Ranababy®

FAMILY ROBOT

User's Manual

Overview

The "Ranababy" is a robot , which is designed to be a special communication device between family members, such as between a mother and her children, the owner and his dog. The RanaBaby can move around room when it is controlled remotely by mobile phone or other intelligent terminal. It is a running video phone in some sense.
The RanaBaby has man-machine interaction function too, such as when touch its left(right) shoulder it will turn to the left(right). In addition, when you control RanaBaby remotely by mobile phone , it can produce a variety of expressions, such as laughter, ecstatic, coy shy, dejection, airs etc.

With the aid of the intelligent mobile phone and the internet, you can share photos taken by the RanaBaby through the WeChat, Weibo, Face book and other social application software. As long as there is RanaBaby, even though thousands of miles away, young parents can still play games with kids or pets together by mobile phone, such as playing "hide and seek" with children, telling stories to children, with variable sound and expression amuse kids entertainment, etc. As long as there is RanaBaby, young can "often go home to have a look", chat with mom and dad on the scene personally.
The special feature of Ranababy is just one end of the operation, the robot completely without human action. This is the biggest difference with phone, Facebook ,Wechat etc.

Packing List

- Robot “RanaBaby”,1 piece
- Charging stand, 1 piece
- Charging Cable,1 piece
- User’s manual,1 piece

Getting Started

1)Make sure the wireless router work normally.（DHCP function of the router should be turned on. Generally ,this feature is enabled by default.）
2)Please download the "RanaBaby" application software, iPhone users in APPstore, Android phone users can directly download the App from our company's official website or other APP maket. (www.rana.cc)
3)Press the button at the bottom of the robot, hold more than 3 seconds. Turn on the power, two lights on the head should be lit.
4)Make sure the phone's Wi-Fi is turned on.
5)When two eyes blinking together, then the robot enters the setting state. Users need to join the “Ranababy" in the Wi-Fi settings, the password is 123456789. Then, open “RanaBaby” APP in the cell phone. Click the button at the upleft corner on the interface as Fig4,then enter "Robot management” interface as shown in Fig1.

Press the "+" button at the bottom as shown in Fig2. The interface as Fig3 will appear . The App will automatically search robot, and then Fig4 will appear until the App find robot and connect with it. Go to “Settings” interface, enter SSID and Password of the Wi-Fi network as shown in Fig5 and press the “Done” button on the bottom of the interface. When you have completed the above settings correctly, wait a few seconds, you can see the robot footage on a mobile phone. Then you can perform a variety of operations.

6)All Robots are set at the factory uniform login password 123456789, it is recommended to change the password in order to protect your privacy.

