# iRobot®

**Roomba® 900**

Owner's Manual

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# Important Safety Information

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 these safety precautions in mind when setting up, using and maintaining your robot:

## General Safety Instructions

- 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 manual.
- Follow all operating and use instructions.
- Refer all non-routine servicing to iRobot.

**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.

## 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 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.
- 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.

## 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.
- Use only rechargeable battery packs approved by iRobot.
- 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.

## Roomba Use Restrictions and Safety Information

- Use Roomba only in dry environments.
- Do not spray or pour liquids on Roomba.

![iRobot]

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# Setup Guide

Follow these three simple steps to get started with your Roomba vacuum cleaning robot. For additional operating instructions see page 8.

## Step 1: Activate Roomba
- In an uncluttered area, place the Home Base® charging station flat against a wall on a level floor surface. Refer to page 17 for tips on optimizing the position of the Home Base.
- Plug one end of the line cord into the Home Base and the other into a wall outlet.
- Remove the yellow bin insert and battery pull tab from beneath the robot.
- Place Roomba onto the Home Base, making sure the metal charging contacts on the Home Base match up with those underneath the robot.
- If successful, you will hear a series of tones. Once the CLEAN button illuminates, Roomba is ready for use.

## Step 2: Start Cleaning Cycle
- Press CLEAN once to wake up Roomba.
- Press CLEAN again to start a cleaning cycle.

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- Roomba cleans an entire level of your home during one cleaning cycle.
- If its battery gets low before finishing a cleaning cycle, Roomba returns to the Home Base to recharge. After its battery has been recharged, Roomba automatically resumes, completes the cleaning cycle, and returns to the Home Base.
- If the Home Base is inaccessible, Roomba will not be able to recharge. It will return to its starting location and the cleaning cycle will end.

**Note:** Roomba ships with a partial battery charge. If you start a cleaning cycle before charging the battery fully, Roomba may return to the Home Base to recharge sooner than it will during future cleaning cycles.

## Step 3: Download the iRobot HOME App
- The iRobot HOME App allows you to use your iOS or Android smart device to help you have the best possible experience with Roomba.
- For more information on the iRobot HOME App, see next page.
- To download the iRobot HOME App, search **"iRobot HOME"** on the App Store or on Google Play™, or visit: **www.irobot.com/app**.

**Note:** If you require additional support during setup, refer to the troubleshooting steps within the iRobot HOME App or contact Customer Care via the app shortcuts.

# Why Download the iRobot HOME App?

The iRobot HOME App lets you connect Roomba with your home Wi-Fi® network, so you can use your iOS or Android smart device for tasks like these:

- Register your Roomba
- Schedule, start, pause or cancel cleaning cycles from anywhere
- Customize Cleaning Preferences
- Monitor Roomba's activity
- Name your Roomba
- Access set-up instructions
- Receive automatic software updates
- Find answers to commonly asked questions
- Contact Customer Care

To download, search "**iRobot HOME**" on the App Store or on Google Play, or visit: **www.irobot.com/app**.

# iRobot®

# Basic Operating Instructions

## Cleaning with Roomba

⚠️ **Important:** Before using Roomba for the very first time, you must activate the battery. See Step 1: Activate Roomba on page 6 for instructions.

To wake up Roomba, press CLEAN once. Roomba will beep and the CLEAN button will illuminate.

- To start a cleaning cycle, press CLEAN again.
    - » Roomba cleans an entire level of your home during one cleaning cycle.
    - » If its battery gets low before finishing, Roomba returns to the Home Base to recharge. After its battery has been recharged, Roomba automatically returns to where it left off and completes the cleaning cycle.
- To pause Roomba during a cleaning cycle, press CLEAN.
    - » To resume the cleaning cycle, press CLEAN again.
    - » To send Roomba back to the Home Base, press 🏠 (Dock)
- To end the cleaning cycle and put Roomba in standby mode, press and hold CLEAN until Roomba's indicators turn off.

📄 **Note:** The actions listed above can also be managed from the iRobot HOME app.

