

***iRobot***<sup>®</sup>  
Roomba<sup>®</sup>

900 Series Owner's Guide



# Important Safety Information

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**THIS APPLIANCE CAN BE USED BY CHILDREN AGED FROM 8 YEARS AND ABOVE AND PERSONS WITH REDUCED PHYSICAL, SENSORY OR MENTAL CAPABILITIES OR LACK OF EXPERIENCE AND KNOWLEDGE 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.**

**CAUTION: DO NOT EXPOSE THE ELECTRONICS OF YOUR ROBOT, ITS BATTERY, OR THE INTEGRATED DOCK-CHARGER KNOWN AS HOME BASE. THERE ARE NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. PLEASE ENSURE VOLTAGE RATING FOR ENCLOSED HOME BASE MATCHES STANDARD OUTLET VOLTAGE.**

**TO REDUCE THE RISK OF INJURY OR DAMAGE, KEEP THE FOLLOWING SAFETY PRECAUTIONS IN MIND WHEN SETTING UP, USING AND MAINTAINING YOUR ROBOT.**

## General Safety Instructions

(For EU Declaration of Conformity information, visit [www.irobot.com/compliance](http://www.irobot.com/compliance))

- Read all safety and operating instructions before operating your robot.
- Retain the safety and operating instructions for future reference.
- Heed all warnings on your robot, battery, Home Base® and in the owner's guide.
- Follow all operating and use instructions.
- Refer all non-routine servicing to iRobot.

## Use Restrictions

- Your robot is for indoor use only.
- Your robot is not a toy. Do not sit or stand on this device. Small children and pets should be supervised when your robot is operating.
- Store and operate your robot in room temperature environments only.
- Clean iAdapt Localization Camera with a cloth dampened with water only.
- Do not use this device to pick up anything that is burning or smoking.
- Do not use this device to pick up spills of bleach, paint, or other chemicals, or anything wet.
- Before using this device, pick up objects like clothing, loose papers, pull cords for blinds or curtains, power cords, and any fragile objects. If the device passes over a power cord and drags it, there is a chance an object could be pulled off a table or shelf.
- If the room to be cleaned contains a balcony, a physical barrier should be used to prevent access to the balcony and ensure safe operation.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Use Roomba only in dry environments.
- Do not spray or pour liquids on Roomba.
- Children should be supervised to ensure they do not play with the robot. Cleaning and maintenance shall not be performed by children without supervision.
- Do not place anything on top of your robot.
- Be aware that the robot moves on its own. Take care when walking in the area that the robot is operating in to avoid stepping on it.
- Do not operate the robot in areas with exposed electrical outlets in the floor.
- Your iRobot Roomba comes with a region approved power supply cord. Do not use any other power supply cord. For replacement cords, please contact Customer Care to ensure proper selection of country specific power supply cord.

## Battery and Charging

- Charge using a standard outlet only. Product may not be used with any type of power converter. Use of other power converters will immediately void the warranty.
- Use only rechargeable battery packs with the correct specification approved by iRobot.
- Do not use a Home Base with a damaged cord or plug. If the cord or plug is damaged, it must be serviced by the manufacturer or similarly qualified persons.
- Always charge and remove the battery from your robot and accessories before long-term storage or transportation.
- Charge indoors only.
- Your robot's Home Base may be protected with a surge protector in the event of severe electrical storms.
- Never handle the Home Base with wet hands.
- Always disconnect your robot from the Home Base before cleaning or maintaining it.
- Please ensure voltage rating for enclosed Home Base matches standard outlet voltage.
- Used battery packs should be placed in a sealed plastic bag and disposed of safely according to local environmental regulations.
- Before every use, check the battery pack for any sign of damage or leakage. Do not charge damaged or leaking battery packs.
- If the battery pack is leaking, return it to your local authorized iRobot Service Center for disposal.
- The battery pack must be removed from the robot before disposal.
- Do not crush or dismantle battery packs. Do not heat or place the battery pack near any heat source.
- Do not incinerate the battery pack. Do not short-circuit the battery pack.
- Do not immerse the battery pack in any liquid.
- Contact your local waste management authority for battery recycling and disposal regulations in your area.

