Roborock Saros 10 with Refill and Drainage System

Robotic Vacuum Cleaner User Manual

Read this user manual with diagrams carefully before using this product and store it properly for future reference.

roborock

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Safety Information

WARNING

- For use only with roborock EWFD32LRR or EWFD33LRR docking station.
- The product must be switched off and the plug must be removed from socket outlet when not in use, before cleaning or maintaining the product.
- Connect to a properly grounded outlet only. See Grounding Instructions.
- The docking station can only be used to charge the robotic vacuum cleaner equipped with a 14.4 V/6400 mAh (TYP) lithium-ion battery.

CAUTION

- Only use the product in accordance with the User Manual. Any loss or damage caused by improper use will be borne by the user.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Roborock assumes responsibility only for losses resulting from installation performed by authorized Roborock technicians, excluding losses arising from incorrect installation by other people.
- Before installing/removing the dock and its pipes, make sure the dock is disconnected from the power source.
- Old hose-sets should not be reused. Only use new pipes provided with this product or recommended by Roborock.
- Place the dock in a dry place. Keep it a distance of more than 1.2m (4 ft) from baths and shower heads or isolate it with walls or a door to prevent the dock from moisture exposure.
- Install the dock in compliance with local regulations.
- Do not move a properly installed dock.
- Do not rinse the robot and the dock.
- Do not use the product to clean hard or sharp objects (such as decoration wastes, glass, and nails) to avoid scratching the robot, the dock or the floor.
- Make sure dustbin, washable filter, dust bag, side brush, mop cloths, main brushes and main brush cover are installed in place before cleaning.
- Do not sit or stand on the robot or dock.
- To prevent corrosion or damage, do not use any disinfectant and only use cleaning solution recommended by Roborock.
- Do not put any low objects (such as shoes, mats) near raised areas like stairs. Otherwise, the robot may fall down caused by malfunctional sensors.

- To prevent water damage, make sure that the floor where the robot operates is free of water.
- Do not operate the product in a room where an infant or child is sleeping.
- Before using the product, move sundries such as wires and any unstable, fragile, precious, or dangerous items from the floor to prevent them from being pulled by the robot and causing personal injury or property damage.
- Keep hair, loose clothing, fingers, and all body parts of people and pets away from seams, openings and moving parts of the product to avoid possible injury.
- Do not carry the robot using vertical bumper, magnetic top cover, side brush or bumper. Do not move the dock by lifting the dock base or dust container door.
- Place the dock on a hard, flat floor. Keep the dock, robot, and power cord away from fire and heat sources like a heating radiator. Avoid humid and narrow spaces or locations where the robot may be suspended in the air.
- This product 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 product in a safe way and understand the hazards involved. Children shall not play with the product. Cleaning and user maintenance shall not be made by children without supervision.
- Do not dismantle, repair or modify the battery or charging dock.
- If the dock is placed in an area susceptible to thunderstorms or with unstable voltage, take protection measures.
- Do not use the product on high pile carpets. Product effectiveness may also be reduced on dark carpets.
- Do not place any object on top of the robot or dock, near the suction inlet of the dock, or cover them with any item (including dust-proof cover).
- Do not use this product on elevated surfaces without barriers such as the floor of a loft, an open-ended terrace, a slide, or top of furniture.
- Do not use the dock to pick up stones, paper scraps, or other objects that may block the air duct.
- Do not operate the product if it has been damaged in any way. Contact customer service for help.
- Always operate the device in well-ventilated areas to prevent overheating.
- Roborock disclaims all liability for indirect, punitive, incidental, or consequential damages resulting from the use, misuse, or inability to use this product. This disclaimer does not affect any statutory rights that may not be disclaimed under applicable law.
- ⚠ – To avoid burns, do not touch the clean water dispensers or drying air outlets.

