

DEEBOT 6

EN

Instruction Manual



Live Smart. Enjoy Life.

Congratulations on the purchase of your ECOVACS ROBOTICS DEEBOT! We hope it brings you many years of satisfaction. We trust the purchase of your new robot will help keep your home clean and provide you with more quality time to do other things.

Before you go any further, please register your product on the ECOVACS ROBOTICS website at www.ecovacsrobotics.com/registration/. We also suggest you record your model number, serial number, date of purchase and attach your receipt to this page for safekeeping.

MODEL # _____

SERIAL # _____

DATE OF PURCHASE ____/____/____

Should you have any problems programming the robot or getting your robot to function properly, please call us before contacting or returning it to the place of purchase. Call toll free number 1-844-ECOVACS (1-844-326-8227) or 1-330-994-1760 from outside the United States of America and Canada for assistance.

Thank you for choosing DEEBOT!

Contents

- 1. Important Safety Instructions.....2
- 2. Package Contents and Technical Specifications.....4
 - 2.1 Package Contents.....4
 - 2.2 Specifications.....4
 - 2.3 Product Diagram.....5
- 3. Operating and Programming.....7
 - 3.1 Notes Before Cleaning.....7
 - 3.2 Quick Start.....8
 - 3.3 Cleaning Mode Selection.....10
 - 3.4 Intelligent Scheduling.....12
 - 3.5 Alarm Indicator.....13
- 4. Maintenance.....14
 - 4.1 Dust Bin and Filters.....14
 - 4.2 Main Brush and Side Brush.....15
 - 4.3 Other Components.....16
- 5. Troubleshooting.....17

1. Important Safety Instructions

When using an electrical appliance, basic precautions should always be followed, including the following:

READ ALL INSTRUCTIONS BEFORE USING THIS APPLIANCE.

SAVE THESE INSTRUCTIONS

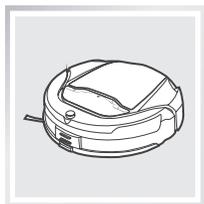
1. This Appliance is not intended to be used by children under 8 or anyone lacking knowledge on proper use. Supervision may be necessary. Do not allow children to sit on or play with the Appliance.
2. Clear the area to be cleaned. Remove power cords and small objects from the floor that could entangle the Appliance. Tuck rug fringe under the rug base, and lift items such as curtains and tablecloths off the floor.
3. When there is a drop off in the cleaning area due to a step or stairs, you should operate the Appliance to ensure that it can detect the step without falling over the edge. It may become necessary to place a physical barrier at the edge to keep the unit from falling. Make sure the physical barrier is not a trip hazard.
4. Only use as described in this manual. Only use attachments recommended or sold by the manufacturer.
5. Please make sure your power supply voltage matches the power voltage marked on the Charging Dock.
6. For INDOOR household use ONLY. Do not use the Appliance in outdoor, commercial or industrial environments.
7. Use only the original rechargeable battery and Charging Dock provided with the Appliance from the manufacturer. Non-rechargeable batteries are prohibited. For battery information, please refer to Specifications section.
8. Do not use without dust bin and/or filters in place.
9. Do not operate the Appliance in an area where there are lit candles or fragile objects.
10. Do not use in extremely hot or cold environments (below -5°C/23°F or above 40°C/104°F).
11. Keep hair, loose clothing, fingers, and all parts of body away from any openings and moving parts.
12. Do not operate the Appliance in a room where an infant or child is sleeping.
13. Do not use Appliance on wet surfaces or surfaces with standing water.
14. Do not allow the Appliance to pick up large objects like stones, large pieces of paper or any item that may clog the Appliance.
15. Do not use Appliance to pick up flammable or combustible materials such as gasoline, printer or copier toner, or use in areas where they may be present.
16. Do not use Appliance to pick up anything that is burning or smoking, such as cigarettes, matches, hot ashes, or anything that could cause a fire.
17. Do not put objects into the suction intake. Do not use if the suction intake is blocked. Keep the intake clear of dust, lint, hair, or anything that may reduce air flow.
18. Take care not to damage the power cord. Do not pull on or carry the Appliance or Charging Dock by the power cord, use the power cord as a handle, close a door on the power cord, or pull power cord around sharp edges or corners. Do not run Appliance over the power cord. Keep power cord away from hot surfaces.
19. If the power cord is damaged, it must be replaced by the manufacturer or its service agent in order to avoid a hazard.
20. Do not use the Charging Dock if it is damaged.
21. Do not use with a damaged power cord or receptacle. Do not use the Appliance or Charging Dock if it is not working properly, has been dropped, damaged, left outdoors, or come in contact with water. It must be repaired by the manufacturer or its service agent in order to avoid a hazard.