### The symbol on the product or its packaging indicates:



Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local authority for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being. Please contact your local or regional waste authority for more information on collection, reuse and recycling programs

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## Using your Roomba

### Positioning the Home Base®

Place the Home Base in an open, uncluttered area leaving the following distances around the Home Base:

- At least 1.5 feet (0.5 meters) on each side of the Home Base
- At least 4 feet (1 meter) in front of the Home Base, and at least 4 feet (1 meter) away from stairs
- At least 8 feet (2.5 meters) from Virtual Wall Barriers

Always keep the Home Base plugged in and make sure it is in an area with consistent Wi-Fi® coverage to allow Roomba to receive information via the iRobot HOME App.

### Download the iRobot HOME App and connect to Wi-Fi®:

- Watch an overview video with instructions on how to set-up and use your Roomba
- Set an automatic cleaning schedule (up to 7 times per week) and customize cleaning preferences
- Enable automatic Software updates
- Access to tips, tricks, and answers to commonly asked questions



## Use Instructions

- Manually wake Roomba up by pressing CLEAN once. Roomba will beep and the CLEAN button will illuminate. To start a cleaning cycle, press CLEAN again.
  - You can also start a cleaning cycle with the iRobot HOME App by opening the app and pressing the CLEAN button on the App home screen.
-  **Note:** Remove excess clutter from floors before cleaning (e.g. clothing, toys, etc.). Use Roomba frequently to maintain well-conditioned floors.
- If its battery gets low before finishing a cleaning cycle, Roomba returns to the Home Base to recharge. It will not play a tone when it docks and its CLEAN button will pulse with the battery indicator ().
    - » After its battery has been recharged, Roomba automatically returns to where it left off and completes the cleaning cycle.
    - » You can check the iRobot HOME App for a current status of your Roomba.
  - If Roomba is returning to recharge after completing a cleaning cycle, it will play a series of tones to indicate successful completion of the cleaning cycle.
  - To pause Roomba during a cleaning cycle, press CLEAN.
  - To resume the cleaning cycle, press CLEAN again.
  - To end the cleaning cycle and put Roomba in standby mode, press and hold CLEAN until Roomba's indicators turn off.

- To send Roomba back to its Home Base during a cleaning cycle, press CLEAN and then  (DOCK) on Roomba or press CLEAN on the iRobot HOME App main screen. This will end the cleaning cycle.
  - If Roomba encounters an area of high debris concentration, it will move in a forward/backward motion to clean the area more thoroughly. When Roomba does this, you will see the Dirt Detect™ indicator () illuminate.
  - To use SPOT Cleaning, place Roomba on top of the localized debris and press  (SPOT) on the robot. Roomba will intensely clean the area by spiraling outward about 3 feet (1 meter) in diameter and then spiraling inward to where it started.
  - When Roomba senses that its dust bin is full () it is programmed to complete its cleaning cycle by default. You can adjust this setting under Cleaning Preferences () in the iRobot HOME App.
    - » Roomba won't leave the Home Base for a cleaning cycle if its bin is full. In this case, remove and empty the bin, then reinsert it before starting or resuming a cleaning cycle.
-  **Note:** After each use, empty the bin and clean the filter.
- Always store Roomba on the Home Base so it's charged and ready to clean when you need it. If storing off of the Home Base, remove the battery first and then store Roomba and the battery in a cool, dry place.

