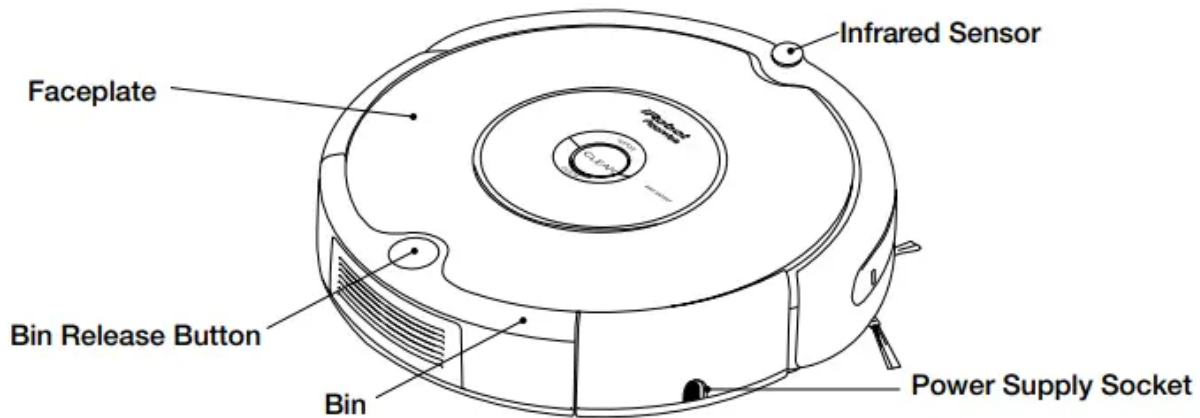


iRobot Roomba Anatomy



Cleaning Pattern

- Roomba is a robot that cleans floors differently than the way most people clean their floors. Roomba uses its robot intelligence to efficiently clean the whole floor, under and around furniture and along walls.
- Roomba calculates the optimal cleaning path as it cleans and determines when to use its various cleaning behaviors:

Spiraling:

- Roomba uses a spiral motion to clean a concentrated area.

Wall Following:

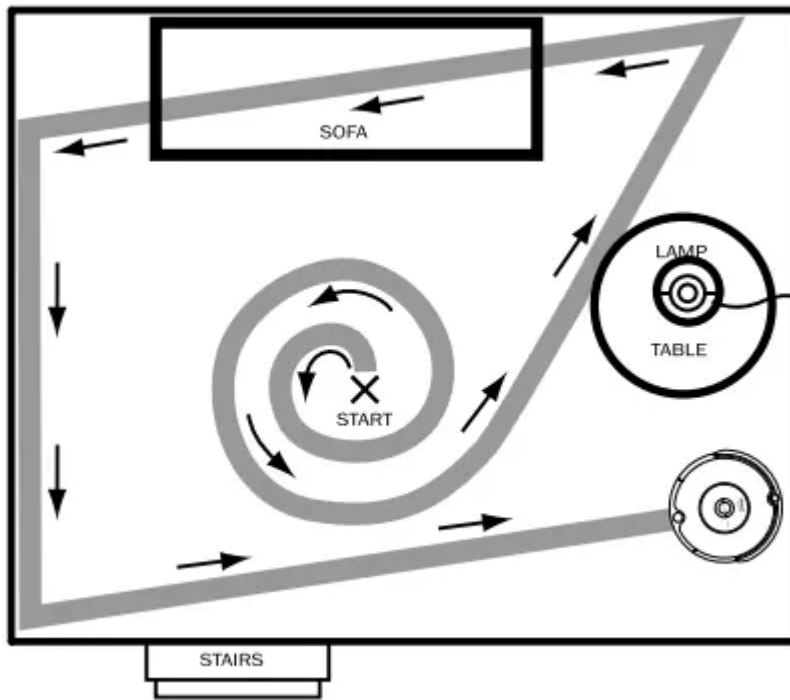
- Roomba uses this technique to clean the full perimeter of the room and navigate around furniture and obstacles.

Room Crossing:

- Roomba crisscrosses the room to ensure full cleaning coverage.

Dirt Detection:

- When Roomba senses dirt, the blue Dirt Detect™ light is lit and Roomba cleans more intensely in that area.