## Charging on the Home Base

At the end of a cleaning job or when Roomba's battery is running low, it returns to the Home Base to recharge. When it has docked successfully, the robot's battery indicator (▭) begins pulsing to signal that it is charging:

- 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.
  - » Within a minute of docking, all indicators will turn off. Roomba does this to conserve energy while charging.
  - » You can check the status of the battery by pressing CLEAN once.
- If Roomba is returning to recharge in the middle of a cleaning cycle, it will not play a tone as it docks and its CLEAN button will pulse with the battery indicator (▭). The iRobot HOME App will also display Roomba's current status.

If desired, you can also send Roomba to its Home Base manually by pressing ⌂ (Dock) on Roomba or by pressing CLEAN on the iRobot HOME App main screen and then ending the job.

## Battery Charging

Store Roomba on the Home Base so it's always charged and ready to clean when you need it. For best results, use only the iRobot Lithium Ion Battery that comes with Roomba. See page 26 for more details.

## 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.

**Note:**
- If you pick up Roomba and manually move it to another location, it may have difficulty finding its Home Base. For best results, allow Roomba to complete its cleaning cycle without interruption.
- If Roomba appears to have trouble docking, please refer to page 17 to ensure the Home Base has been installed in an optimal location.
- 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 (see page 21 for instructions).

# How Roomba Cleans Your Home

Roomba is designed to intelligently navigate and clean an entire level of your home. Here's a look at how it does its job:

- At the start of a cleaning cycle, Roomba uses iAdapt® 2.0 Navigation with Visual Localization to map out a series of small areas, cleaning them efficiently, one at a time. Using this map, Roomba tracks where it has and has not been to ensure complete coverage.

> **Note:** Depending on your home's layout, Roomba may not always finish cleaning one room before moving to the next. Don't worry, Roomba will return to clean any areas that it may have missed before completing the job.

- At various times throughout the cleaning cycle, Roomba touches up around the edges of the room, as well as chair legs and other furniture.
- Roomba continues this process until it has cleaned an entire level of your home. If its battery gets low before finishing a cleaning cycle, Roomba returns to the Home Base to recharge. After its battery has been recharged, Roomba automatically resumes and completes the cleaning cycle.
- Once Roomba finishes its cleaning cycle, Roomba returns to the Home Base to recharge.
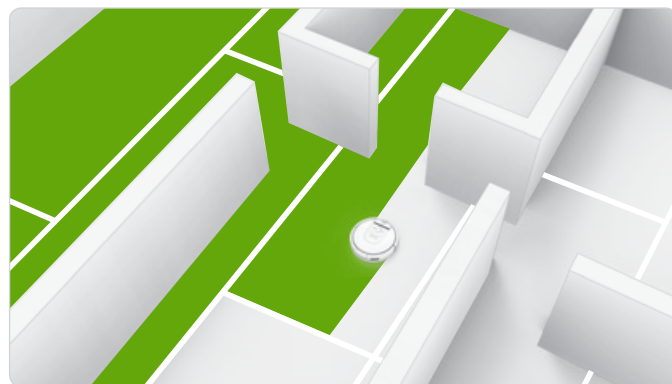


> **Note:**
> - To clear Roomba's memory of the areas it has cleaned so far in the middle of a cleaning job, press and hold CLEAN for 3 seconds until all indicators turn off.
>
> - Periodically, when Roomba encounters an area of high debris concentration, it will move in a forward/backward motion to clean the area more thoroughly. When Roomba does this, you will see the Dirt Detect™ indicator ($\bigcirc$) illuminate.

## Spot Cleaning

When you select Spot Cleaning, Roomba intensely cleans a localized area by spiraling outward about 3 feet (1 meter) in diameter and then spiraling inward to where it started. When Spot Cleaning, Roomba boosts its vacuum power to provide the best cleaning possible where you need it. To use Spot Cleaning, place Roomba on top of the localized debris and press ⊕ (Spot) on the robot.

## Cleaning Preferences

Roomba has various settings which allow you to customize how Roomba cleans your home. These settings are available only through the iRobot HOME App.

**Note:**
- Battery life and cleaning time will vary based on the cleaning preferences selected.
- Selected preferences apply to both manual and scheduled cleanings.

- **Carpet Boost:** On carpet, Roomba automatically increases its vacuum power to provide a deeper clean. On hard surfaces, Roomba reduces its vacuum power to decrease battery consumption while still delivering excellent cleaning performance. Carpet Boost is ON by default.