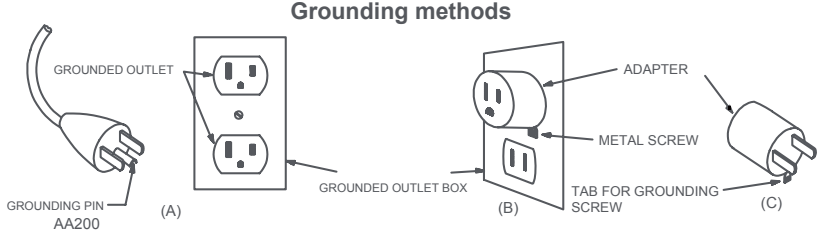
GROUNDING INSTRUCTIONS

This appliance must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment-grounding conductor and grounding plug.
The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

WARNING – Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the appliance – if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

This appliance is for use on a nominal 120-V circuit and has a grounding attachment plug that looks like the plug illustrated in sketch A in Grounding methods. Make sure that the appliance is connected to an outlet having the same configuration as the plug.
No adaptor should be used with this appliance.

Grounding methods



Battery and Charging

- Do not wipe the charging contacts with wet cloth or wet hands.
- If the product is left unused for a long period, store it in a cool, dry place after having it fully charged, unplugged, and switched off. Recharge it at least every three months to avoid battery overdischarge.
- Do not use the product when the temperature is higher than 40°C (104°F) or lower than 4°C (39°F), or if there is any liquid or sticky substance on the floor.
- Do not discard waste batteries. Leave them with a professional recycling organization.
- To transport the product, be sure to unplug the dock, switch off the robot, and drain the dock. In addition, drain and rinse the cleaning solution cartridge, leave it air dry completely, and then reinstall it. Use of the original packaging is advised.
- Be sure that the supply voltage meets the requirements listed on the dock.

International Symbols Explanation

~ – ALTERNATING CURRENT symbol [symbol IEC 60417-5032 (2009-02)]
⎓ – DIRECT CURRENT symbol [symbol IEC 60417-5031 (2009-02)]
⏚ – PROTECTIVE EARTH (Protective Ground) symbol [symbol IEC 60417-5019 (2009-02)]
⌂ – For indoor use only.

FCC/IC Statement

Compliance Information	
Product Name	Robotic Vacuum Cleaner with Charging Dock
Product Model	Robotic Vacuum Cleaner Model: S90VER Empty Wash Fill Dock: EWFD32LRR Empty Wash Fill Dock Auto: EWFD33LRR
Compliance Statement	This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference. (2) This device must accept any interference, including interference that may cause undesired operation of the device.
Correspondence of the responsible party in USA	
Company	Roborock Technology Co.
Address	ROOM 1227, 12TH FLOOR, 1000 N. WEST STREET, WILMINGTON, DE 19801
Email	support@roborock.com

A Product Overview

A1 Robot (Top View)

—Mop Only/Child Lock
- Press to start Mop Only
- Press and hold for 3 seconds to enable/disable Child Lock

—Power/Clean
- Press and hold to turn the robot on or off
- Press to start cleaning

—Power Indicator Light
- White: Battery level ⩾ 15%
- Red: Battery level < 15%
- Breathing: Charging or starting up
- Flashing red quickly: Error
- Flashing red and white alternately: Remote viewing or cruising

—Dock
- Robot not on dock: Press to start docking
- Robot on dock: Press to start emptying/Press and hold to wash the mop cloths

Note: Tap any button to pause a running robot. When the robot is cleaning under furniture or appliances, tap ⏻ and then double tap ⏻ to pause it.