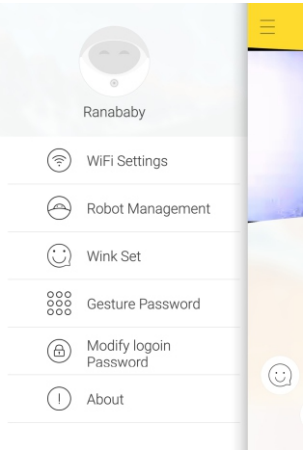

Fig1

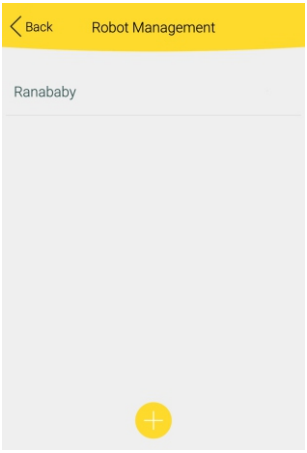

Fig2

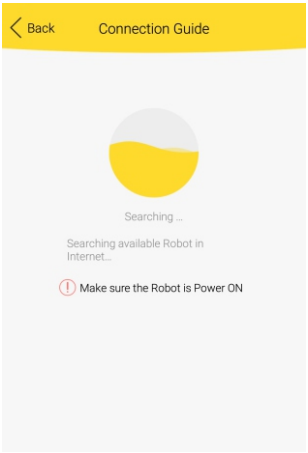

Fig3

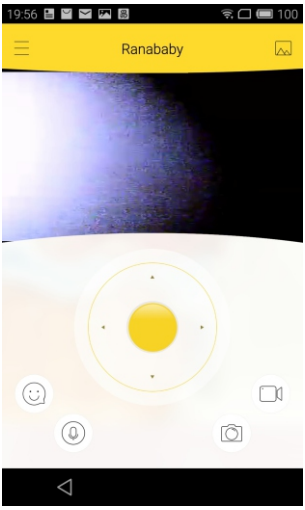

Fig4

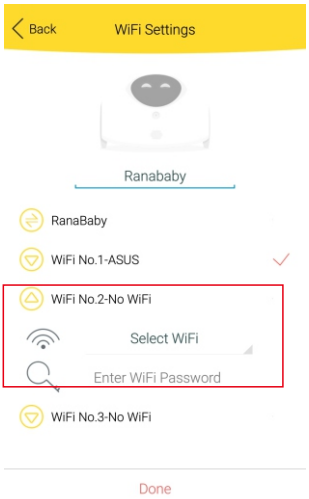

Fig5

Descriptions of parts and button

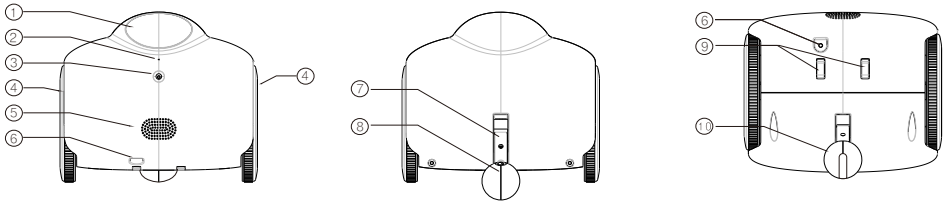

Fig6

1.Robot(Fig6)

1) Working window and indicator light
2) MIC
3) HD 720P camera
4) Left and right wheel
5) Speaker
6) The power switch button
7) Strut
8) Rear wheel
9) Charging electrodes
10) Rear cover

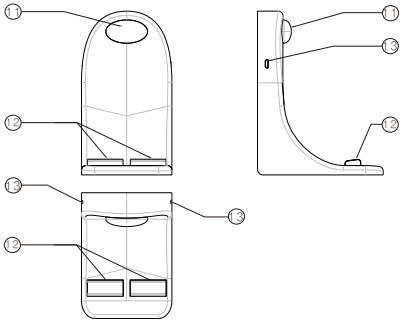

Fig7

2.Charging stand(Fig7)

1)Working window
2)The power adapter sockets (Micro USB),one in the left, another in the right.
3)Charging Electrode

Parameter

- Working environment: indoor(Hard ground)
- Using temperature range:0℃-50℃
- Storage temperature range: －10℃-70℃
- Operating & Storage Humidity: 50℃ (5~95)RH%
- Air pressure:86-106kPa
- Camera resolution：720p
- App support：iOS、Andriod
- Wireless network: 802.11b/g/n
- The lithiumion battery capacity: 3.7V 4400mAh
- Charging time≤8h,
- Charging current≤1.5A
- Active time≥5h; Standby time≥9h
- The charging voltage：5V,
- Charging mode: Semi-automatic
- Weight of robot:800g
- Weight of Charging stand:180g
- N.W.:1250g

- Robot Size （L*W*H） 177*170*151mm^3(Fig8)

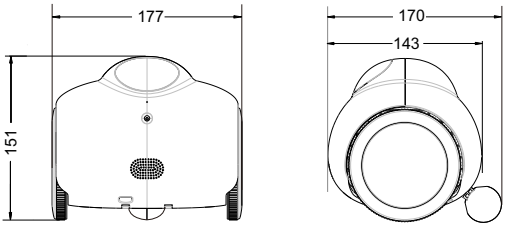

Fig8

- Charging Stand Size （L*W*H）114*82*149mm^3(Fig9)

