

# Welcome!



Dear iRobot® Roomba® Owner,

Thank you for purchasing an iRobot Roomba vacuum cleaning robot. You've joined the millions of people who clean with robots — the smarter way to get it done.

To get the best performance from your Roomba, please take a few moments to read this manual and get acquainted with it. If you have any questions, please visit [www.irobot.com/support](http://www.irobot.com/support) for more information.

I also encourage you to register your Roomba straight away at [global.irobot.com/register](http://global.irobot.com/register).

By registering your robot, you'll instantly activate your warranty and start enjoying these exclusive benefits:

- **Take advantage of iRobot's award-winning customer service:** Get support tailored to your specific robot, including answers to questions, maintenance tips, video demos, live chat and more.
- **Get product updates and other valuable information:** Be among the first to find out about new robots, exclusive discounts and special promotions.

When you register, you can also tell us about your experience with your Roomba; iRobot listens to our customers and makes enhancements to our robots based on your valued feedback. We'd love to hear from you! On behalf of the entire team, thank you for choosing iRobot. We appreciate your business, feedback and loyalty. Here's to robots that make a difference!

Yours for less chores and more life,

A handwritten signature in black ink, appearing to read 'Colin Angle'.

Colin Angle  
Chairman, CEO and Co-Founder  
iRobot Corporation



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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 MAINS VOLTAGE.**

**Notice:** Your robot contains a software interface for the purpose of enabling the manufacturer to provide updates to the internal firmware if any such updates are made available to users. Any attempt to access, retrieve, copy, modify, distribute or otherwise use any of the robot software is strictly prohibited.

Always exercise caution when operating your robot. 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.



**Safety first:** As your Roomba contains electrical parts, don't submerge or spray it with water – clean with a dry cloth only. Before using your product for the first time please refer to the important safety instructions.

# Important Safety Information

**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 government 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. When replacing old appliances with new ones, the retailer is legally obliged to take back your old appliance for disposal at least free of charge.

## 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 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 cables and any fragile objects. If the device passes over a power cable 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.

# Important Safety Information

## **BATTERY AND CHARGING**

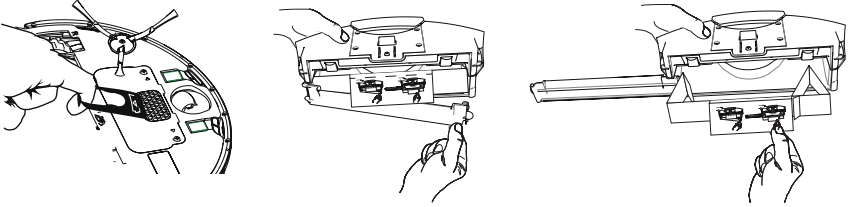
- Charge using a standard plug socket only. Product may not be used with any type of power converter. Use of other power converters will immediately void the warranty.
- Use only the Home Base supplied by the manufacturer to charge this device.
- Do not use a Home Base with a damaged cable or plug. If the cable 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 mains before cleaning or maintaining it.
- Please ensure voltage rating for enclosed Home Base matches standard mains 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 authorised iRobot Service Centre for disposal.
- The battery pack must be removed from the robot before disposal.
- Only use original battery packs with the correct specification and supplied by iRobot.
- 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.

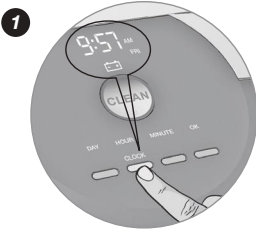
# Getting Started

Before first use, turn Roomba upside down and remove the battery and bin pull tabs.

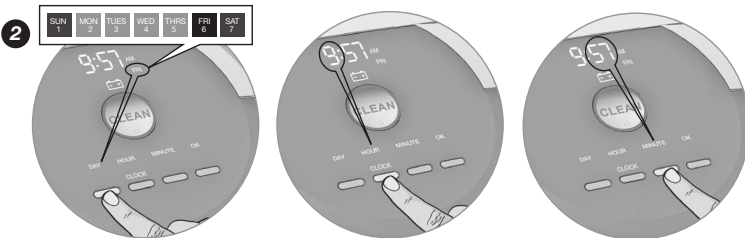


## Setting the Clock

You must set the clock before scheduling Roomba to clean. To set the time:



PRESS CLOCK.



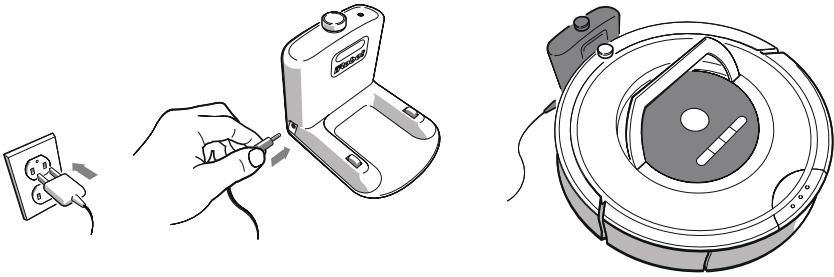
Use the DAY, HOUR and MINUTE buttons individually to set the correct time.



Press OK, Roomba will beep to indicate the time and date has been set.