A1-1—Vertical Bumper
A1-2—LiDAR Sensor
A1-3—Microphones
A1-4—Upward Sensor
A1-5—Dock Locator
A1-6—LED Fill Light
A1-7—Reactive AI Obstacle Recognition Sensor
A1-8—Wall Sensor

A2 Robot (Bottom View)

A2-1—Cliff Sensors
A2-2—Carpet Sensor
A2-3—Omnidirectional Wheel
A2-4—Side Brush
A2-5—Main Brush Cover
A2-6—Main Brushes
A2-7—Main Brush Cover Latches
A2-8—Main Wheels

A3 Robot (Top Cover Removed)

A3-1—Reset Button
A3-2—Bumper
A3-3—Dustbin
A3-4—Suction Inlet
A3-5—Magnetic Top Cover
A3-6—Voice Assistant and WiFi Indicator Light
- Flashing slowly: Waiting for connection
- Flashing quickly: Connecting
- Pulsing: Starting up or voice assistant ready

A3-7—Charging Contacts
A3-8—Air Outlets
A3-9—Communication Sensor
A3-10—Self-Filling Port
A3-11—VibraRise Module

A4 VibraRise Module

A4-1—Mop Cloth Attachment Slot
A4-2—Vibration Module
A4-3—Mop Cloth Mount Latches
A4-4—Mop Cloth Mount
A4-5—Edgewise Mopping Module

A5 VibraRise Mop Cloth

A5-1—Hook and Loop Pads

Note: Secure the mop cloth flat in place.

A6 Edgewise Mop Cloth

A7 Dustbin

A7-1—Washable Filter
A7-2—Air Inlet
A7-3—Suction Inlet
A7-4—Dustbin Lid Latch
A7-5—Dustbin Lid
A7-6—Dustbin Latch

A8 Dock Base

A9 Disposable Dust Bag

A10 Power Cord

A11 Empty Wash Fill Dock Auto

A11-1—Filter
A11-2—Drying Air Outlets
A11-3—Cleaning Tray of Edgewise Mopping Module
A11-4—Dock Base

A11-5—Water Filter
A11-6—Dock Location Beacon
A11-7—Robot Refill Port
A11-8—Charging Contacts
A11-9—Status Indicator Light
- Breathing: Emptying/Mop washing
- Red: Dock error
- Off: Powered off/Charging

A11-10—Cleaning Solution Cartridge
A11-11—Dust Bag Slot
A11-12—Dust Container Door
A11-13—Mop Washing Module
A11-13-1—High-Speed Maintenance Brush
A11-13-2—Washing Strip
A11-13-3—Clean Water Dispensers
A11-13-4—Maintenance Brush Latch
A11-14—Suction Inlet

A12 Empty Wash Fill Dock Auto (Back View)

A12-1—Power Cord Storage Slot
A12-2—Water Outlet
A12-3—Water Pipe Slot
A12-4—Power Port
A12-5—Cord Outlets
A12-6—Water Inlet

Note: Power cord can exit at either side.

A13 Installation Accessories

A13-1—Inlet Pipe (1/4" pipe) × 1
A13-2—Drainpipe (3/8" pipe) × 1
A13-3—Harness Tube × 1
A13-4—Tap Water Filter × 1
A13-5—1/4" Lock Plate × 5
A13-6—3/8" Lock Plate × 3
A13-7—Clean Water Three-Way Valve (Gasket Pre-Installed) × 1

A14 Refill and Drainage Pipes

A14-1—Tap Water Supply
A14-2—Tap Water Filter
A14-3—Clean Water Three-Way Valve
A14-4—3/8" Square Elbow
A14-5—3/8" Lock Plate
A14-6—Harness Tube
A14-7—Drainpipe (3/8" pipe)
A14-8—Floor Drain or Sewer Pipe
A14-9—Power Cord
A14-10—1/4" Lock Plate
A14-11—1/4" Square Elbow
A14-12—Snap Ring
A14-13—Inlet Pipe (1/4" pipe)

B Installation

B1 Important Information

B1-1— Tidy cords, hard or sharp objects (such as nails and glass), and loose items from the ground and move any unstable, fragile, precious, or dangerous items to prevent personal injury or property damage due to items becoming tangled in, struck by, or knocked over by the robot.

B1-2— When using the robot in a raised area (such as in a duplex apartment), always use a physical security barrier to prevent accidental falls that may result in personal injury or property damage.