1. Important Safety Instructions

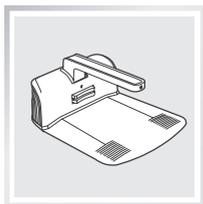
22. Turn OFF the power switch before cleaning or maintaining the Appliance.
23. The plug must be removed from the receptacle before cleaning or maintaining the Charging Dock.
24. Remove the Appliance from the Charging Dock, and turn OFF the power switch to the Appliance before removing the battery for disposal of the Appliance.
25. The battery must be removed and discarded according to local laws and regulations before disposal of the Appliance.
26. Please dispose of used batteries according to local laws and regulations.
27. Do not incinerate the Appliance even if it is severely damaged. The batteries can explode in a fire.
28. When not using the Charging Dock for a long period of time, please unplug it.
29. The Appliance must be used in accordance with the directions in this Instruction Manual. ECOVACS ROBOTICS cannot be held liable or responsible for any damages or injuries caused by improper use.

2. Package Contents and Technical Specifications

2.1 Package Contents



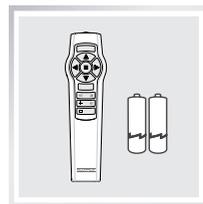
Robot



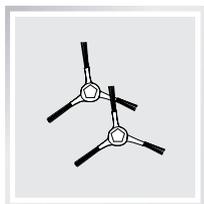
Charging Dock



Instruction Manual



Remote Control
with Batteries



(2) Side Brushes



Multi-Function
Cleaning Tool

2.2 Specifications

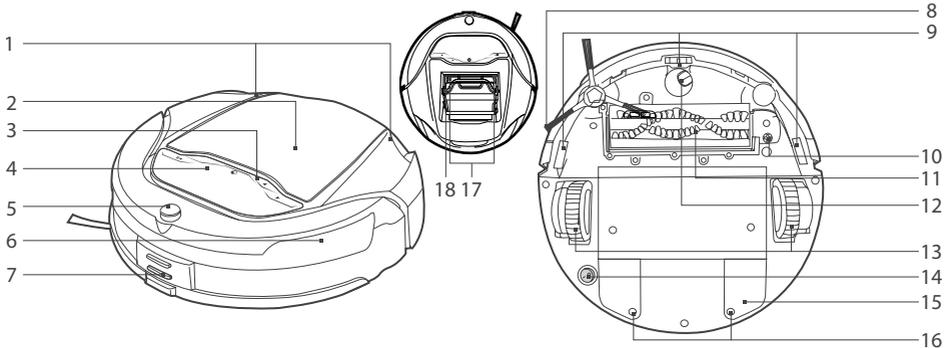
Model	D63S		
Working Voltage	12V DC	Rated Power	30W
Charging Dock Model	CH1118D		
Rated Input Voltage	120V AC	Rated Output Voltage	14.5V DC
Rated Output Current	0.75A	Rated Power	20W
Remote Control Model	RC0917	Input voltage	3V DC
Battery	Ni-MH SC 2100mAh		

* Technical and design specifications may be changed in the course of continuous product improvement.

2. Package Contents and Technical Specifications

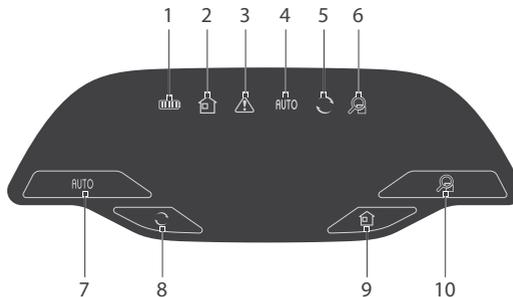
2.3 Product Diagram

Robot



- | | |
|---|--------------------------|
| 1. Status Light Indicators | 10. Main Brush Screw |
| 2. Top Cover | 11. Main Brush |
| 3. Control Panel | 12. Universal Wheel |
| 4. Control Panel Screen | 13. Driving Wheels |
| 5. Infrared Receiver for Remote Control | 14. Bottom Power Switch |
| 6. Anti-Collision Sensors | 15. Battery Cover |
| 7. Charging Contacts | 16. Battery Cover Screws |
| 8. Side Brush | 17. Dust Sensors |
| 9. Anti-Drop Sensors | 18. Dust Bin |

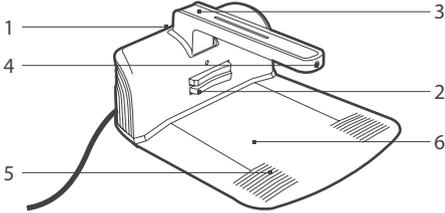
Control Panel



- | | |
|-------------------------------------|--------------------------------------|
| 1. Battery Display | 6. Intensive Cleaning Mode Indicator |
| 2. Return to Charger Mode Indicator | 7. AUTO Mode Button |
| 3. Alarm Indicator | 8. Intelligent Scheduling Button |
| 4. AUTO Cleaning Mode Indicator | 9. Return to Charger Mode Button |
| 5. Intelligent Scheduling Indicator | 10. Intensive Cleaning Mode Button |

