

Shark **POWERDETECT™**

with **SELF-EMPTY BASE**

Robot Vacuum

RV2820AE

OWNER'S GUIDE



IMPORTANT SAFETY INSTRUCTIONS

PLEASE READ CAREFULLY BEFORE USE • FOR HOUSEHOLD USE ONLY

If the charging cable plug does not fit fully into the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. DO NOT force into outlet or try to modify to fit.

⚠ WARNING

To reduce the risk of fire, electric shock, injury, or property damage:

LASER WARNING

THIS PRODUCT HAS A CLASS 1 LASER. IT IS SAFE UNDER REASONABLY FORESEEABLE CONDITIONS (AS DEFINED IN THESE INSTRUCTIONS.) ALWAYS TURN OFF THE POWER BEFORE LIFTING THE ROBOTIC VACUUM CLEANER OR PERFORMING ANY MAINTENANCE ON IT. DO NOT LOOK DIRECTLY INTO LASER.

GENERAL WARNINGS

1. For best performance and coverage, remove cords from areas that need to be cleaned.
2. Do not operate the robotic vacuum cleaner in a room where an infant or child is sleeping.
3. Do not operate the robotic vacuum cleaner in an area where there are lit candles or fragile objects on the floor to be cleaned.
4. Do not operate the robotic vacuum cleaner in a room that has lit candles on furniture that the robotic vacuum cleaner may accidentally hit or bump into.
5. Do not allow children to sit on the robotic vacuum cleaner.
6. Do not use the robot on a wet surface, unless it is a WD model mopping robot.

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

7. The robotic vacuum cleaner system consists of a robotic vacuum and a Self-Empty Base with a power supply. These components contain electrical connections, electrical wiring, and moving parts that potentially present risk to the user.
8. Before each use, carefully inspect all parts for any damage. If a part is damaged, discontinue use.
9. Use only identical replacement parts.
10. This robotic vacuum cleaner contains no serviceable parts.
11. Use only as described in this Owner's Guide. **DO NOT** use the robotic vacuum cleaner for any purpose other than those described in this Owner's Guide.
12. With the exception of filters, **DO NOT** expose any parts of the robotic vacuum cleaner to water or other liquids.

13.  **DO NOT put hands into any opening in the Self-Empty Base or robot.**

USE WARNINGS

14. This appliance can be used by children ages 8 years and older and persons with reduced physical, 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.
15. Children shall not play with the appliance.
16. For your robot's cliff sensors to work properly, all runners, rugs, or carpets must be eight inches from any stairs (or must be continuous and extend over the edge of the stairs). If a runner, rug, or carpet edge that is less than eight inches from the stairs cannot be moved, you must use a digital no-go zone to block off the stairs. For non-app users, use a boundary to block off an unsafe boundary.
17. To minimize the risk of the robotic vacuum cleaner traveling beyond an unsafe boundary (stair/cliff edges, fireplaces, water hazards), establish these areas as no-go zones using the mapping feature in the SharkClean® mobile app. Upon setting the boundary, run the vacuum and visually confirm that the settings effectively prevent it from passing beyond the set boundary. Adjust settings as necessary.
18. This product has a Class 1 Laser. It is safe under reasonably foreseeable conditions (as defined in this Owner's Guide). Always turn off the power before lifting the robotic vacuum cleaner or performing any maintenance on it.
19. **DO NOT** look directly into laser.
20. Always turn off the robotic vacuum cleaner before inserting or removing the filter or dust bin.
21. **DO NOT** handle plug, Self-Empty Base, charging cable, or robotic vacuum cleaner with wet hands. Cleaning and user maintenance shall not be made by children without supervision.
22. **DO NOT** use without robot dust bin and filters in place.

23. **DO NOT** damage the cord:
 - a) **DO NOT** pull or carry Self-Empty Base by the cord or use the cord as a handle.
 - b) **DO NOT** unplug by pulling on cord. Grasp the plug, not the cord.
 - c) **DO NOT** close a door on the cord, pull the cord around sharp corners, or leave the cord near heated surfaces.
24. **DO NOT** put any objects into nozzle or accessory openings. **DO NOT** use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce airflow.
25. **DO NOT** use robotic vacuum cleaner if airflow is restricted. If the air paths become blocked, turn the vacuum cleaner off and remove all obstructions before turning on the unit again.
26. Keep nozzle and all vacuum openings away from hair, face, fingers, uncovered feet, or loose clothing.
27. **DO NOT** use if robotic vacuum cleaner is not working as it should, or has been dropped, damaged, left outdoors, or dropped into water.
28. **DO NOT** place robotic vacuum cleaner on unstable surfaces.
29. **DO NOT** use to pick up:
 - a) Liquids.
 - b) Large objects.
 - c) Hard or sharp objects (glass, nails, screws, or coins).
 - d) Large quantities of dust (drywall dust, fireplace ash, or embers.)
 - e) **DO NOT** use as an attachment to power tools for dust collection.
 - f) Smoking or burning objects (hot coals, cigarette butts, or matches).
 - g) Flammable or combustible materials (lighter fluid, gasoline, or kerosene).
 - h) Toxic materials (chlorine bleach, ammonia, or drain cleaner).
 - i) Toxic materials (high concentrations of chlorine bleach liquid, high concentrations of ammonia, or drain cleaning solution).
30. **DO NOT** use in the following areas:
 - a) Wet or damp surfaces.
 - b) Outdoor areas near fireplaces with unobstructed entrances.
 - c) Spaces that are enclosed and may contain explosive or toxic fumes or vapors (lighter fluid, gasoline, kerosene, paint, paint thinners, mothproofing substances, or flammable dust.)
 - d) In an area with a space heater.
 - e) Near fireplaces with unobstructed entrances.

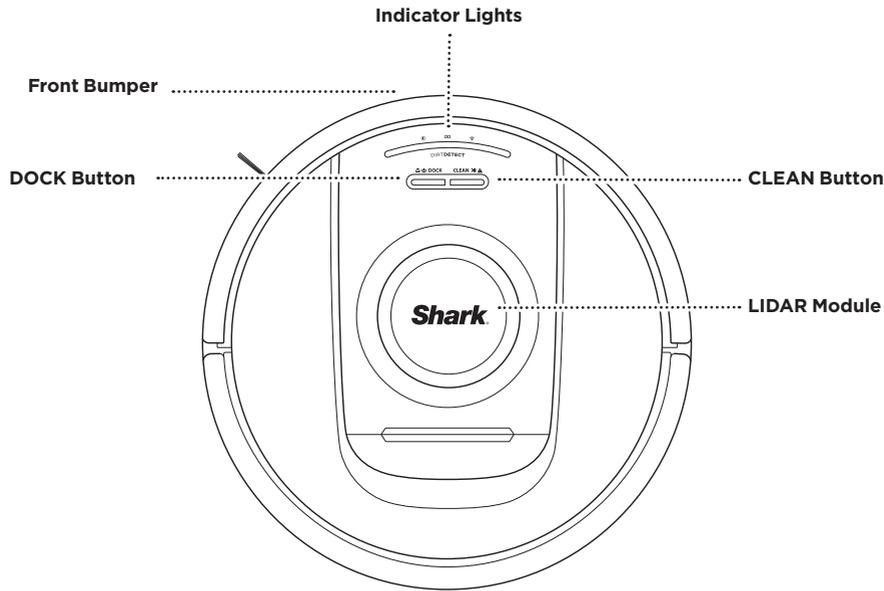
31. Turn off the robotic vacuum cleaner before any adjustment, cleaning, maintenance, or troubleshooting.
32. Allow all filters to air-dry completely before reinstalling them to prevent liquid from being drawn into electric parts.
33. **DO NOT** modify or attempt to repair the robotic vacuum cleaner or the battery yourself, except as indicated in this Owner's Guide. **DO NOT** use the vacuum if it has been modified or damaged.
34. **DO NOT** use any household cleaners (all-purpose cleaners, glass cleaners, bleach) on any of the polished high gloss surfaces on the Self-Empty Base or robotic vacuum cleaner as they contain chemicals that may damage these surfaces. Instead, use a cloth dampened with water to gently clean.