## Home Base™

Use the Home Base™ to charge the battery overnight before the first use.



At the end of a cleaning cycle or when Roomba's battery is running low, it returns to the Home Base to charge. Roomba needs to find the infra-red signal of the Home Base in order to return.

- Always keep the Home Base plugged in. When the Home Base is plugged in, its power light blinks to indicate the Home Base is connected to the power source.
- If Roomba returns to the Home Base and is unable to dock, it will try again until it docks successfully.
- When Roomba makes a connection and docks successfully, the Home Base power light stops blinking and turns solid green.

### Home Base Location

Position the Home Base on a hard, level surface against a wall. Make sure it's at least 1.2 metres from any stairs and that Roomba has a clear path to reach it.



Do not place the Home Base within 1.2 metres of a staircase.

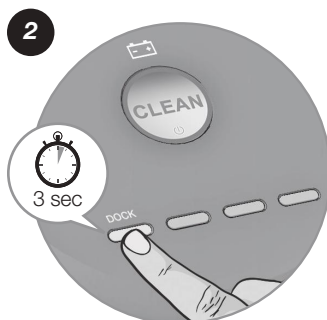
## Setting the Language

Roomba can provide troubleshooting messages in English, French, German, Spanish, Italian, Dutch, Danish, Swedish, Norwegian, Finnish, Polish, Russian, Portuguese, Japanese, Korean and Chinese.

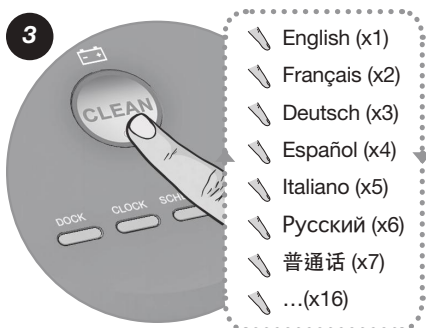
Roomba's default language is English. To change the default language:



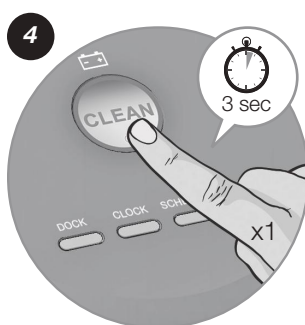
Take Roomba off the Home Base. Turn on Roomba by pressing CLEAN, the lights will turn on.



Press and hold DOCK until Roomba beeps and says the current language. Release DOCK. Roomba is now in Language Selection Mode.



Press CLEAN repeatedly until you hear the language you want.



Press and hold CLEAN to turn off Roomba and confirm your language choice.

# Important Tips

## Turning Roomba on and off

- To turn Roomba on, press CLEAN once. You will hear a beep, and the CLEAN button will light up.
- To start a cleaning cycle, press CLEAN again. Roomba will start a cleaning cycle.
- To pause Roomba, press CLEAN while Roomba is cleaning.
- To resume the cleaning cycle, press CLEAN again.
- To turn Roomba off, press and hold CLEAN until Roomba's lights turn off.

## For Best Performance

- Empty Roomba's bin and clean its filter after every use.
- Use an Auto Virtual Wall or Virtual Wall Lighthouse (optional accessories) to keep Roomba cleaning where you want it.
- Wipe all sensors with a clean, dry, soft cloth every week.
- Use Roomba frequently.

## Battery Life

To extend Roomba's battery life and keep Roomba cleaning at peak performance:

- Always keep Roomba charged when not in use.
- Recharge Roomba as soon as possible following use; waiting several days can damage the battery.
- For storage off of the Home Base, remove the battery from Roomba and store in a cool, dry place.



Roomba contains electronic parts. **DO NOT** submerge Roomba or spray it with water. Clean with a dry cloth only.

## How Roomba® Cleans

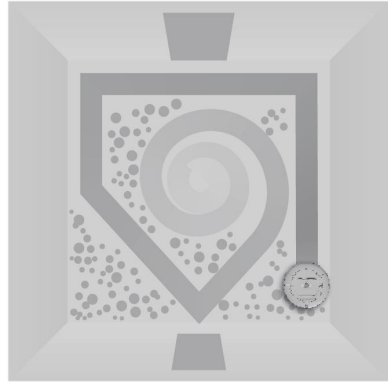
Roomba cleans floors differently than the way most people do, using its robot intelligence to efficiently clean the whole floor, under and around furniture and along walls.

As it cleans, Roomba calculates the optimal cleaning path and determines when to use its various cleaning behaviours:



### **Spiralling**

Roomba uses a spiral motion to clean a concentrated area.



### **Wall Following**

Roomba cleans the full perimeter of the room and navigates around furniture and obstacles.

### **Room Crossing**

Roomba criss-crosses the room to ensure full cleaning coverage.

### **Dirt Detection**

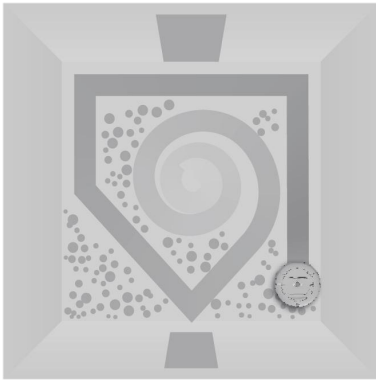
When Roomba senses dirt, the Dirt Detect™ light lights up and Roomba cleans more intensely in that area.