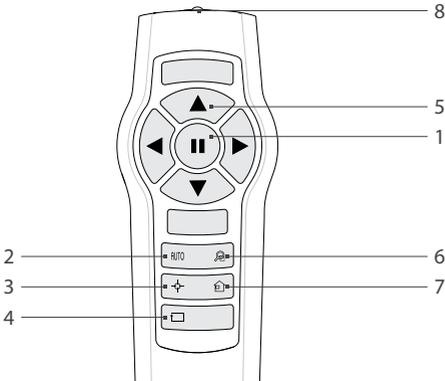
2. Package Contents and Technical Specifications

Charging Dock



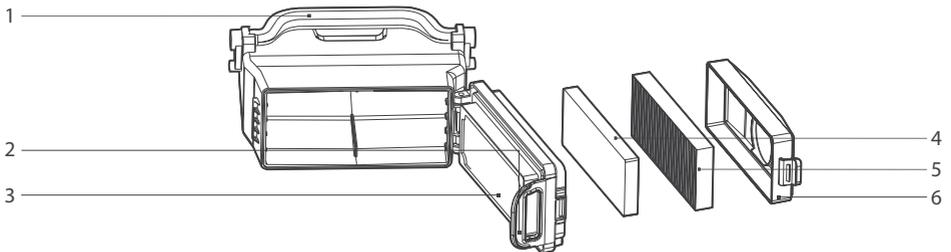
1. Lock/Release Button
2. Charging Dock Pins
3. Charging Dock Top Lid
4. Infrared Signal Generator
5. Anti-Slip Strips
6. Charging Dock Base

Remote Control



1. Pause Button
2. AUTO Mode Button
3. Spot Cleaning Mode Button
4. Edge Cleaning Mode Button
5. Direction Control Buttons
6. Intensive Cleaning Mode Button
7. Return to Charger Mode Button
8. Infrared Emitter

Dust Bin

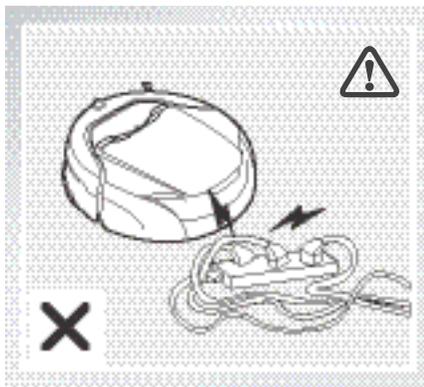


1. Dust Bin Handle
2. Dust Bin Lock
3. Filter Net
4. Sponge Filter
5. High Efficiency Filter
6. Dust Bin Cover

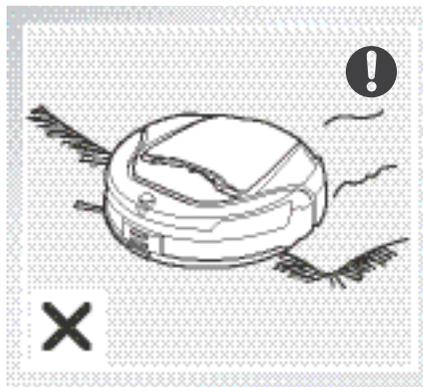
3. Operating and Programming

3.1 Notes before Cleaning

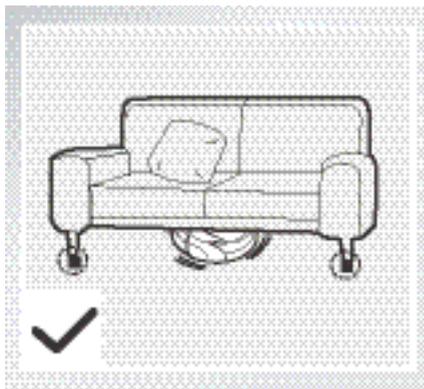
Before Operating DEEBOT, take a few moments to survey the area to be cleaned and remove any obstacles.



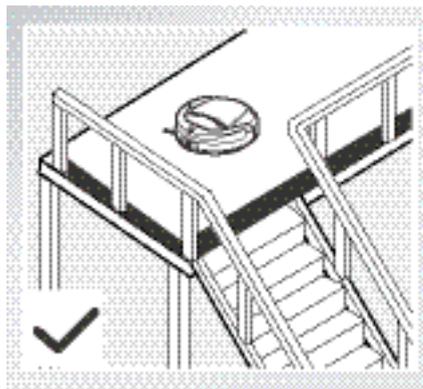
Remove power cords and small objects from the floor that could entangle the product.



The product is not suitable for use on long-pile carpet. Before using the product near a long-pile area rug or on a short-pile area rug with tasseled edges, please fold area rug edges under themselves.



Please be aware that the robot needs at least a 10cm (4") clearance to clean under furniture without complications.



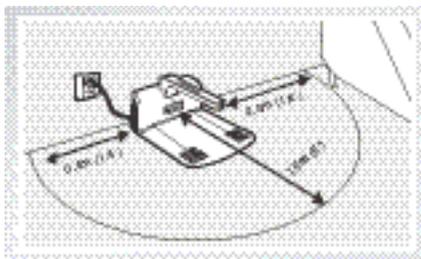
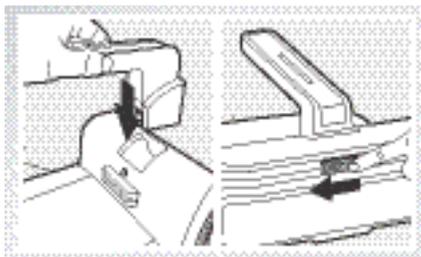
If there is a step or stairs in the cleaning area, please operate DEEBOT 6 to ensure its Anti-Drop Sensors can detect the drop off. It may be necessary to place a physical barrier at the edge of the drop off to keep the unit from falling over the edge.