- **Number of Cleaning Passes:** In most cases, Roomba will remove dirt and debris with just one pass over each area of your home. Two pass cleaning may be particularly helpful in homes with pets or for periodic deep cleaning. The number of cleaning passes is one by default.

- **Edge Clean:** After Roomba finishes cleaning the open areas of your floor, it uses Edge Clean to ensure that it has cleaned along walls and around furniture legs. If you prefer a quicker clean, you can disable Edge Clean. Edge Clean is ON by default.



⚠️ **Important:** If you disable Edge Clean, Roomba may not cover your entire floor.

• **Behavior When Bin is Full:** Roomba senses when its dust bin is full. There are two options for what Roomba should do when the bin is full:

» **Finish Job:** Even if the bin is full, Roomba will continue cleaning until it has covered the entire space. Once the bin is emptied, Roomba is ready for a new cleaning job. The Full Bin behavior is "Finish Job" by default.

» **Pause Immediately:** As soon as its bin is full, Roomba will return to where it started and pause its cleaning job. Once the bin is emptied, press CLEAN to resume.
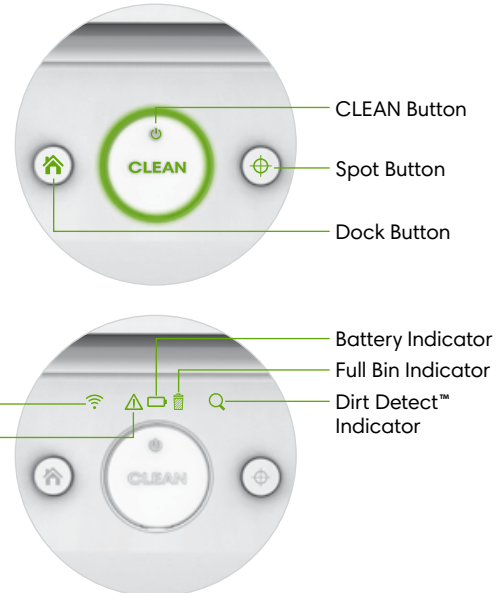
**Note:**
• If the Full Bin indicator (🔋) comes on at any time during a cleaning job, you can always pause the cleaning job to empty the bin and then continue cleaning.

• If the Full Bin indicator (🔋) is illuminated but the bin does not appear to be full, refer to page 22 for Full Bin sensor cleaning instructions.

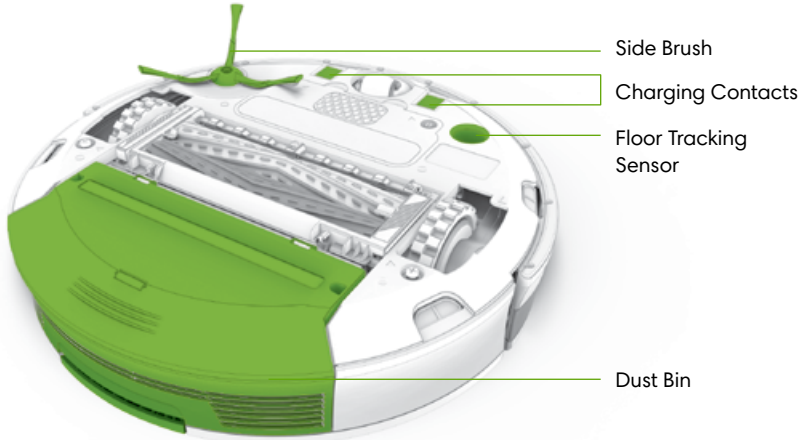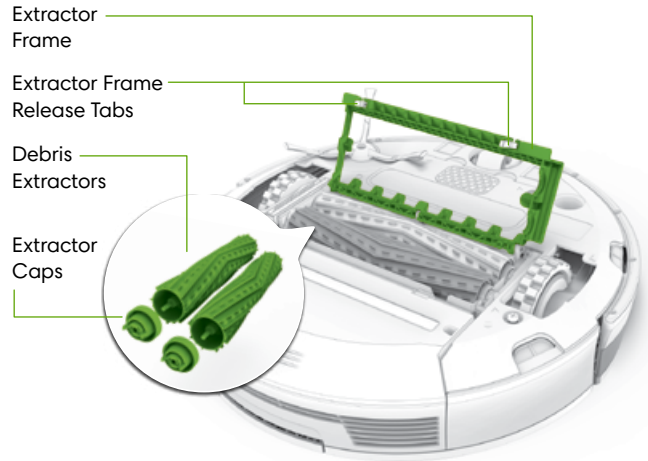# iRobot Roomba 900 Series Anatomy