For the most efficient cleaning, clear your floor of clutter and use a Virtual Wall to confine Roomba to one room.

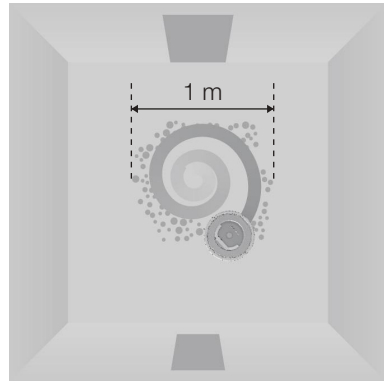
# Cleaning Modes

Roomba cleans based on the cleaning mode you select. Roomba has three cleaning modes:



## Clean Mode

Roomba automatically calculates the room size and adjusts its cleaning time appropriately.



## Spot Mode

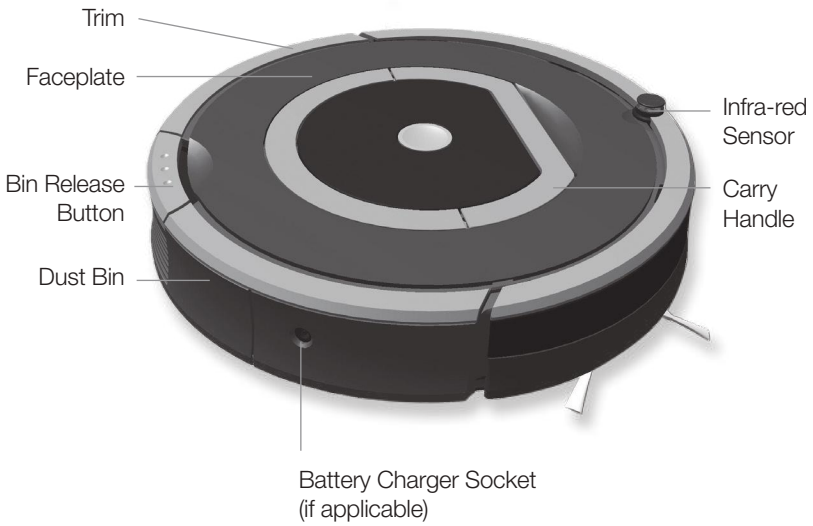
Roomba spirals approximately one meter in diameter and then spirals back to where it started, intensely cleaning a localised area.

## Scheduled Cleaning Mode

When a future cleaning time is programmed, Roomba enters this mode. At the specified time, Roomba leaves its Home Base, cleans and then returns to the Home Base to recharge when it's done.