3. Operating and Programming

3.2 Quick Start

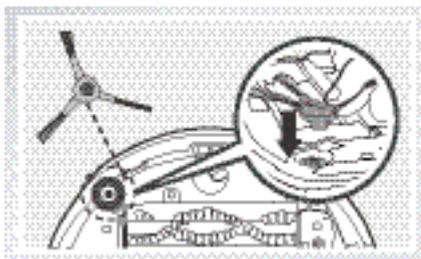
1 Charging Dock Placement

- Assemble Charging Dock: Insert the Charging Dock Top Lid into the slot on the Charging Dock Base. Slide the Lock/Release button on the back of the Charging Dock to the left to lock the Top Lid in place.
- Placement: Place the Charging Dock on a level floor surface against the wall with the base perpendicular to the ground. Keep the immediate area 1.5m (5') in front of the charger and 0.5m (1.6') on both sides of the charger clear of objects and reflective surfaces.
- Plug the Charging Dock in.



2 Install Side Brush

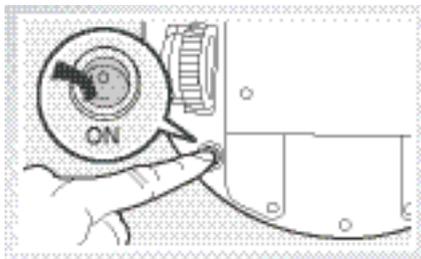
- Attach the Side Brush to the bottom of DEEBOT 6 by pressing the brush into the slot until it clicks.



3 Power ON

- Turn the robot's Bottom Power Switch to the ON position. "I" indicates ON and "O" indicates OFF.

* When DEEBOT 6 is not working, it is suggested to keep it powered ON and charging, instead of powered OFF.



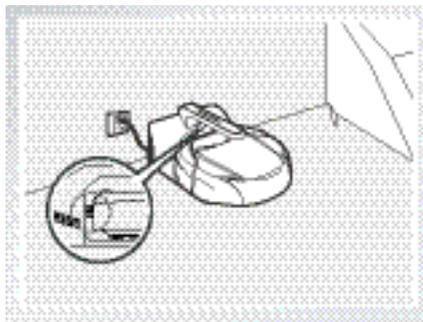
3. Operating and Programming

4 Charge DEEBOT 6

- Place DEEBOT 6 on the Charging Dock making sure the Charging Contacts on DEEBOT 6 and the Charging Dock Pins make a connection.

* Charge DEEBOT 6 for at least 12 hours before the first use.

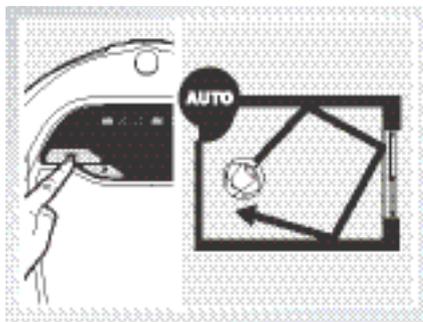
* The Status Light Indicators on the top of the robot and the Battery Display on the robot's Control Panel Screen blink when DEEBOT 6 is charging and go off when DEEBOT 6 is fully charged.



5 Start

- Press the AUTO Mode Button on the robot or on the Remote Control. DEEBOT 6 starts to work immediately in AUTO Cleaning Mode.

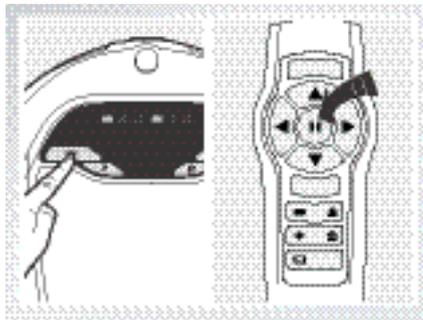
* To choose another Cleaning Mode, please refer to section 3.3 Cleaning Mode Selection for details.



6 Pause

- Pause DEEBOT 6 by pressing any button on DEEBOT 6 or the Pause Button on the Remote Control.

* DEEBOT 6 can be directed to move forward, backward, left and right using the Direction Control Buttons on the Remote Control when it is Paused. DEEBOT 6 does not clean when Paused.