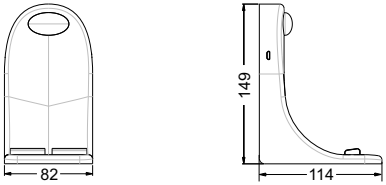

Fig9

- Package size: 260×200×182mm^3

- Horizontal Viewing Angle: 66° ,Vertical viewing angle:56° .
  Camera angle of inclination of 10 ° when Body is in an upright state（Fig10）.

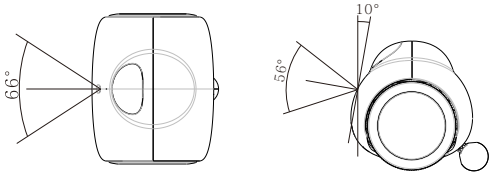

Fig10

- Maximum anteversion:25°
- Maximum elevation angle:23° （Fig11）.

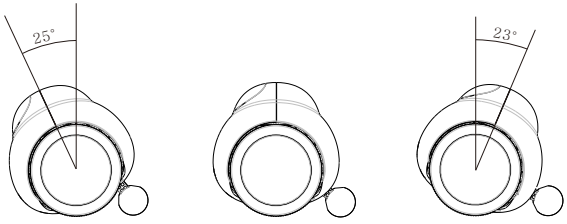

Fig11

- Across the barrier:Height of barrier⩽15mm(Upright or backward state).

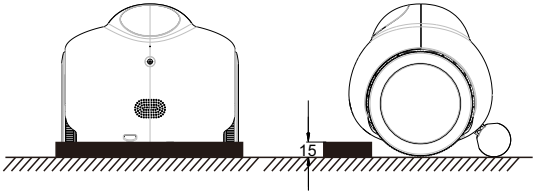

Fig12

Functions

1.To move through the remote control
  1)Going straight and turn
  2)Pivot steering
  3)Look up and down (Pitch)
2.Make a expression by remote control
3.Remote video browsing
4.Remote half duplex two-way voice intercom
5.Change the tone of speech
  For example,when you choose tom cat tone, your voice heard from robot will become tom cat tone .
6.Remote camera and share
  You can control RanaBaby remotely to take photos and share them through the We Chat, Weibo, Face book and other social application software.
7.Recording and video playback
  You can control RanaBaby remotely to record scenevideo and browse videos on the mobile phone.
8.Touch interaction(Fig13)
  1) Left(Right) shoulder①②—— turn left(Right).
  2)Belly③——issue a "laughter" expression
  3)Back of the head ④——turn back.
  4)Buttocks⑤——issue a “coy shy “expression

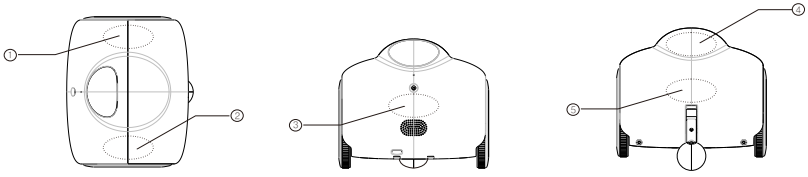

Fig13

10.Semi-automatic charging(Fig14)

Users drive the robot to near and face to the charging stand within the scope of the illustrated sector, then press the "charge" button, the robot will automatically onto the charging stand and start charging.Be careful not to place the debris around the charging stand.