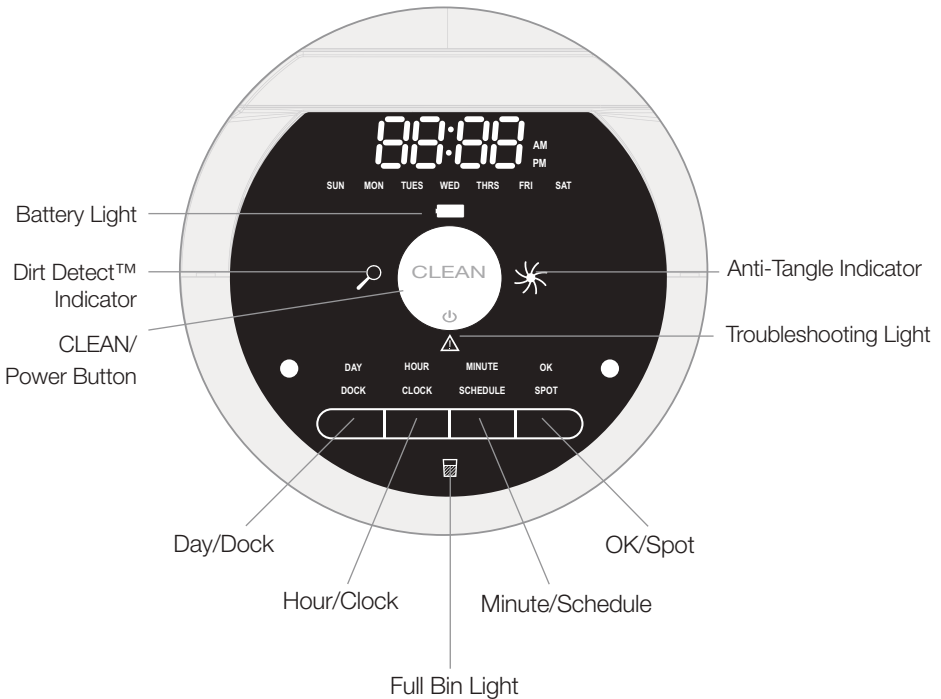
# iRobot® Roomba® Anatomy





## Top View



# iRobot® Roomba® Anatomy

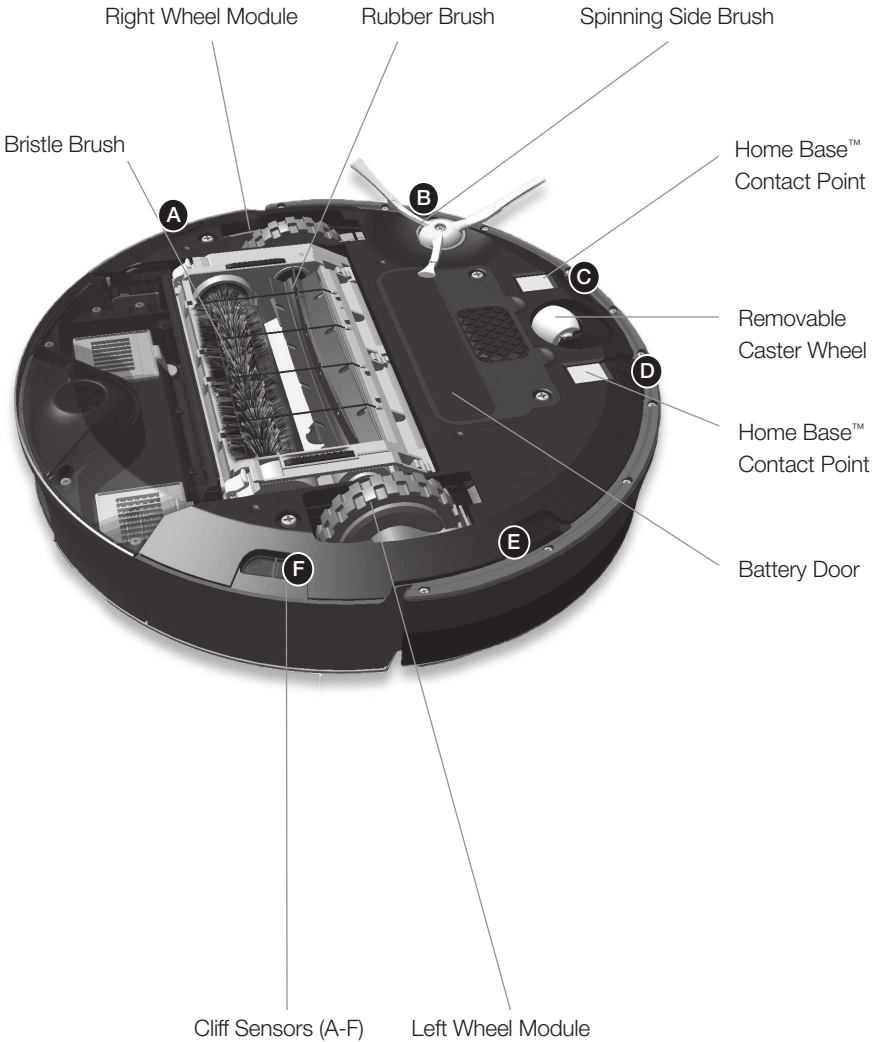
## Buttons & Lights



Icon	What does it mean?
	The Anti-tangle Indicator turns on while Roomba is freeing itself from a tangle.
	The Dirt Detect Indicator flashes when dirt is detected and persistent pass cleaning pattern is initiated.
	The Troubleshooting Light blinks when there is an issue (see pages 27 and 28).
	The Full Bin Indicator (models 770 and above) lets you know when the dust bin is full and needs to be emptied.

