



## ionvac SmartClean V4 Self Emptying Robot Vacuum with Mapping User Guide

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## Introduction

### DOES THE WORK FOR YOU

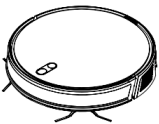
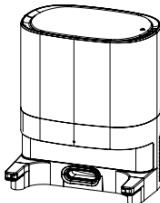
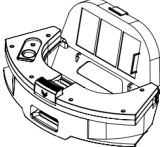


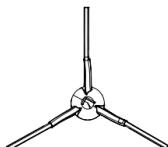

This intelligent vacuum travels through living spaces, bedrooms, kitchens and more, to deliver a cleaning experience that's hassle-free and stays out of your way. It can easily navigate from hardwood floors to rugs and carpets with gripping rubber wheels. Looking under the hood of this smart vac, you'll see a complete cleaning system equipped with side brushes that pull dirt and debris into the suction area, a roller brush to capture even the smallest particles, and a powerful suction vent that draws dirt, dust, and debris into a large dustbin. The Smart Clean vacuum stays safe and accurate with its gyroscopic mapping feature, and built-in multidirectional movement and sensors that identify stairs and avoid collisions.

Its slim frame quietly utilizes a super-efficient, 3-stage cleaning system that has four modes and can be operated via remote or the tzumi Smart Home app, compatible with Alexa and Google Assistant. Program it to clean when you want, and when the job is done (or the battery is running low), the Smart Clean robo vac V4 returns to its dock for automatic charging. In addition, it automatically empties its dustbin into the dock so it's always ready for next time.

**Clean smarter, not harder.**

## What's in the box?

1. Vacuum unit
2. Integrated charging and auto-emptying dock
3. Dustbin
4. Cleaning Brush
5. Remote control
6. Left / Right Side Brushes x2
7. HEPA Filter

Vacuum Unit	Integrated Ch arger	Dustbin	Cleaning Bru sh	Remote Contr ol	Left/Right Sid e Brushes x2	HEPA Filter
						

## Important Safeguards

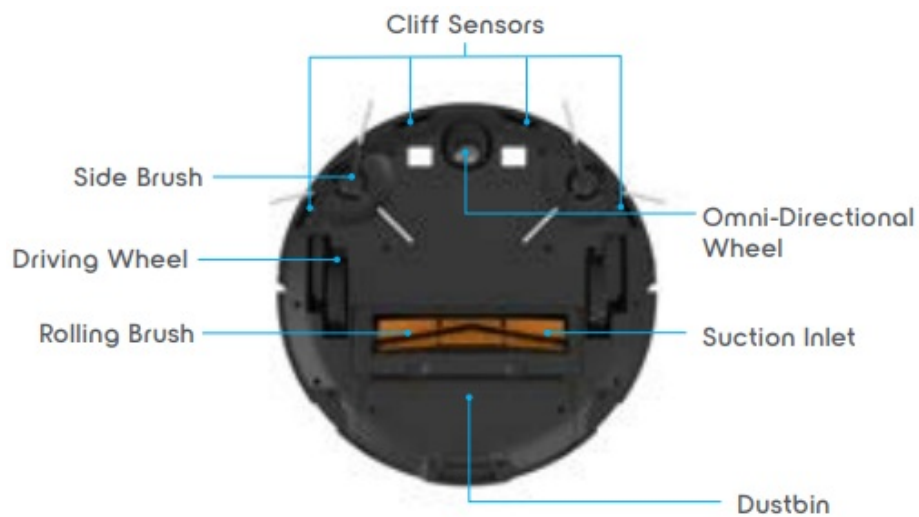
- This vacuum is for indoor use only.
- Do not use the Smart Clean in an environment where the temperature is above 104°F or below 32°F, or if there are liquids on the ground.
- Do not operate the Smart Clean with exposed wires on the floor.
- Before using the Smart Clean, pick up objects like clothing, loose papers, pull cords or blinds, power cords or any fragile objects.
- The Smart Clean is not a toy, keep away from children.
- Keep the vacuum away from people with physical, mental, or sensory impairments.
- When the vacuum is working, keep hair and fingers away from the suction port of the vacuum.
- Do not use the vacuum to clean burning objects, such as non-extinguished cigarette butts.
- Do not use the vacuum to clean long-haired carpets. Some dark carpets may interfere with the smart sensors.
- Do not use the vacuum to pick up hard or sharp objects, glass, paper clips, etc.
- Do not use the bumper as a handle to carry the vacuum.
- Do not use a damp cloth or any liquid to wipe any part of the vacuum.

- Please follow the instructions in this manual when using the vacuum.
- tzumi is not liable for any loss or injury caused by improper use.