Notes:
- When using the robot for the first time, follow it throughout its whole cleaning route and watch for potential problems. The robot will be able to clean by itself in future uses.
- To prevent excessive buildup of dirt on the mop cloths, floors should be vacuumed at least three times before the first mopping cycle.

B2 Check the Installation Environment

Before installation, check whether the following requirements are met and identify the water inlet, outlet, and placement location for the dock in your home:

1. The water inlet pressure range should be 0.1-0.4 MPa. If it exceeds 0.4 MPa, a pressure-reducing valve should be installed.
2. The diameter of the drainpipe outlet should be no less than 0.015 m (0.05 ft). The height difference between the highest point of the drainage pipe and the floor surface where the dock is placed should not exceed 1 m (3.28 ft), preferably not exceed 0.5 m (1.64 ft).
3. The dock should be placed against a wall on a hard, flat surface (wood/tile etc.) with good WiFi coverage and a power outlet or power strip nearby. Reserve a space of

at least 0.305 m (1.0 ft) in height, 0.42 m (1.38 ft) in width, and 1 m (3.28 ft) in depth for placing the dock, ensuring both sides and the front are free of obstructions that could impede the robot from docking and departing.

4. It is strictly prohibited to place the dock in damp, sun-exposed, or rainy environments.
5. There should be no thresholds, slide rails, or steps higher than 0.02 m (0.07 ft) between the dock and the cleaning area to prevent the robot from missing spots and getting stuck.
6. Avoid arranging pipes through doorways or corridors.

B2-1—Tap Water Supply
B2-2—Three-Prong Power Outlet
B2-3—Floor Drain or Sewer Pipe
B2-4—More than 0.305 m (1.0 ft)
B2-5—More than 1 m (3.28 ft)
B2-6—More than 0.42 m (1.38 ft)

Notes:

- Before installing, disconnect the power supply of the dock, and close the main water valve, faucet valve or angle valve. Drain pipelines, ensure they are connected without leakage, and then power on the dock.
- All installation diagrams are for reference only. The actual installation situation may vary.

B3 Install the Dock Base

B3-1—Place the dock on the reserved space and remove the foam used to secure the mop washing module in shipment at the bottom.

B3-2—Attach the dock base by pressing down both sides of the base and the connecting part in the middle firmly until you hear a click.

B4 Connect the Power Cord

Plug the power cord firmly into the dock power port, and keep the excess cord inside the storage slot.

Note: Make sure to insert the power plug all the way in. Do not connect to the power supply.

B5 Connect the Water Inlet and Outlet

B5-1—Press the snap ring at the connector against the elbow and at the same time, pull out the plugs of the water inlet and outlet in the opposite direction.

B5-2—Rotate the water inlet and outlet to directions suitable for installation. Connect one ends of the 1/4" pipe and 3/8" pipe to the corresponding positions, insert the corresponding lock plate into the slim space between the snap ring and elbow, and then snap the pipes into the slot.

Notes:

- The water inlet elbow and water outlet elbow should be rotated in different directions.
- When installing the pipes, make sure to insert them all the way in.
- Store the plugs removed from the dock and additional pipes and lock plates properly.

B6 Connect to Refill Pipeline

Make sure to close the tap water valve that supplies water to the dock. After confirming that the faucet or angle valve is closed, install the tap water filter (2) in the correct direction to the 1/2" water inlet (3) of the clean water three-way valve (7). Then, connect the 1/2" water inlet (3) and 1/2" water outlet (8) of the clean water three-way valve (7) to the water inlet pipeline. Finally, connect the other end of the cut-to-fit 1/4" pipe (10) to the 1/4" water outlet (6) of the clean water three-way valve (7) and insert the lock plate (5) into the snap ring (4).

