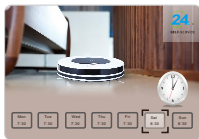# Robot Vacuum Cleaner

User Manual

Please read this manual carefully before using

Dear Owner,

Thank you for purchasing a robot vacuum cleaner! You've joined the millions of people who clean with robots - the smarter way to get it done.

To get the best performance from your product, please take a moment to read this manual and get acquainted with it, you will know how to use and maintain the robot vacuum cleaner, and it will help you solve the possible problems.

There needs continuous innovation in the future, we listen to our customers and make enhancement to our robots based on your valued feedback. Welcome to tell us about your experience with our robot.

Thanks for your support!

Now, let's start a nice journey!

Tips:

1. Please read all safety and operating instructions before operating your robot
2. Please follow all operating and use instructions.
3. Please clean side brush, main brush, universal wheels timely. Suggest to empty dustbin and filter after every use, so that the robot can do the best service for you!
4. Use robot frequently. Always keep robot charged when not in use, remove the battery from robot and store in a cool, dry place.

Catalogue

1. Product features

1.1 Product function summary

AUTO Automatic cleaning

Intelligent identification of dust

Across obstacle design

Low noise design

Fall-arrest design

Ultra-thin body

Appointment function

Remote control function

Automatic recharge

Virtual wall

1.2 Application

This robot works on wood, tile, marble, short carpet, vinyl and laminate, and adjusts automatically to different floor types.

> The robot is only for indoor use, not suitable for water and wet floor. DO NOT use the device to sweep anything that is flammable and explosive(like lighted cigarette) or place it around high volatile liquid(such as gas, cleaning naphtha).

1.3 Cleaning mode

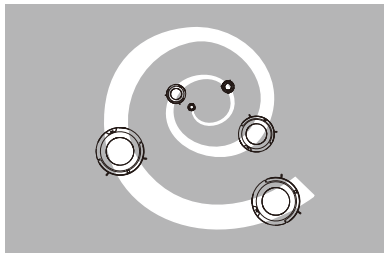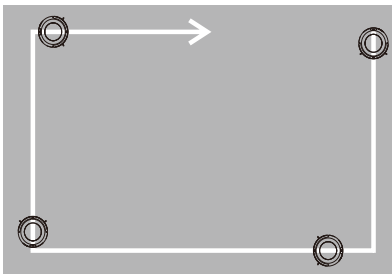The robot vacuum cleaner has following cleaning modes, it can convert automatically during the cleaning.
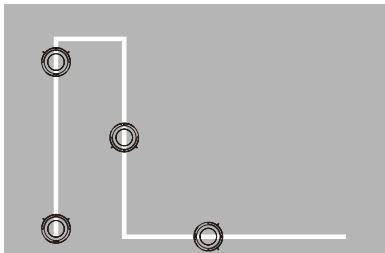
●Auto mode
Auto mode is a high-efficient cleaning mode

●Spot mode
Enable to quick clean key area of garbage centralized.
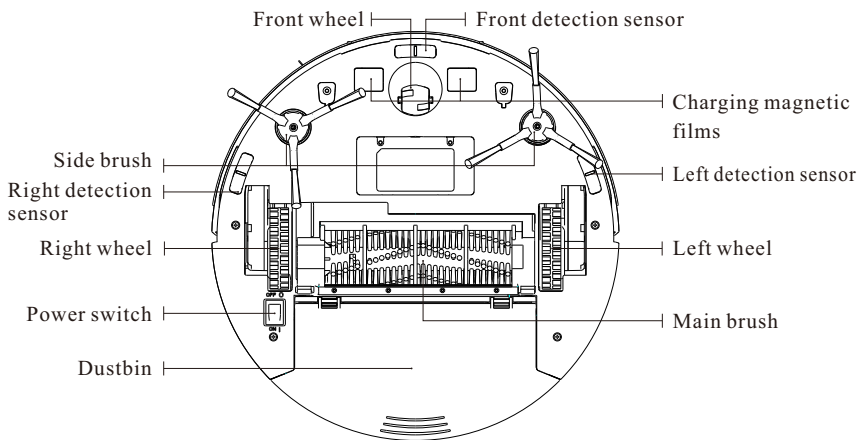
●Wall following
Enable to clean the corners of room