### Smart Clean robo vac Diagram



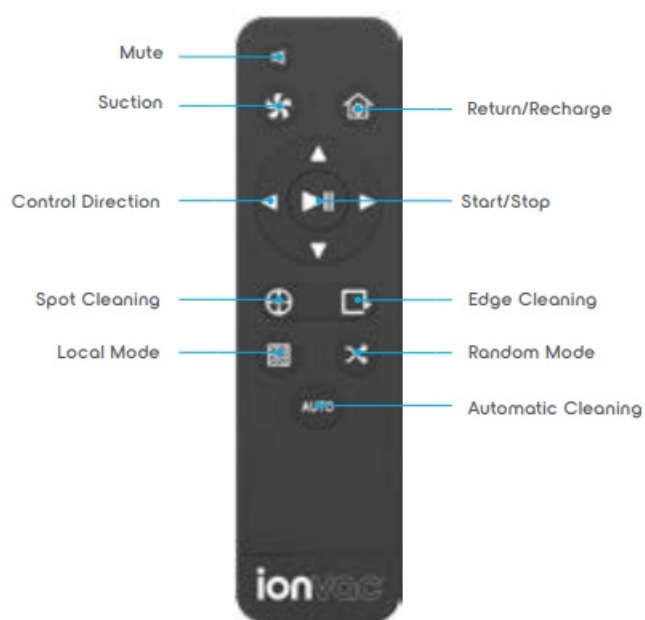
### Sensors and Structure



### Integrated Charging Dock



### Remote Control



## The Smart Clean Experience

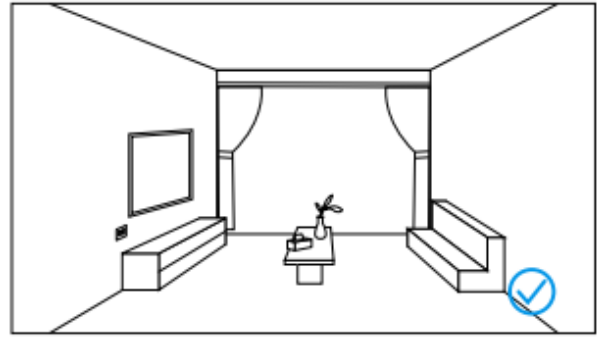
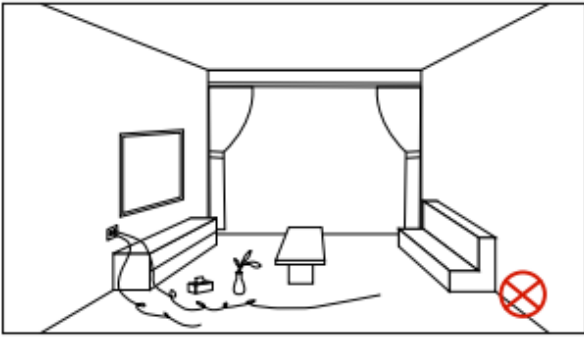
The Smart Clean does it all and does it well.

- High-tech, yet elegant controls via remote, tzumi Smart Home app, or Amazon Alexa/Google Assistant give you the power to clean when and where you want.
- “Floor Wheel Drive” ensures that the Smart Clean can effortlessly navigate all home terrains.
- The Smart Clean packs a lot of suction power that leaves your floors impeccably clean. That’s something you can both see and feel.
- Intelligent docking allows the Smart Clean to recharge itself when its Li-ion battery is low. Once it’s charged up, it has up to 120 minutes of running time to burn through.
- The auto-emptying dustbin keeps things clean for more effective results.
- Relax! Set it up and let it go as the Smart Clean’s anti-collision and cliff sensors prevent it from tumbling down stairs or off ledges.
- Four diverse cleaning modes (auto clean, spot clean, edge clean, and manual control) let YOU ultimately decide how to best harness the cleansing power of the Smart Clean!