B6-1—Tap Water Supply
B6-2—Tap Water Filter
B6-3—1/2" Water Inlet
B6-4—Snap Ring
B6-5—1/4" Lock Plate
B6-6—1/4" Water Outlet
B6-7—Clean Water Three-Way Valve
B6-8—1/2" Water Outlet
B6-9—Gasket
B6-10—Inlet Pipe (1/4" Pipe)

Notes:

- Check two connection options as the diagram shown and choose one that suits your home installation environment. If you choose the left one, remove the gasket from the clean water three-way valve and place it at the 1/2" water outlet to seal the pipeline. If you choose the right one, you can connect to your home refill pipeline without removing the gasket.
- Only connect to room temperature tap water, rather than reclaimed water or hot water.
- To prevent blockage due to impurities in tap water, keep the water running until it becomes clear before installing the clean water three-way valve.
- The tap water filter must be installed strictly following

the instructions. If installed in the reverse direction, it could be damaged.
- If the 1/2" water outlet does not need to be connected to a water pipe, use a suitable valve cap instead.
- After cutting a pipe, trim its ends to ensure each end forms a straight line rather than a curve, and then reround the ends.

B7 Connect to Drainage Pipeline

Connect the cut-to-fit 3/8" pipe to a floor drain or sewer pipe.

Notes:
- Ensure the floor drain or drainpipe outlet is unobstructed. Avoid inserting the drainpipe into a sealed chamber to prevent poor drainage.
- Ensure the connection between the drainpipe and the floor drain or sewer pipe is securely fastened.
- If other water-using equipment is connected to the same drainpipe, make sure that their drainage doesn't disrupt the dock's drainage to prevent leaks.
- If necessary, encircle the cut-to-fit harness tube around both the 1/4" and 3/8" pipes.

B8 Connect the Power Supply

After placing the dock at the location reserved, open the tap water valve and the clean water three-way valve. Ensure there are no leaks throughout the pipeline. Then, connect the power supply, and make sure the status indicator light comes on.

Notes:
- If the power cord hangs vertically to the ground, it may be caught by the robot, causing the dock to be moved or disconnected. Keep the excess cord inside the storage slot.
- The status indicator light is on when the dock is powered on, and off when the robot is charging.
- The status indicator light turns red if an error occurs.
- Place the dock on a hard, flat floor away from fire, heat, and water. Avoid narrow spaces or locations where the robot may be suspended in the air.
- Placing the dock on a soft surface (carpet/mat) may cause the dock to tilt and cause docking and departing problems.
- Keep the dock away from direct sunlight or anything that may block the dock location beacon, otherwise the robot may fail to return to the dock.
- Do not use the dock without the refill and drainage pipes, high-speed maintenance brush, disposable dust bag, cleaning tray of edgewise mopping module, cleaning solution cartridge, or water filter.
- Maintain the dock according to the Routine Maintenance. Do not clean the dock power cord or charging contacts with a wet cloth or tissue.
- All docks are subject to water-based tests before leaving the factory. It is normal that a small amount of water remains in the waterway of the dock.

B9 Powering On & Charging

Press and hold ⏻ to power on the robot. Wait until the power indicator light is steady, and then place the robot in front of the dock. Make sure that the dock is plugged in. Then, press ⌂ and the robot will automatically return to the dock for charging. The robot is equipped with a built-in high-performance lithium-ion rechargeable battery pack. To maintain battery performance, keep the robot charged.

B9-1—Dock status indicator light off, robot power indicator light breathing: Charging.

Note: The robot may not be turned on when the battery is low. In this case, place the robot to the dock for charging.

B10 Check the Refill and Drainage System

To check whether the refill and drainage system is installed successfully, press and hold ⏻ and ⌂ simultaneously for 3 seconds on the docked robot to start a self-check. During the self-check process, observe whether the dock can normally fill and drain water, and check the self-check results.

Note: The self-check of the refill and drainage system can be started in the app.

Connecting to the App

1. Download the App

Search for "Roborock" in the App Store or Google Play or scan the QR code to download and install the app.