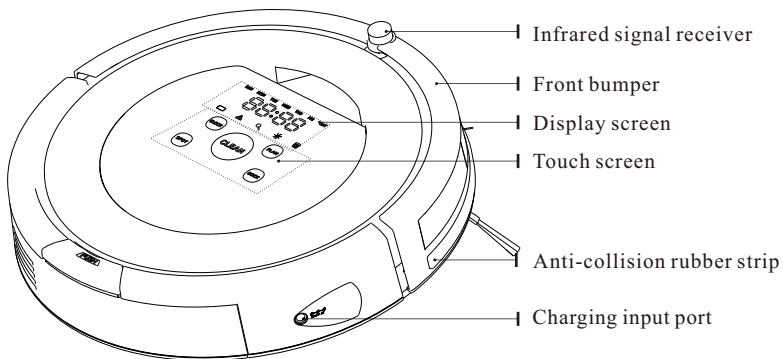●Random mode
Random cleaning, ensure that no residual at corners.
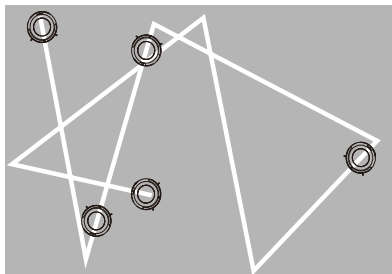
2. Using method

2.1 The robot appearance

Infrared signal receiver

Front bumper

Display screen

Touch screen

Anti-collision rubber strip

Charging input port

Front wheel — Front detection sensor

Charging magnetic films

Side brush

Right detection sensor

Left detection sensor

Right wheel

Left wheel

Power switch

Main brush

Dustbin

⚠ Please charge the robot for 8 hours before using it in the first 3 times, make sure the battery is in a saturation condition.

2.2 Function key description
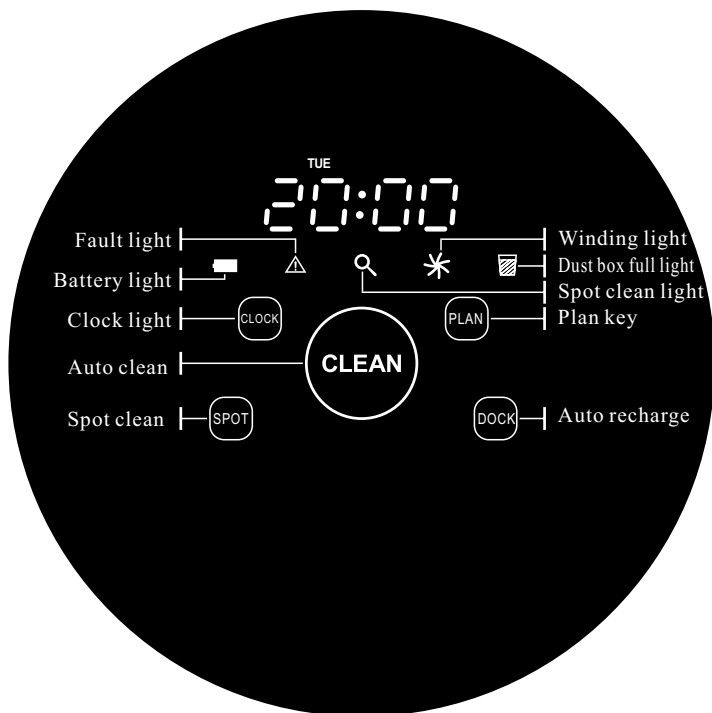
CLEAN	Auto clean	▬	Battery light	Green says full battery Orange says low battery Red says very low battery	
CLOCK	Clock light	⚠	Fault light		
SPOT	Spot clean	🔍	Spot clean light		
PLAN	Plan key	✳	Winding light		
DOCK	Auto recharge	▨	Dust box full light		

2.2.1   On-off

Turn robot on at the bottom switch of machine, you will hear a beep, and the CLEAN button will light on. The robot goes into sleep mode if not operate in 20.

⚠️   When robot is in sleep mode, only (CLEAN) button is valid, the others are in vain.

