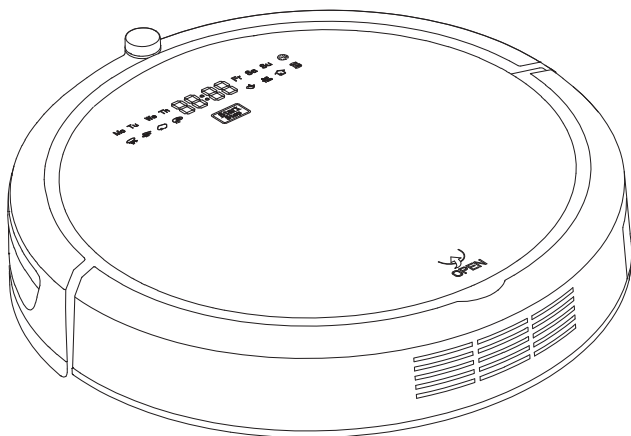




# OTIS Robotic Vacuum Cleaner TRV01



## User Manual

Please read this manual thoroughly before usage  
and save for future reference.

Item Number: 58046

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## IMPORTANT SAFEGUARDS

Please read the instructions and keep it with appliance for future references.

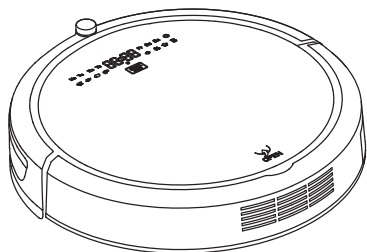
Before using the robot vacuum cleaner, read the following safety instructions and follow routine safety precautions:

- Only certified service technicians may disassemble, repair or modify the product.
- Do not touch any electrical wiring from the robot with wet hands.
- Avoid contact of body parts (head, fingers, etc.) and clothing with the robot's brush or wheels.
- Do not use any charger other than the one provided with the robot.
- Keep the robot away from extreme heat source and flammable materials such as cigarettes, lighters, matches, etc.
- Turn off the power to the robot before transporting or storing for a long periods of time to extend battery life.
- Use the robot with caution around young children and animals.
- Do not allow the robot to clean up after animal droppings.
- Children, elderly, or people with mental disabilities should be monitored or have a full understanding of the product before operating the robot.
- Outdoor use is strictly prohibited.
- The robot should only be charged at indoors.
- The robot should only be operated and contained at room temperatures.
- Do not use the robot to clean liquids.
- Remove all fragile or damaging items (glass, luminous objects, and fabrics) before operating.
- Cleaning should only take place in locations without electrical outlets on the floor.
- Do not place the robot on any high surfaces for cleaning.
- Do not place objects on top of the robot.

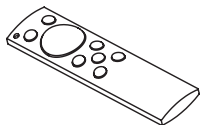


This product contains a rechargeable lithium battery. The product and battery must be disposed of properly. Discarding in a landfill or dumping ground can result to hazardous substances being leaked into the groundwater. Check with your local authority or retailer for recycling advice.

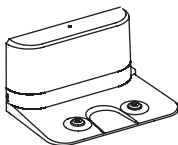
# Package Contents



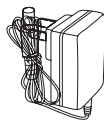
1x Robot Vacuum Cleaner



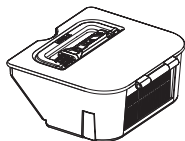
1x Remote Controller



1x Charging Base



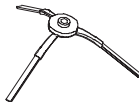
1x Power Adapter



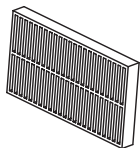
1x Dust Bin



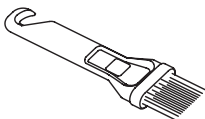
1x Roller Brush



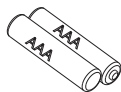
6x Side Brush



2x\* HEPA Air Filter  
(One is preinstalled)