Cleaning Modes

- Roomba will clean based on the cleaning mode you select. Roomba has three cleaning modes.

Clean Mode (all models)

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

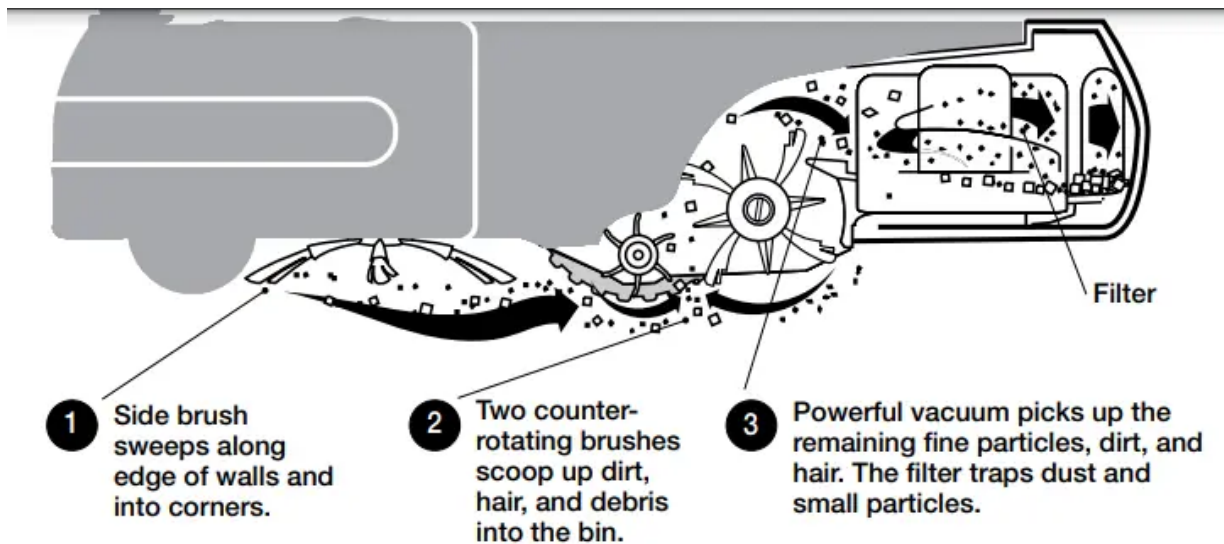
Spot Mode (all models)

- Roomba will spiral approximately three feet in diameter and then spiral back to where it started, intensely cleaning a localized area.

Scheduled Cleaning Mode (Models 650 and above)

- When a future cleaning time is programmed, Roomba enters Scheduled
- Cleaning Mode. When scheduled to clean, Roomba will occasionally flash its next cleaning time to remind you of its schedule. At the specified time,
- Roomba leaves its Home Base, cleans, and then returns to the Home
- Base to recharge when it's done.

Cleaning System



Floor Surfaces

1. Roomba works on wood, carpet, tile, vinyl, and linoleum, and adjusts automatically to different floor types.
2. Roomba automatically senses stairs and other cliffs. Roomba might stall when confronting rounded edges and might slide over particularly slippery surfaces. Extremely dark-colored floors may contribute to
3. Roomba's cliff sensors working less effectively.

Anti-Tangle system

- Roomba won't get stuck on cords, carpet fringe or tassels.
- When Roomba senses it has picked up a cord or tassel, it will automatically stop its main brushes or side brush and try to escape. Roomba may make a clicking noise when anti-tangle is activated.

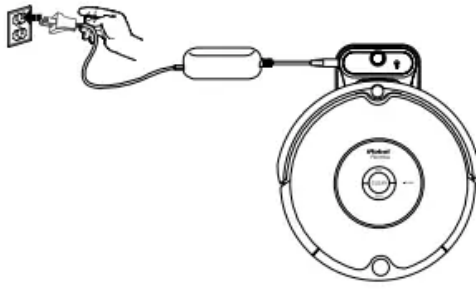
Cleaning Time

- You should fully charge Roomba's battery before each cleaning cycle.
- When fully charged, Roomba's battery will last for at least one full clean cycle.