BATTERY USE

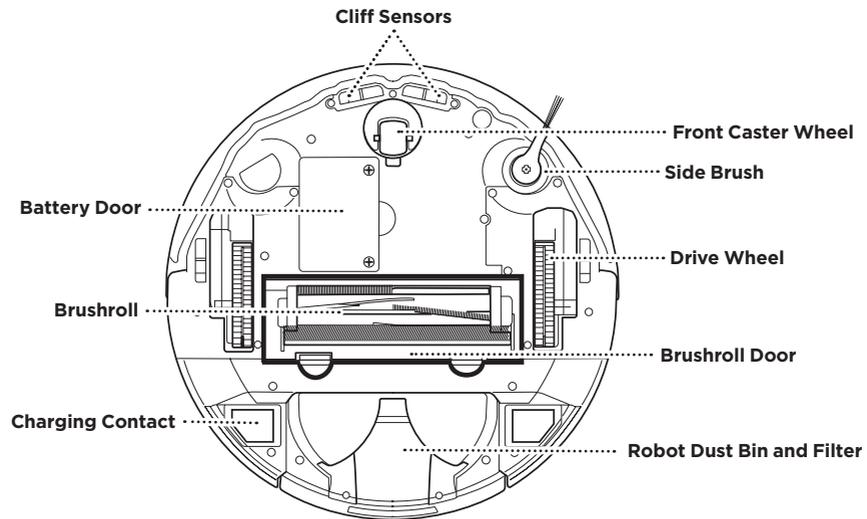
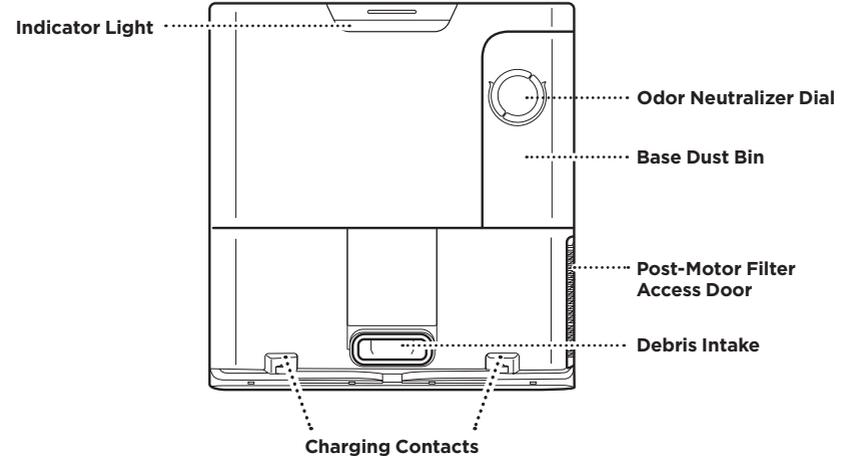
35. The battery is the power source for the robotic vacuum cleaner. Carefully read and follow all charging instructions.
36. To prevent unintentional starting, ensure the robotic vacuum cleaner is powered off before picking it up or carrying it.
37. For Shark® PowerDetect™ Self-Empty XL base replacement, use XDRV2820AE. For Shark PowerDetect Self-Empty Lite base replacement, use XDKRV2800S. For replacement battery, use RVBAT85002 battery pack.
38. Keep the battery away from all metal objects such as paper clips, coins, keys, nails, or screws. Shorting the battery terminals together increases the risk of fire or burns.
39. Under abusive conditions, liquids may be ejected from the battery. Avoid contact with this liquid, as it may cause irritation or burns. If contact occurs, flush with water. If liquid contacts eyes, seek medical help.
40. Robotic vacuum cleaner should not be stored, charged, or used at temperatures below 50°F (10°C) or above 104°F (40°C). Ensure the battery and vacuum have reached room temperature before charging or use. Exposing the robot or battery to temperatures outside of this range may damage the battery and increase the risk of fire.
41. **DO NOT** expose the robotic vacuum cleaner or battery to fire or temperatures above 265°F (130°C) as it may cause explosion.

SAVE THESE INSTRUCTIONS

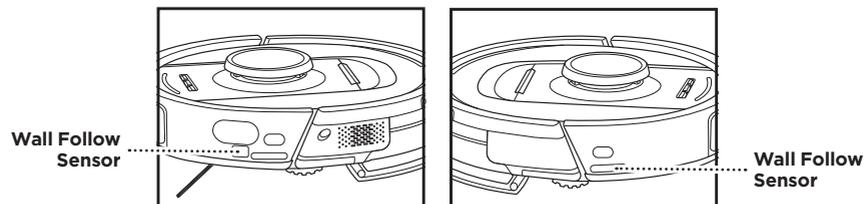
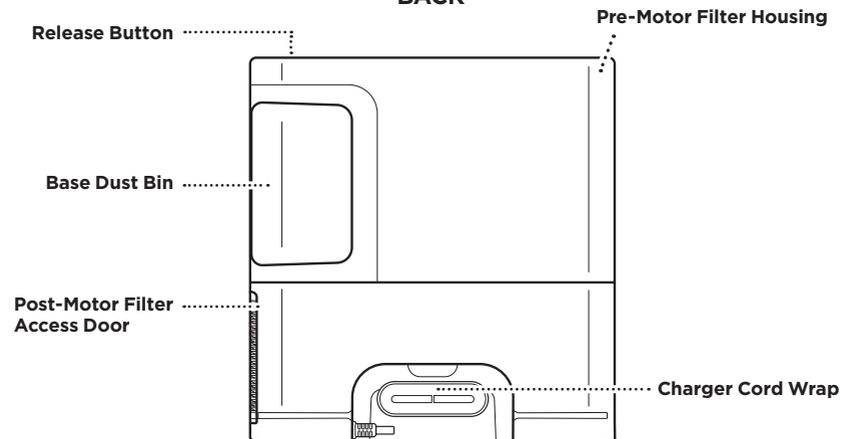
For the latest warnings and cautions, go to support.sharkclean.com



SELF-EMPTY BASE FRONT



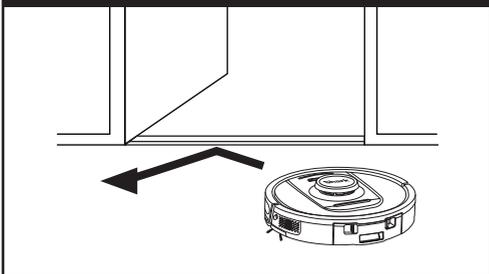
SELF-EMPTY BASE BACK



LIVING WITH YOUR ROBOT

Questions? For how-to videos, FAQs, troubleshooting, and tips & tricks, call 1-888-228-5531 for robot support or visit: support.sharkclean.com

DOORWAYS AND THRESHOLDS

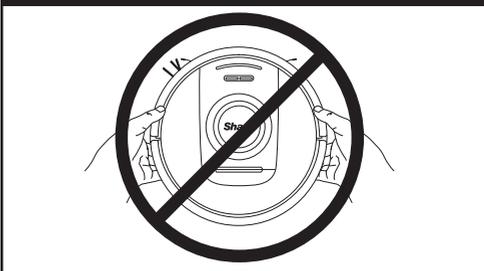


Your robot can easily climb over most thresholds, but if one is higher than 1 inch, set up a no-go zone in the app to block it off.

NOTE:

Please ensure dock is not placed in area with direct sunlight.

AVOID MOVING THE ROBOT OR SELF-EMPTY BASE



While your robot is cleaning, **DO NOT** pick it up and move it, or move the Self-Empty Base—this will impact the robot's ability to map your home. If the base is moved, you will need to remap your home.

CAN'T CONNECT TO WI-FI?



NOTE:

Shark Robots use 2.4 GHz networks to connect. Typical home Wi-Fi networks support both 2.4 GHz and 5 GHz.

Restart your phone

- Turn off phone, wait a few minutes, then turn it back on and connect to Wi-Fi.

Reboot your robot

- Take robot off base and press and hold down the DOCK button on the robot for 12 seconds. Turn your robot back on by placing it on the base.

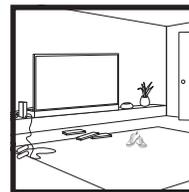
Reboot your router

- Unplug the router power cable for 30 seconds, then plug it back in. Allow several minutes for your router to reboot completely.
- Then follow the steps outlined in the SharkClean® app Wi-Fi setup instructions.

PREP YOUR HOME

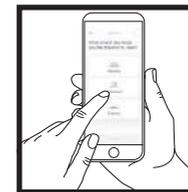
Your robot uses an array of sensors to navigate around walls, furniture legs, and other obstacles while it cleans. To prevent the robot from entering areas you don't want it to, set up no-go zones in the app. For best results, prepare your home as indicated below, and schedule a daily cleaning to ensure all floor areas are regularly maintained.

NOTE: Scheduling is one of many features that can only be done in the app.



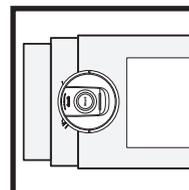
OBSTRUCTIONS

Your PowerDetect robot will detect obstacles and navigates the robot around them. Robot can see and avoid objects close to the ground like socks, shoes, toys, and more To ensure a complete map of your home, open interior doors.