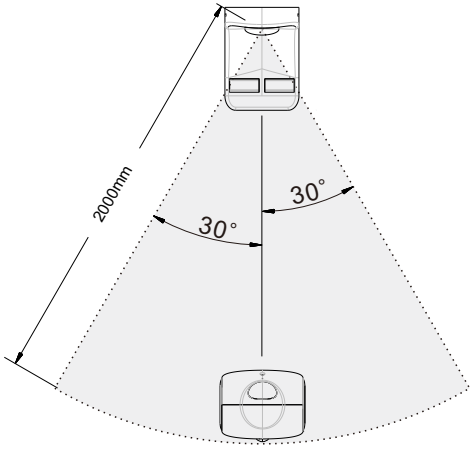

Fig14

"RanaBaby" APP instructions

1.Main interface

If you have added a Robot in App, the App will go directly to the main interface (Fig15).

1)Live video image displayed in the display region.

2)Put the finger on the upper half of display area and hold, the Robot will look up.Put the finger on the lower half of display area and hold, the Robot will look down.

3)Place the joystick to the upper and lower directions, and hold, the robot will go straight forward or backward. Let go ,the robot stopped.(Fig16).

4)Place the joystick to the right and left directions, and hold, the robot will turn left or right in place . Let go ,the robot stopped.(Fig17)

5)Inching the upper or lower button,the Robot will go forward or backword by small step. Inching the left or right button,Robot will turn left or right in place by small step.

6)Place the joystick to any other directions, and hold, the robot will go and turn .User can slide the joysrick to any directions at any time.(Fig16)

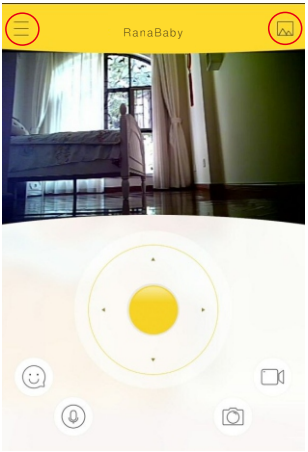

Fig15

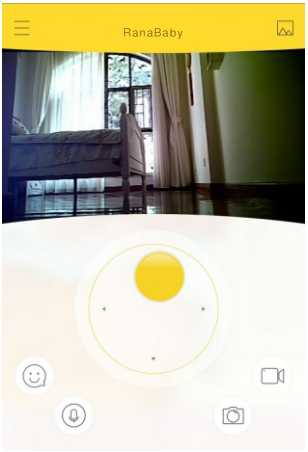

Fig16

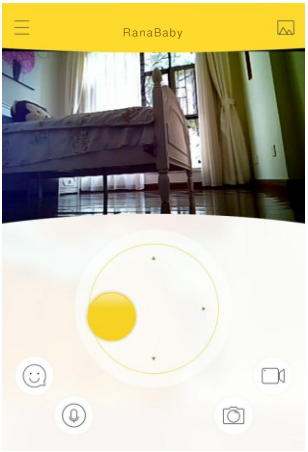

Fig17

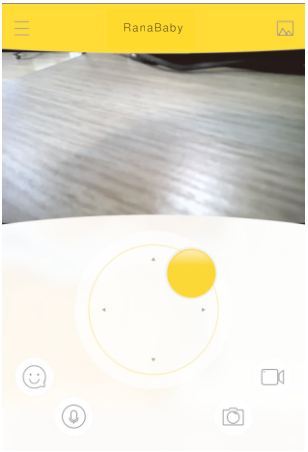

Fig18

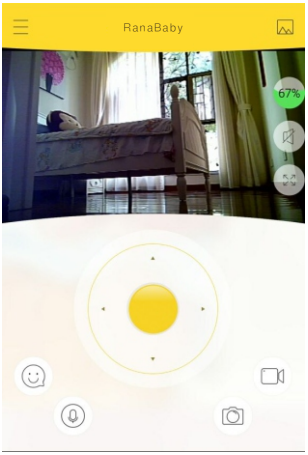

Fig19

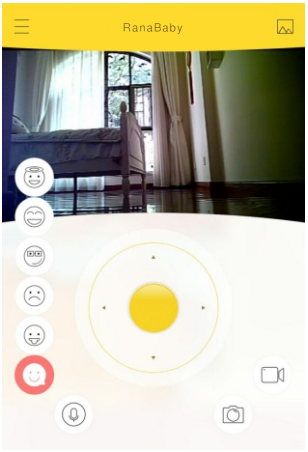

Fig20

9) The button on the top left of main interface is menu button(Fig15)

10)Buttons on the bottom from left to right are expression button, talk button, camera button, video button.