**Top View**

Handle

iAdapt® Camera

Bin Release Button

**Buttons and Indicators**

CLEAN Button

Spot Button

Dock Button

Battery Indicator

Full Bin Indicator

Dirt Detect™ Indicator

Wi-Fi® Indicator

Troubleshooting Indicator

## Bottom View

Side Brush

Charging Contacts

Floor Tracking
Sensor

Dust Bin

## Cleaning Head and Components

Extractor
Frame

Extractor Frame
Release Tabs

Debris
Extractors

Extractor
Caps

# Tips for Optimizing Performance

## General Tips

- Use Virtual Wall® barriers to keep Roomba cleaning where you want it — and to avoid cleaning where you don't  (See page 18 for information on Dual Mode Virtual Wall Barriers).
- Remove excess clutter from floors before cleaning (e.g. clothing, toys, etc.).
- After each use, empty the bin and clean the filter.
- Use Roomba frequently to maintain well-conditioned floors.

## Floor Conditioning Process for Homes with Heavily Shedding Pets

In homes with heavily shedding pets, Roomba's bin may fill quickly with fur or hair. In these environments, Roomba may need to go through a floor conditioning process. You can help Roomba by scheduling it to clean frequently and emptying the bin when the Full Bin indicator ( ) illuminates — sometimes in the middle of a cleaning cycle. After this conditioning process, you will enjoy consistent cleaning performance from your Roomba.

## Positioning the Home Base®

Place the Home Base in an open, uncluttered area. We recommend you leave 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, with no furniture such as tables or chairs within this area.
- At least 4 feet (1 meter) between the Home Base and any stairs.
- At least 8 feet (2.5 meters) from Virtual Wall barriers.

Keep the Home Base on a level surface, flat against a wall to help Roomba clean more efficiently. Putting the Home Base at an angle will cause Roomba to clean diagonally in motion in relation to the wall.

Always keep the Home Base plugged in. When the Home Base is first plugged in, its power light turns on momentarily to indicate the Home Base is connected to the power source.

Place the Home Base in an area with consistent Wi-Fi® coverage; this will allow Roomba to receive information via the iRobot HOME app. If your mobile device has Wi-Fi® coverage at that location, Roomba should have sufficient signal strength.

# Dual Mode Virtual Wall Barriers

The Dual Mode Virtual Wall barrier (an optional accessory) keeps Roomba in the places you want to be cleaned — and out of the ones you don't. You can set your device to one of two modes to fit your home's cleaning needs:





10ft / 3m



4ft / 1.2m
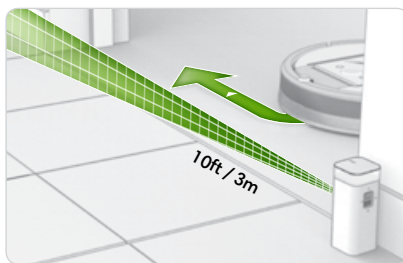
**Virtual Wall Mode:** When the switch is in the "up" position ( ), the device functions as a Virtual Wall. This means that you can set it to block openings of up to 10 feet (3 meters). It creates an invisible, cone-shaped barrier that only Roomba can see.

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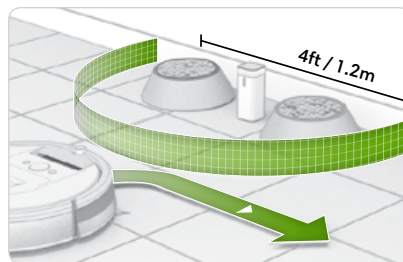
**Halo Mode:** When the switch is in the "down" position ( ), the device creates a protective zone that Roomba will not enter. This prevents Roomba from bumping into items you want to protect (e.g. a dog bowl or vase) or crossing into undesired areas (e.g. a corner or under a desk). The Halo is invisible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

## Use Instructions

There is a ring of light around the top of the device. The ring will pulse 5 times when the device is turned on, or when a new mode is selected. Select the desired mode. When the ring stops pulsing, place the device on the floor in the desired location. The ring of light will remain off until the batteries need to be replaced (2x AA batteries).