3. Operating and Programming

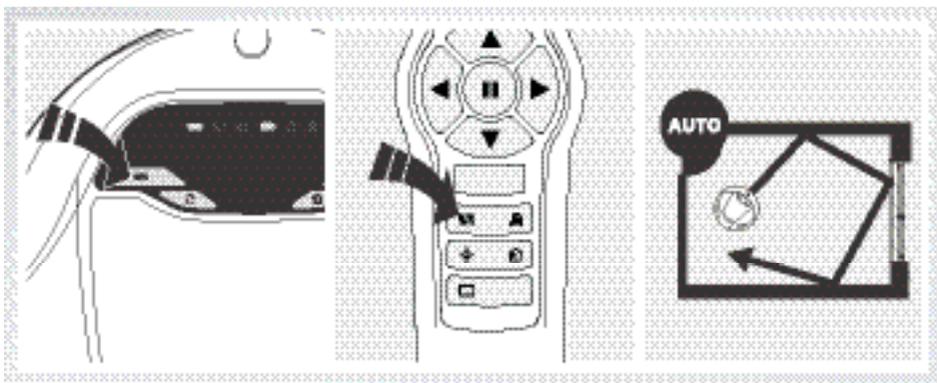
3.3 Cleaning Mode Selection

DEEBOT 6 has several Cleaning Modes for you to choose from to effectively clean different floors. Cleaning Modes are selected using the robot's Control Panel Buttons or using the Remote Control.

* Pause DEEBOT 6 before switching Cleaning Modes.

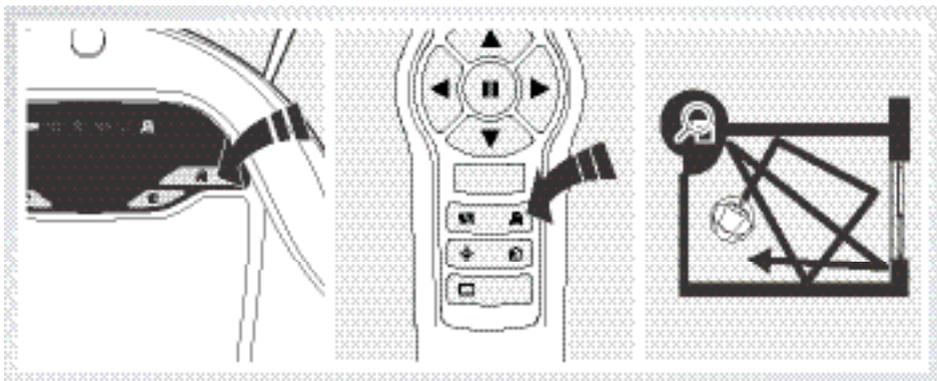
AUTO Cleaning Mode

This is the most commonly used mode. In AUTO Cleaning Mode, DEEBOT 6 cleans in a straight line and changes direction when it meets an obstacle.



Intensive Cleaning Mode

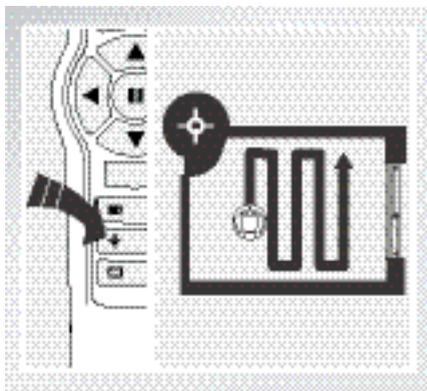
This mode is good for aggressive cleaning or for extremely dirty or dusty floors. In this mode, DEEBOT 6 is more sensitive to dirt and dust and performs a more thorough cleaning. In this mode, DEEBOT 6 follows the same cleaning pattern as AUTO Cleaning Mode, but performs a more thorough cleaning.



3. Operating and Programming

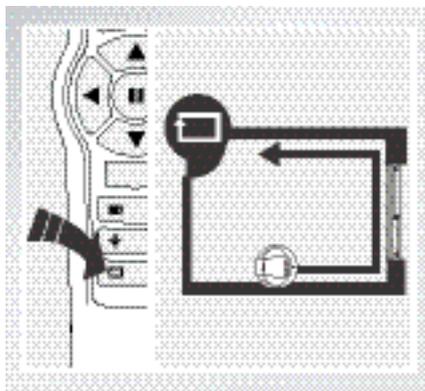
Spot Cleaning Mode

This mode is applicable for an area of highly concentrated dirt or dust. In Spot Cleaning Mode, DEEBOT 6 focuses on a specific area to clean.



Edge Cleaning Mode

This mode is good for cleaning the edges and corners of a room. In Edge Cleaning Mode, DEEBOT 6 cleans along a border (e.g. wall).

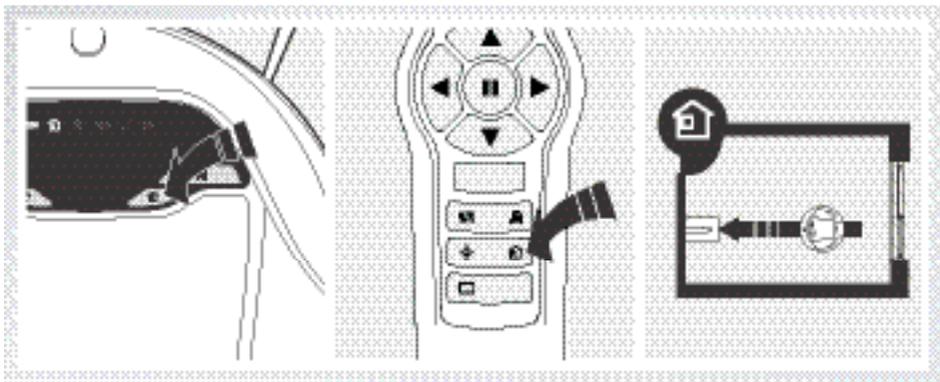


* These modes can only be selected using the Remote Control.