11)Click anywhere in the image area, it will pop up a small menu to the ight(Fig19).
The top one is a battery indicator and charging button. Users can press the "charge" button, the robot will automatically onto the charging stand and start charging.
The middle one is the mute switch.
Horizontal screen button is at lowermost.

12) Press the "Expressions" button will pop up 6 expressions.From top to bottom, followed by laughter, ecstatic, coy shy, depressed, airs. Press one of the buttons; Ranababy will issue the corresponding expression.(Fig20)

13)Press the "talk" button and hold, then talk to the mobile phone, then finished and let go, and then pop up a screen (Fig22).When the voice transmission is completed, restore the main interface screen. Click the "talk" button will pop up 4 tones shown as Fig23.You can choose any one to change the tone of speech.

14)Press the record button , the robot start recording, press again to stop recording.

Fig21

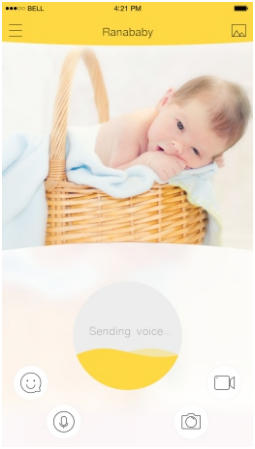

Fig22

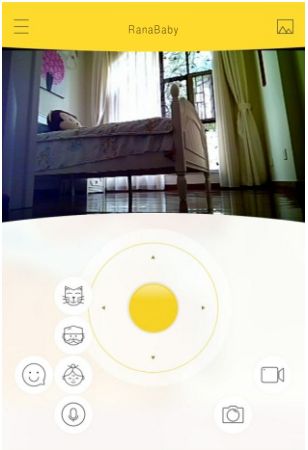

Fig23

2.Menu

1) Settings(Fig24)

The word in red box is the name of robot,you can name it by yourself.

There are four options , WiFi No.1~No.3 are extenal WiFi ,these three wifi networks can be writed in Robot. The Robot will switch automatically among these three networks. The "Ranababy" is a special network .when the robot is used with no external wifi, two eyes of robot will flash together. In this state, when you choose "Ranababy" here ,the App will connect with robot directly without external wifi .

2) Robot management

a) A mobile phone can supports multiple robots, each robot can be named by its user. Only one robot can be controled remotely by cell phone simultaneously. You can switch between different robots in the "Ranababy Management".(Fig26).

b) If a robot has not been added to the software in the past, as long as the phone and the robot share a same router, press the + sign at the bottom, the robot will appear in the list.

c) Press the + sign, if a interface shown as Fig28 is poped up , you can press "scan QR" button, scan the QR code on the bottom of robot to add a new robot.

d) If there is a new robot witch is not be writed any network.Press the + sign, and then follow the steps to "Getting Started" describes operations.