SCHEDULING

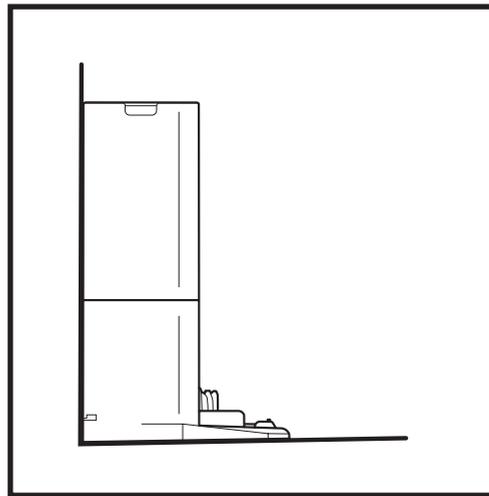
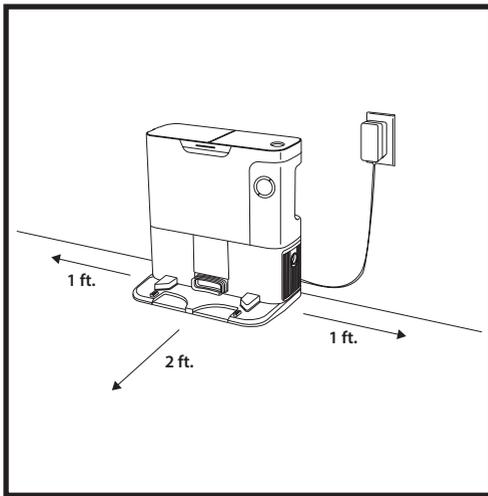
Schedule whole-home vacuuming runs with the app.



STAIRS

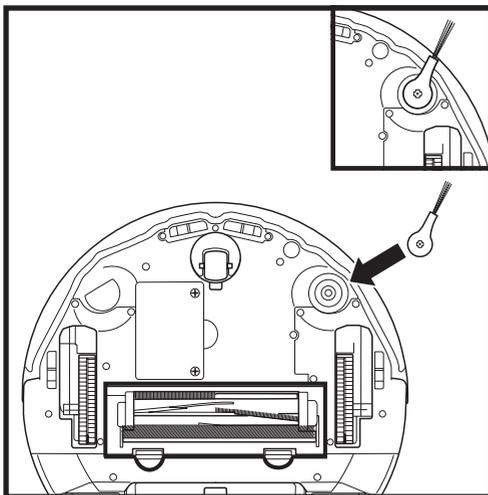
Your robot's cliff sensors will prevent it from falling off ledges. For the cliff sensors to work properly in any mode, all runners, rugs, or carpets must be at least 8 inches from any stairs, or must extend over the edge of the stairs.

SELF-EMPTY BASE SETUP



- Find a permanent Location for the base in a central area. Ensure the base is not placed in area with direct sunlight.
- Ensure the chosen location has a strong **Wi-Fi signal**.
- Remove any objects that are closer than 0.3m from either side of the base, or close than 0.6m from the front.
- Plug in the base.

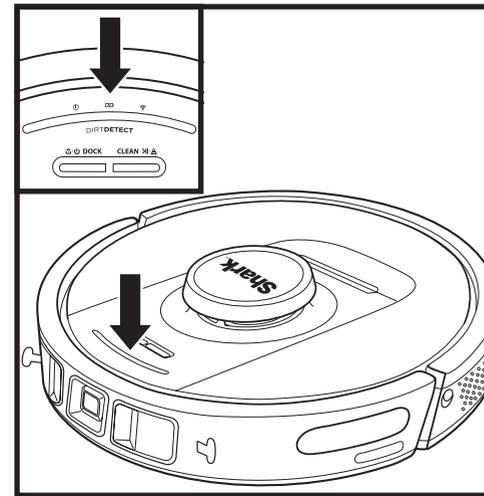
INSTALLING THE SIDE BRUSH



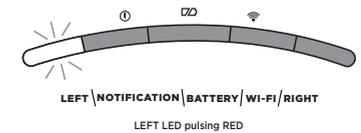
Attach the side brush to the post on the bottom of the robot.

NOTE: Side brush design may vary.

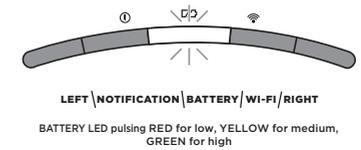
ROBOT INDICATOR LIGHTS



Low Battery



Charging



If your robot is low on battery power, the left LED light will pulse RED. Manually place the robot on the base to begin charging. When the robot is charging, the battery indicator light will pulse, based on the current battery charge level: RED for low, YELLOW for medium, GREEN for high.

When cleaning, the remaining battery level is indicated by the number of LED lights illuminated. At full battery power, 5 indicator lights will be illuminated. At 80% battery, 4 indicator lights will be illuminated, and so on.

DIRTDETECT

Detects hidden debris and automatically boosts power until no more dirt is detected. When the robot detects a mess, the lights on the robot will turn purple to indicate that DirtDetect is enabled. The robot will deep-clean in a 3' x 3' pattern.

ACTIVE LIFT AND LOWER

The robot lifts itself over bumps, rugs, and low thresholds (less than 1") with ease. The orange lights will illuminate when the robot moves over obstacles

SIDE BRUSH NOT SPINNING ON CARPET

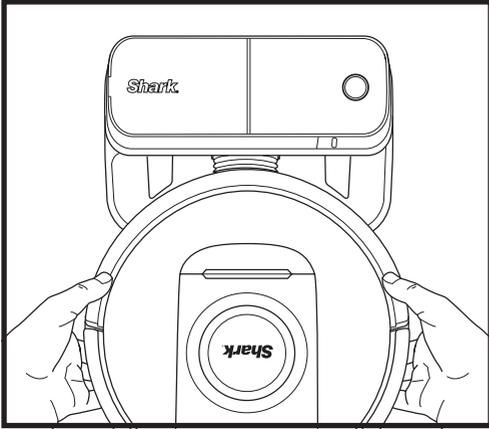
The side brush will not spin on a carpeted area to prevent entanglement with carpet threads.

SELF-EMPTY BASE INDICATOR LIGHTS

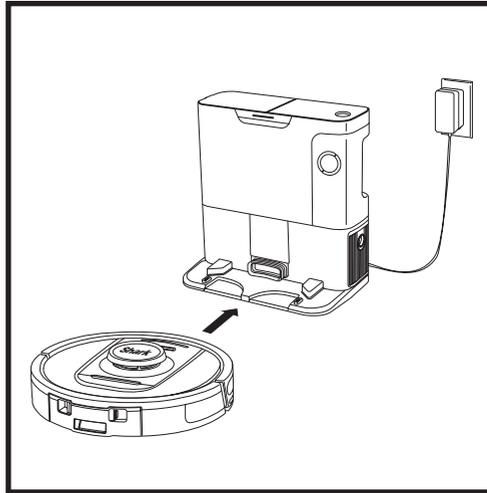
- **Base ON and Robot Charging** - Solid Blue
- **Base ON but Robot Not Charging** - Solid Green
- **Robot Evacuating into Self-Empty Base** - Pulsing Green

CHARGING

IMPORTANT: Be sure to charge the robot completely before its first cleaning so that it can explore, map, and clean as much of your home as possible. It may take up to 6 hours to fully charge your robot.



To **TURN THE ROBOT ON:** Place the robot on the Self-Empty Base or hold down DOCK button for 5 to 7 seconds, until the indicator lights turn on.

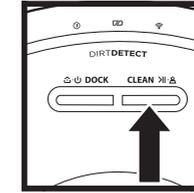
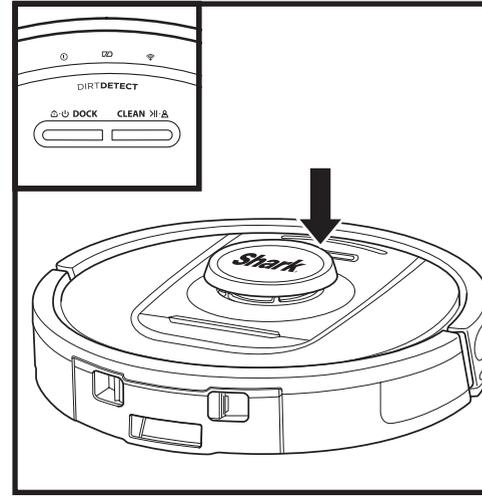


When the cleaning cycle is complete, or if the battery is running low, the robot will search for the Self-Empty Base. If the robot doesn't return to the base, its charge may have run out.

NOTE: When manually placing the robot on the Self-Empty Base, make sure the **Charging Contacts** on the bottom of the robot are touching the ones on the base.

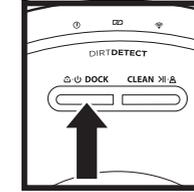
NOTE: When picking up the robot, be careful not to place fingers between the bumper and the back of the robot.

DOCK AND CLEAN BUTTONS



CLEAN BUTTON

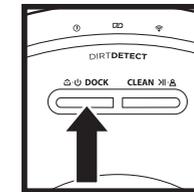
If the robot is on the base, press the CLEAN button for a whole-home clean. Press again to pause the cleaning session.



DOCK BUTTON

To turn on/off your robot, press the DOCK button for 5-7 seconds.

Press the DOCK button to allow the robot to go back to the Self-Empty Base.



RECHARGE & RESUME

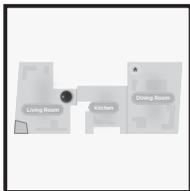
Press and hold the DOCK button for 15 seconds to turn Recharge & Resume ON or OFF.