2.2.2   Auto clean

1. The robot in sleep mode is open to stand-by when pressing (CLEAN) button once.

2. Start to auto clean when pressing (CLEAN) button at second time, Nixie tube shows "AUTO"

3. Stop working and return to stand-by when pressing (CLEAN) button at third time.

4. The robot will go into sleep mode if not operate in 20s or press (CLEAN) button in 3s and a "beep" heard.

2.2.3   Setting the time

1. Press (CLOCK) button to check time, the robot goes into stand-by interface after 3s.

2. Press (CLOCK) button in 3s and a "beep" heard, the clock can be set.

3. (CLOCK) button set Hour and Minute, (SPOT) means "+",(DOCK) means "-";(PLAN) button can choose weekday.

4. Press (CLEAN) to save after setting up, and return to stand-by interface after showing time in 3s.

2.2.4   Setting a schedule

Please make sure the actual time is conform to system time, if not, refer to 2.2.3 to set time.

1. Press (PLAN) button to set a schedule, the time can be showed if the weekday is set up already,"----" will be showed if not scheduled.

2. Press (PLAN) button to choose weekday, press (SPOT) button or (DOCK) button to activate time that shows "00:00". Press (CLOCK) button to set "Hour" and "Minute", (SPOT) means "+", (DOCK) means "-".

3. Press (CLEAN) , then return to stand-by interface after time setting up.

4. Press (PLAN) button in 3s when setting the appointment time and a "beep" heard, the schedule is cancelled, showing "----".

5. Press (PLAN) button in 3s in stand-by interface and a "beep"heard, all schedule will be cancelled at a time, showing"----" return to stand-by interface after 3s

5

2.2.5   Spiral cleaning

1.Press (SPOT) button in stand-by interface to spiral spot cleaning, press (CLEAN) button to stop cleaning.

2.2.6   Auto recharge

1.Press (DOCK) button in stand-by interface, the robot can find charge base to charge automatically.

2.3   Remote control

The remote control let you control robot functions conveniently. You can use it to turn on/off and steer it around your room without bending down. Before using your remote, please install 2xAAA battery.

> ⚠ The applicable space of remote control is 3~5 meter, otherwise it can not be used.
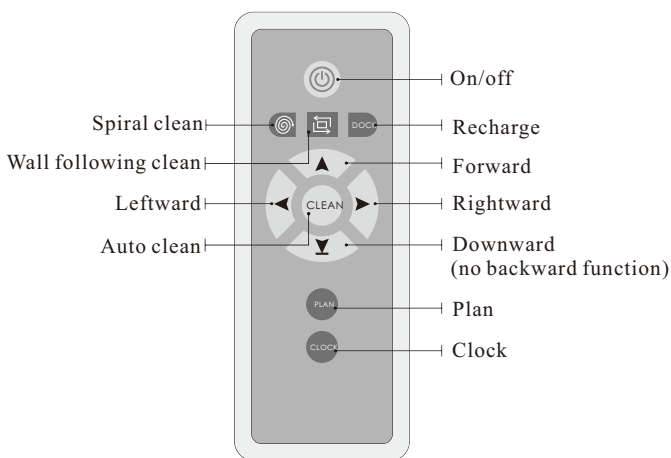
2.3.1   ON/OFF

1.Press ⓤ to open and enter the stand-by interface when the robot is in sleep mode, then the buttons are in valid. The robot goes into sleep when pressing ⓤ at other times.

2.3.2   Auto Clean

Press [CLEAN] to clean automatically in stand-by interface, press [CLEAN] return to stand-by interface.

2.3.3   Spiral clean

1.Press ⊚ to start spiral clean

2.3.4   Wall following clean

1.Press 回 to start wall following clean.

2.3.5   Auto Recharge

1. Press [DOCK] to charge automatically

2.3.6   Manual clean

1.Press ▲ , robot moves ▲ , loosen the button then stop.

2.Press ◄ , robot moves ◄ , loosen the button then stop.

3.Press ► , robot moves ► , loosen the button then stop.

▲Note: No backward function for robot, to avoid accident.

2.3.7   Time setting

1.Press [CLOCK] to set the time, "Hour" is starting to blinking.

2.Press ◄ to "Hour" ► to "Minute", ▲ means "+", ▼ means "-"

3.Press [CLEAN] to save after setting up, return to stand-by interface after showing time in 3s.