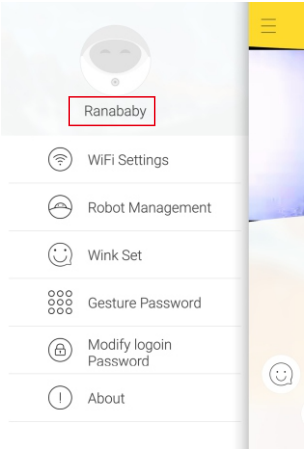

Fig24

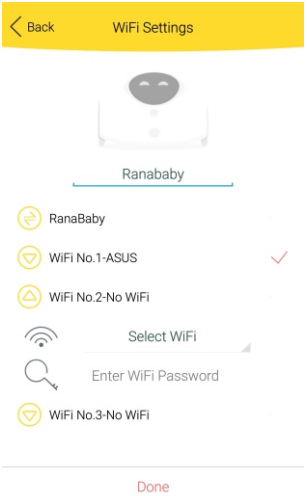

Fig25

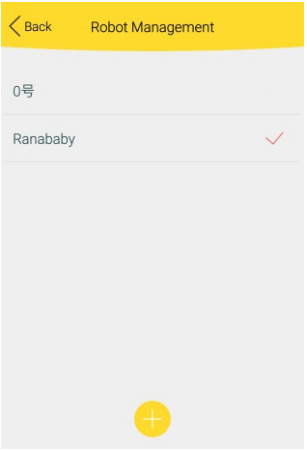

Fig26

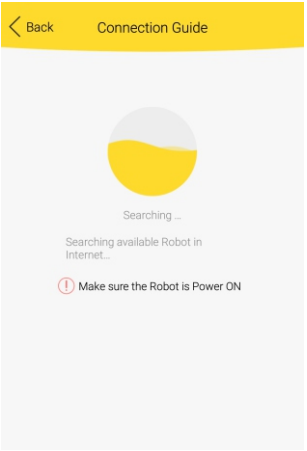

Fig27

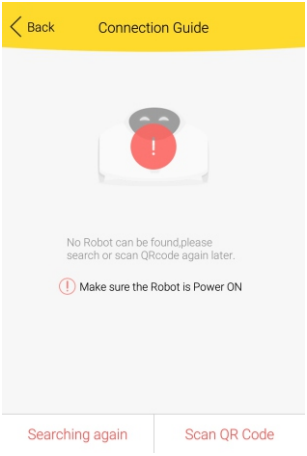

Fig28

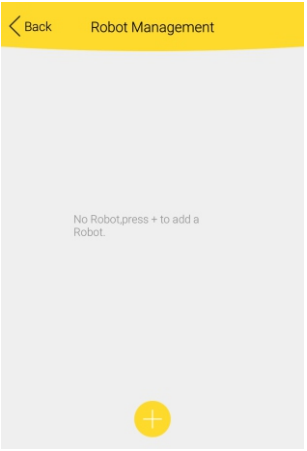

Fig29

3."Expressions language Settings"

When you select one expression, the APP will download it from cloud and transfer it to the robot. This feature is only available when the mobile phone is connected with the robot. Later, the robot will use new expressions language last be setted.

4) Gesture password(Fig32)

If you choose to open gesture password, the software will automatically pop up gesture password settings interface. When entering again, you need to enter the gesture password which has been set. If you forget your password gesture, it does not matter, delete APP, re-download and install, set the password again on it.

Fig30

Fig31

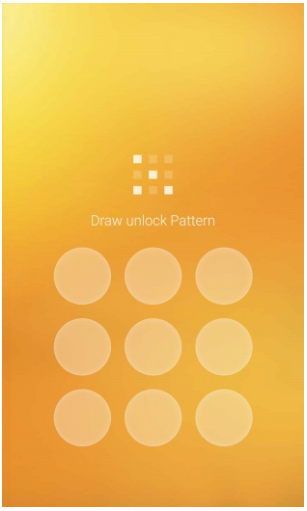

Fig32

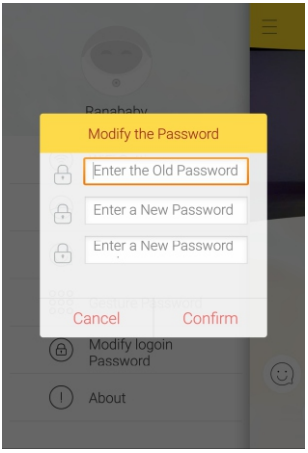

Fig33

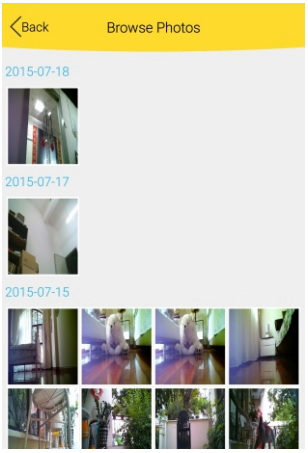

Fig34

5) Modify Robot Password(Fig33)

The Robot password is the password of the Robot current connecting with phone, after modification, you need to enter a new password the next time re-entering.

