# **Robotic Vacuum Cleaner**



# **User Manual**



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### **Safety Instructions**

Before using this product, please read the safety instructions and follow all normal safety precautions.

- Read this user manual thoroughly and carefully before using this product.
- Keep this user manual in your sight.
- Any operation not following the instructions in this user manual may lead to harm to human or this product.

### **Safety Instructions**

- 1. Only authorized technicians can disassemble the product. Users are not allowed to disassemble or repair the product.
- 2. Only use the original battery and power adapter of the product for charging. Using other un-matched adapter may cause electric shock, fire or product damage.
- 3. Do not touch the power cord, plug or adapter with wet hands.
- 4. Before starting the product, make sure the dust bin filter is properly installed.
- 5. Do not use this product in wet or moist environment (any environment with liquid), e.g. Bathroom or laundry.
- 6. Before use, collect the floor environment (remove all the fragile objects and cords, clothing, papers, loose cables, as well as making sure to lift curtains and drapes off the floor to avoid any possible accidents. In case that a loose cable is tangled with the product, the cable might move around with the product as it works and topple down the table, chairs, or cabinet and might cause hurt or property damage.)
- 7. Do not sit on top of this product or attach an object on the top of it. Beware of children or pets while the product is in operation.
- 8. Only use the product indoors, do not use it outdoors.
- 9. Do not let this product get close to cigarette, lighter, match or any flammables.
- 10. Never use the product to clean up combustible or highly volatile liquids such as gasoline.
- 11. If the product needs cleaning, do not clean it while charging.
- 12. Do not over-bend the power cord or pressure the power cord with heavy or sharp objects.
- 13. Do not place this product where it is easy to drop off (tables, chairs, etc).
- 14. In case that the product is malfunctioning or damaged by external force, please contact the seller for repairing.
- 15. Turn off the power switch during transportation or when you don't need to use this product for a long time.
- 16. To avoid tripping, inform all the people in the house when this product is working.
- 17. Before charging, check whether adapter and outlet are properly connected.
- 18. When dust bin is full, empty it before use.
- 19. Use this product in temperature from  $0^{\circ}$ C to  $40^{\circ}$ C.
- 20. Do not use this product in high-temperature environment or under baking sunlight for a long time.
- 21. The plug must be removed from the socket-outlet before cleaning or maintaining the appliance.
- 22. The appliance must be disconnected from the supply mains when removing the battery.
- 23. The battery must be removed from the product before it is scrapped.
- 24. The battery should be disposed of properly for safety sake.

#### Warning:

This appliance can only be used by children aged from 12 years and above if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

### **Product Features**

### Powerful Suction, Intelligent Suction Adjustment

#### Powerful Suction

With strong suction power, the product possesses superb cleaning capabilities—even tiny dust on the floor will be thoroughly cleaned.

Intelligent Suction power Adjustment

This product is able to automatically adjust its suction power when different floor environments are detected. Not only it makes cleaning more efficiently, but also it helps to save more power.

### Considerate Design

Easy step-by-step operation

By pressing only one button " (REAN) ", you could easily direct the robot!

### Dust bin is washable

Dust bin could be washed directly by tap water.

Simply wash dust bin under tap water per use to avoid dust blowing to the air and cause a second pollution!

### Various Cleaning Modes

Four cleaning modes are provided to meet your needs.

1. Auto cleaning mode

The robot will clean a room automatically and adjust its cleaning mode according to the environment.







# **Product Features**

### 2. Spot cleaning mode

When the robot detects a dirtier area, it will activate the spot cleaning mode, which will clean in a spiral way.



### 3. Edge cleaning mode

When the robot detects that it is along the wall, it will activate the edge cleaning mode.



### 4. Scheduling mode

User can schedule the robot cleaning time as they want. When a certain time is scheduled, the robot will leave the charging home base and start working at the scheduled time.