The Recharge & Resume function is turned ON by default. The robot will run until it reaches low battery, and if its cleaning mission is not complete, it will return to the base, recharge, and pick up where it left off.

Please visit support.sharkclean.com or call 1-888-228-5531 for answers to all your app questions.

USING THE SHARKCLEAN® APP AND VOICE CONTROLS

Get the most out of your Shark® robot vacuum with these app features:



- **Recharge and Resume**
The robot will return to the Self-Empty Base, recharge, and can pick up where it left off.
- **No-Go Zones**
Use the no-go zones in the app to keep your robot out of the areas you would like it to avoid.



- **Scheduling**
Set up whole-home cleanings for any time, any day.
- **Control From Anywhere**
Wherever you are, you're in control of your robot.
- **Cleaning Reports**
Each time your robot cleans, your app will generate a cleaning report.

Search for **SharkClean** in the app store and download the app to your iPhone™ or Android™.



SETTING UP VOICE CONTROL WITH THE GOOGLE ASSISTANT OR AMAZON ALEXA

Visit support.sharkclean.com for setup instructions, which include how to enable Shark Skill for Amazon Alexa and using with Google Assistant.

Google Assistant:

- Hey Google, start vacuuming.
- Hey Google, tell (robot name) to vacuum.
- Hey Google, pause vacuuming.
- Hey Google, tell (robot name) to go home.

Amazon Alexa:

- Alexa, ask Shark to start vacuuming/cleaning the (room name).
- Alexa, start/stop the vacuum.
- Alexa, send the vacuum to Self-Empty Base.

WI-FI TROUBLESHOOTING

- Typical home Wi-Fi networks support both 2.4 GHz and 5 GHz.
- Do not use a VPN or a proxy server. Hotspot available to connect only at 2.4GHz.
- Make sure Wi-Fi isolation is turned off on the router.
- If you cannot connect, call 1-888-228-5531.

STILL CAN'T CONNECT?

Restart your phone

Turn off phone, wait a few minutes, then turn it back on and connect to Wi-Fi.

Reboot your robot

• Take robot off Self-Empty Base and press and hold the DOCK button on the robot for 5-7 seconds to turn off power. To turn power back on, place the robot back on the base.

Reboot your router

• Unplug the router power cable for 30 seconds, then plug it back in. Allow several minutes for your router to reboot completely.

How do I use my robot with Amazon Alexa?

Open the Amazon Alexa app, go to the menu and select Skills. Or go to the Alexa Skills store on the Amazon website. Search for "Shark Skill". Select the Shark Skill to open the detail page, then select the Enable Skill option. Once enabled, you can ask Alexa to control your robot (i.e., "Alexa, tell Shark to start cleaning").

How do I set up my robot with the Google Assistant on an Apple device?

1. Download, open, and sign into the Google Assistant app. 2. Select the "Explore" icon. Search for "Shark" and select "Try it." 3. To allow Google to link to your SharkClean® account, sign into your SharkClean account. This is the same account you used when setting up your Shark robot in the SharkClean app. Select "Authorize" to link your SharkClean account to the Google Assistant. Congratulations! The Google Assistant now works with your Shark robot. To send your robot into action, use the voice command, "Google, tell Shark to start cleaning."

How do I set up my robot with the Google Assistant on Android?

1. Download open, and sign into the Google Assistant app. 2. Select the "Explore" icon. Search for "Shark" and select "Link." 3. Sign into your SharkClean account. This is the same account you used when setting up your Shark robot in the SharkClean app. Congratulations! The Google Assistant now works with your Shark robot. To send your robot into action, use the voice command, "Google, tell Shark to start cleaning."

What should I do if my Wi-Fi randomly disconnects?

Turn OFF the robot, by pressing and holding the DOCK button for 5-7 seconds. Wait 10 seconds, then turn the robot power back on by pressing and holding the DOCK button for 5-7 seconds. Turn off your phone. Wait 30 seconds, then turn your phone back on. Open Wi-Fi settings on your phone, find the Shark network, and select Forget Network. Reopen SharkClean app and retry the connection process. It is normal for your robot to temporarily lose connectivity when it goes under furniture or moves far from your router. Your Shark® robot will automatically reconnect to Wi-Fi. If the robot does not reconnect, power it off, wait 10 seconds, power the robot back on, and place it back on the base.

What should I do if I verified a wireless network password that is incorrect?

Close the app, then reopen it. Make sure that you entered the correct Wi-Fi network password this time. In your phone's network settings, choose your home 2.4 GHz network, and select Forget. Reconnect to your home network. Make sure to use the correct password. If you were able to connect to your home network, proceed to the app setup process. We recommend that you use the eye icon when entering your password to make sure it is correct. Turn off your router and wait 30 seconds. Turn your router back on. Check to make sure your 2.4 GHz network is visible in your phone settings. Turn off the robot, then wait 10 seconds. Turn the robot back on and wait for the voice prompt. Hard-close the app and restart the connection process on the robot. If you cannot locate your Wi-Fi password, please contact your Internet service provider.

What should I do if my username or password is invalid?

We recommend you select the eye icon next to the password entry to verify you are entering your password correctly. Select the 'Forgot Password' option on the sign-in page. The automated system will email you a link to reset your password. If you do not see an email, search your inbox and spam folder for emails from myshark-ninja@sharkninja.com. You can use the "Resend code" option to send the email again.

What should I do if there is an issue resetting password (did not receive the email or token was invalid)?

Select the 'Forgot Password' option on the sign-in page. The automated system will email you a link to reset your password. If you do not see an email, search your inbox and spam folder for emails from mysharkninja@sharkninja.com. You can use the "Resend code" option to send the email again.

ERROR CODE	PROBLEM
LEFT LED (YELLOW) flashing	Wrong password for Wi-Fi
LEFT LED (YELLOW) + RIGHT LED (YELLOW) flashing	SSID cannot be found, try connecting again
NOTIFICATION LED (RED) + WIFI LED (RED) flashing	Cannot connect to Wi-Fi

TROUBLESHOOTING

What should I do if my Shark® robot won't connect to Wi-Fi or loses Wi-Fi connectivity?

If you are an iOS user and recently upgraded to iOS 14, you need to enable local network access on your phone for the SharkClean app. Please take the following steps to enable. Go to your phone settings --> Select Privacy --> Select Local Network --> Toggle SharkClean on, then try connecting again. Make sure your phone is connected to your home Wi-Fi network before trying to connect your robot. Typical home Wi-Fi networks support both 2.4 GHz and 5 GHz. Make sure you are connected to a 2.4 GHz network when you enter your username and password. Ensure your robot is turned on and you hear an audio prompt. Do not use a VPN or a proxy server. Make sure Wi-Fi isolation is turned off on the router.

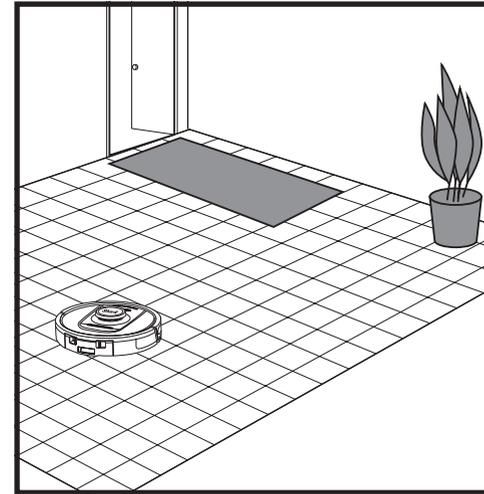
There may be instances where your Shark robot loses connectivity while operating, due to a weak Wi-Fi signal, or entering a zone that blocks Wi-Fi.

Turn off the robot. Wait 10 seconds, then turn the power back on and wait for the voice prompt. Power off your phone, wait 30 seconds, and power back on. Open Wi-Fi settings on your phone, find the Shark network, then select Forget Network. Reopen the SharkClean app and retry the connection process.

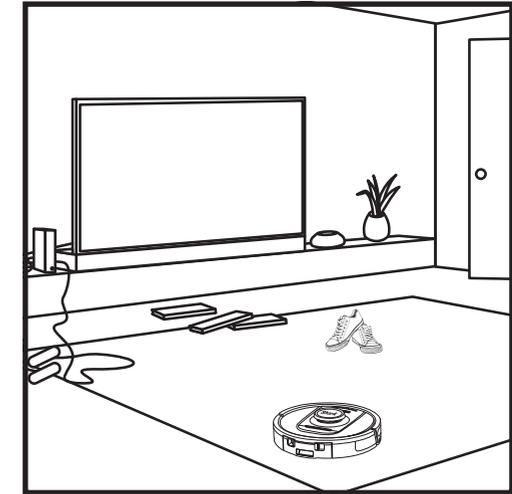
It is normal for your robot to temporarily lose connectivity when it goes under furniture, or moves far from your router. Your Shark robot will automatically reconnect to Wi-Fi. If the robot does not reconnect on its own, remove the unit from the Self-Empty Base. Power the robot off, wait 10 seconds, and place it back on the base.