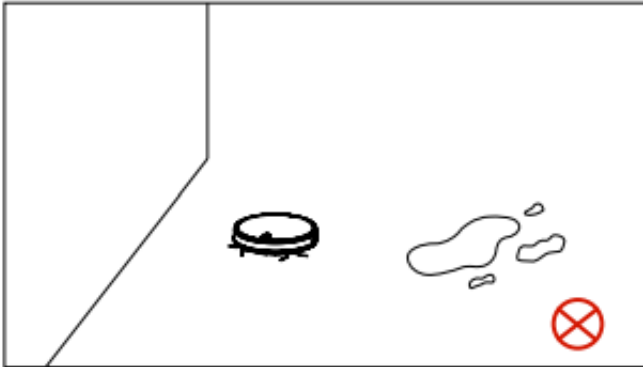
## Precautions

**Before use, please read this instruction manual carefully.**

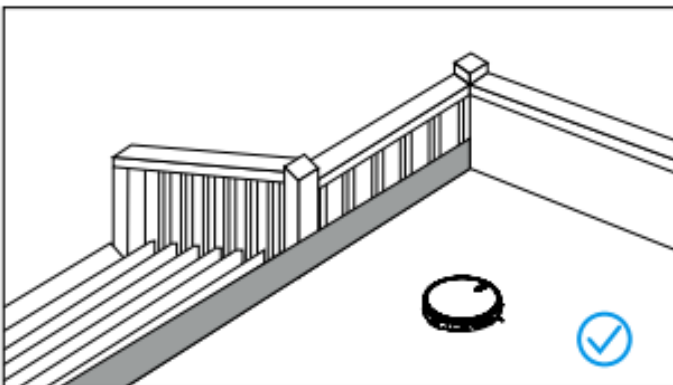
- Before using the Smart Clean, pick up objects from the floor, such as clothing or loose papers. You should also ensure that the floor is free of fragile objects and power cords.



- The Smart Clean cannot be used to clean up liquids. Please ensure there are no liquids on the ground before starting a cleaning cycle.

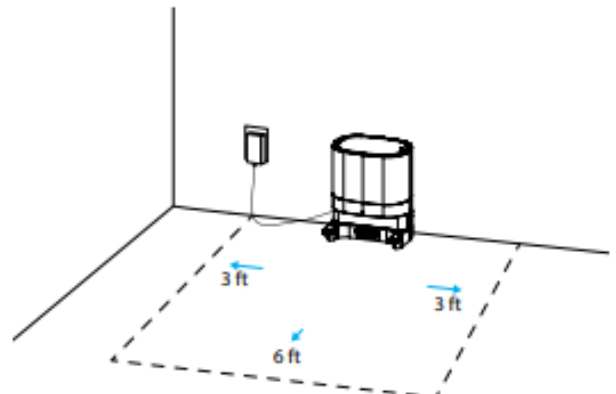
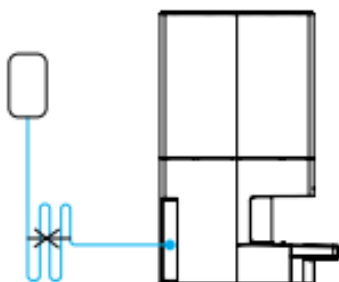


- If the room to be cleaned contains a balcony, a physical barrier should be used to prevent access to the balcony and ensure a safe operation.



## Installation of the Smart Clean robo vac

1. Place the charging dock on a level surface and against a wall; connect it to the power supply.



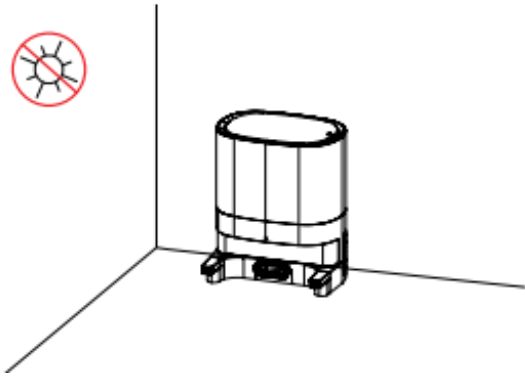
**Note:**

Place the Integrated Charging Dock against a wall and make sure it is in an open and uncluttered area leaving at least:

- 6 ft. in front of the Integrated Charging Dock.
- 3 ft. on either side of the Integrated Charging Dock.

Failure to keep wires neatly away from the vacuum may cause the Smart Clean to pull on them while charging or cleaning

2. Keep the dock away from places where it could potentially be knocked over or be exposed to direct sunlight.

**Note:**

Direct sunlight can interfere with the vacuum's ability to return to the dock for charging.

3. Open the top cover and insert the dust bag inside the dock. Ensure the LED indicator light has turned white.

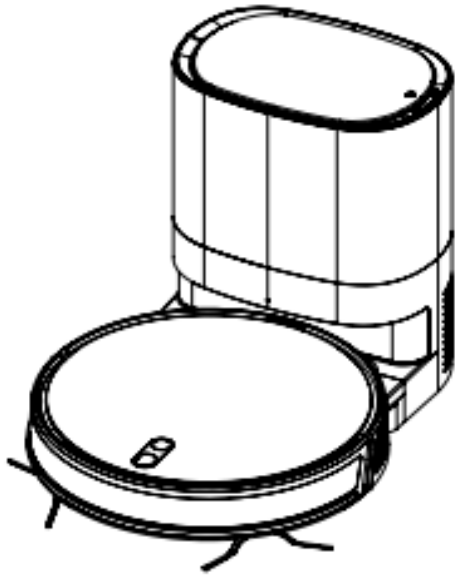
**Installing the side brushes**

1. Attach the side brushes to the bottom of the SmartClean by pressing the brushes into the slots above the letters L and R until you hear a "click".