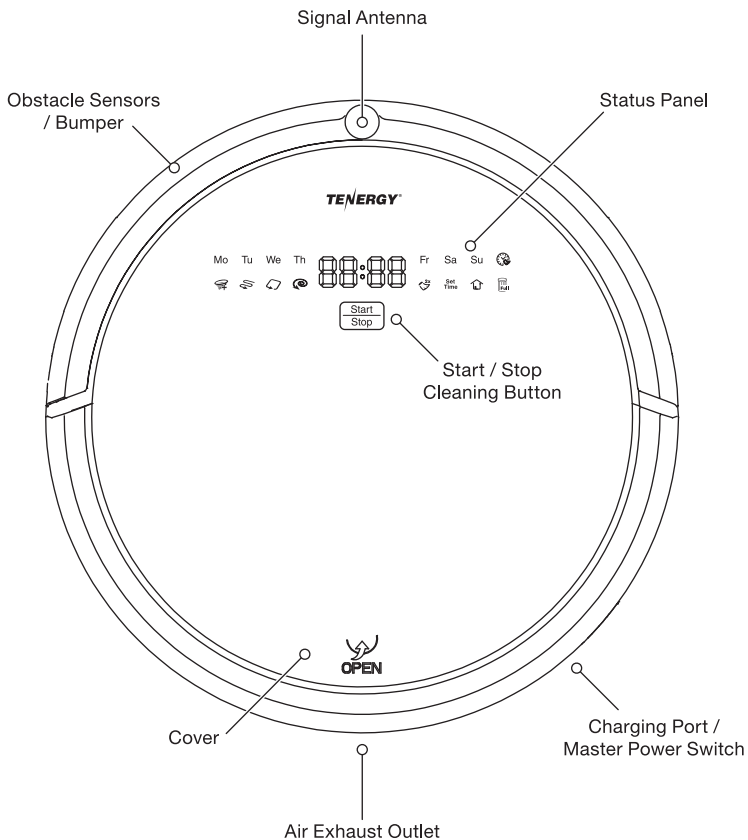


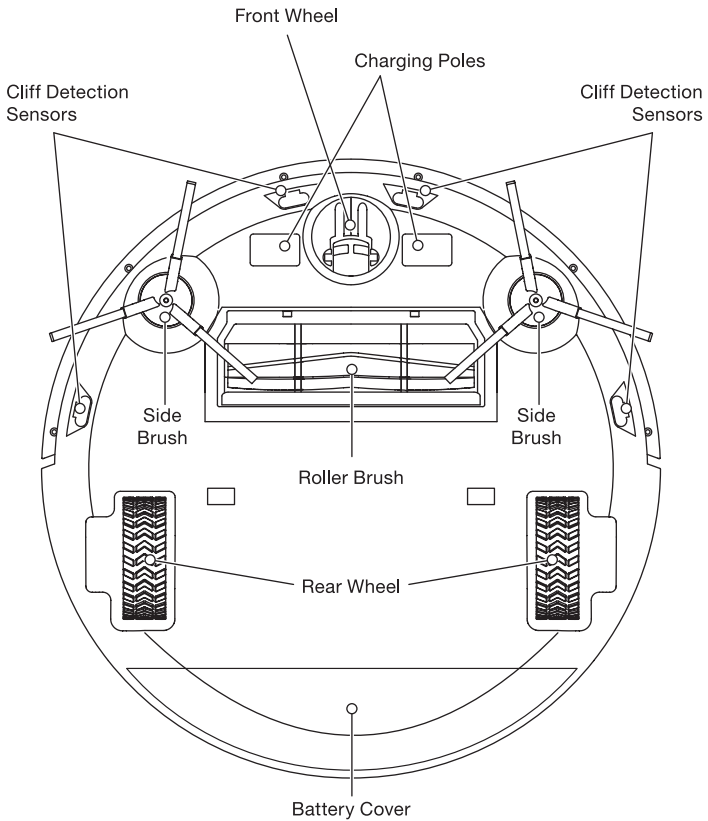
1x Cleaning Brush

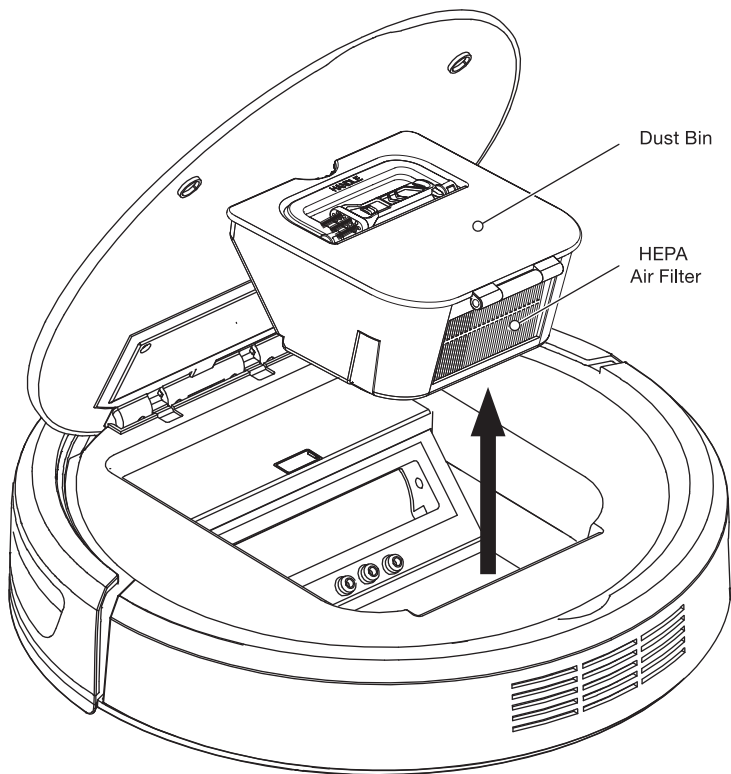


2x AAA Battery

# Product Overview

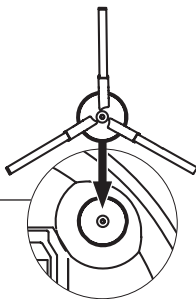
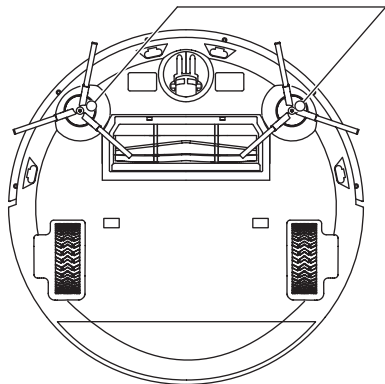






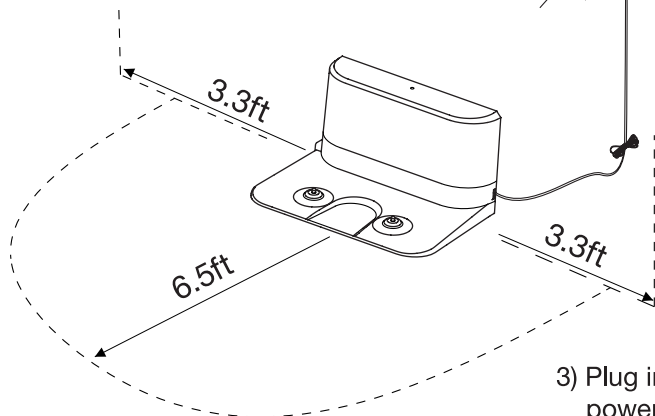
# Preparation

1) Install the side brushes



Firmly press and snap both side brushes into places.

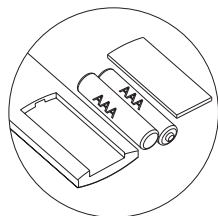
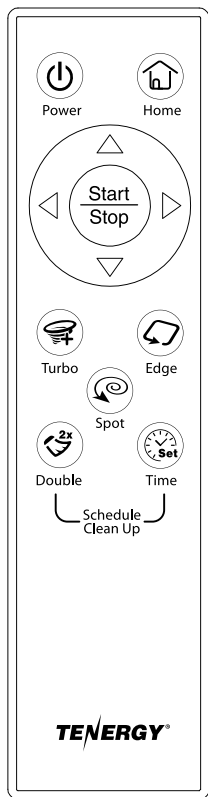
2) Place charging base against wall and **with enough space** around each side as shown in following diagram.



3) Plug in the power adapter.



# Remote Controller



Install batteries to the remote controller.



Power

Power: Wake up robot from sleep mode or put robot into sleep mode.



Home

Home: To force the robot to look for and return to charging base.



Start/Stop

Start/Stop: To start/stop cleaning, or to confirm date/time at setups.



Arrows: To move cursor, select, deselect date at date/time setup.



Edge

Edge: To change the current cleaning mode to edge cleaning mode. (See page 16)



Spot

Spot: To change the current cleaning mode to spot cleaning mode.



Turbo

Increase suction power to handle larger / heavier debris (consumes more energy).



Double

Double: Enable double cleaning mode in scheduled cleanings.



Time

Time: Set up the clock time for the robot.