USING THE SHARK® POWERDETECT™

3D SENSOR AND AI LASER NAVIGATION™



After setup is complete, your robot will conduct an **Explore Run** to create an initial map of your home. The robot will travel from room to room to identify walls, furniture, and other obstacles as it cleans. This run will take less time than a full cleaning, as it doesn't cover the entire floor.



The robot's object detection technology detects obstacles and navigates the robot around them. Robot can see and avoid objects close to the ground like socks, shoes, toys, and more.

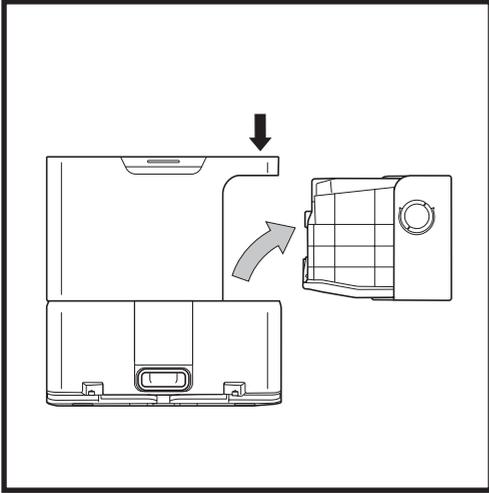
MANUAL CLEANING MODE

To manually start a cleaning cycle, press the CLEAN button on the robot.
To immediately send the robot back to the Self-Empty Base, press the DOCK button.

NOTE: Be sure to charge the robot completely before its first cleaning so that it can explore, map, and clean as much of your home as possible. It may take up to 6 hours to fully charge your robot.
NOTE: Avoid moving the base. If it is relocated, the robot may not be able to find its way back to the base, and you will need to remap your home. If the robot is relocated while in use, it may not be able to follow its intelligent cleaning path, or find its way back to the base.

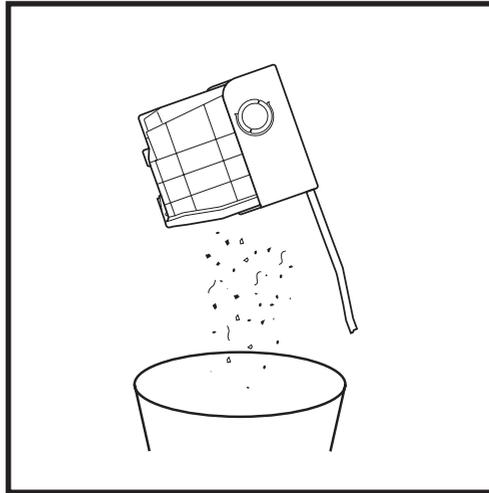
MAINTENANCE

MAINTAINING THE BASE DUST BIN



Depending on the size of the base, empty the base dust bin every 30 to 60 days or as needed.

To detach the bin, press the **Dust Bin Release** button on the top of the base then slide out the bin.

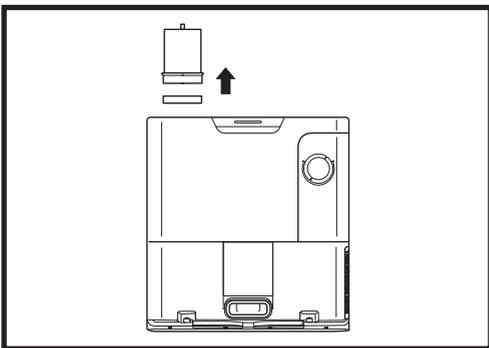


To empty the bin, hold it over the trash, then press the release button with the trash can icon on the side of the bin. The bin lid will open, releasing dust and debris. Lightly tap the dust bin against the inside of the trash receptacle to knock off any remaining debris. Reinstall the bin by sliding it into the slot in the base until it clicks into place.

CLEANING AND REPLACING THE BASE FILTERS

Regularly clean the filters to keep your vacuum's suction power optimal. Replace filters every 6-12 months or as needed.

IMPORTANT: DO NOT use soap when cleaning the filters.



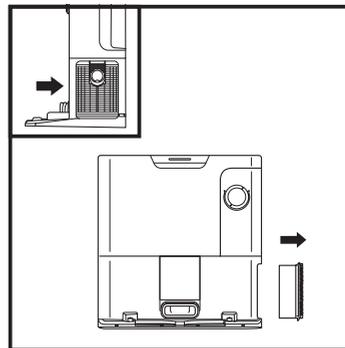
CLEAN PRE-MOTOR FILTERS ONCE A MONTH

To open the filter housing lid, hold the top left edge of the base and pull up on the lid. With the lid open, remove the foam filter by the top handle, then lift out the felt filter underneath. Tap the filters clean over the trash, then rinse with cold water **ONLY**, as soap may damage them. Allow filters to air-dry completely before reinstalling them. The filters must be installed correctly for the base to work properly. Reinsert the felt filter first, then the foam filter.

CLEAN POST-MOTOR FILTER ONCE A MONTH

Press the button at the top of the **Filter Door**, then tilt the door and lift it off. Remove the **Post-Motor Filter** from the base by pulling the tab down.

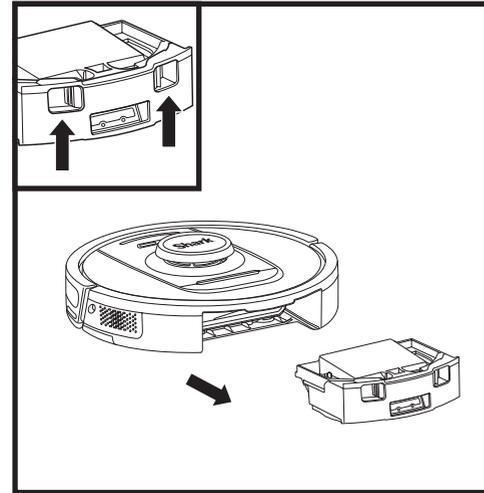
Tap the filters clean over the trash. Do not use water or soap to clean filters as this will cause damage.



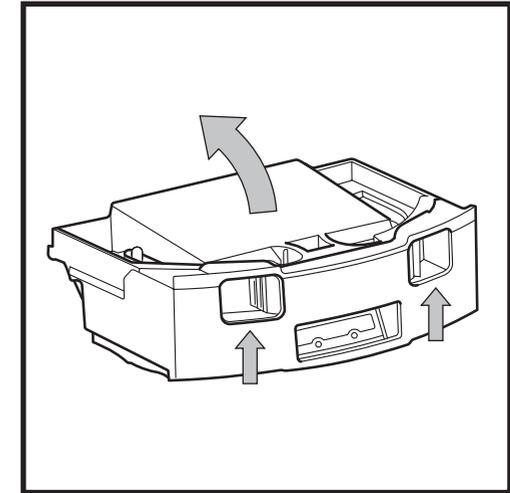
MAINTENANCE

CAUTION: Turn off power before performing any maintenance. To turn the robot power off, press the **DOCK** button on the robot for 5-7 seconds.

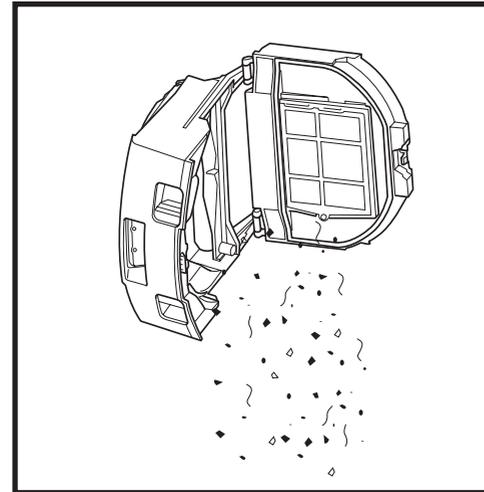
EMPTYING THE ROBOT DUST BIN



Press the **Dust Bin Release Button** and slide out the dust bin.



To open the dust bin lid, pinch and lift up using the finger slots.



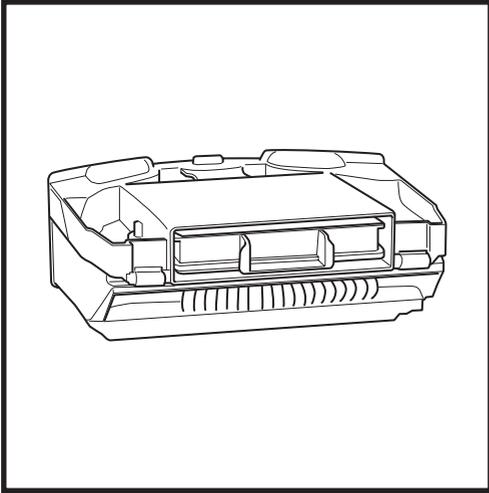
Empty debris and dust into trash. If desired, you may use a damp cloth to wipe the dust bin. Let dry for 24 hours before use.