**Powering on and charging**

1. Press and hold the button for 3 seconds or place the Smart Clean in the Integrated Charging Dock, making sure the metal charging nodes match up with those on the back of the Smart Clean.







**Note:** In case of very low battery, the vacuum cannot be powered on. Please place the vacuum on the dock to allow for automatic power on.

## How to use the Smart Clean robo vac v4

### Powering the vacuum on and off

Press and hold the  button to power on the vacuum. A power indicator light will let you know the Smart Clean is ON. Press and hold the  button to power off the Smart Clean.

**Note:** While the Smart Clean is attached to the Integrated Charging Dock, it cannot be turned OFF.

### Cleaning/Pause


Once the Smart Clean is powered on, press the  button on the vacuum, the AUTO button on the remote, or the tsumi Smart Home app to start cleaning.

### Note:

- The Smart Clean does not clean liquids. Be sure the area you wish to clean is free of liquids before beginning a cleaning cycle.
- If the power is lower than 15% during cleaning, the vacuum will automatically return to the Integrated Charging Dock for charging.
- Before cleaning, tidy up any loose wires on the floor (including the power cord of the dock). Otherwise, the vacuum may drag the wires while cleaning, which could unintentionally unplug electronic devices or cause damage.

### Charging

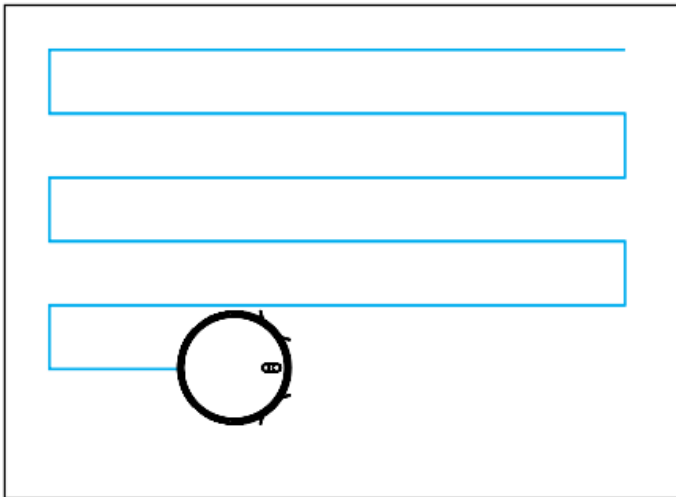
- **Auto mode:** After cleaning cycle, the vacuum automatically returns to the dock for charging.

- **Manual mode:** Press the  button on the vacuum, on the remote, or the tzumi Smart Home app to return the vacuum to the dock for charging.

**Note:** If the Smart Clean fails to find the dock, it will automatically return to the starting point of its last cleaning cycle. In this case, manually place the Smart Clean back on the dock for charging



### Automatic Cleaning

In Auto mode, the vacuum plans its cleaning route in a zigzag formation and finishes cleaning the whole room in an orderly and efficient manner. Once cleaning finishes, the vacuum will clean the edges of the room and then will automatically return to the dock to empty the dustbin and recharge.

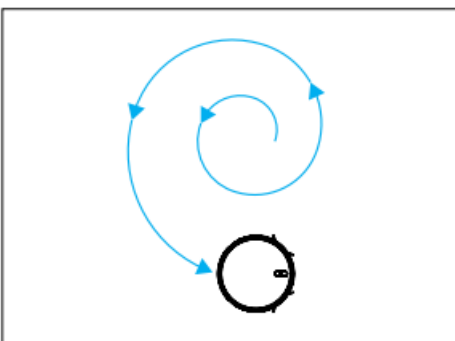


### Spot/Local Cleaning

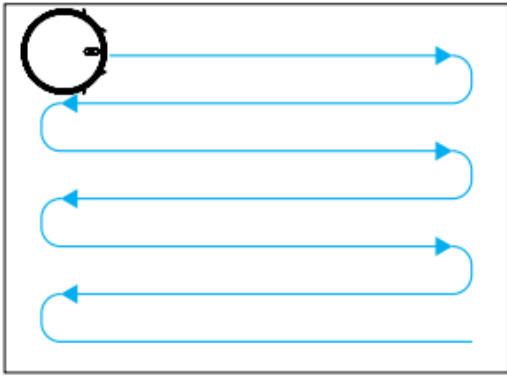
For spot cleaning, the vacuum will use itself as a center point to clean in a spiral formation with a diameter of ~4ft. For local cleaning, the vacuum will clean an area of about 4 sqft. in a zigzag formation.

Press the  or  button on the remote or the tzumi Smart Home app to start a spot or local cleaning cycle.