Return to Charger Mode

When battery power gets low, DEEBOT 6 automatically switches to Return to Charger Mode and returns to the Charging Dock to recharge itself.

DEEBOT 6 can also be sent back to the Charging Dock at any time by pressing the Return to Charger Mode Button on DEEBOT 6 or on the Remote Control.



3. Operating and Programming

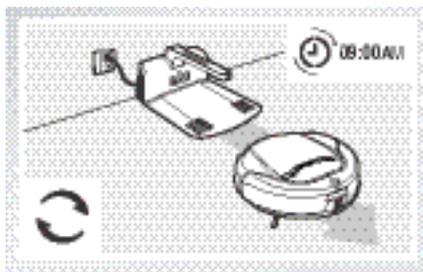
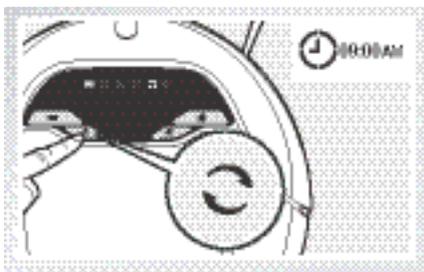
3.4 Intelligent Scheduling

DEEBOT 6 has an Intelligent Scheduling function. DEEBOT 6 can be scheduled to clean once per day at the same time, even if nobody is at home.

Set Intelligent Scheduling

Press  on DEEBOT 6 to set the current time as the scheduled cleaning time. Intelligent Scheduling is set successfully when  indicator on the robot's Control Panel Screen illuminates. DEEBOT 6 immediately starts the first scheduled cleaning, and will automatically clean at the same time every day.

For example: Press  at 09:00 am.  indicator on robot's Control Panel Screen illuminates. DEEBOT 6 automatically cleans at 09:00 am every day.

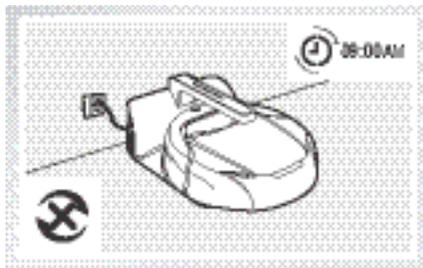
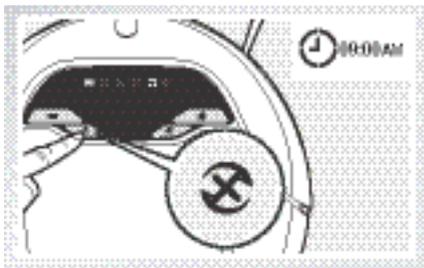


Cancel Intelligent Scheduling

Cancel Intelligent Scheduling using one of the methods below:

- Press any mode button on the Remote Control to cancel Intelligent Scheduling. Intelligent Scheduling is cancelled when  indicator on the robot's Control Panel Screen goes off.
- Press any button on the robot to pause DEEBOT 6, and then press any mode button to cancel Intelligent Scheduling. Intelligent Scheduling is cancelled when  indicator on the robot's Control Panel Screen goes off.

- * To automatically clean at another time, first cancel the current Intelligent Scheduling, then set Intelligent Scheduling again at the desired time.
- * If DEEBOT 6 is turned OFF, Intelligent Scheduling function is cancelled.



3. Operating and Programming

3.5 Alarm Indicator

If the robot detects a problem, the Alarm Indicator on the Control Panel illuminates. Please troubleshoot using the chart below.

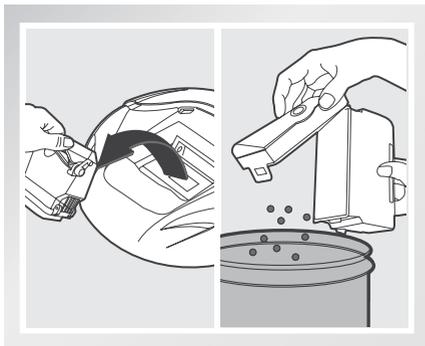
Possible Problem	Solution
Dust Bin is not installed or is not installed properly.	Install the Dust Bin if it is missing, or remove the Dust Bin and re-install it properly.
Main Brush or Side Brush malfunction.	Check Main Brush and Side Brushes for debris and clean as described in section 4.
Driving Wheel is suspended.	Place DEEBOT 6 on an even surface so it can regain traction.
Low Battery.	Place DEEBOT 6 on the Charging Dock to charge.