2.3.8   Schedule setting

1.Press [PLAN] to set a schedule, the time can be showed if the weekday is set up already. already. "----" will be showed if not scheduled.

2.Press ▲ or ▼ to activate time and show "00:00", press ◄ to "Hour", ► to "Minute", ▲ means "+", ▼ means "-". [CLOCK] to choose weekday, [PLAN] to cancel the schedule.

3.Press [CLEAN] return to stand-by interface after time setting up.

⚠ When using remote control, please be far away from virtual wall and charge base.

2.4 Virtual Wall

Virtual wall creates an invisible barrier that robot won't across a particular room or area, and prevent it from getting too close to anything delicate or dangerous.

Install 2 x 2 alkaline battery to open virtual wall

You can set a Virtual Wall to block openings of up to seven feet (approximately two meters). It creates a cone-shaped barrier, so the beam gradually gets wider.

For best performance, place a Virtual Wall on the outside of the doorway you want to block.

Signal light ⊢   ⊣ Infrared receiver

                                                  ⊣ On/off

Emission tube ⊢

⊢ Cone-shaped barrier
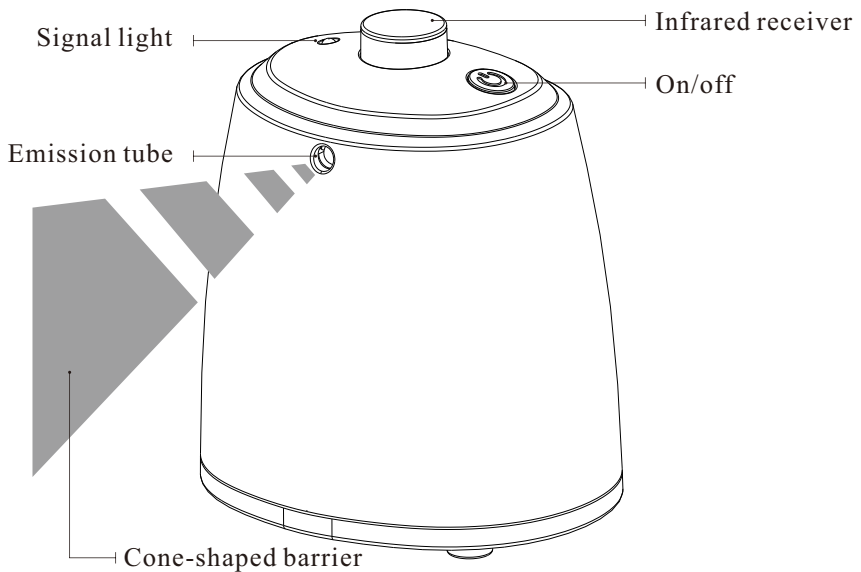
When a Virtual Wall is set to Auto mode, the power light blinks continuously to indicate it is on.

⚠ When virtual wall is on, please don not let infrared receiver against the eyes.

2.5　Charging base

2.5.1　Auto recharge

At the end of a cleaning cycle or when robot's battery is running low, it returns to the charging base to charge. Robot needs to find the infrared signal of the charging base in order to return. Always keep the base plugged in. When the charging base is plugged in, its power light blinks red to indicate the base is connected to the power source.

1m   1m

2m
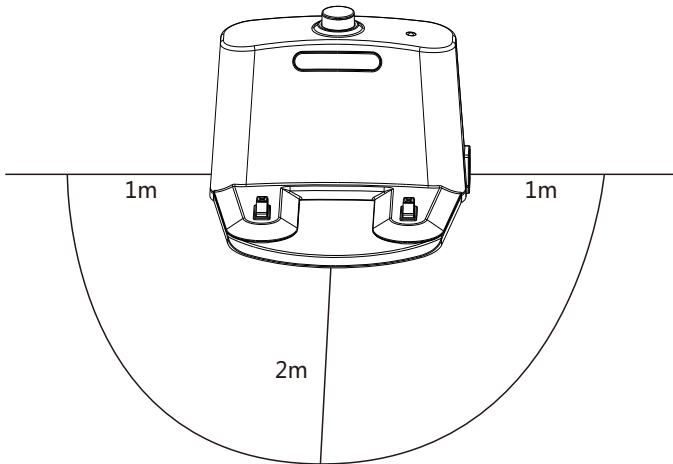
▲ Note: Make sure there is no obstacles within the scope of 1m from left and right sides, and the scope of 2m in front of charge base.