Double

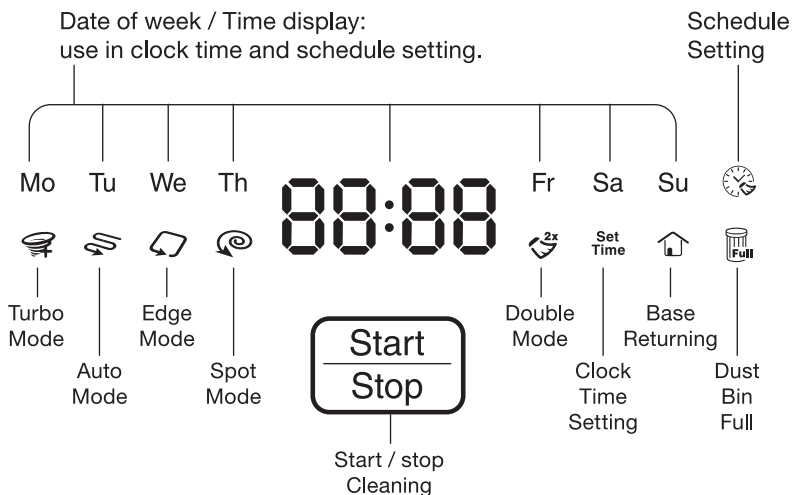
+



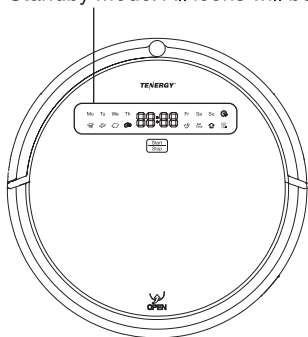
Time

Press and hold for 2 seconds: to schedule cleaning routines.

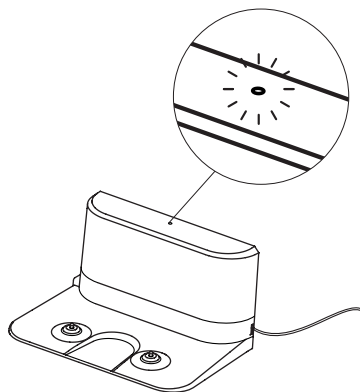
# Status Panel / Icons Meaning:



\*Standby Mode: All icons will be on.



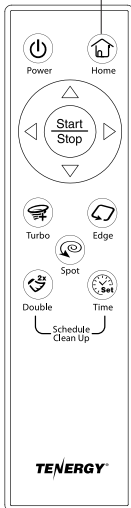
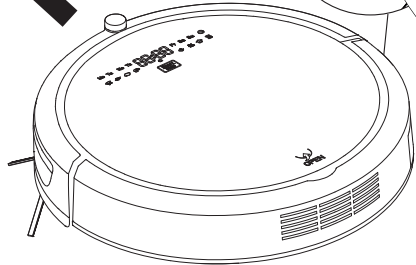
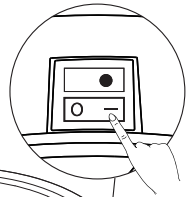
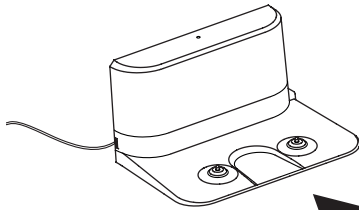
Power indicator: Charging base is ready to use.



# Charging The Robot Vacuum Cleaner

1) Place the robot in front of the charging base.

2) Turn on the master power.  
*Note: O = off, I = on.*

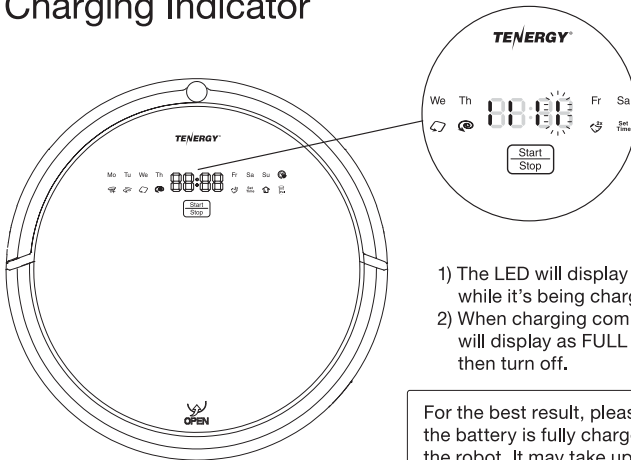


3) Press the Home button on remote controller.

4) The robot will automatically dock itself to the charging base.