Hour Refresh Charge

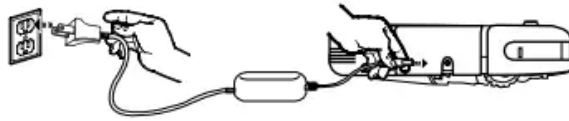
1. If Roomba has been left off the power supply or Home Base for an extended period, Roomba will initiate a special 16-hour charge cycle.
2. This extensive charge refreshes Roomba's battery and extends the battery life. While charging, Roomba's "Clean" button will pulse quickly. Note: For best results, do not interrupt this Refresh Charge.

Charging Roomba



Using the Home Base

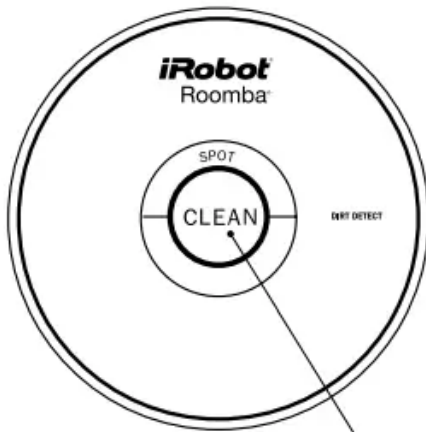
Or



Using the Power Supply Only

Charging Lights

- Roomba uses the CLEAN button light to indicate that it is charging. Use this chart to determine the status of the battery.



CLEAN/Power Button

CLEAN button light	Battery status
Solid red	Battery empty
Amber pulse	Charging
Solid green	Fully charged
Quick amber pulse	16-hour refresh charge

Virtual Wall®

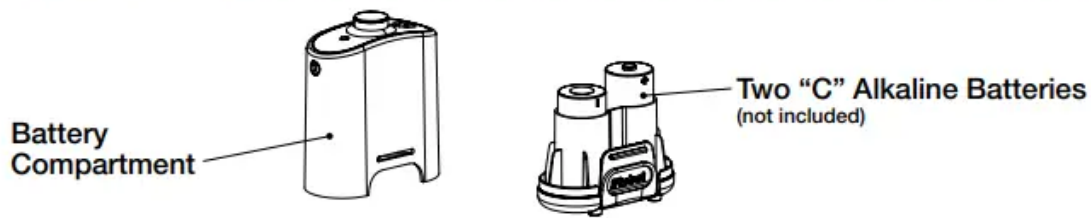
Manual Virtual Wall

- A Manual Virtual Wall must be turned on by hand at the beginning of the cleaning cycle to activate the barrier. A Manual Virtual Wall (and its power light) will shut off after 135 minutes.
- When battery levels are low, the Virtual Wall power light will blink slowly to indicate that it needs new batteries.

Auto Virtual Wall

1. When an Auto Virtual Wall is set to "Auto" mode, the power light blinks repeatedly to indicate it is on. When battery levels are low, the

2. Virtual Wall blinks repeatedly twice to indicate that it needs new batteries. To save battery power, switch the Auto Virtual Wall to “Off”.
3. When in “Auto” mode, the batteries should last approximately six months.



Virtual Wall® Halo (optional accessory for all models)

1. The Virtual Wall Halo is perfect for homes with pets. It sets up a protective zone, gently guiding Roomba around your pet's food and water bowls to keep the contents intact. To set up the Halo, take the Virtual Wall out of the sleeve.
2. Install batteries as shown on the previous page. Set the Virtual Wall to “Auto” mode and fully insert it into the sleeve.
3. Make sure the Virtual Wall is inserted all the way into the sleeve. The circular lens should be completely visible at the top.
4. Place the Virtual Wall Halo on the floor, level with Roomba, and in close proximity to the bowls as shown below. If you have one bowl, put it beside the Halo, almost touching the wall. For two bowls, place one on either side.

Home Base®

- Roomba returns to the Home Base at the end of a cleaning cycle or when its battery is running low. Roomba needs to find the infrared signal of the
- Home Base in order to return.
- Always keep the Home Base plugged in. When the Home Base is plugged in, the power light will blink to indicate that the Home Base is connected to the power source. When Roomba connects to the Home Base, the power light will be solid to indicate that Roomba has successfully connected to the Home Base. When Roomba is charging, Roomba's
- “Clean” button will pulse amber as described in the “Battery Storage and
- Charging” section of this manual. The “Clean” button will be a solid green when Roomba is completely charged.