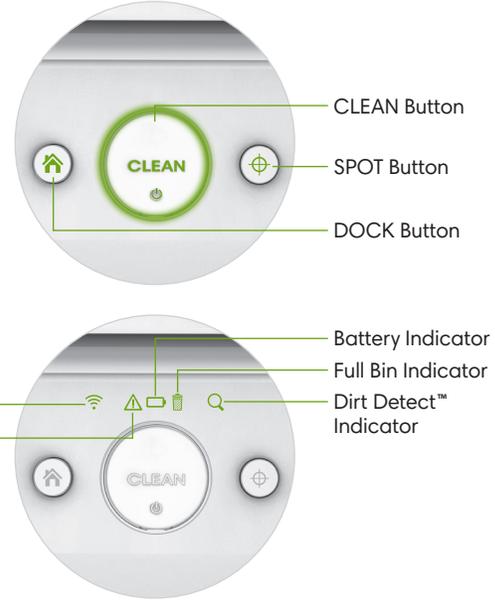
# Robot Anatomy

## Top View



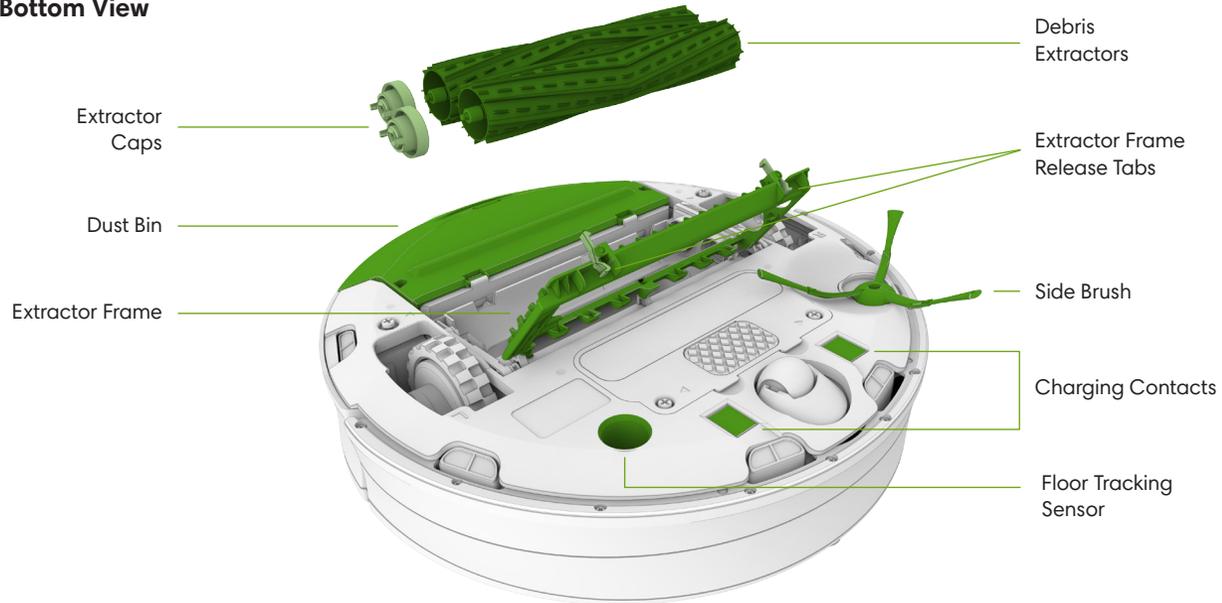
- Handle
- iAdapt® Localization Camera
- Bin Release Button

## Buttons & Indicators



- CLEAN Button
- SPOT Button
- DOCK Button
- Battery Indicator
- Full Bin Indicator
- Dirt Detect™ Indicator
- Wi-Fi® Indicator
- Troubleshooting Indicator

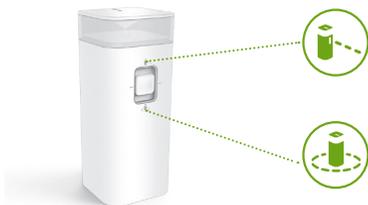
**Bottom View**



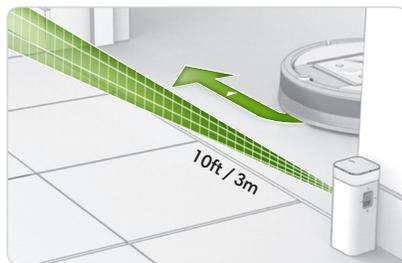
## Dual Mode Virtual Wall® Barriers

### The Dual Mode Virtual Wall Barrier (optional accessory for all models)

The Dual Mode Virtual Wall barrier keeps Roomba in the places you want to be cleaned — and out of the ones you don't. In between cleaning cycles, you can leave the device operating in its position on the floor. You can set your device to one of two modes to fit your home's cleaning needs:

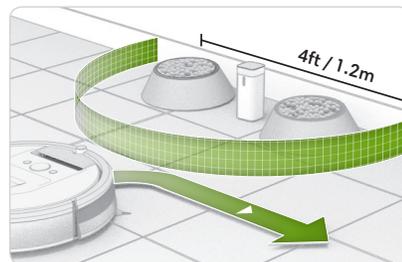


**Note:** Under normal use, batteries will last 8-10 months. If you are not planning on using your Virtual Wall device for an extended period of time and you would like to store it, be sure to switch it to the "Off" (middle) position.