Alternatively, you can manually place the robot on charging dock with the charging poles aligned with the charging terminals of charging base.

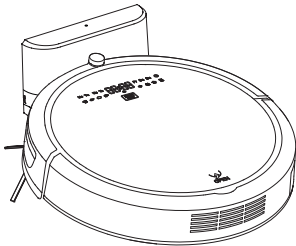
# Charging Indicator



- 1) The LED will display as 1111 while it's being charged.
- 2) When charging complete, the LED will display as FULL for a minute then turn off.

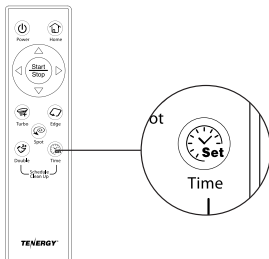
For the best result, please make sure the battery is fully charged before using the robot. It may take up to 5 hours to fully charge the battery.

# How to Set Clock Time



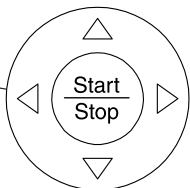
Local clock time needs to be setup before it can be properly scheduled. Clock time can be set when the robot is docked on charging base, or when it's in standby mode.

To enter time setup mode, simply press the Time button on the remote controller when the robot is either being charged on the charging base, or is in standby mode.



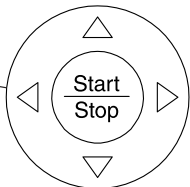
# Date / Time Enter

In time set up mode, the Set Time icon on robot will be on, and you are now ready to setup clock time, start by entering date of week:



## Date Setting:

- 1) Use LEFT or RIGHT arrow to select today's date of week.
- 2) Press Start/Stop to confirm date of week, and enter hour/minute setting.



## Hour / Minute Setting:

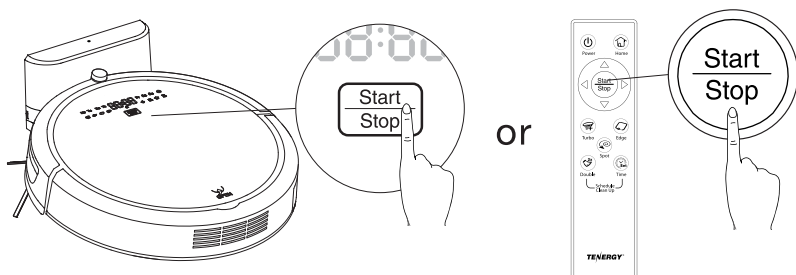
- 1) Use UP or DOWN arrow to change hour number.
- 2) Press RIGHT arrow to move the cursor to minutes.
- 3) Use UP or DOWN to change minute number.
- 4) When both hour/minute is set, press Start/Stop to confirm time.

Please note that, the robot is using 24-hour clock display.

## Start Cleaning (Without Schedule)

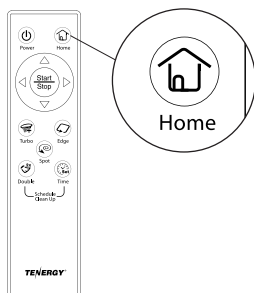
You can start a cleaning anytime you like, without, or in addition to your schedules.

To start a cleaning, simply press the Start/Stop button on robot, or the Start/Stop button on remote controller.



To stop cleaning, press the Start/Stop button again on either the robot, or on remote controller.

## Return To Charging Base

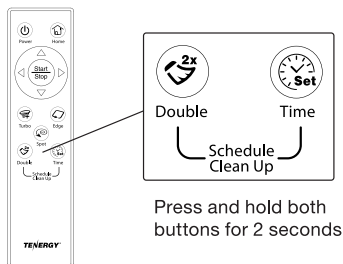


When the battery runs low during cleaning, the robot will automatically search for the charging base on its own.

However, you can also press the Home button on remote controller at any time during a cleaning, to force the robot to stop the cleaning and return to charging base.

# Schedule Auto Cleaning Routines

You can schedule auto cleaning routines for the robot after setting up the time. The robot can be scheduled to do auto cleaning on a specific time in the day, and repeat this routine in date(s) you desired of the week.



To enter scheduling mode, simply press and hold the Time button and Double button on the remote controller when the robot is either being charge on the charging base, or is in standby mode.