## When Not in Use

In between cleaning cycles, you can leave the device operating in its position on the floor.

**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.

# 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 Camera<br>Floor Tracking Sensor | Once per month | - |
| Extractors | Once every 4 months (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.
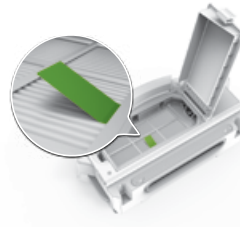
## Emptying Roomba's Bin:

**1** Press bin release button to remove bin.

**2** Open bin door to empty bin.

## Cleaning Roomba's 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.
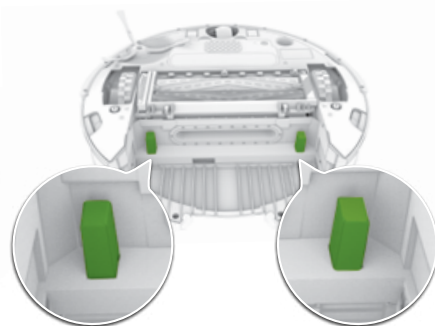
# Regular Robot Care (Continued)
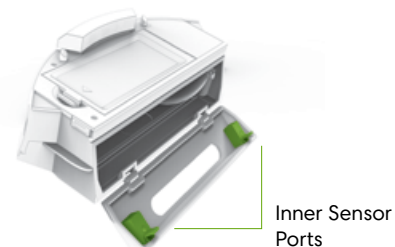
**Cleaning Roomba's Full Bin Sensors:**

**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.

Inner Sensor Ports

Outer Sensor Ports

## Cleaning Roomba's 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.

Wheel

Axle

Housing
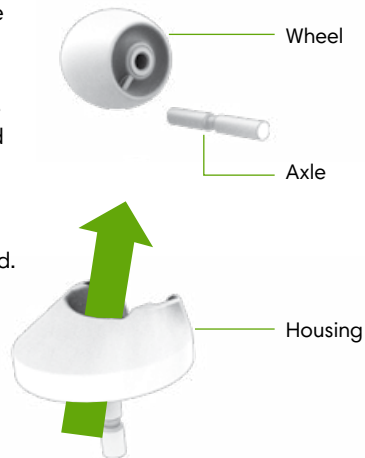
## Cleaning Roomba's Side Brush:

**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.
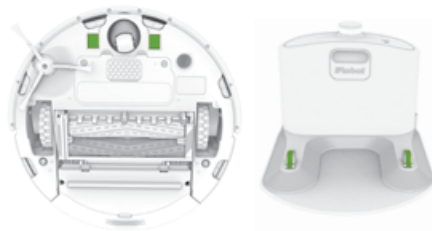
# Regular Robot Care (Continued)

**Cleaning Roomba's Cliff Sensors and Charging Contacts:**

**1** Wipe Roomba's Cliff Sensors with a clean, dry cloth.

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

**Cleaning Roomba's Floor Tracking Sensor:**

Turn Roomba over and use a clean, dry microfiber or soft cotton cloth to wipe any debris that has accumulated in the round sensor opening on the right side of the bottom surface. Do not spray cleaning solution directly into the sensor opening.
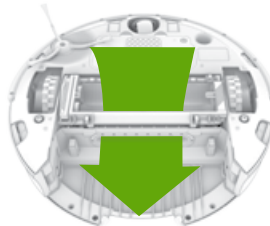
## Cleaning Roomba's Extractors:

**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.



**3** Remove hair and debris from the square and hexagonal plastic pegs on the other side of the extractors. Reinstall the extractor caps.



**4** Clear Roomba's Vacuum Path.



**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.

# Battery and Charging Information

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.

## Lithium Ion Battery

⚠️ **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)

## Battery Charging

To extend battery life, always keep Roomba charged on the Home Base when not in use.