2. Reset WiFi

Press and hold ⌂ and ⌂ simultaneously until you hear the "Resetting WiFi" voice message. The reset is complete when the voice assistant and WiFi indicator light flashes slowly. The robot will then wait for a connection.

Note: If you cannot connect to the robot due to your router configuration, a forgotten password, or any other reason, reset the WiFi and add your robot as a new device.

3. Add Device

Open the Roborock app, tap the "Add Device" or "+" button and add your device following the in-app guide.

Notes:

- The actual process may vary due to ongoing app updates. Follow the guide provided in the app.
- Only 2.4 GHz WiFi is supported.
- If the robot waits more than 5 minutes for a connection, WiFi will be automatically disabled. If you want to reconnect, reset the WiFi before proceeding.

C Instructions for Use

C1 Adding Cleaning Solution

1. Press the dust container door to open it, pull out the entire cleaning solution cartridge by its bottom handle, and then place it on a hard, flat surface.

Note: To prevent damage, do not pull the dust container door open.

2. Open the lid of the cartridge and add cleaning solution.
3. Close the lid and put the cartridge back to the dock. Press the cartridge until you hear it lock with a click.
4. Close the dust container door in place to make sure the dust container is securely sealed.

Notes:

- Make sure that the cleaning solution cartridge is entirely removed before adding cleaning solution.
- To prevent damage, do not use any disinfectant and only use cleaning solution recommended by Roborock in the solution cartridge.
- After adding, the robot will automatically add cleaning solution to the water for mop washing and robot water tank refilling according to the preset ratio to ensure optimal mopping performance.
- Cleaning solution is not included in the package. Purchase one if needed.
- If no floor cleaning solution is used daily, you may skip this step or disable Smart Cleaning Solution Filling in the app.

C2 Filling/Draining

During operation, the dock will automatically fill and drain water, and add cleaning solution.

Turning On/Off

Press and hold ⏻ to turn on the robot. The power indicator light will come on, and the robot will be on standby.
Press and hold ⏻ to turn off the robot and complete the cleaning cycle.

Note: The robot cannot be turned off when it is being charged.

Starting Cleaning

Press ⏻ to start cleaning. The robot will plan its cleaning route and in each room, it firstly draws out edges and then fills the room in a zigzag pattern. In so doing, the robot cleans all rooms one by one, thoroughly and efficiently.

Notes:

- Before cleaning, tidy cords (including the power cord of the dock) and valuables from the floor. Loose items may be dragged by the robot, resulting in the disconnection of electrical appliances or damage of cords and property.
- Before starting each cleaning task, make sure that the mop cloths have been properly installed.
- To make sure the robot returns to the dock automatically, start the robot from the dock and do not move the dock during cleaning.
- Cleaning cannot start if the battery level is too low. Allow the robot to charge before starting a cleanup.
- If the battery runs low during a cleaning cycle, the robot will automatically return to the dock. After charging, the robot will resume where it left off.
- If cleaning is completed in less than 10 minutes, the robot will clean the area twice.
- The robot will retract mop cloth mounts to clean the carpet. You can also set the carpet as a no-go zone in the app to avoid it.

Spot Cleaning

Press ⟳ and ⏻ simultaneously to start spot cleaning. Cleaning range: The robot cleans a 1.5 m (4.9 ft) × 1.5 m (4.9 ft) square area centered on itself.

Note: After spot cleaning, the robot will automatically return to the starting point and be on standby.

Mop Only

Press ⟳ to start Mop Only. The main brushes and side brush rise, the main brushes and fan stop operating, and the VibraRise module lowers.

Note: Compared with other cleaning modes, noise emanating from Mop Only is much lower.

Pause

When the robot is cleaning, tap any button to pause it. When it is cleaning under furniture or appliances, tap ⏻ and then double tap ⏻ to pause it. To resume cleaning, press ⏻. Press ⌂ on a paused robot to send it back to the dock, and press and hold ⌂ to wash the mop cloths and then resume cleaning.