Main body and accessories

No.	Description	Quantity
1	Main Body	1
2	Charging Home Base	1
3	Remote Controller (without battery)	1
4	Cleaning Tool (help to clean the robot)	1
5	Side Brushes	4
6	User Manual	1
7	HEPA Filter	1
8	Power Adapter	1
9	Mopping Plate + Mopping Cloth	1





Robot anatomy



### Charging home base



#### Remote Controller



You could use the remote like your TV remote. Firstly, to switch on robot, then point it towards the robot to operate it.

Remote controller time setting: press CLK button, then you can press direction buttons to set up time. After time selected, press CLK again to save the time and then it will show the current time.

Cleaning function: press ON/OFF button

Sleep function: press ON/OFF button for seconds, robot will enter into sleep model (Or if no operation within 30s, it will enter into sleep mode automatically. User can wake up robot by pressing ON/OFF.) Spot cleaning: press SPOT button

Cleaning mode selection: press MODE button and robot will change to the mode shown on the LCD (Mode 1: spiral cleaning. Mode 2: random cleaning. Mode 3: edge cleaning. Mode 4: S shape cleaning.) Scheduling function: press PLAN button to set up it and for details operation please see Scheduling Cleaning section (User can press PLAN button for seconds to check whether robot has already scheduled.)

Auto charging: press HOME button, robot will go charging automatically, press again HOME button or press ON/OFF button, it will stop there. By pressing direction button, the robot will change its cleaning direction automatically, press again HOME button or press ON/OFF button, it will stop there. By pressing direction button, the robot will change its cleaning direction.

#### Note:

\* Please install two AAA type batteries into the remote controller before use.

- \* If the remote controller of the robot is used around the charging home base, those commands given above might not work properly because of signal interference.
- \* If remote controller is not in use for a long time, please take out its battery.

#### Display panel



CLEAN Cleaning button part

- A. Switch on the robot, CLEAN button indicator will be in gradual blue.
- B. Touch CLEAN button, the robot will have 3 beeps and the indicator will flash in blue, then it will start cleaning if the robot is in good state. And the indicator will keep in blue during cleaning.
- C. If the robot is malfunctioned, its indicator will be in different status (details please take reference in troubleshooting).
- D. The indicator will flash in red when the robot with low power.
- E. During charging (robot on charging home base or connected by charging adapter), CLEAN button indicator will get red gradually. After fully charged, the robot will have 5 beeps and CLEAN button indicator will turn blue.
- F. When the robot is successfully scheduled, the indicator will be pink for two seconds. (Press PLAN button for seconds to check whether robot has already scheduled. If yes, the indicator will in pink for two seconds. Otherwise, the indicator will have no color change.)

### **Battery Charging**

1. Place charging home base against the wall, plug in adapter, and signal light on charging home base will flash.

Note: Put charging home base against the wall and remove obstacles about 1 meter distance at two sides and 2 meters ahead.



2. Turn on the power switch on the bottom side of the robot,

and then display indicator will be in gradual blue, the robot is in standby.

(If no command received, the robot will turn to sleeping mode after 30 seconds.)

- Note: A. Please always keep the power switch turning on. If not, it is unable to make the robot work.
  - B. If power switch is turned off, all the scheduled operation will be lost.
  - C. Before charging the robot, please make sure the power switch is turned on, or else the robot can not be charged.
- 3. Charge the robot in either way as shown below:
- A. Plug the adapter into the robot and the other end to the power socket as below on the left;
- B. Press HOME button on remote controller to direct the robot to charging home base for charging.



#### Note:

- A. Make sure the power switch at the bottom side of the robot is on before charging. Otherwise, CLEAN button indicator will have red flash and the robot beeps.
- B. During charging, CLEAN button indicator will be in gradual red.
- C. After fully charged, the robot will have 5 beeps. (Every charging will take no more than 5 hours).
- D. For first use, please run out of the power and then fully charge the robot over 12hours.
- E. If the robot is not used for long time, fully charge the battery, turn the power switch off, remove the battery and store it in a cool, dry place.
- 4. Auto charging

The robot will automatically return to charging home base when battery is low.

Note: Keep the home base well connected to the power socket. Otherwise, the robot can not find the home base for charging.