## Routine Date(s) Setting:

- 1) Use LEFT or RIGHT arrow to move the cursor around the dates.
- 2) Press UP arrow on a date to add it onto cleaning routine. The added date will be shown as solid LED.
- 3) Repeat above steps on all other dates you desire to add onto routine.
- 4) Use DOWN arrow on a routine date to deselect it / remove it from routine.
- 5) Press Start/Stop button when you finish route date(s) setting. The cursor will then go onto hour / minute setting.

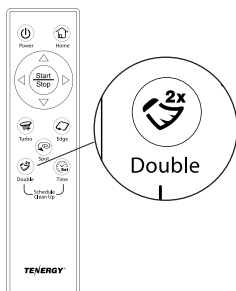
## Routine Time Setting:

- 1) Use UP or DOWN arrow to change hour number.
- 2) Press RIGHT arrow to move the cursor to minute number.
- 3) Use UP or DOWN to change minute number.
- 4) When both hour/minute is set, press Start/Stop to confirm routine time.

On the above example, the auto cleaning schedule have been set to:  
9:00 AM, every Monday, Tuesday, Wednesday, Saturday.

## Double Cleaning Mode (Schedule Only)

During regular scheduled cleaning, the robot will perform one regular cleaning and return to charging base for charge. However, if you believe one regular cleaning is not enough, you may enable the Double Cleaning mode to double up the cleaning effort.



To enable Double Cleaning mode, simply press the Double cleaning button when robot is in stand by mode.

When Double Cleaning is enabled, its icon will be turned on when charging or in regular cleaning modes.




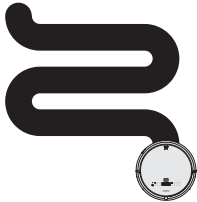

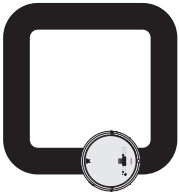



When double mode is enabled, the robot will:

- (1) Go out to clean up the area once at scheduled time.
- (2) Go back to charging base for recharge.
- (3) Go out to do a second cleaning once the battery is fully charged.
- (4) Go back to charging base for recharge.


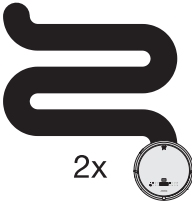

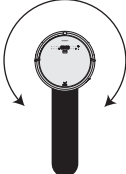
Please keep in mind that it will take up to 4 to 5 hours for the robot to recharge, so the whole double cleaning routine will be much longer than usual scheduled cleaning. Plan ahead to avoid the cleaning noise late in the night.



# Cleaning Modes:

Mode	Description	How to Activate	Diagram
Auto / Normal Cleaning Mode 	The robot will clean up the area with an S-shaped advance path, providing the best coverage of the entire area.	(1) Press Start/Stop button (2) Start as scheduled cleaning	
Edge Cleaning Mode 	Robot will find and clean up around the walls or edges of the rooms' physical boundary.	Press the Edge button on remote controller	
Spot Cleaning Mode 	Robot will start cleaning in a spiral pattern, focusing on a circular area with an outside diameter of 3.3ft for 4 minutes.	Press the Spot button on remote controller	
Turbo Cleaning Mode 	Robot will increase the suction power, best used when dealing with larger/heavier debris. It can be enabled in any of the above cleaning modes. Note: Run time will be shortened when Turbo Mode is enabled.	Press the Turbo button on remote controller in any cleaning mode	Stay in the same path / logic as mode turbo activated with.

# Cleaning Modes:

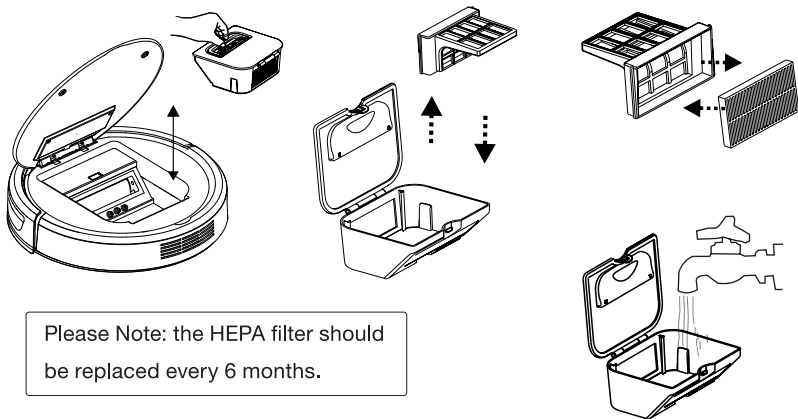
Mode	Description	How to Active	Diagram
Double Cleaning Mode 	Feature is only available for scheduled routines. When enabled, the robot will start another cleaning > charge routine right after finishing the first one. Good for when you think one pass is not enough.	Press the Double button on remote in standby before scheduled routine to enable this feature.	
Charging Base Return Mode 	In return mode, robot will search for its charging base to return to, and dock itself for a recharge automatically.	1) Return mode will start automatically when battery is low 2) Press Home button on remote at any time during any cleaning mode.	