**Virtual Wall Mode:** When the switch is in the "up" position (↑), the device functions as a Virtual Wall. This means that you can set it to block openings of up to 10 feet (3 meters). It creates an invisible, cone-shaped barrier that only Roomba can see.

**Note:** This barrier gets wider as it gets further from the device (refer to illustration).



**Halo Mode:** When the switch is in the "down" position (↓), the device creates a protective zone that Roomba will not enter. This prevents Roomba from bumping into items you want to protect (e.g. a dog bowl or vase) or crossing into undesired areas (e.g. a corner or under a desk). The Halo is invisible and reaches approximately 24 inches (60 centimeters) from the center of the device.

## Regular Robot Care

To keep Roomba running at peak performance, perform the following care procedures. If you notice Roomba picking up less debris from your floor, then empty the bin, clean the filter and clean the extractors.

| Robot Part  | Care Frequency  | Replacement Frequency |
|---|---|-----------------------|
| Bin   | After each use  | -                     |
| Filter  | Once per week (twice per week in homes with pets)               | Every 2 months        |
| Full Bin Sensors  | Once every 2 weeks  | -                     |
| Front Caster Wheel<br>Side Brush<br>Cliff Sensors<br>Charging Contacts<br>iAdapt Localization Camera<br>Floor Tracking Sensor | Once per month  | -                     |
| Extractors  | Once every 4 months<br>(once every 3 months in homes with pets) | Every 6-12 months     |



**Note:** iRobot manufactures various replacement parts and assemblies. If you think you need a replacement part, please contact iRobot Customer Care for more information.

## Emptying the Bin:



- 1 Press bin release button to remove bin.



- 2 Open bin door to empty bin.

 **Note:** If the Full Bin indicator  comes on at any time during a cleaning job, you can always pause the cleaning job to empty the bin and then continue cleaning.

If the Full Bin indicator  is illuminated but the bin does not appear to be full, refer to page 9 for Full Bin sensor cleaning instructions.

## Cleaning the Filter:



- 1 Remove filter by grasping the yellow tab.



- 2 Shake off debris by tapping the filter against your trash container.

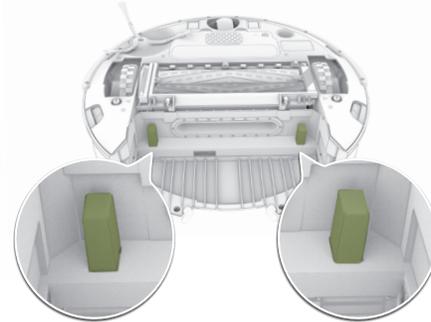
 **Important:** The filter door won't close unless a filter is reinserted. Insert the filter with the yellow tab facing up.

## Cleaning the Full Bin Sensors:

- 1 Remove and empty the bin.



- 2 Wipe the sensors with a clean, dry cloth.

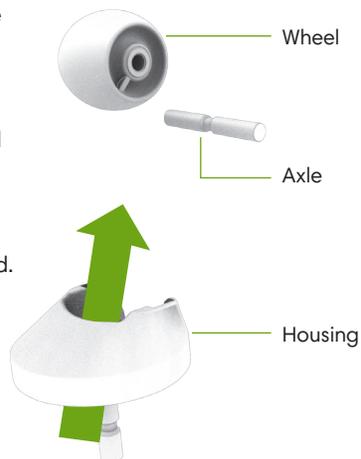


- 3 Wipe the inner and outer sensor ports on the bin with a clean, dry cloth.