NOTE: After emptying the dust bin make sure to insert the dust bin completely, until it clicks into place.

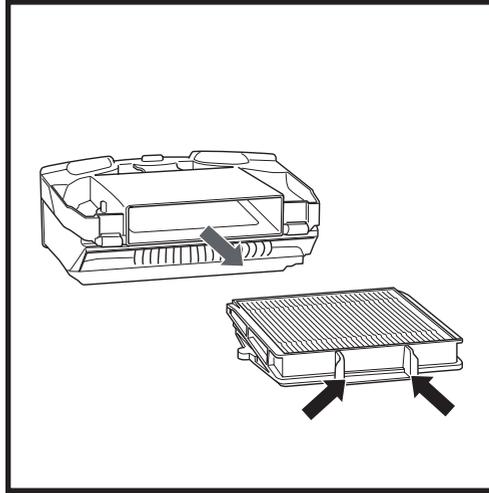
MAINTENANCE

CLEANING THE ROBOT'S FILTER

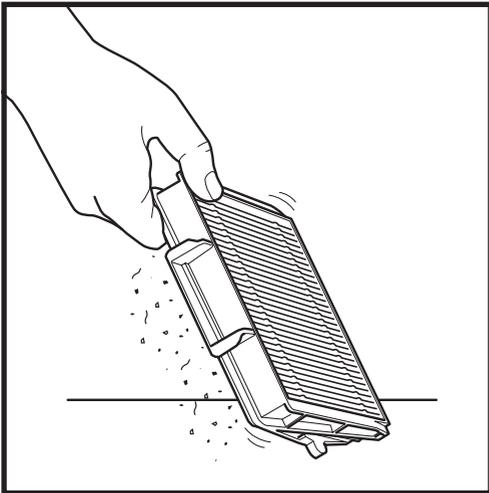
For optimal suction power, after each use, clean the filter inside the robot's dust bin.



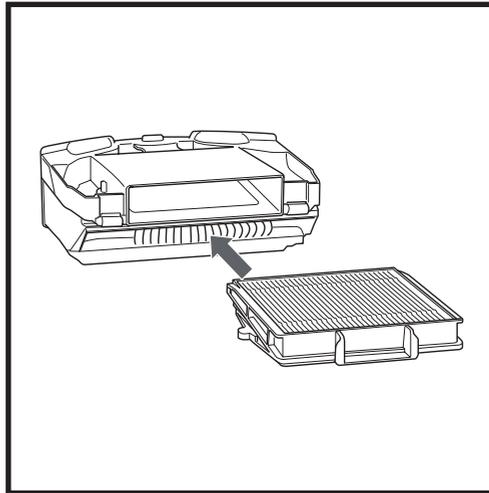
Remove and empty the dust bin. Clean any hair or debris off the **Anti-Tangle Comb** on the back of the dust bin.



Pull filter out of the dust bin by the tabs.



Lightly tap the filter to remove debris every time you empty the dust bin.



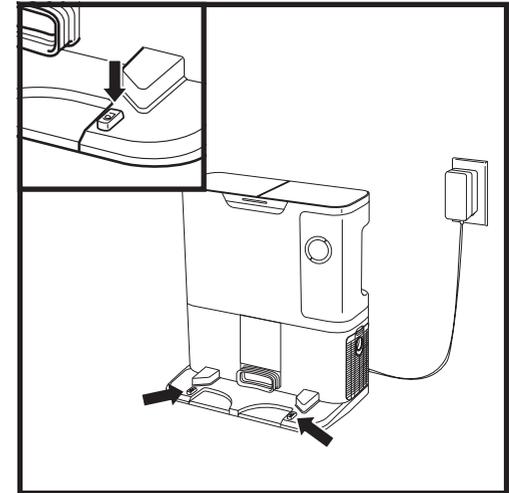
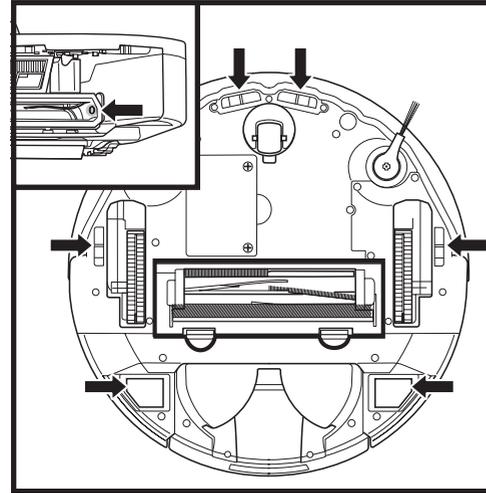
Reinsert the filter into the dust bin, then slide the dust bin back into the robot until it clicks into place.

NOTE: Make sure to insert the dust bin completely, until it clicks into place.

MAINTENANCE

CLEANING THE SENSORS AND CHARGING CONTACTS

THE SENSORS ON THE ROBOT REQUIRE OCCASIONAL MAINTENANCE. With a dry cloth or cotton swab, gently dust off the sensors located on the bottom and sides of the robot.

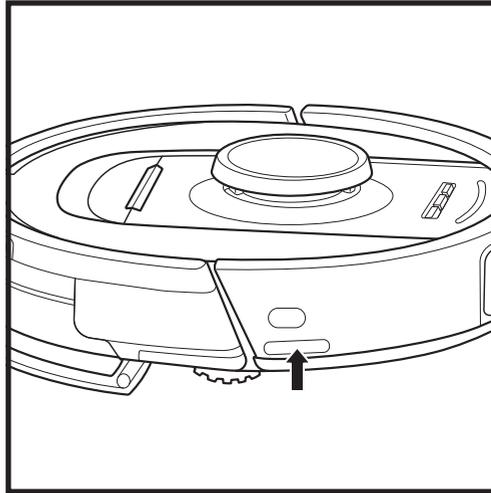
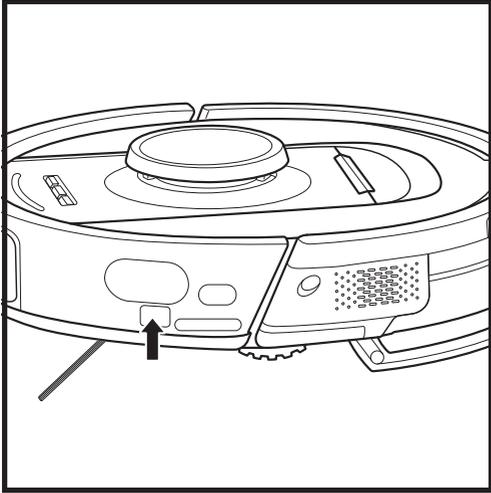


IMPORTANT: The robot uses cliff sensors to avoid stairs and other steep drops. Sensors may work less effectively when they are dirty. For best results, clean sensors regularly.

MAINTENANCE

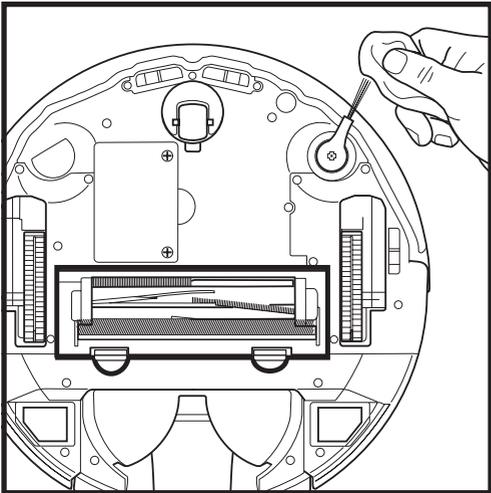
CLEANING THE WALL-FOLLOW SENSORS

1. The sensors on the robot require occasional maintenance.
2. With a dry cloth or cotton swab, gently dust off the sensors located on the sides of the robot.



CLEANING SIDE BRUSH

CLEAN SIDE BRUSH AS NEEDED.

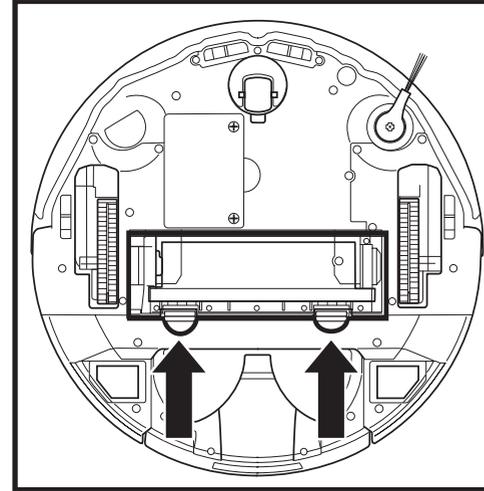


Carefully unwind and remove any string or hair wrapped around brush.
Gently wipe brush with a dry cloth. To reinstall, snap the brush over the peg. Spin the brush manually to make sure it is installed correctly.