## Problems While Charging

If Roomba encounters an error while charging, its troubleshooting indicator (⚠️) will blink, and you will hear an audible charging error message. Charging errors can sometimes occur with counterfeit batteries. Check to ensure that you are using an authentic iRobot Lithium Ion Battery and consult the **iRobot HOME App** or visit **global.irobot.com** to troubleshoot these issues.

## Battery Storage

If storing Roomba off of the Home Base, remove the battery first. Then store Roomba and the battery in a cool, dry place.

## Battery Disposal

Contact your local waste management authority for battery recycling and disposal regulations in your area.

## Battery Removal

Follow these instructions to remove and reinstall Roomba's battery:

**1** Unscrew the two screws on the battery door, then remove the door and battery.
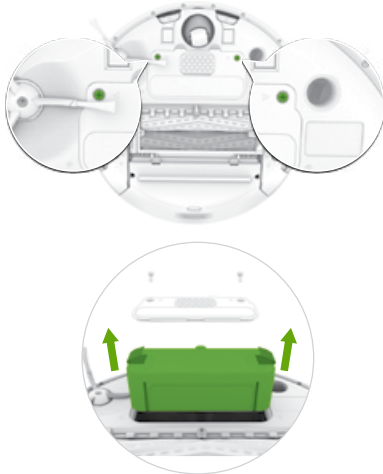
**2** Reinstall the battery with the battery label and tabs facing up.

**3** Reinstall the battery door and the two screws. Take care not to pinch the side brush in the battery door when re-installing the battery.

# iRobot®

# Troubleshooting
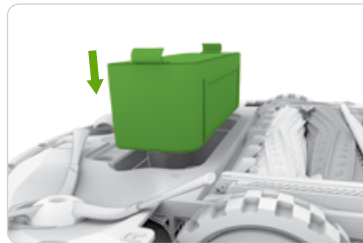
Roomba will tell you something is wrong with a two-tone distress sound followed by a spoken message. The troubleshooting indicator (⚠) will also blink. Refer to the chart on the right to resolve Roomba's problem. This troubleshooting information, along with more detailed support and videos, are available through the iRobot HOME App as well as online. If the problem is not resolved, visit **www.irobot.com/support**.

## Repeating Error Messages

To repeat Roomba's error message, press CLEAN. If Roomba is on, you can also press the bumper to repeat the message.

## 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.

| Roomba Blinks and Says … | Likely Cause | What to Do |
|---|---|---|
| **Error 1.** Left/Right. Place Roomba on a flat surface then press CLEAN to restart. | Roomba is stuck with its left or right wheel hanging down. | Ensure Roomba's wheels are firmly on the floor. If Roomba is on an obstacle or hanging over a drop, start in a new location. Otherwise, clean its side wheels of hair and debris. Push the wheels in and out, and check that they both turn freely. |
| **Error 2.** Clear Roomba's debris extractors, then press CLEAN to restart. | Roomba's main extractors can't turn. | Remove and clean Roomba's extractors and caps. |
| **Error 5.** Left/Right. Clear Roomba's wheel, then press CLEAN to restart. | Roomba's left or right wheel is stuck. | If Roomba is stuck, free it and start in a new location. Clean Roomba's side wheels of hair and debris. Push the wheels in and out, and check that they both turn freely. |
| **Error 6.** Move Roomba to a new location then press CLEAN to restart. | Roomba's cliff sensors are dirty, it is hanging over a drop, or it is stuck on a dark surface. | If Roomba is hanging over a drop, or on a dark surface, start in a new location. Otherwise, wipe its cliff sensors with a dry cloth. |