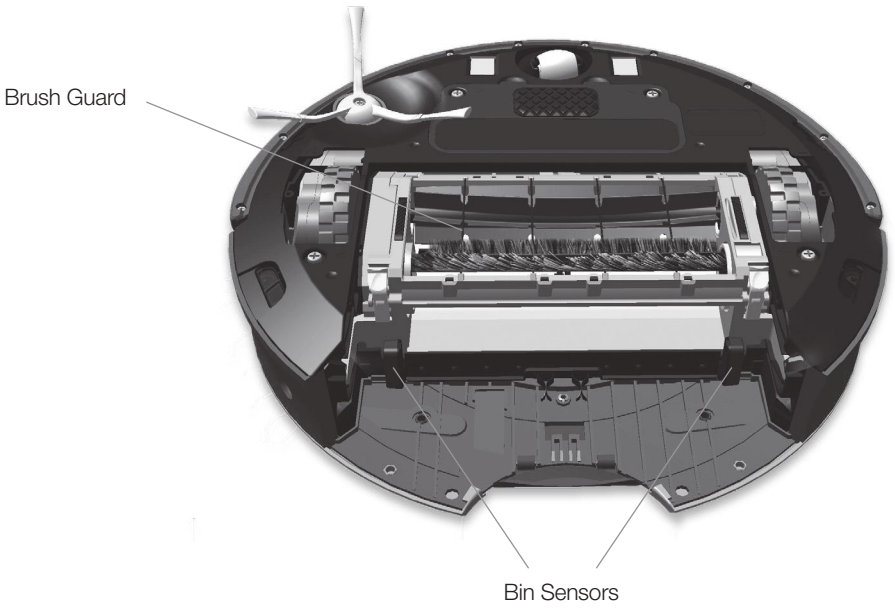
# iRobot® Roomba® Anatomy

## Bottom View

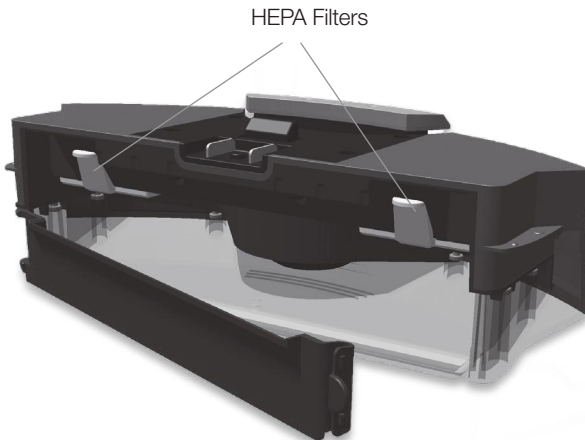


# iRobot® Roomba® Anatomy

## Cleaning Head



## High-Capacity Sealed Bin

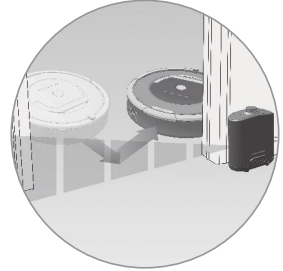


## Auto Virtual Wall®

(optional accessory compatible with all models)

A Virtual Wall® creates an invisible barrier that Roomba won't cross. That makes it easy to confine Roomba to a particular room or area, and prevent it from getting too close to anything delicate or dangerous.

Set a Virtual Wall to block openings of up to approximately two metres. It creates a cone-shaped barrier, so the beam gradually gets wider. The Virtual Wall also creates a halo of protection around itself, preventing Roomba from getting too close.



For best performance, place a Virtual Wall on the outside of the doorway you want to block.



Point the arrows on top of the Virtual Wall across the opening you want to block.

### Auto Virtual Wall

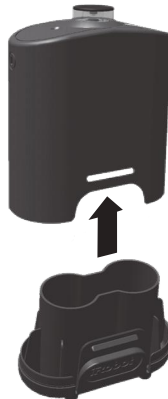
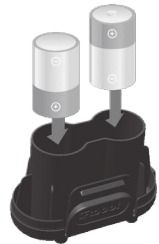
When a Virtual Wall is set to Auto mode, the power light blinks continuously to indicate it is on. When battery levels are low, the Virtual Wall blinks twice repeatedly to indicate it needs new batteries. When in Auto mode, the batteries should last for about six months. To save battery power, turn the Virtual Wall off.



### Battery Installation

**1**

Battery Compartment

**2****3**

Two C Alkaline Batteries

## Virtual Wall® Lighthouse™

(optional accessory for some models)

A Virtual Wall® Lighthouse™ can be used in two ways.

- **In Lighthouse mode**, it allows Roomba to efficiently clean multiple rooms before returning to the Home Base.
- **In Virtual Wall mode**, it blocks off areas you don't want cleaned.

Simply use the Mode Selector to make your choice. Either way, the Lighthouse turns on and off automatically as you turn Roomba on and off. When on, the light on top is lit.

Each Lighthouse runs on two C alkaline batteries. A flashing power light means the batteries need replacing soon.

### How to use the Lighthouse mode

Simply place a Lighthouse in the doorway with the logo facing forward. When Roomba has completed the first room, the Lighthouse will help it navigate around your home, allowing it to clean room-to-room. When Roomba has completed cleaning, the Lighthouse will direct it back to its Home Base for recharging.

You can use Lighthouse devices and Virtual Wall barriers at the same time. However, please avoid placing them too close to each other, to the Home Base or to furniture that could block the invisible beams. Otherwise, Roomba might not recognise the Lighthouses or be able to return to its Home Base.

### How to use the Virtual Wall mode

In Virtual Wall mode, the Lighthouse creates an invisible barrier that Roomba won't cross. It automatically turns off when Roomba is turned off.

Simply place the Lighthouse in the centre of the doorframe. Unlike a Virtual Wall, a Lighthouse features a range selector that lets you adjust the length of the barrier — up to 2.4 metres. Please note: setting a longer range will drain the battery faster.



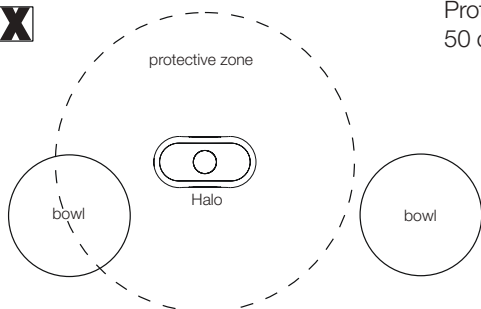
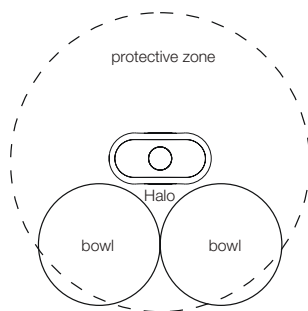
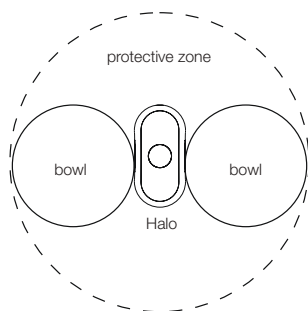
## Virtual Wall® Halo

(optional accessory compatible with all models)

The Virtual Wall® Halo makes Roomba perfect for homes with pets. By setting up a protective zone around the Virtual Wall, the Halo prevents Roomba from bumping into and disturbing your pet's food and water bowls.