# Cleaning Up The Dust Bin

Dust Bin Full icon will light up when full.

Use the following steps to clean the dust bin:

1. Turn off the robot using the master power switch, or put it to sleep by pressing the power button on remote control.
2. Lift up the cover of robot, remove the dust bin by pulling its handle straight up.
3. Open the latch of dust bin, discard the dirt and debris in the bin as much as you can. Note: you can use the little cleaning brush atop the dust bin to make cleaning job easier.
4. Remove the filter screen (orange color) inside the dust bin by lifting it straight up. Pull out the HEPA filter (white color), put the HEPA filter aside.
5. Clean up the dust bin and filter screen thoroughly by rinsing them with water. Note: do not wash the HEPA filter with water.
6. Air dry the dust bin and filter screen.
7. Reinstall the HEPA filter into the filter screen, put the complete filter screen back into the dust bin and close the latch.
8. Reinstall the dust bin into robot.



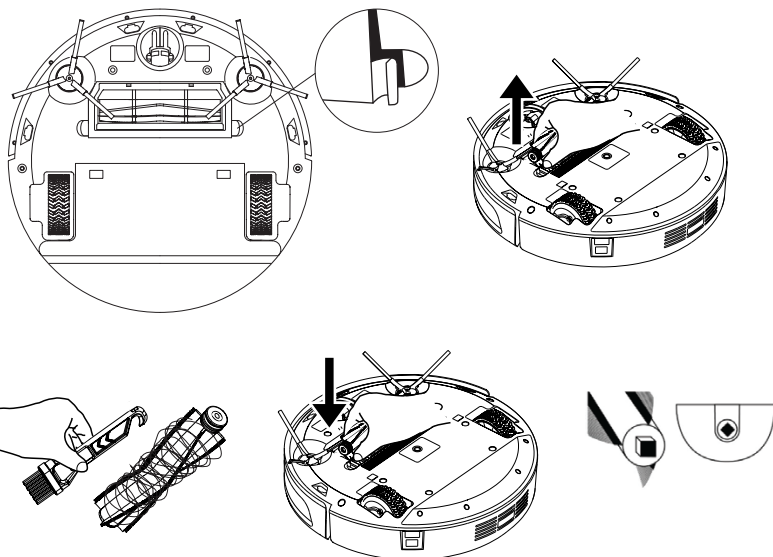
# Cleaning Up The Roller Brush

Please make sure to empty and clean up the dust bin before cleaning up the roller brushes or side brushes. To clean the roller brush, use the following steps:

1. Remove the roller bracket from bottom of robot.
2. Remove the roller brush.
3. Use the pick end of small brush or other household tools to untangle and clean up any debris or hairs on the roller brush.
4. Put the roller brush back into robot.

Note: the roller brush can only fit into place one-way; insert the square-end into the square hole first.

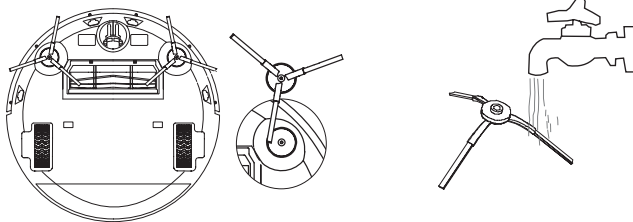
5. Reinstall the roller bracket.



## Cleaning Up / Replacing the Side Brush

Please make sure to empty and clean up the dust bin before cleaning up the roller brush or side brushes. To clean up the side brush, use the following steps:

1. Remove the side brush by grabbing on all 3 bunches of its tentacle and pull up with a gentle force.
2. Clean up the debris, hair, or tangled tentacles.
3. Do the same for the other side brush.
4. Reinstall them by firmly press and snap both side brushes into places.



## Cleaning Up The Exterior of Robot

Use a piece of soft damp cloth to clean up the exterior of the robot, do not use corrosive detergent for cleaning.