#### Spot Clean




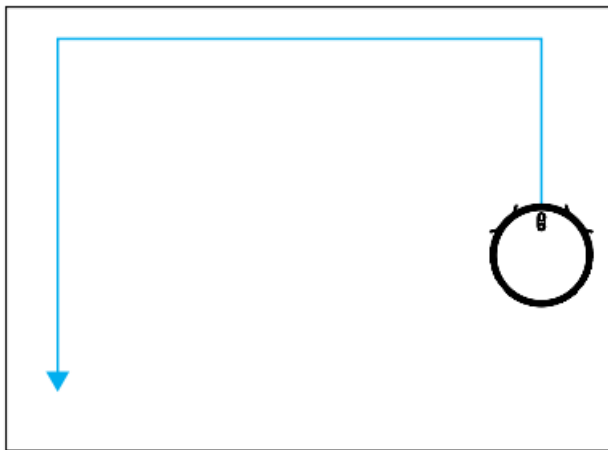
#### Local Clean



### Edge Cleaning

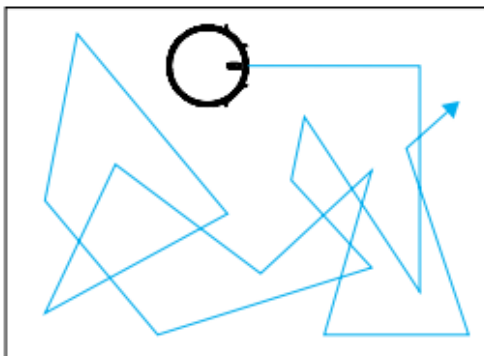
For edge cleaning, the vacuum will clean the edges of the room. Once cleaning finishes along all sides, it returns to the charging dock.

Press the  button on the controller or use the tzumi Smart Home app to start an edge cleaning cycle.



### Random Mode

**Note:** Some dark carpets may interfere with the vacuum's smart sensors. Switch to carpet or random mode to use in such environments.



## Using the tzumi Smart Home app to Control the SmartClean robo vac v4

To enjoy all the SmartClean's advanced features, it is recommended you control the vacuum via the app.

### Before you begin

Make sure your smartphone or tablet is connected to Wi-Fi (only 2.4Ghz band supported).

Be sure the Wi-Fi indicator light is on and flashing.

Ensure that the SmartClean is fully charged before use.

Download the tzumi Smart Home app from the App Store or Google Play store.

Open the app and create a user account.

Tap the “+” icon in the top right corner to add the Smart Clean robo vac V4 to your account.



Scan the code to download the latest version of “Tzumi Smart Home” or search “Tzumi Smart Home” in the App store.



### **How to Connect the Vacuum to the App**

Press the and buttons for 3 seconds. You will hear a voice prompt say “Wi-Fi Reset” and the indicator light will flash blue.

Now follow the instructions in the app to connect to the vacuum.

Once connected, the vacuum will prompt “Wi-Fi Connected”.

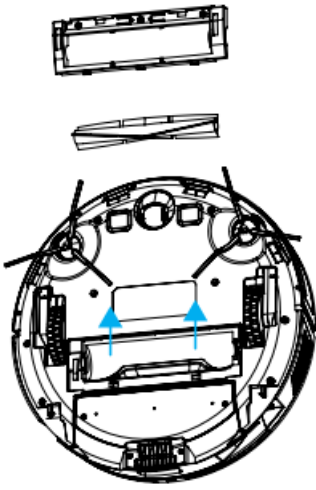
After connecting successfully, you can control the Smart Clean via the app. In the app, you can select any cleaning mode, set the time, view system status, receive notifications, and access additional features.

## **Maintenance & Care**

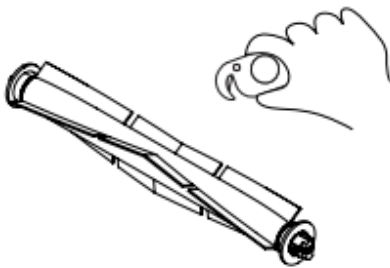
### **Roller Brush**

#### **Weekly recommended cleaning**

1. Flip the vacuum over; press the buckle on the roller brush cover, then remove the roller brush cover and the roller brush.



2. Use the cleaning brush to remove any dirt on the main brush and the roller brush cavity, then clean anything entangled on the roller brush.