\*This product complies with the EU ERP standard.

### Starting up/Pause/Sleep mode

- 1. Starting up
  - A. Power on the switch at bottom side of the robot, and CLEAN button indicator will be in gradual blue.
  - B. Touch CLEAN button on main body or on remote controller to start cleaning. The robot will have 3 beeps, and the CLEAN indicator will be in gradual blue.

**Note:** If robot is in sleep mode, press CLEAN button to wake the robot up from sleep mode. Then press CLEAN for a second time, the robot starts cleaning automatically.

2. Pause

To stop the robot temporarily from cleaning:

- A. Touch CLEAN button on main body;
- B. Or press ON/OFF button on remote controller.

Note: When robot is paused, user can have new operation on it.

3. Sleep mode

Turn robot into sleep mode, and its display indicator will be in dark (robot in standby, not powered off):

- A. The robot will automatically turn to sleep mode if no command received in 30 seconds.
- B. Touch CLEAN button on the main body for two seconds or press ON/OFF on remote controller for two seconds, robot will turn to sleep mode.



Note: If the robot is not in use for a long time, please turn the power switch off.

### Scheduling cleaning

You can schedule the robot to make it start cleaning at a certain time. (Time delay up to 23 hours.) For example, it's 9:00AM now, you set 6:30 on the remote controller, and then the robot will start cleaning after 6 hours and 30 minutes, i.e. at 15:30 PM. Since it is daily scheduling, the robot will start cleaning at 15:30 PM everyday—unless users turn off the power switch on its bottom.

#### Note:

- A. The robot will always work at the scheduled time after scheduling confirmed.
- B. All scheduling will be cancelled if the robot is turned off.
- C. During charging by adapter directly connect to the robot (charging without home base), robot will not accept scheduling set up.

How to Schedule the robot by remote controller:

- A. To schedule the robot when it is standby or charging on home base. (Press CLEAN to wake up the robot, or press ON/OFF to wake up it.)
- B. Press PLAN button until the remote displays flashed figure"00:00".
- C. Press \*\*\* to set the flashing numbers.
- D. Press "••" to switch between hour and minute.
- E. After time confirmed, press ON/OFF to save scheduled setting—robot will have one beep, and the CLEAN button indicator will be in pink for two seconds—robot is successfully scheduled.
- F. Press ON/OFF again, scheduled setting will be cancelled, robot will have two beeps and the CLEAN button indicator on the robot will be blue.
- G. Press PLAN button for seconds, it will get back from scheduling setting.
- H. User can press PLAN button to check whether robot has already scheduled. If yes, robot CLEAN button indicator will be in pink for two seconds. Otherwise, the indicator will have no color change but robot beeps once.

### **Cleaning modes**

#### 1. Auto cleaning

The robot will clean a room automatically and adjust its cleaning mode according to the environment.

#### Note:

\* Press ON/OFF button on remote controller or touch CLEAN button on robot to start auto cleaning.

#### 2. Spot cleaning

Under two situations, the robot will activate spot cleaning:

- 1) When it detects a dirtier area;
- 2) Pressing SPOT on the remote to start spot cleaning.

#### Note:

\* It is suggested that users should select spot cleaning mode only robot cleans around the areas with much dust/dirt. After robot finished cleaning for the dirtier area, it will automatically stop spot cleaning mode and turn to auto cleaning mode.

#### 3. Edge cleaning

Switch on the robot, press MODE on the remote and select edge cleaning. Under edge cleaning mode, the robot will do cleaning along the obstacle by its side brushes.

#### Note:

After switch on the robot, by pressing MODE on the remote controller, user can select edge cleaning. And user can also press ON/OFF button to stop it.







# **Product Maintaining**

#### 1. Cleaning side brushes

- A. Check side brushes to see whether they're damaged or whether there are foreign matter stuck on the brushes.
- B. Clean the side brushes by tool or cloth.
- C. Replace side brushes if it's damaged. (Make sure L side brush at L place and R side brush at R place on the bottom, then push to fix it. And vice visa—to pull up, side brush will be taken out.)