Follow these steps to set up the Virtual Wall Halo:

1. Once you have installed batteries in the Virtual Wall, insert it all the way into the Halo. The circular lens of the Virtual Wall should be completely visible at the top.
2. Place the Halo on the floor, level with Roomba and close to the bowls (as shown below).
3. If you have one bowl, place it beside the Halo, almost touching the wall. If you have two bowls, place one on either side of the Halo.



Protective zone approximately  
50 centimetres in diameter



The Virtual Wall Halo works on non-metal bowls less than 25 centimetres in diameter and up to 8.9 centimetres tall.



As the Virtual Wall's battery levels get low, the field may not be strong enough to protect your bowl(s). If that happens, change the batteries.

# Cleaning Schedules

## Viewing Schedules

To view Roomba's scheduled cleaning times:

1. Press SCHEDULE.
2. Press DAY to cycle through the scheduled cleaning times.
3. Press OK.

## Deleting a Schedule

To delete a scheduled cleaning time:

1. Press SCHEDULE.
2. Press DAY to cycle through the scheduled cleaning times.
3. When Roomba displays the scheduled cleaning time you'd like to delete, press and hold DAY for five seconds. Roomba will beep to indicate the cleaning time has been deleted.
4. Press OK.

## Changing the Schedule

To change the cleaning schedule:

1. Press SCHEDULE.
2. Press DAY to cycle through the scheduled cleaning times.
3. When Roomba displays the scheduled cleaning time you'd like to change, press HOUR and/or MINUTE to make the change.
4. Press OK, Roomba will beep to indicate the schedule has been set.



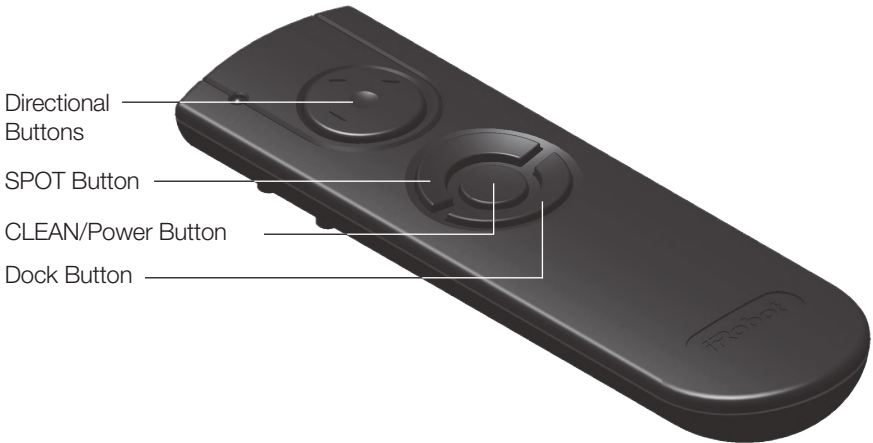
Roomba's clock can be viewed in either the 12-hour (AM/PM) format or the 24-hour format. To toggle between the two views, press and hold CLOCK for 5 seconds. Toggle between 12-hour and 24-hour format using the CLOCK button. Press OK to save. Roomba beeps and the clock briefly illuminates to indicate the clock format has been switched.

Roomba's clock will switch back to the default 12-hour (AM/PM) format when the battery is disconnected or very low on power.

# Remote Control

(optional accessory for all models)

The Remote Control lets you conveniently control Roomba's functions. You can use it to turn Roomba on and off and steer it around your room without bending down. It also gives you remote access to these commands:



Before using your remote for the first time, install 2 AA batteries.

SPOT	Roomba spirals approximately 1 metre in diameter and then spirals back to where it started, intensely cleaning a local area.
CLEAN	Roomba automatically calculates the room size and adjusts its cleaning time appropriately.
Dock	Roomba attempts to dock on the Home Base, if present.



Make sure there is a direct line of sight from the remote control to Roomba and that the remote is pointed at Roomba.



The remote control, Virtual Wall, Lighthouse and Home Base operate using an invisible infra-red beam. If they are all used in the same area, Roomba may see multiple infra-red signals and will not operate. The remote **WILL NOT** work when Roomba is near a Virtual Wall.

## Wireless Command Centre

(optional accessory for the 780, 785, 790 models)

The Wireless Command Centre lets you control all Roomba functions from up to 7.6 metres away. Use the Wireless Command Centre to turn Roomba on and off, schedule up to seven cleaning times a week and steer Roomba around the room.

To schedule Roomba to clean, use the buttons on the Wireless Command Centre as if they were on the robot itself. See page 8 for details on setting Roomba's clock. See page 21 for viewing, changing and deleting the cleaning schedule.

Before using your Wireless Command Centre for the first time, install 4 AA batteries.