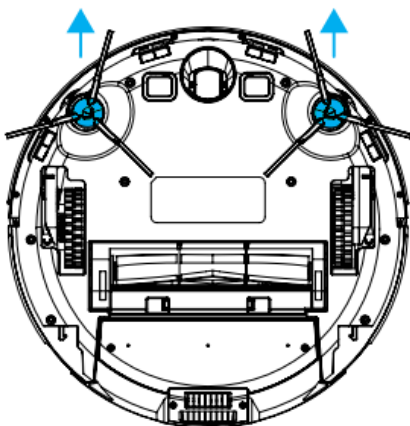


**Note:** It is recommended that you replace the roller brush every 6 months to ensure cleaning efficiency

#### Side brushes

#### Weekly recommended cleaning

1. Flip the vacuum over and pull out the side brushes vertically.
2. Remove any entangled hair and dirt, then reinstall the side brushes.
3. Align the left side brush (L) and right side brush (R) with the letters L and R, and press the side brushes to reinstall them.

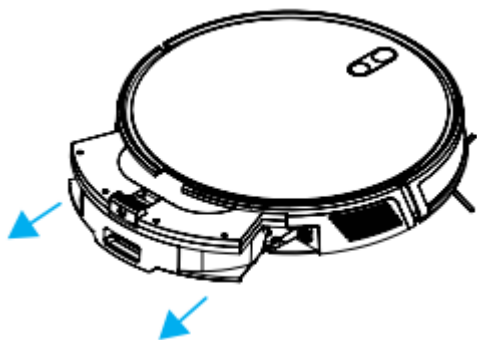


**Note:** It is recommended that you replace the side brushes every 3 months to ensure cleaning efficiency

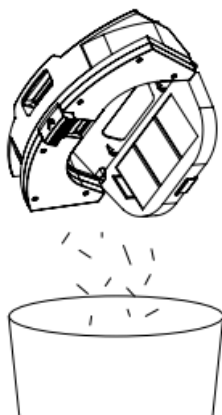
#### Dustbin and Filter

#### Weekly recommended cleaning

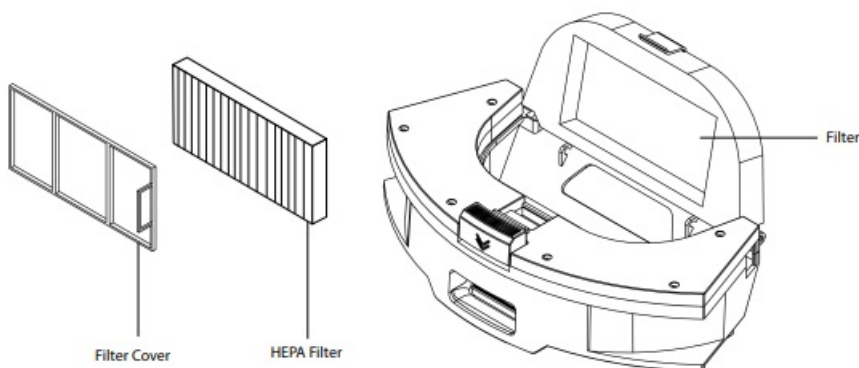
1. Press the button on the back of the dustbin and pull to release.



2. Open the dustbin and empty it out.



3. When cleaning the dustbin, be sure to remove the HEPA filter.
4. Wash the dustbin thoroughly with water (it is not recommended to clean the HEPA filter with water.).
5. Dry the filter and dustbin thoroughly before using again.



**Note:**

- Use clean water for washing, and do not add any detergent.
- Do not use a brush to clean the filter.
- Dry the filter thoroughly

**Emptying the Auto-Empty Charging Base**

1. The Smart Clean will automatically empty its dustbin into the charging base whenever it docks.

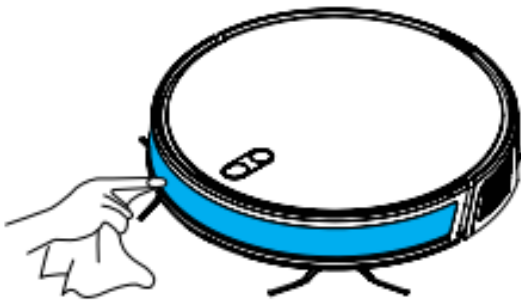


2. When the dust bag inside the dock is full, a red light will blink on the dock.  
Open the dock cover, remove and replace the dust bag with a new one.  
A white light indicator will indicate the new bag is correctly installed and ready to use.