Home Base Location

1. You should position the Home Base on a hard level surface and in an area where Roomba has a clear path to return at the end of a cleaning cycle.

2. Locate the Home Base against a wall or other immovable object to prevent it from sliding during docking. If Roomba is unable to dock on its first attempt, it will try again until it docks successfully.

Scheduling Roomba

Setting the Time

1. You must set the time before scheduling Roomba to clean.
2. Press and hold CLOCK.
3. While holding CLOCK, use the DAY, HOUR, and MINUTE buttons to set the correct time.
4. Release CLOCK. Roomba will beep to indicate that the time has been set.
5. Setting a Schedule
6. You can schedule Roomba to clean once per day, up to seven times per week. You must set the time before setting a schedule.

To set a schedule:

- Press and hold SCHEDULE.
- While holding SCHEDULE, use the DAY, HOUR, and MINUTE buttons to set the schedule.
- Release SCHEDULE. Roomba will beep to indicate that the schedule has been set.
- Viewing and Deleting Schedules

To view Roomba's scheduled cleaning times:

- Press and hold SCHEDULE.
- While holding SCHEDULE, press the DAY button to cycle through Roomba's scheduled cleaning times.
- Release SCHEDULE.

To Delete a Schedule

1. Press and hold SCHEDULE.
2. While holding SCHEDULE, press the DAY button to cycle through Roomba's scheduled cleaning times.
3. When Roomba is displaying the scheduled cleaning time you'd like to delete, press and hold DAY to delete the scheduled cleaning time.
4. Release SCHEDULE.

To Change a Schedule

1. Press and hold SCHEDULE.

2. While holding SCHEDULE, press the DAY button to cycle through Roomba's scheduled cleaning times.
3. When Roomba is displaying the scheduled cleaning time you'd like to change, press the
4. HOUR and MINUTE buttons to change the scheduled cleaning time.
5. Release SCHEDULE. Roomba will beep to confirm that the schedule has been changed.

TIP:

- 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 the
- DAY and MINUTE buttons simultaneously for 3 seconds until Roomba beeps and the clock briefly illuminates, indicating the clock format has been switched.
- Roomba's clock will switch back to the default 12-hour AM/PM) format when Roomba's battery is disconnected or significantly discharged.

Regular Maintenance

- To keep Roomba running at peak performance, it is recommended that you perform the following maintenance regularly:

Tip:

- Bin emptying and brush cleaning should be done after every cleaning cycle.
- Regularly pull out and clean Roomba's front wheel.

Tip:

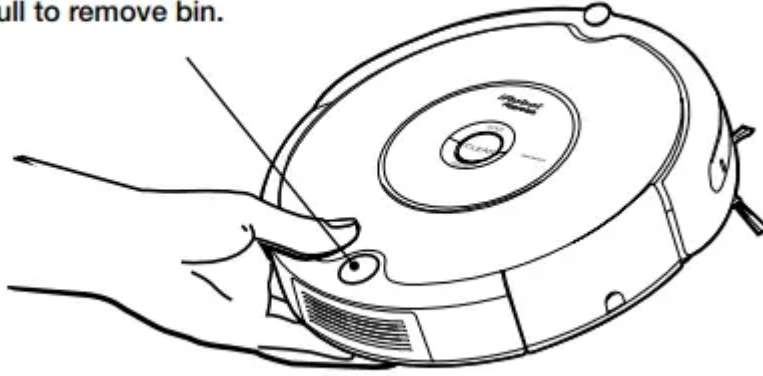
- If you notice Roomba picking up less debris from your floor, empty the bin and clean the brushes.

