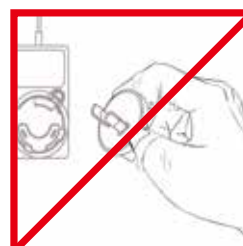
Please lift the suitcase when walk through stairs



Do not put the suitcase in high temperature or fireplaces



Do not disassemble, hit or press the battery



Do not connect and disconnect the adapter with wet hand



Do not submerge the battery in water

# Customer Service

## Please register as a COWAROBOT appliance owner

- Thanks for choosing to buy COWAROBOT ROVER robotic suitcase. To help us ensure you receive prompt and efficient service, please register as a COWAROBOT appliance owner. There are two ways to do this:  
Download COWAROBOT ROVER APP to register an account with your phone number
- This will confirm your ownership of your COWAROBOT appliance in the event of an insurance loss, and enable us to contact you if necessary.

## Warranty Policy

- Each product of COWAROBOT must go through rigorous tests before they leave the factory to ensure our products are strictly in line with the quality standard. Therefore, if any defects and malfunctions caused by material and manufacturing process occur under the free warranty, we will provide free repair or exchange service in accordance with warranty policy and condition.
- Expenses for delivering products to the service center, including packing, transport and relevant taxes, should be borne by owner or the warranty client.
- Free warranty: See warranty form for details. The free warranty period start from 0:00 the second day after received the product.
- The free warranty only applies to material and craft production defects. The following conditions are not within the scope of return and warranty: the usability being damaged by personal negligence, accident, exposing to extreme temperature, solvent, acid or water as well as normal wear; any damage caused by not using the product as required in the instruction; no warranty card; the receipt and warranty do not match the receipt information; exceed normal using condition which include but not limited to riding or overload; disassemble or repair product privately; maliciously damage the warranty card and suitcase information including fuzzy damage, tear to shreds, tamper with the content and etc; use our products for commercial purpose; In addition, the following situations are also not under warranty: damage caused by air handling, rough handling, overload packaging, improper consignment; scratch or breakage of suitcase, fabric and lining caused by personal negligence and accident; normal wear and aging of the product; fabric burns; dent of hard shell caused by impact; binding abrasion.

### Free warranty contents and terms of service

| Type                | Warranty contents                                     | Terms of service |
|---------------------|-------------------------------------------------------|------------------|
| Suitcase            | Suitcase shell, aluminum frame, wheel seat, handle    | 2 years          |
| Battery and charger | External charger, rechargeable lithium battery        | 6 months         |
| E-lock              | CO-SMART Lock                                         | 1 year           |
| Mainboard           | Main control panel and other electronic circuit board | 1 year           |

- You are required to present the completed letter of guarantee or original purchase invoice to enjoy the free warranty.
- For the product out of free warranty, COWAROBOT will provide compensable warranty service for life. The maintenance price for different parts depends on the market value and labor cost.
- If the accessories are missing, please contact the shop to buy.
- The bracelet and ROVER you receive are paired by default. Customer should buy a new bracelet separately if lost, then unbind the lost bracelet and bind the new one to pair with ROVER in APP. (For more details on operation, please refer to our APP operation instruction)

## Product Warranty Card

Name : \_\_\_\_\_ Contact No. : \_\_\_\_\_

Purchase Date : \_\_\_\_\_ Series Number : \_\_\_\_\_

Address : \_\_\_\_\_

| Date | Problem Description | Remark |
|------|---------------------|--------|
|      |                     |        |
|      |                     |        |
|      |                     |        |
|      |                     |        |

## FCC Statement

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This device for Handheld only, and

For handheld operating condition, SAR meets with FCC limit 4.0W/kg.