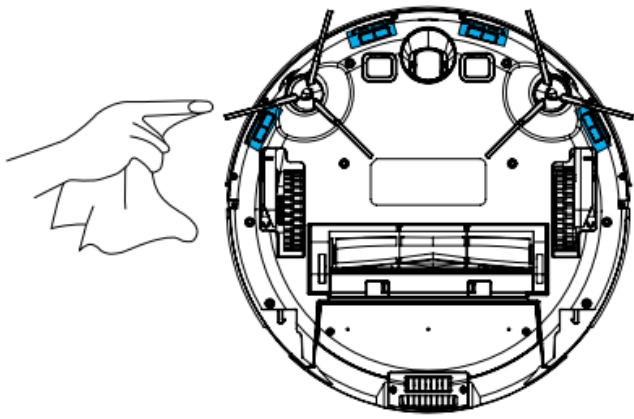
#### **Cleaning the Anti-Collision Sensor**

#### **Monthly recommended cleaning**



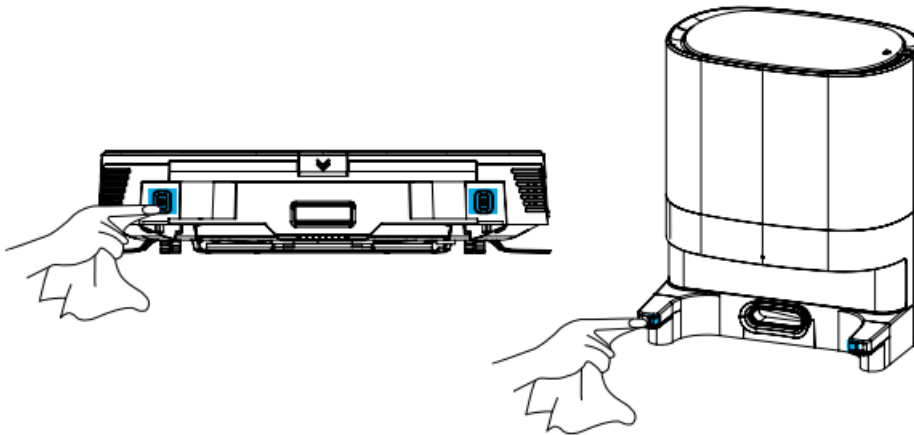
#### **Cleaning the Cliff Sensors**

#### **Monthly recommended cleaning**



### **Cleaning the Charging Contacts**

### **Monthly recommended cleaning**



### **Battery**

- The vacuum is equipped with a high-performance rechargeable lithium-ion battery pack. To maintain battery performance, keep the vacuum connected to the Integrated Charging Dock in between uses.
- If you do not use the Smart Clean for a long time, power it off and store it properly. Charge the SmartClean at least once every three months to avoid damage to the battery due to excessive discharge.

### **Upgrading the Firmware**

The mobile app lets you know when a firmware upgrade is available. To upgrade the firmware, the power on the SmartClean must be equal to or greater than 15%. It is recommended that you place the vacuum on the Integrated Charging Dock for this upgrade.

### **Specification**



<b>Main Unit</b>	
Dimensions	13.8" x 13.8" x 3.1" (350 x 350 x 79mm)
Battery	2600 mAH Rechargeable Lithium-ion Battery
Rated Voltage	14.4V
Rated Power	50W
Charging Time	5 hours
Dust Box Capacity	450ml
<b>Docking Station</b>	
Dimensions	10.8" x 8.54" x 12.9" (276 x 217 x 330mm)
Rated Input	120V – 60Hz
Rated Output	19V/1A

**Troubleshooting**

Problems	Solutions
Vacuum Will Not Turn On	<ul style="list-style-type: none"> <li>The battery power is insufficient Please place the vacuum on the docking station and align with the charging electrodes. The vacuum will automatically power on.</li> <li>The room temperature is below 32°F or above 104°F Please use the vacuum when the room temperature is between 32°F and 104°F.</li> </ul>
Vacuum will not Charge	<ul style="list-style-type: none"> <li>Move the vacuum away from the docking station and check whether the indicator light of the docking station is on Make sure that both ends of the power adapter are properly connected.</li> <li>The docking station is not in proper contact with the vacuum Please be sure that the docking station is clean of debris, as are the charging contacts on the vacuum</li> </ul>
Failed to return to the docking station	<ul style="list-style-type: none"> <li>The Vacuum is too far away from the docking station Try to place the vacuum closer to the docking station.</li> </ul>
Abnormal behavior(s)	<ul style="list-style-type: none"> <li>Turn the vacuum off and wait 10 seconds. then turn it on again</li> </ul>
There is abnormal noise during cleaning	<ul style="list-style-type: none"> <li>The roller( brush side brushes, or wheels may be caught up with something Please clean them off after stopping the vacuum</li> </ul>