4. Maintenance

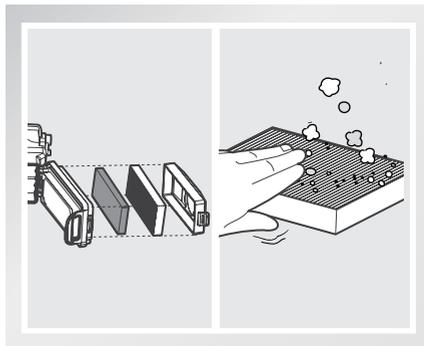
* Before performing cleaning and maintenance on DEEBOT 6, turn the Bottom Power Switch to the OFF position and unplug the Charging Dock.

4.1 Dust Bin and Filters

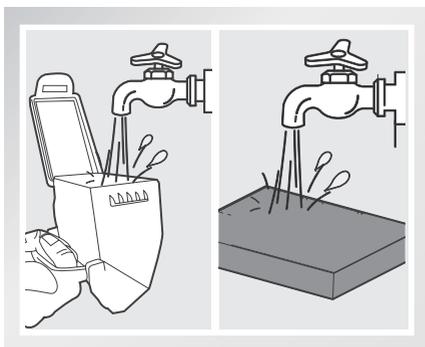
Open DEEBOT 6's Top Cover and remove the Dust Bin. Open the Dust Bin Cover and empty the Dust Bin.



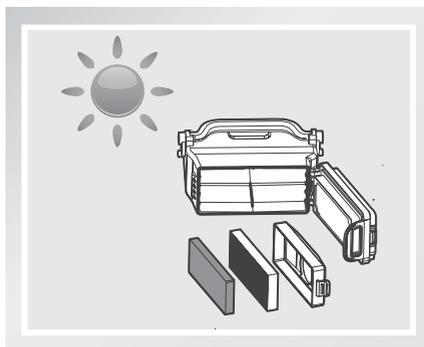
Remove the filters. Pat the High Efficiency Filter clean. Do not rinse the High Efficiency Filter under water.



Rinse the Dust Bin, Sponge Filter and Filter Net under running water.



Dry the Dust Bin and filter components completely before reinstalling.



4. Maintenance

4.2 Main Brush and Side Brush

* A Multi-Function Cleaning Tool is provided for easy maintenance. Handle with care, this cleaning tool has sharp edges.

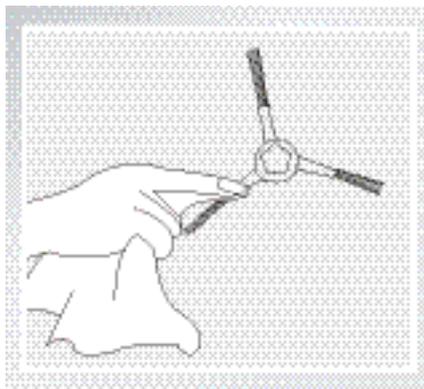
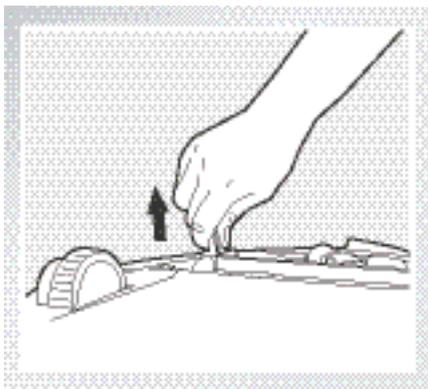
Cleaning the Main Brush

Unscrew the Main Brush Screw and remove the Main Brush. Use the Multi-Function Cleaning Tool to cut off and remove any hair tangled around the Main Brush.



Cleaning the Side Brush

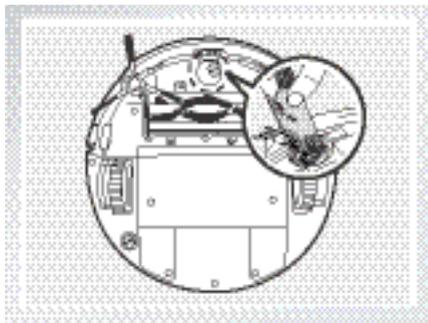
Remove the Side Brush. Wipe the Side Brush and its slot with a dry cloth.



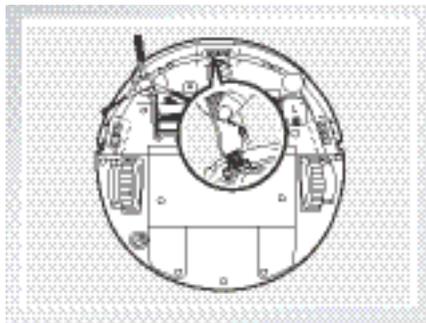
4. Maintenance

4.3 Other Components

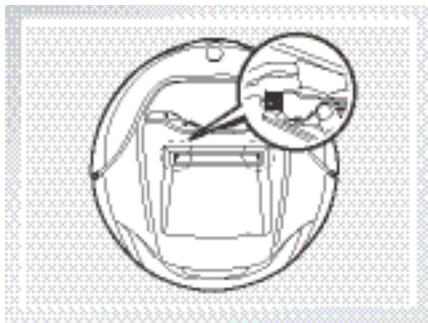
Clean the Universal Wheel by removing any hair tangled around the Universal Wheel.