Empty bin

- Push down and remove to clean filter*
- Roomba running at peak performance.
- Replace filter every 2 months
- Remove and empty Roomba's bin after each use

Clean Roomba's filter

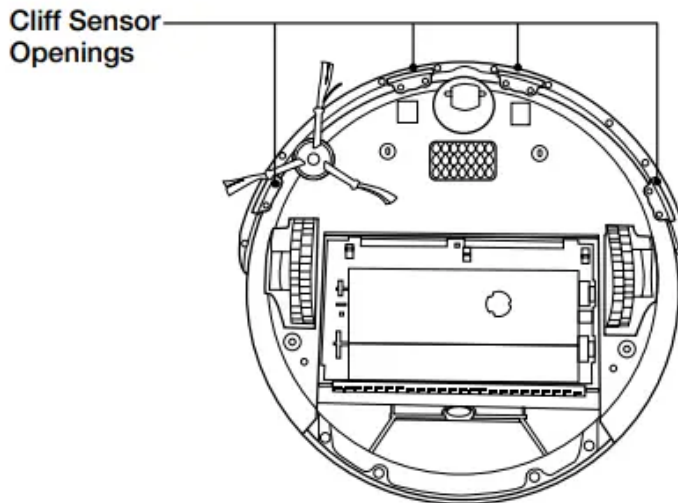
Press button and pull to remove bin.



Clean Roomba's front wheel

1. Pull firmly on Roomba's front wheel to remove it from the robot.
2. Remove debris from inside the front wheel cavity.
3. Remove the front wheel from its housing and clear any hair wrapped around the axle. Push firmly on the wheel axle to remove it completely from the wheel.
4. Wipe the wheel clean.
5. Re-install the wheel into the housing, and the module into the robot.

Clean Roomba's cliff sensors



Language Selection Mode

Setting the Language

- Turn OFF Roomba. (Press and hold
- CLEAN until Roomba's lights turn off.)
- Press and hold CLEAN until Roomba beeps and says the currently selected language.

- Release CLEAN. Roomba is now in Language
- Selection Mode.
- Press CLEAN repeatedly until you hear the desired language.
- Press and hold CLEAN to turn OFF Roomba and confirm the language choice.

Troubleshooting

1 blink (every 2 seconds)

- Error 1. Move Roomba to a new location then press CLEAN to restart.
- Error 2. Open Roomba's brush cage and clean brushes.
- Error 5. Spin Roomba's side wheels to clean.
- Error 6. Move Roomba to a new location then p
- Error 7. Spin Roomba's side wheels to clean.
- Error 9. Tap Roomba's bumper to clean.
- Error 10. Spin Roomba's side wheels to clean.
- Please charge Roomba.
 - Roomba is stuck with a wheel hanging down.
 - Roomba's main brushes cannot turn.
 - Roomba's side wheel is stuck.
 - Roomba's cliff sensors are dirty or Roomba is stuck hanging over a cliff.
 - Roomba's side wheel is stuck
 - Roomba's bumper is compressed or the bumper sensor is dirty
 - Roomba's side wheel is stuck or its bumper is not registering obstacles.
 - Roomba's battery is discharged.
 - Ensure Roomba's wheels are firmly on the floor. Start Roomba in a new location.
 - Remove and clean Roomba's brushes. See page 19.
 - Clean hair and debris from Roomba's side wheels. Push them in and out and confirm that they both turn freely. Start Roomba in a new location
 - Wipe Roomba's cliff sensors with a dry cloth. See page 20. Start Roomba in a new location.
 - Clean Roomba's side wheels of hair and debris. Push them in and out and confirm that they both turn freely. Start Roomba in a new location.

- Briskly tap Roomba's bumper 10-20 times to dislodge any debris that may be trapped under the bumper.
- If Roomba is circling in place, clean Roomba's side wheels of hair and debris. Push them in and out and confirm that they both turn. If not circling in place, Roomba may be in an extremely large room. Use a Virtual Wall to create a smaller cleaning area.
- Plug Roomba into the power supply (or place Roomba on the Home Base) to charge. See page 11

1 blink

- Roomba's battery is not connected.
 - Confirm that Roomba's battery pull-tab is removed. Remove the bottom cover of Roomba to remove and re-install Roomba's battery. See page 27.

2 blinks

- Roomba has a charging error.
 - Let Roomba cool down for at least one hour and try charging again.

3 blinks

- Roomba has a charging error.
 - Reset Roomba's software (refer to tip below) and try charging again.

5 blinks

- Roomba has a charging error
 - Reset Roomba's software (refer to tip below) and try charging again.

6 blink

- Roomba's battery is too warm.
 - Let Roomba cool down for at least one hour and try charging again

7 blinks

- Roomba's battery is not cooling.
 - Let Roomba cool down for at least one hour and try charging again.

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