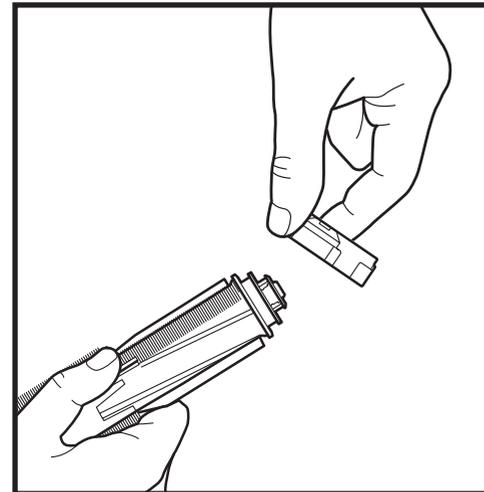
NOTE: Remove and replace any side brush that is bent or damaged. To remove a brush, lift it off its peg.

MAINTENANCE

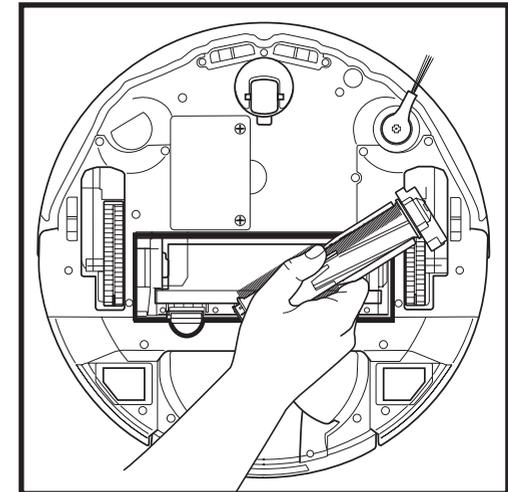
BRUSHROLL



To access the brushroll, push up on the tabs on the brushroll door, then lift off the door.



Take out the brushroll and remove the cap on the end. Clean off any hair or debris then replace the cap.



Reinstall the brushroll, inserting the flat end first. Close the brushroll access door and press down until both sides click into place.

NOTE: Replace brushroll every 6 to 12 months, or when visibly worn. See sharkaccessories.com for replacement parts.

MAINTENANCE

TROUBLESHOOTING

If any error lights are illuminated or flashing on your robot, see the error code chart below:

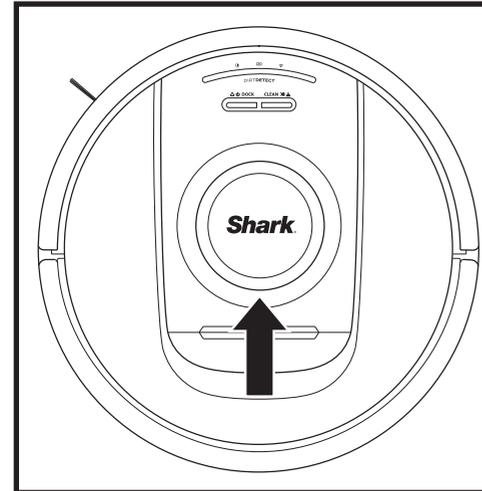
ERROR CODE	ERROR NUMBER	SOLUTION
BATTERY LED (RED) + WIFI LED (RED) Solid	2	Side brush is stuck. Remove any debris from around the side brush so it moves freely.
NOTIFICATION LED (RED) + RIGHT LED (YELLOW) Solid	4	Blockage in brushroll. Remove any debris from around and inside the brushroll so that it can spin freely.
BATTERY LED (RED) + WIFI LED (RED) + RIGHT LED (YELLOW) Solid	5	A drive wheel is stuck. Clean the wheels and remove any debris wrapped around the axles so they can move freely.
LEFT LED (YELLOW) + NOTIFICATION LED (RED) + BATTERY LED (RED) + WIFI LED (RED) + RIGHT LED (YELLOW) Solid	18	Wheel motor encoder failure. Please contact Shark Customer Service at 1-888-228-5531.
NOTIFICATION LED (RED) + WIFI LED (RED) + RIGHT LED (YELLOW) Flashing	3	Suction motor failure. Remove and empty the dust bin, clean the filters, remove the brushroll and brushroll door, and remove blockages.
WIFI LED (RED) + RIGHT LED (YELLOW) Solid	6	Front bumper may be jammed. Clean the bumper and make sure it moves in and out freely.
NOTIFICATION LED (RED) + WIFI LED (RED) Solid	7	Cliff sensor error. Move your robot to a new location and clean its cliff sensors.
BATTERY LED (RED) + RIGHT LED (YELLOW) Solid	9	Robot dust bin needs to be reinstalled. Insert the dust bin until it clicks in place.
WIFI (RED) Solid	10	Robot cannot start due to wheel drop. Move robot to a new location on a level surface.
NOTIFICATION LED (RED) Solid	16	Robot is stuck. Move your robot to a new location and make sure the front bumper moves in and out freely.
NOTIFICATION LED (RED) + BATTERY LED (RED) + WIFI LED (RED) Solid	23	Robot cannot find the Self-Empty Base. Please make sure the Self-Empty Base is ON and is free of all obstacles.
LEFT LED (RED) Flashing	24	Battery is critically low and needs recharging. Please pick up your robot and place it on the Self-Empty Base. Make sure the Self-Empty Base indicator light turns blue to confirm your robot is placed on the base correctly.
NOTIFICATION LED (RED) + BATTERY LED (RED) + WIFI LED (RED) + RIGHT LED (YELLOW) Solid	26	Blockage in dust bin. Check the Self-Empty Base and the robot dust bin for clogs. Clear any debris and reinstall the dust bin, ensuring that it clicks into place.
LEFT LED (YELLOW) Solid, NOTIFICATION LED (RED) Solid, BATTERY LED (RED) Solid AND WI-FI LED (RED) Solid	30	There may be a blockage with ActiveLift. Turn off the robot, and ensure that there is nothing blocking the wheel suspension from moving up and down.

Sensor Name	Functional Description
Cliff Sensor	Cliff sensors monitor the cliff to avoid falling by way of infrared ranging. If there is a downward stair in front (e.g. the height of the white ground is greater than 50mm, or the black ground is greater than 30mm), the reading value of the sensor exceeds the preset value, then robot stop moving forward.
Lidar Sensor	Lidar sensor help robot map through laser ranging. Detective distance is 8m.
3D Sensor	With 2 line-lasers and an IR camera, the 3D sensor scans the objects to identify the image through algorithms. FOV: H=100°, V=78.7°.
Wall Follow Sensor	Wall follow sensor detects the distance between the objects and the left side of the robot by the TOF ranging. Detective distance is 30mm.

For all other issues, please call Customer Service at 1-888-228-5531

MAINTENANCE

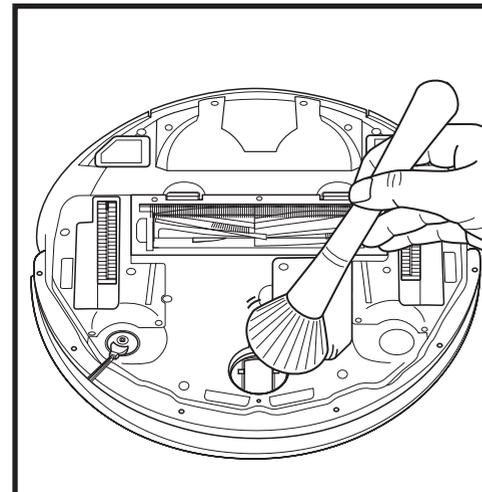
LIDAR MODULE



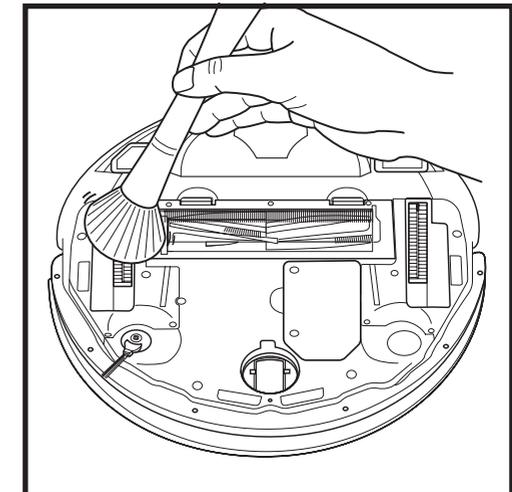
Check the navigation module on top of the robot and gently remove any hair or debris. For a more complete clean, place the robot on a level surface and turn off the power. Use compressed air to blow away any dirt or debris from the gap around the rotating LiDAR module. You may also clean by rotating a cotton swab in both directions.

CLEANING THE WHEELS

CLEAN FRONT WHEEL HOUSING PERIODICALLY.
See sharkaccessories.com for replacement parts.



Rotate the front wheel while lightly brushing away dirt and debris. Clean the wheel and the housing around it.