## Cleaning the Front Caster Wheel:

- 1 Pull firmly on the front wheel to remove it.
- 2 Remove any debris from inside the wheel cavity.
- 3 Spin the wheel by hand. If rotation is restricted, remove the wheel from its housing and push firmly to remove the axle and clear any debris or hair wrapped around it.
- 4 Reinstall all parts when finished. Make sure the wheel clicks back into place.



## Cleaning the Side Brush:

- 1 Use a coin or small screwdriver to remove the screw.
- 2 Remove the brush, clean the brush and the brush post, and reinstall the brush.



## Cleaning the Sensors and Charging Contacts:

- 1 Wipe the Sensors with a clean, dry cloth. Do not spray cleaning solution directly onto the sensors or sensor openings.

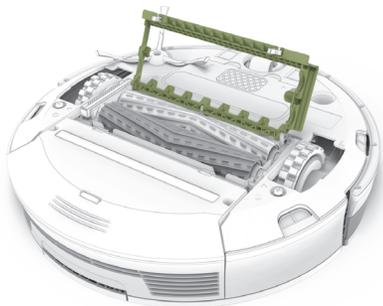


- 2 Wipe the charging contacts on Roomba and the Home Base with a clean, dry cloth.



## Cleaning the Extractors:

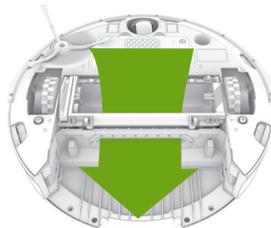
- 1 Pinch the yellow extractor frame release tabs, lift up the extractor frame and remove any obstructions.



- 2 Remove the extractors and remove the yellow extractor caps. Remove any hair or debris that has collected underneath the caps and around the metal axles. Reinstall the extractor caps.



- 4 Clear the Vacuum Path.



- 3 Remove hair and debris from the square and hexagonal plastic pegs on the other side of the extractors.



- 5 Reinstall the extractors. Match the color and shape of the extractor pegs with the color and shape of the extractor icons on the cleaning head module.

# Troubleshooting

Roomba will tell you something is wrong with a two-tone distress sound followed by a spoken message. The troubleshooting indicator (⚠) will also blink. More detailed support and videos, are available through the iRobot HOME App as well as online. If the problem is not resolved, visit [www.irobot.com/support](http://www.irobot.com/support).

## Rebooting Instructions

For some errors, rebooting Roomba may resolve the problem. To reboot Roomba, press and hold CLEAN for 10 seconds until all indicators illuminate, then release. When you release the CLEAN button, you will hear an audible tone signifying a successful reboot.

 **Note:** If you use Roomba's scheduling feature, open the iRobot HOME App after rebooting to confirm that Roomba's schedule remains intact.

## Reduced Power Standby Mode

Roomba consumes a small amount of power any time it is on the Home Base to ensure that it is ready for its next cleaning job as well as to maintain Wi-Fi connectivity. It is possible to put Roomba in a further-reduced power state when not in use. For instructions and more details on this Reduced Power Standby Mode, refer to the iRobot HOME App.

## Lithium Ion Battery

For best results, only use the iRobot Lithium Ion Battery that comes with Roomba. While Roomba will operate with older-model batteries, its performance will be limited.

-  **Important:** Lithium ion batteries and products that contain lithium ion batteries are subject to stringent transportation regulations. If you need to ship this product (with the battery included) for service, travel or any other reason, you **MUST** comply with the following shipping instructions:
- » Remove the lithium ion battery from the product
  - » Place a piece of tape over the battery's metal charging contacts
  - » Reinstall the battery (with the tape on it) in the product and secure the battery door
  - » Package the product in its original packaging or in your own packaging that prevents any movement during transportation
  - » Ship via ground transportation only (no air shipping)

# iRobot Customer Care

## USA & Canada

If you have questions or comments about your Roomba, please contact iRobot before contacting a retailer. You can also find additional information on the iRobot HOME App.

You can start by visiting [www.irobot.com/support](http://www.irobot.com/support) for support tips, frequently asked questions and information about accessories. Should you still need assistance, call our Customer Care team at (877) 855-8593.

### **iRobot Customer Care Hours:**

- Monday to Friday, 9AM – 7PM Eastern Time
- Saturday, 9AM – 6PM Eastern Time





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