**DO NOT IMMERGE ROBOT IN WATER.**

# Error Codes / Troubleshooting

Robot will display an error code on the panel when something goes wrong. Please refer to the table below for troubleshooting:

Sample Error Code: E005

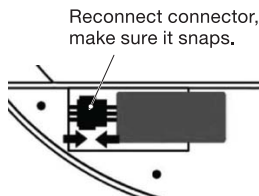
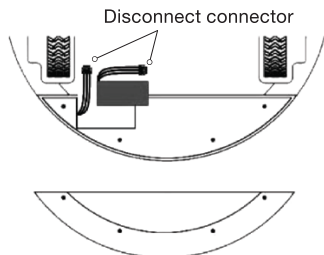
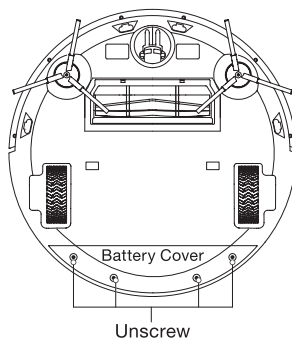
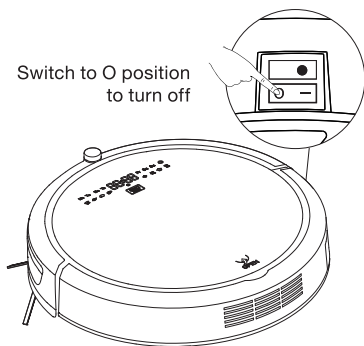


Error Code	Problem	Troubleshoot
E001	Cliff detection sensor failure.	Clean the cliff sensors underneath the robot, or pick up and move the robot to another position.
E002	Suction inlet blocked.	Check if there's any object is blocking the suction inlet around the roller brush or around the dust bin.
E003	Rear wheel failure.	Clean the left and right wheels. Make sure there is no foreign objects lodged in the wheels.
E004	Side brush failure.	Clean the side brushes. Ensure they are properly attached.
E005	Wheel(s) or robot got lifted up.	Put the robot back on the ground, or pick up and move the robot to another position.
E006	Roller brush failure.	Clean up the roller brush. Make sure the roller brush is not tangled with debris.
E007	Low battery.	Help robot back to the charging dock.
E008	Failure to charge.	Check if master power switch is on, check if power adapter is well connected to the wall outlet and charging base.
E009	Wall detection failure.	Clean up the front bumper (sensor is inside the bumper).
E010	Front bumper failure.	Make sure there is no foreign objects preventing the bumper from retracting and resetting.
E011	Battery check.	Check if the battery is installed correctly. See next page.

# Battery Checking (For Troubleshooting)

You may want to check the battery if the robot encounters error codes E008 and/or E011, use the following steps to check your battery.

1. Turn off the robot by switching off the master power.
2. Use a screw driver to unscrew the four screws from battery cover, remove the battery cover.
3. Check the battery, see if the battery connectors/terminals are well connected.
4. Disconnect the connector of the wire and reconnect them, make sure it's fully snapped together.
5. Reinstall the battery cover.
6. Turn on and test the robot again, see if error codes are cleared.
7. If it doesn't fix the error, stop using the robot and contact our customer service team for help.



## FAQ:

Q: Will Otis go from room to room if the doors are open?

A: Yes.

Q: How can I keep the robot off unwanted areas?

A: Create physical barriers using household items or close doors to section off areas.

Q: Can I use the power adapter instead of the charging dock to charge Otis?

A: Yes. The power adapter can be used for charging. Just plug it directly into the charging port above master power switch.

Q: How often should the dust bin be emptied?

A: For best results, empty the dust bin before each cleaning session. The robot will stop cleaning if the bin is full.

Q: What should I do if the robot cannot find the charging base on its own?

A: Make sure to place the charging base against a wall facing outward, with at least the recommended empty space around each side.

Q: How can I protect my Otis from falling down my stairs?

A: The robot has four cliff detecting sensors that prevents itself from falling down stairs.

Q: Can OTIS clean water from floors?

A: No, this robot should not be used to clean liquids of any kind.

Q: How long does it take to fully charge Otis?

A: It may take up to 5 hours to fully charge the battery.

## HAVING TROUBLE?

We have the most knowledge of our products, contact us **DIRECTLY** for full technical support!

Phone: (510) 687-0388 ext 281

Email: [service@tenergy.com](mailto:service@tenergy.com)

Scan for more product information



[www.TenergyLife.com](http://www.TenergyLife.com)