2.5.2　Other charge mode

Ensure that power on at the robot bottom, put the robot on the charging base, a red indicator light says it is charging.

Ensure that power on at the robot bottom, unplug input terminal of power adapter that is connected with charging base, insert into the host charging socket, "----"showed on display screen says it is charging.

⚠ Always wipe robot bottom and contact clip of charging base with dry cloth, to prevent dusts lead to poor contact. When charging, be sure to switch on the robot.

3. Regular Maintenance

3.1 Daily cleaning and brush replacement

3.1. Empty the dustbin

Empty dustbin after each use. When installation again,please insert dustbin accurately.

3.2. Replace filter

Remove dustbin,open HEPA cover to take it down.Replace new HEPA and back to install.

3.3.Clean or replace side brush

Using a small screwdriver unscrew the screws on the center of side brush, take side brush down, clean or replace brush, then install with screws.

4. Clean or replace middle brush

4.1Take dustbin down firstly.

4.2 Open two buttons and remove the cover.

4.3Raise middle brush

upward lightly from one side of bearing steel.

4.4Clean or replace

middle brush, install brush to suitable replace.
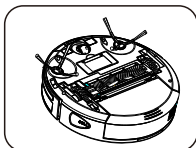
5. Clean the dust sensor

5.1Take the dustbin down, clean the dust sensor with dry cloth.

Dust sensor
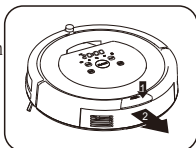
6. Clean the ground detection sensor

Clean up 3 ground detection sensors with dry cloth.

Ground detection sensor
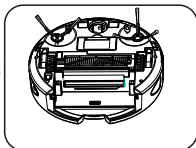
The robot is at failure occasionally, please do not worry, because it has fault diagnosis system. The screen will display fault code(details in line 4.2 of P12), the user can diagnose troubles through reading the manual.

Please turn off the power before cleaning the robot.
If do not install brush shaft, the robot can not be opened.
If the front wheel is jammed by hair or rubbish, it will not be moved, and easy to damage the floor, so regular checking and cleaning is needed.

3.2 Battery replacement

Please follow the following steps to remove battery:
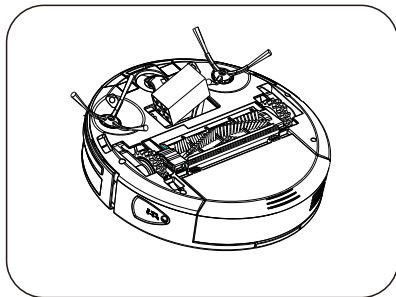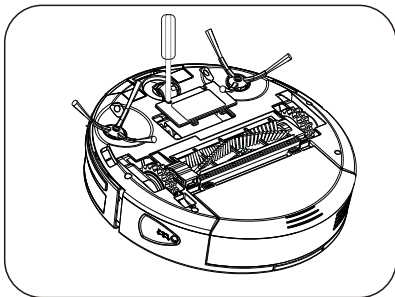
① Unscrew the screw, remove the battery cover ② Replace new battery, and install the cover back

③ Remove the battery and unplug the terminal

    Keep the robot in charge when not use. Please charge battery full and remove it from robot when not use for a long time, in order to last the service life of battery. The battery needs to be charged full when use next time, then you can get a best performance of it.

    Remote control is with 2xAAA(7#) battery, virtual wall is 2x2# battery, which need to be replaced in time. Please remove battery when not use for a long time.

The robot must use original manufacturer's battery to replace, otherwise may lead to damage or accident.
The robot is prohibited to use non-rechargeable battery.
Turn off the switch when removing the battery.
Pay attention to the battery is negative direction when installing any batteries. Can not abuse with new and old battery.

4. Troubleshooting

4.1 Common problems

• Why my smart robot will be heard loudly suddenly?

This robot has dust recognition function, it will go into spot cleaning after detecting dust, the voice will be loud suddenly at the moment. If it happens at other time, which means the dust sensor needs to be wiped(deatils in line 5 of P10).

•Why the robot do not slow down when approaching some obstacles?