If you purchase a Wireless Command Centre, visit [www.irobot.com/support](http://www.irobot.com/support) for details on setting up the Wireless Command Centre with Roomba.



# Battery Storage and Charging



For best performance, charge Roomba's battery overnight before using Roomba for the first time.

Roomba is powered by a rechargeable battery. Roomba's battery can last for hundreds of cleaning cycles if cared for properly.

## Battery Life

iRobot recommends always keeping Roomba charged to extend the battery life. For more details on how to maintain Roomba's battery life, visit [www.irobot.com/support](http://www.irobot.com/support).



Recharge Roomba as soon as possible following use; waiting several days can damage the battery.



For storage away from the Home Base, remove the charged battery from Roomba and store in a cool, dry place.

## Cleaning Time

You should fully charge Roomba's battery before each cleaning cycle. When fully charged, the Battery light will be green and Roomba's battery will last for at least one full clean cycle.

## 16-Hour Refresh Charge

If Roomba has been left off the Home Base for an extended period, it will initiate a special 16-hour charge cycle. This extensive charge refreshes Roomba's battery and extends battery life. While charging, Roomba's CLEAN button pulses quickly.

Note: For best results, do not interrupt the refresh charge.

## Charging Roomba

To charge Roomba, connect the line cable to the Home Base and then dock your robot.



When Roomba is on the Home Base, always make sure that the Home Base power light is on.

## Charging Lights

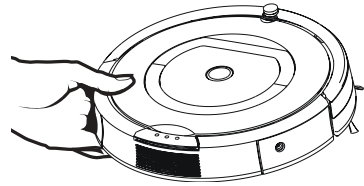
Roomba uses the battery icon light to indicate it is charging. Use this chart to determine the status of the battery.

BATTERY ICON	BATTERY STATUS
Solid red	Battery empty
Amber pulse	Charging
Solid green	Fully charged
Quick amber pulse	16-hour refresh charge

# Maintenance

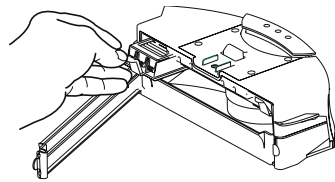
## Emptying the bin

You should do this after each use. Ensure the proper insertion of the bin each time as Roomba will not run without it.



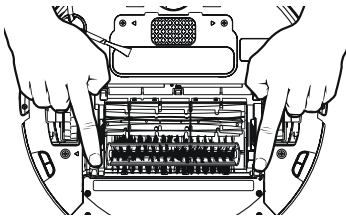
## Cleaning the two filters

Regular cleaning is important and you should replace the filters after two months of regular use.

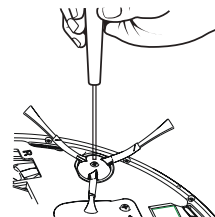
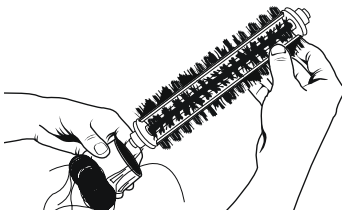


## Cleaning the brushes and associated parts

1. Remove brush guard by lifting both yellow tabs.
2. Remove and clean the two brushes and brush bearings.



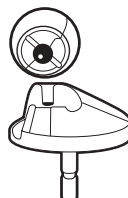
3. Use the included cleaning tool to remove hair easily from the bristle brush by pulling it over the brush.
4. To clean the side brush, use a small Phillips screwdriver to remove the screw from the centre. Remove the brush, clean, reinstall.



# Maintenance (continued)

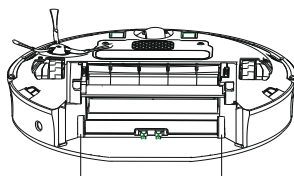
## Cleaning the front wheel

1. Pull firmly on the front wheel to remove it.
2. Remove any debris from inside the wheel cavity.
3. Remove the wheel from its housing and wipe clean. Pull firmly to remove the axle and clear any hair wrapped around it.



## Cleaning the bin sensors (Roomba 770 and above only)

Remove the bin and wipe the two optical bin sensors with a clean, dry cloth.

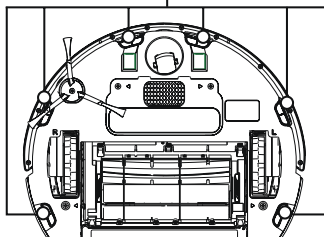


Bin sensors

## Cleaning the cliff sensors

1. Simply wipe all six cliff sensor openings with a clean, dry cloth.

Cliff sensor openings



## Troubleshooting

Occasionally, something can go wrong. But don't worry - there's an early warning system.

Roomba will tell you what the problem is. The troubleshooting light will also blink. To repeat an error message, just press CLEAN.



A little maintenance goes a long way. To keep your Roomba working perfectly, it's a good idea to do a little maintenance regularly. In particular, please note the following:

- Look for the yellow parts – these are designed to be removed and cleaned.
- You should empty the bin and clean the brushes after each use, if possible.
- Excessive hair build-up could permanently damage your Roomba or your floor, so clean the brush bearings and brush caps regularly.