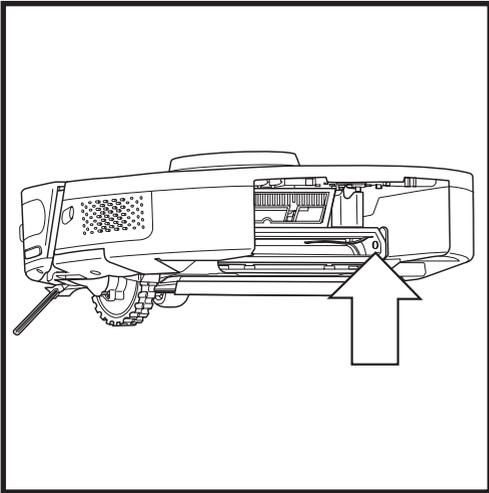


Periodically clean the drive wheels and the housing around them. To clean, rotate each drive wheel while dusting.

NOTE: Brush not included.

REPLACEMENT PARTS

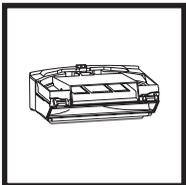
CLEANING THE DIRTDETECT SENSORS



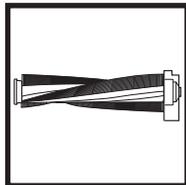
Remove the robot dust bin. Using the included DirtDetect brush or a microfiber cloth, wipe off the area indicated to remove any dust or debris covering the sensor.

NOTE: To order replacement parts visit sharkaccessories.com.

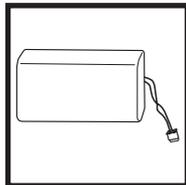
REPLACEMENT PARTS: ROBOT



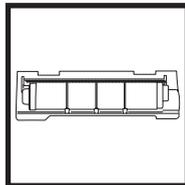
Robot Dust Bin



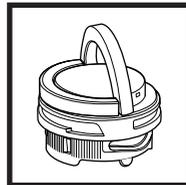
Brushroll*



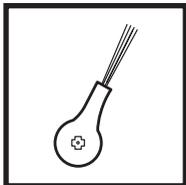
Battery



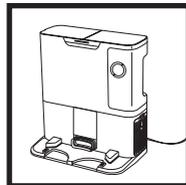
Brushroll Door*



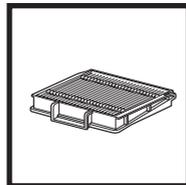
Odor Cartridge Assembly



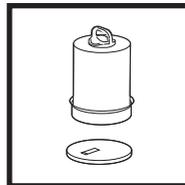
Side Brush*



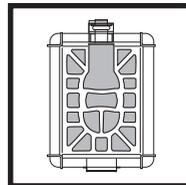
Self-Empty Base



Robot Dust Cup Filter



Dock Pre-Motor Filter



Dock Post-Motor Filter

*NOTE: Design may vary.

Questions or Problems?

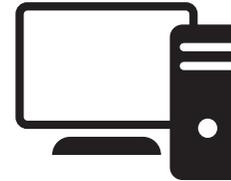
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11. APPLICABLE LAW. The laws of the Commonwealth of Massachusetts will govern this EULA and You hereby consent to exclusive jurisdiction and venue in the state and federal courts sitting in the Commonwealth of Massachusetts.

12. ASSIGNMENT. SharkNinja may assign this EULA without notice to Licensor.

13. ENTIRE AGREEMENT. This EULA (including any addendum or amendment to this EULA which is included with the SN Devices) is the entire agreement between You and SharkNinja relating to the SN APPS and supersedes all prior or contemporaneous oral or written communications, proposals and representations with respect to the SN APPS or any other subject matter covered by this EULA. To the extent the terms of any SharkNinja policies or programs for support services conflict with the terms of this EULA, the terms of this EULA shall control.

If You have questions regarding this EULA, please contact SharkNinja at 89 A Street, Suite 100, Needham, MA 02494.

ONE (1) YEAR LIMITED WARRANTY

The One (1) Year Limited Warranty applies to purchases made from authorized retailers of **SharkNinja Operating LLC**. Warranty coverage applies to the original owner and to the original product only and is not transferable.

SharkNinja warrants that the unit shall be free from defects in material and workmanship for a period of one (1) year from the date of purchase when it is used under normal household conditions and maintained according to the requirements outlined in the Owner's Guide, subject to the following conditions and exclusions:

What is covered by this warranty?

1. The original unit and/or non-wearable components deemed defective, in SharkNinja's sole discretion, will be repaired or replaced with a new or refurbished unit of the same or equivalent model, up to one year from the original purchase date.
2. In the event a replacement unit is issued, the warranty coverage ends six (6) months following the receipt date of the replacement unit or the remainder of the existing warranty, whichever is later. SharkNinja reserves the right to replace the unit with one of equal or greater value.

What is not covered by this warranty?

1. Normal wear and tear of wearable parts (e.g., not cleaning the filters, not removing debris from the brushroll), which require regular maintenance and/or replacement to ensure the proper functioning of your unit, are not covered by this warranty. Replacement parts are available for purchase at sharkaccessories.com.
2. Any unit that has been tampered with or used for commercial purposes.
3. Damage caused by misuse (e.g., vacuuming up water or other liquids), abuse, negligent handling, failure to perform required maintenance (e.g., not cleaning the filters, not removing debris from the brushroll), or damage due to mishandling in transit.
4. Consequential and incidental damages.
5. Defects caused by repair persons not authorized by SharkNinja. These defects include damages caused in the process of shipping, altering, or repairing the SharkNinja product (or any of its parts) when the repair is performed by a repair person not authorized by SharkNinja.
6. Products purchased, used, or operated outside North America.

How to get service

If your appliance fails to operate properly while in use under normal household conditions within the warranty period, visit sharkclean.com/support for product care and maintenance self-help. Our Customer Service Specialists are also available at **1-888-228-5531** to assist with product support and warranty service options, including the possibility of upgrading to our VIP warranty service options for select product categories. Please register your product and have it with you when contacting Customer Service.

SharkNinja will cover the cost for the customer to send in the unit to us for repair or replacement. A fee of \$25.95 (subject to change) will be charged when SharkNinja ships the repaired or replacement unit.

How to initiate a warranty claim

You must call **1-888-228-5531** to initiate a warranty claim. You will need the receipt as proof of purchase. A Customer Service Specialist will provide you with return and packing instruction information.

How state law applies

This warranty gives you specific legal rights, and you also may have other rights that vary from state to state. Some states do not permit the exclusion or limitation of incidental or consequential damages, so the above may not apply to you.

REGISTER YOUR PURCHASE

 registryourshark.com



RECORD THIS INFORMATION

Model Number: _____

Date of Purchase: _____
(Keep receipt)

Store of Purchase: _____

TIP: You can find the model and serial numbers on the QR code labels on the bottom of the robot and Self-Empty Base.

EXPECTED PERFORMANCE

Expected runtime: 60 minutes
Expected charging time: 6 hours

PLEASE READ CAREFULLY AND KEEP FOR FUTURE REFERENCE.

This Owner's Guide is designed to help you keep your Shark® PowerDetect™ robot running at peak performance.

SharkNinja Operating LLC
US: Needham, MA 02494
CAN: Ville St-Laurent, QC H4S 1A7
1-888-228-5531
sharkclean.com

Illustrations may differ from actual product. We are constantly striving to improve our products; therefore the specifications contained herein are subject to change without notice.

This product may be covered by one or more U.S. patents. See sharkninja.com/patents for more information.

NOTES

NOTES



FCC WARNINGS

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to parts 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This Device complies with part 15 of the FCC rules. Operation is subject to the following conditions:

- 1 This device may not cause harmful interference
- 2 This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

ISED STATEMENT

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Le pr sent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autoris e aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radio lectrique subi, m me si le brouillage est susceptible d'en compromettre le fonctionnement.



BATTERY REMOVAL AND DISPOSAL

This product uses a battery. When the battery no longer holds a charge, it should be removed from the vacuum and recycled. DO NOT incinerate or compost the battery.

When your lithium-ion battery needs to be replaced, dispose of it or recycle it in accordance with local ordinances or regulations. In some areas, it is illegal to place spent lithium-ion batteries in the trash or in a municipal solid waste stream. Return spent battery to an authorized recycling center or to retailer for recycling. Contact your local recycling center for information on where to drop off the spent battery.

For more information on battery removal for disposal, please visit sharkclean.com/batterysupport.

The RBRC™ (Rechargeable Battery Recycling Corporation) seal on the lithium-ion battery indicates that the costs to recycle the battery at the end of its useful life have already been paid by SharkNinja. In some areas, it is illegal to place spent lithium-ion batteries in the trash or municipal solid waste stream and the RBRC program provides an environmentally conscious alternative.

RBRC, in cooperation with SharkNinja and other battery users, has established programs in the United States and Canada to facilitate the collection of spent lithium-ion batteries. Help protect our environment and conserve natural resources by returning the spent lithium-ion battery to an authorized SharkNinja service center or to your local retailer for recycling. You may also contact your local recycling center for information on where to drop off the spent battery, or call 1-800-798-7398.

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