The robot can identify obstacles quickly, which makes it slow down and strike obstacles with its front bumper gently before changing the direction, but if the robot is in a dark color or black background, or the width of obstacle is less than 5cm, its function will be weakened.

4.2 Common faults

Error code	Reason	The solution
E01	The main brush stop working	Check whether the main brush is stuck by hair or something, take something off.
E02	Left brush stop working	Check whether the left brush is stuck by hair or something, take something off.
E03	Right brush stop working	Check whether the right brush is stuck by hair or something, take something off.
E04	Left wheel stop working	Check whether the left wheel is stuck by hair or something, take something off.
E05	Right wheel stop working	Check whether the right wheel is stuck by hair or something, take something off.
E06	The host trapped	Put the host on the ground and re-select working mode again
E07	The host is dangling	Put the host on the ground and re-select working mode again.
E08	Detection sensor error	Clean detection sensor, please send to after-sale center to maintain if still not recovered.
E09	Front bumper error	Check whether the front bumper is stuck by something, and take something off.
E10	The power switch is not open, can not charge	Please turn on the switch

4.3 Use restrictions

- Your robot is for indoor use only.
- Your robot contains electronic components, please clean it with dry cloth, do not let it close to water or moisture ground.
- Your robot is not a toy. Do not sit or stand on this device. Small. children and pets should be supervised when your robot is operating.
- Please do not turn the robot on in front of the signal light of virtual wall.
- Check whether side brush, main brush is in right place beforecleaning.
- Do not use this device to pick up spills of bleach, paint, or other chemicals, or anything wet
- Before using this device, pick up objects like clothing, loose papers, pull cords for blinds or curtains, power cords, and any fragile objects. If the device passes over a power cord and drags it, there is a chance an object could be pulled off a table or shelf.
- If the room to be cleaned contains a balcony, a physical barrier should be used to prevent access to the balcony and ensure safe operation.
- Remember to remove the battery if not use for a long time or before carrying it.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

5 Safety instruction

- Do not self-dissemble the robot, the user is difficult to maintain without the useful spare parts including robot body, remote control and virtual wall.
- Do not use this device to pick up anything that is burning or smoking.
- Do not use the robot again if it is broken or malfunction no matter any reasons.
- When the robot is working, to prevent falling others, please let others know it is in working
- The packing bag and plastic bag has the danger of suffocation, do not let children play it, and place it far away from children.
- Do not discard the packing material at random, please send to recycle point in order to these material can be reused.
- The cooling hole shall not be blocked when the robot is operating, lest make damage of robot.
- Please ensure voltage rating for enclosed Home Base matches standard outlet voltage.
- Never handle the robot with wet hands.
- Do not pull out the power plug from the socket by pulling power cord
- Charging base is heavy, do not drag or move the base by pulling the power cord, and do not regard power cord as a handle to use
- Do not use a robot with a damaged cord or plug. If the cord or plug is damaged
- Do not overstretch, twist power cord, and do not put the heavy things on the power cord and clamp power cord when the door closed.
- Do not crush or dismantle battery packs. Do not heat or place the battery pack near any heat source.
- Always charge and remove the battery from your robot accessories before long-term storage or transportation.
- Please replace the new battery if the battery is out of its service life.

Dear Client

Sincerely thank you for purchasing our products !

This product has passed our strict quality inspection.Since the date of purchase, we offer you one year warranty service.please show us your warranty card when you need the warranty services, Please write down related information completely and accurately ,Thanks for your cooperation .

Warranty scope：Quality problems appear under normal use;Damage caused not by external force ; Our company does not undertake any responsibility of inconvenience or loss during warranty period.

In principle, User with no need to pay fees belonging to the warranty scope;But we will charge for detection cost or accessories cost with issues caused by artificial damage .If beyond the guarantee period, all will be charged.

These situations will not enjoy the warranty service: artificial damage; damages and losses caused by force majeure.

✂---

Customer Data Registration Form			
Customer name		Contact number	
Order No.		Purchasing date	
Model No.		Purchasing price	
Payment method			
Delivery address			
Service	Sales return ☐ Exchange goods ☐ Repair ☐		
Application date			
Product serial number			
Reason of sales return(if need repair,please declare the problems appeared clearly .)			

Enjoy Cleaning Life

User Manual

Please read this manual carefully before using