## Problems While Cleaning

<b>Your Roomba blinks and says...</b>	<b>Likely cause</b>	<b>What to do</b>
<b>Error 1.</b> Move Roomba to a new location, then press CLEAN to restart.	Roomba is stuck with a wheel hanging down.	Ensure Roomba's wheels are firmly on the floor. If Roomba is stuck, start in a new location. If Roomba is not stuck, clean its side wheels of hair and debris. Push the wheels in and out, and check that they both turn freely.
<b>Error 2.</b> Open Roomba's brush cage and clean brushes.	Roomba's main brushes can't turn.	Remove and clean Roomba's brushes.
<b>Error 5.</b> Spin Roomba's side wheels to clean.	Roomba's side wheel is stuck.	Clean Roomba's side wheels. Push them in and out and check that they both turn freely. Start in a new location.
<b>Error 6.</b> Move Roomba to a new location then press CLEAN to restart.	Roomba's cliff sensors are dirty or your Roomba is hanging over a drop.	Wipe Roomba's cliff sensors with a dry cloth. Start in a new location.
<b>Error 7.</b> Spin Roomba's side wheels to clean.	Roomba's side wheel is stuck.	Clean Roomba's side wheels of hair and debris. Push them in and out and check that they both turn freely. Start in a new location.
<b>Error 9.</b> Tap Roomba's bumper to clean.	Roomba's bumper is compressed or the bumper sensor is dirty.	Briskly tap Roomba's bumper several times to dislodge any debris that may be trapped underneath.
<b>Error 10.</b> Spin Roomba's side wheels to clean.	Roomba's side wheel is stuck or its bumper isn't detecting obstacles.	If your Roomba is circling in one place, clean side wheels. Push them in and out and check that they both turn. If it's not circling in one place, Roomba may be in a very large room. Use a Virtual Wall to create a smaller cleaning area.
<b>Please charge Roomba.</b>	Roomba's battery is dead.	Plug Roomba into the charger or place it on the Home Base to charge.

## Problems While Charging

Your Roomba blinks...	Your Roomba displays...	Your Roomba says...	Likely cause...	What to do
<b>1 blink</b>	-	Charging error 1	Roomba's battery isn't connected.	Check that you have removed the pull-tab from the battery. Remove the battery cover of Roomba to remove & reinstall battery.
<b>2 blinks</b>	<b>Err 2</b>	Charging error 2	Roomba has a charging error.	Let Roomba cool down for at least an hour & try charging again.
<b>3 blinks</b>	<b>Err 3</b>	Charging error 3	Roomba has a charging error.	Reset Roomba's software and try charging again.
<b>5 blinks</b>	<b>Err 5</b>	Charging error 5	Roomba has a charging error.	Reset Roomba's software (below) and try charging again.
<b>6 blinks</b>	<b>Err 6</b>	Charging error 6	Roomba has a charging error.	Let Roomba cool down for at least an hour & try charging again.
<b>7 blinks</b>	<b>Err 7</b>	Charging error 7	Roomba's battery isn't cooling.	Let Roomba cool down for at least an hour & try charging again.

## How to Reset the Software

Hold down CLEAN for ten seconds. This will clear the clock and may disrupt successful docking for the first few charge cycles.

# Frequently Asked Questions

## **Why does Roomba's side brush occasionally spin backwards?**

When caught on items such as carpet tassels or wires, the side brush may spin slowly or even backwards to free itself. This may also occur on thick carpets. If it does this at other times, you should clean the brush.

## **Why does Roomba occasionally make a thumping sound?**

When Roomba's brushes encounter items such as carpet tassels or wires, the brushes will briefly reverse direction to get free. This makes a thumping sound. If you hear a thumping sound at any other time, you should clean the main brushes.

## **Why doesn't Roomba slow down as it approaches certain obstacles?**

Your Roomba usually identifies obstacles quickly, allowing it to slow down and gently touch the obstacle with its bumper before changing direction. However, it may be less effective at sensing extremely dark surfaces, or objects under 5 centimetres wide.

# Declaration of Conformity

iRobot® Roomba® Vacuum Cleaning Robot and Accessories

Manufacturer: iRobot Corporation, 8 Crosby Drive, Bedford, MA 01730, USA

Declares that Roomba along with Model 17062, 17063, and 17064 Battery Chargers and the Home Base, conform to the requirements of:

Low Voltage Directive 73/23/EEC as amended by 93/68/EEC and EMC Directive 89/336/EEC as amended by 92/31/EEC.

It is further declared that the Roomba and Roomba SE Robotic Vacuum Cleaner and Accessories conform to the following harmonised European standards:

Year of CE Marking: 2004

EN 60335-1:2002 + A11:2004

Household and Similar Electrical Appliances - Safety Part 1 - General Requirements

EN 60335-2-2:2003

Household and Similar Electrical Appliances - Safety Part 2 - Particular Requirements for Vacuum Cleaners and Water-Suction Cleaning Appliances

EN 60335-2-29:2002

Household and Similar Electrical Appliances - Part 2-29 - Particular Requirements for Battery Chargers

EN 55014-1:2000 + A1:2001 + A2:2002

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

EN 55014-1:1997 + A2:2002

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

Low Voltage tests and EMC tests have been conducted by:  
TUV Rheinland of North America

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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