#### 2. Cleaning dust bin and filter

Empty dust bin after each use, the procedures are shown in figures below.

- A. Press "PUSH" mark to open the robot upper cover
- B. Take out the dust bin by its handle.
- C. Separate HEPA filter first from dust bin.
- D. Open dust bin cover and take out primary filter.
- E. Empty the dust bin.
- F. Wash dust bin and primary filter under tap water, clean HEPA with the cleaning brush.
- G. Install primary filter and HEPA filter into dust bin after it is dry, close dust bin cover, and then install it into the robot.

#### Note:

- After taking out dust bin, check whether there are foreign matters stuck in dust passage and clean it.
- Wash HEPA filter after 15~30 days use. Life span for HEPA is 24 months.
- After wash HEPA and primary filter, dry them in ventilated & cool place and install them after they are fully dry. Do not dry them under baking sunshine.
- HEPA and primary filter are both replaceable.



# **Product Maintaining**

### 3. Cleaning sensors and charging connection pole

A. Slightly wipe the sensor window at the robot bottom and auto charging sensors with cleaning tool or a soft dry cloth, as circled below:



B. Clean suck passage and dust sensor as shown below (with cleaning tool or a soft dry cloth).



C. Clean charging connection pole on charging home base (with cleaning tool or a soft dry cloth).



Note: Do keep the sensors free from water, thinner, etc.

#### 4. Mopping plate and mopping cloth

- A. Put the mopping cloth onto the mopping plate, and assemble the mopping plate on the bottom of the robot as shown in right figure to mop the floor.
- B. When the mopping cloth is dirty, users can take it away replace it with a new one.



Note: Keep the appliance dry. Do not clean the appliance under water.

# Troubleshooting

	Problem	Possible Cause	Solution
1	Robot suddenly stop cleaning and indicator keeps in blue	1. Robot was picked up	1. Re-place the robot on the floor and re-start the robot
2	Power on robot, its indicator keeps in blue	1. Cliff sensor fault	<ol> <li>Clean cliff senor</li> <li>If solutions given above don't work out, send it to the seller for repairing</li> </ol>
3	Robot does not change direction when it comes up against obstacle	1. Bumper sensor fault	1.Check the sensor to see if it is covered by foreign object
4	During charging, LED indicator flashes in red and robot beeps	1. Robot switch might not powered on	1. Switch on the robot
5	Red LED stays on	1. Dust bin full 2. Dust passage get stuck	1. Empty dust bin 2. Clean dust passage
6	LED indicator flashes in red	1. Battery low	1. Fully charge the battery
7	Blue LED flashes once, Red LED flashes once.	1. Side brush get stuck	1. Put robot on flat surface and clean side brush
8	Blue LED flashes once, Red LED flashes twice.	1. Robot bumper not so flexible	1. Loosen half circle of bumper bottom screw
9	Blue LED flashes once, Red LED flashes triple.	1. Robot wheel get stuck	1. Check wheels and take out the foreign object

Note: If all solutions given above don't work for you, please take actions below:

- 1) Re-set the robot by switching on the power button on the bottom;
- 2) If re-set action doesn't work, please send the robot to seller for repairing.

# Exploded diagram

Below are exploded parts:



# **Battery Removal**

Please follow below procedures:

- A. Remove the screws on battery cover with a screw driver.
- B. Pull out the battery cover.
- C. Grasp the isolated strips at two sides of the battery and pick the battery up.

Separate the wire connector that links battery and robot.

#### **Product Specification:**

Classification	ltem	Detail
Mechanical Specifications	Diameter	11.8 inch
	Height	3 inch
	Weight	3.0kg
Electrical Specifications	Battery specifications	14.4V Ni-MH 1500mAh
Functional Specifications	Dust bin capacity	0.4L
	Charging type	Auto & Manual charging
	Cleaning mode	One key to clean & Remote control selection
	Charging time	Less than 300 minutes
	Cleaning time	90 minutes at maximum
Main Body Button Type		LED touch display

Note: Particular specifications are subjected to change without prior notice.