3.Pictures and videos

Click the album button on the top right, enter the interface(Fig34).You can share these picture and videos taken by robot through social or im software such as weibo、facebook、Wechat、QQ ect.

Common problem

1.Forget the password

Lift up the robot, press the back of Robot's head and hold 10 seconds, the password of robot will restore the factory value:123456789.The robot will sound "OK" after setting. Later you need enter this password when you operate this robot again.

2.If the router was changed or SSID/PASSWORD of wifi was changed,or the place was changed, Robot can not used normally because it can't connect to a router.

Please set wifi again, refrence "Getting start". Press the power button to shutdown the robot,and then power on again.When two eyes of Ranababy blinking together, then follow the step in "Getting start" to set the wifi again.

Precautions

1.The product can only be used indoor.
2.Do not use this product into the water. Avoid the product to be poured by water. The water may damage printed circuit board of it.
3.Avoid using the product in high places such as table.
4.Please note that any other obstacle can not be placed around the charging stand at a distance within 1m , otherwise it would be difficult for Robot to find charging stand.
5.Considering that most homes have a lot of power adapter, so this product is not specifically configured. Please use brand power adapter to avoid leakage and other accidents.

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution:

Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this 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.

To comply with FCC RF exposure compliance requirements, this grant is applicable to only mobile configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

After Sale Policy

1 In order to protect the legitimate interests of our customers, customers should concern the following information

1) At the time of purchase , please contact the seller along with a complete , accurate, truly fill out the warranty card.

2) Keep the warranty card and purchase invoices.

3) Please bring the original warranty card and invoice when maintenance. (Warranty card and invoice shall be subject to sales units completed and official seal, and may not be altered , otherwise invalid.)

4) Warranty is valid from the date of invoice. If customers lose invoice and warranty of evidence,maintenance required to provide an invoice copy and other valid evidence to prove that the product is within the warranty period .

5) If the consumer is missing invoices and warranty card, and can't provide invoices or invoices copy etc. as a valid evidence of the date of manufacture, in accordance with the Robot body SN number , get the produce date plus 90 days calculated as the warranty start date.

2 Normal use of the product, If a fault occurs (Except for man-made damage), customers will have the following maintenance guarantee .

1) The Robot and charging stand warranty period is 12 month.

2) The product appears within the warranty period of performance failure, non artificial damage customers have free warranty services.

3) From the date of purchase within 7 days, if the product is damaged non-human performance problems , in accordance with the invoice price Grid money returned .

3. If it meets one of the following conditions, warranty is not covered. Our Company or its authorized service center will implement reasonable charges for repair.

1) Out of the warranty period;

2) No warranty card and valid invoice. If it can be proved that the product within the warranty period, maintenance service is still suitable;

3) The product model is inconsistent with warranty card listed or warranty card is modified;

4) Maintenance or use not follow the instructions required and cause damage;

5) Without our authorization, disassemble, repair and cause damage or dysfunction;

6) Water, broken or circuit board damaged;

7) Shell surface’s scratch damage;

8) Damage caused by force majeure .

4 If the product does not comply with the warranty conditions, the Company or the Company's authorized service center will provide paid services. Customers will receive maintenance and repair records or charges invoice which states the reason why the product does not comply with the warranty policy.

Customers can send the products directly to the Company or the Company's authorized service center for repair or maintenance.

5. Service Information

Shenzhen intelligent&action technology Co., Ltd.

Shenzhen Intelligent&Action technology Co.Ltd

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