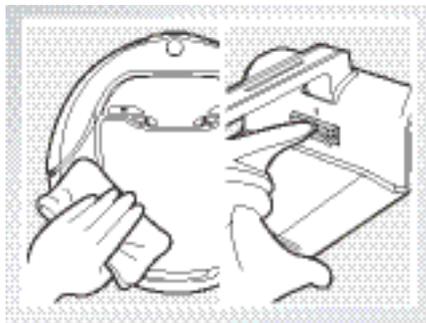
Wipe the Anti-Drop Sensors with the brush or the felt side of the Multi-Function Cleaning Tool to maintain their effectiveness.



Wipe the Dust Sensors with the brush or the felt side of the Multi-Function Cleaning Tool to maintain their effectiveness.



Wipe the Charging Contacts and Charging Dock Pins clean with a dry cloth.



- * Remove DEEBOT 6's battery if the robot will not be used for a long time. In case of battery leakage, please remove the battery and wipe the battery slot clean while wearing protective gloves.
- * If battery is fully discharged or not used for a long time, its capacity may decrease and need to be reactivated.
- * To reactivate the battery: Place the robot on the Charging Dock by hand, remove after charging for 3 minutes; repeat 3 times, then charge normally for 3-5 hours.
- * DEEBOT 6 uses a long life Ni-MH battery, and does not require frequent replacement. To replace the battery, contact Customer Service or follow the below instructions:
 - a. Unscrew the Battery Cover Screws, remove Battery Cover.
 - b. Remove the battery and disconnect the fasteners.
 - c. Connect the corresponding positive and negative fasteners on the new battery. Insert the new battery, reassemble the Battery Cover and screw in the Battery Cover Screws.

5. Troubleshooting

Please use this chart to troubleshoot common problems using DEEBOT 6.

NO.	Malfunction	Possible Causes	Solutions
1	DEEBOT 6 will not charge.	The Bottom Power Switch on the bottom of DEEBOT 6 is not turned ON.	Turn the Bottom Power Switch to the ON position.
		DEEBOT 6 has not made a connection with the Charging Dock.	Be sure that DEEBOT 6 has made a connection with the Charging Dock Pins. You may move the robot manually to make the connection if necessary.
		Charging Dock is unplugged while robot's Bottom Power Switch is ON, which causes battery consumption.	Plug in the Charging Dock and ensure the robot's Bottom Power Switch is turned ON. Keep DEEBOT 6 on the Charging Dock to make sure it has a full battery to work at any time.
		The battery is completely discharged.	Re-activate the battery. Place DEEBOT 6 on the Charging Dock by hand, remove after charging for 3 minutes, repeat 3 times; then charge normally.
2	DEEBOT 6 gets into trouble while working and stops.	DEEBOT 6 is tangled with something on the floor (electrical cords, drooping curtains, carpet fringe etc.).	DEEBOT 6 will try various ways to get itself out of trouble. If it is unsuccessful, manually remove the obstacles and restart.
3	DEEBOT 6 returns to the Charging Dock before it finishes cleaning.	When battery power gets low, DEEBOT 6 automatically switches to Return to Charger Mode and returns to the Charging Dock to recharge itself.	This is normal. No solution necessary.
		Working time varies according to floor surface, room complexity and the selected Cleaning Mode.	This is normal. No solution necessary.
4	DEEBOT 6 will not clean automatically at scheduled time.	Intelligent Scheduling function is cancelled.	Please refer to section 3.4 Intelligent Scheduling for details.
		The Bottom Power Switch on the bottom of the robot is OFF.	Turn the Bottom Power Switch to the ON position.
		The robot's battery is low.	Keep DEEBOT 6 powered ON and on the Charging Dock to make sure it has full battery to work at any time.
		DEEBOT 6's components are tangled with debris.	Turn DEEBOT 6's Bottom Power Switch OFF, clean the Dust Bin, and invert the robot. Clean the Side Brushes and the Main Brush.

5. Troubleshooting

NO.	Malfunction	Possible Causes	Solutions
5	Remote Control failure (effective control range of Remote Control is 5m (1.6')).	The batteries in the Remote Control need to be replaced.	Replace with new batteries making sure they are installed correctly.
		The Bottom Power Switch is turned OFF, or DEEBOT 6's battery is low.	Make sure DEEBOT 6's Bottom Power Switch is ON and fully charged.
		The infrared signal cannot be transmitted because the Infrared Emitter on the Remote Control or DEEBOT 6's Infrared Receiver on DEEBOT 6 is dirty.	Use a dry cloth or the Multi-Function Cleaning Tool to wipe the Infrared Emitter on Remote Control and the Infrared Receiver on DEEBOT 6.
		There is other equipment interfering with the infrared signal to DEEBOT 6.	Avoid using the Remote Control near other equipment using infrared signals.