| Roomba Blinks and Says … | Likely Cause | What to Do |
|---|---|---|
| Error 8. Please open the iRobot App for help. | Roomba's vacuum fan is stuck or its filter is clogged. | Remove and empty Roomba's bin. Clean Roomba's filter. Then, briskly tap the bin to loosen any remaining trapped debris. |
| Error 9. Tap Roomba's bumper, then press CLEAN to restart. | Roomba's bumper is stuck, or the bumper sensor is dirty. | Briskly tap Roomba's bumper several times to dislodge any debris that may be trapped underneath. |
| Error 10. Left/Right. Please open the iRobot App for help. | Roomba's left or right wheel is not moving. | If Roomba is stuck, free it and start in a new location. Clean Roomba's side wheels of hair and debris. Push the wheels in and out, and check that they both turn freely. |
| Error 11. Please open the iRobot App for help. | Roomba has an internal error. | Contact iRobot Customer Care. |
| Error 14. Re-install Roomba's bin, then press CLEAN to restart. | Roomba's bin has a bad connection to the robot. | Remove and reinstall bin to ensure good connection. Wipe the metal bin contacts on both the robot and bin with a clean, dry cloth. |
| Error 15. Press CLEAN to restart. | Roomba has an internal error. | Press CLEAN to start a new mission. If problem persists, contact iRobot Customer Care. |

| Roomba Blinks and Says … | Likely Cause | What to Do |
|---|---|---|
| Error 16. Place Roomba on a flat surface then press CLEAN to restart. | Roomba has started while moving or at an angle, or was bumped while running. | Move Roomba to a flat surface then press CLEAN to restart. Avoid moving the robot when pressing CLEAN or when Roomba is running. |
| Error 17. Please open the iRobot App for help. | Roomba cannot complete its job because its path is blocked. | Ensure there is sufficient light for Roomba to navigate. Excessive clutter could contribute to this error. Ensure Roomba cannot close any doors that may block its path. Wipe the clear window on the robot's top surface with a clean, dry cloth. Turn Roomba over and clean the Floor Tracking Sensor (see page 24). |
| Error 18. Please open the iRobot App for help. | Roomba cannot return to its Home Base or starting position. | Ensure there are no obstacles in front of the Home Base or starting position. Wipe the Charging contacts on both the Home Base and robot with a clean, dry cloth. |

# Declaration of Conformity

This declaration of conformity is issued under the sole responsibility of the manufacturer:

iRobot Corporation
8 Crosby Drive
Bedford, MA 01730, USA

hereby declares that the products:

Vacuum Cleaning Robot with integrated dock/charger and accessories

Product identification:

Roomba 800/900 Series, Models: 8XXY; where XX =00-90, Y = blank, a-z. With external power supply/charger model 17063 or Integrated Dock/charger model 17064, lighthouse and wireless command control (WCC) remote for 800 Series and Virtual Wall for 900 Series.

Are in conformity and verified through testing with the provisions of the following EC directives when installed in accordance with the installation instructions contained in the product documentation. The Technical Construction File (TCF) is maintained at 8 Crosby Drive, Bedford, MA 01730.

**Low Voltage Directive 2014/35/EU:**

EN 60335-1:2012
Household and similar electrical appliances – Safety – Part 1: General requirements

EN 60335-2-2:2010 + A1:2012
Household and similar electrical appliances – Safety – Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliance

EN 60335-2-29:2004 +A1:2004 +A2:2010
(external power supply only)
Household and similar electrical appliances – Safety – Part 2-29: Particular requirements for battery chargers

EN 62233:2008
Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure

**RoHS Directive 2011/65/EU**

EN 62321:2009
Electrotechnical products – Determination of levels of six regulated substances (lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls, polybrominated diphenyl ethers)

## Radio Equipment Directive 2014/53/EU:

For Roomba 800 Series models containing RF module 4123659 and all Roomba 900 Series models.

**ETSI EN 300 328 V1.8.1**

Electromagnetic compatibility and Radio spectrum matters (ERM); Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

**ETSI EN 301 489-1 V1.9.2,**

as modified by ETSI EN 301 489-17 V2.2.1
Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment; Part 17: Specific conditions for Broadband Data Transmission Systems

## EMC Directive 2014/30/EU

**EN 55014-1:2006 + A1:2009 + A2:2011**

Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission

**EN 55014-2:1997 +A2:2008**

Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 2: Immunity – Product family standard

**EN 61000-3-2:2006 + A1:2009 + A2:2009**

Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)

**EN 61000-3-3:2008**

Electromagnetic compatibility (EMC) – Part 3-3: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

# 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** 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

## Outside USA & Canada

Visit **global.irobot.com** to:
- Learn more about iRobot in your country.
- Get hints and tips to improve your Roomba's performance.
- Get answers to questions.
- Contact your local support center.

# iRobot®