The vacuum is not clearing properly	<ul style="list-style-type: none"> <li>• The dust box is full Clean the dust box</li> <li>• The filter is blocked. Clean or replace the filter.</li> <li>• The roller brush is entangled with foreign objects clean the roller brush</li> </ul>
Cannot connect to the Wi-Fi network	<ul style="list-style-type: none"> <li>• The Wi-Fi signal is poor. Be sure that the vacuum is located in a place with good/clear Wi-Fi signals.</li> <li>• Reset the Wi-Fi settings, be sure you have the latest version of the app and try to connect to the Wi-Fi network again.</li> <li>• The password is incorrect</li> <li>• This vacuum only supports the 2.4GHz Wi-Fi channel</li> </ul>
Scheduled cleaning cannot be completed	<ul style="list-style-type: none"> <li>• The power is insufficient Scheduled cleaning will start only when the battery power is 15% or above.</li> </ul>
Is any power consumed if the vacuum always stays at the docking station?	<ul style="list-style-type: none"> <li>• The power consumption is extremely low when the vacuum stays at the docking station. This helps to keep the battery at its best performance levels.</li> </ul>
Is it necessary to charge the Battery for 16 hours when the vacuum is used for the first three times?	<ul style="list-style-type: none"> <li>• The lithium ion battery does not have a memory effect It can be used instantly after it is fully charged.</li> </ul>

<b>Error:</b> Reinstall the dust box and start again	<ul style="list-style-type: none"> <li>• Insert the dustbin before starting.</li> </ul>
<b>Error:</b> The vacuum is off the ground Please put it on the ground and start Again.	<ul style="list-style-type: none"> <li>• Please put the vacuum back on the floor and start again.</li> </ul>
<b>Error:</b> Please move the vacuum to a safe area before starting	<ul style="list-style-type: none"> <li>• The cliff sensor is blocked or the vacuum is placed in a high place. Please wipe the cliff sensor with a soft cloth, and move the vacuum to level ground before starting</li> </ul>
<b>Error:</b> Please put the vacuum on the ground before starting.	<ul style="list-style-type: none"> <li>• The vacuum is tilted Please move the vacuum to level ground before starting.</li> </ul>
<b>Error:</b> Please check whether the front bumper is stuck	<ul style="list-style-type: none"> <li>• The edge or anti-collision sensor is stuck. Please push the bumper left and right to confirm that it is not stuck</li> </ul>
<b>Error:</b> The power is too low. Please charge.	<ul style="list-style-type: none"> <li>• Put the vacuum on the docking station for charging</li> </ul>

<b>Error.</b> The vacuum cleaner is blocked.	<ul style="list-style-type: none"> <li>• Please move the vacuum to an open space before starting</li> </ul>
<b>Error:</b> Please check whether the wheels are stuck	<ul style="list-style-type: none"> <li>• The wheels may be stuck or entangled with foreign objects. Please check the wheels and/or remove any foreign objects.</li> </ul>
<b>Error.</b> Please check whether the roller brush is stuck	<ul style="list-style-type: none"> <li>• The roller brush may be stuck or entangled with foreign objects. Please check the roller brush and remove any foreign objects.</li> </ul>
<b>Error.</b> Please check whether the side brush is stuck.	<ul style="list-style-type: none"> <li>• The side brushes may be stuck or entangled with foreign objects, Please check the side brush and remove any foreign objects.</li> </ul>
<b>Error</b> The vacuum doesn't return to its original starting point	<ul style="list-style-type: none"> <li>• The vacuum cannot find the docking station. or the docking station is not connected to the power supply. Please check whether the charging indicator is on. or manually move the vacuum back to the docking station.</li> </ul>

## Battery and Charging

- Do not use any third-party batteries, docking stations, or chargers.

- Do not disassemble, repair, or modify the battery or docking station.
- Do not place the docking station near heat sources, such as radiators.
- Do not use a damp cloth or wet hands to wipe or clean the docking station.
- Dispose of used batteries properly, and recycle locally.
- If the power cord is damaged or broken, stop using it immediately and contact tzumi customer support.
- To transport the vacuum, ensure that the vacuum is powered off. It is recommended that you use the original box for packaging.
- If you do not use the vacuum for a long time, power it off and keep it in a dry and cool place. Charge the vacuum at least once every 3 months to avoid damage to the battery due to excessive discharge.
- If the batteries are leaking or swollen, stop the Smart Clean robo vac v4 immediately and contact customer service.

## Customer Support

If you have any questions or need support setting up or using your SmartClean, email us at [support@tzumi.com](mailto:support@tzumi.com) or call 1-855-GO-TZUMI. For more details on the ionvac family of products or to view more home innovations, visit: [ionvacs.com](http://ionvacs.com)



## Documents / Resources

The image shows the cover of the user guide for the SmartClean robo vac v4. It features a photograph of the robot vacuum in a room, with the text "SmartClean robo vac v4" and "USER GUIDE" visible.	<p><a href="#">ionvac SmartClean V4 Self Emptying Robot Vacuum with Mapping</a> [pdf] User Guide SmartClean Robo Vac V4, Smart Path Navigation, SmartClean Robo Vac V4 Smart Path Navigation, SmartClean V4 Self Emptying Robot Vacuum with Mapping, SmartClean V4, Self Emptying Robot Vacuum with Mapping</p>
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## References

- [ionVac | Homepage](#)