Note: Placing a paused robot on the dock manually will end the current cleanup.

Sleep

If the robot is paused for over 10 minutes, it will go to sleep, and the power indicator light will flash every few seconds. Press any button to wake the robot up.

Notes:
- The robot will not go to sleep when it is charging.
- The robot will automatically shut down if left sleep for more than 12 hours.

Mop Washing

During cleaning, the robot automatically determines when it should return to the dock for mop washing and water tank refilling to maximize its mopping performance. To manually start washing, press and hold ⌂ or tap the corresponding button in the app. Press any button to stop washing.

Notes:
- To ensure the robot automatically washes the mop cloths, start it from the dock and avoid moving the dock during cleaning.
- Mop wash frequency and mode can be modified in the app.
- To avoid burns from hot water, do not touch the clean water dispensers.

Emptying

After cleaning, the robot will return to the dock and auto-emptying will begin as needed. To manually start emptying, press ⌂ on the docked robot or tap the corresponding button in the app. Press any button to stop emptying.

Notes:
- When emptying has been left unused for a long period, empty the dustbin manually and make sure the air inlet is clear for optimal emptying performance.
- Auto-emptying can be disabled in the app.
- Avoid frequent manual emptying.
- Do not use without dust container door closed or disposable dust bag installed in place.

Drying

After mop washing or after cleaning, drying will begin as needed. To manually start or stop drying, tap the corresponding button in the app.

Notes:
- Stay away from the drying air outlets during drying.
- Drying duration can be modified in the app.
- Auto-drying can be disabled in the app.

Charging

After cleaning, the robot will automatically return to the dock to charge. Press ⌂ to send the paused robot back to the dock. The power indicator light will breathe during robot charging.

Note: If the robot fails to find the dock, it will automatically return to its starting position. Place the robot on the dock manually to recharge.

DND Mode

The default Do Not Disturb (DND) period is from 22:00 to 08:00. You can use the app to disable the DND mode or modify the DND period, or set whether to enable auto top-up, emptying and drying, to dim indicator lights, or lower the volume of the voice message during the DND period.

Child Lock

Press and hold ⌂ to enable/disable Child Lock. You can also set it in the app. Once enabled, the robot will not react to button presses when it is stationary. When the robot is cleaning or docking, tap any button to pause it. When it is doing so under furniture or appliances, tap ⏻ and then double tap ⏻ to pause it.

Error

If an error occurs, the power indicator light will flash red or status indicator light will be steady red. A pop-up notification will appear in the app and a voice alert may sound.

Notes:
- The robot will go to sleep automatically if left in a malfunctioning state for over 10 minutes.
- Placing a malfunctioning robot on the dock manually will end the current cleanup.

Resetting the System

If the robot does not respond when a button is pressed or cannot be turned off, reset the system by removing the magnetic top cover and pressing the Reset button.

Note: After resetting the system, existing settings such as scheduled cleaning and WiFi will be restored to factory settings.

Restoring Factory Settings

If the robot does not function properly after a system reset, power it on. Press and hold ⌂ and at the same time, press the Reset button until you hear the “Restoring factory

settings. This will take about 5 minutes." voice message. The robot will then be restored to factory settings.

D Routine Maintenance

Notes:
- The product must be switched off and the plug must be removed from socket outlet before cleaning or maintaining the product.
- The frequency of replacement may vary with the actual situation. If abnormal wear occurs, replace the parts immediately.

D1 Main Brushes

*** Clean every 2 weeks and replace every 6-12 months.**

D1-1—Main Brush Cover
D1-2—Main Brush Cover Latches
D1-3—Main Brushes
D1-4—Main Brush Bearings

D1-5—Turn over the robot and press the two latches inwards to remove the main brush cover.

D1-6—Lift the main brushes, pull them out, and remove main brush bearings. Remove any entangled hair or dirt at both ends of the main brushes and bearings.

D1-7—Reinstall the main brush bearings. And then, reinstall the main brushes and make sure the color of the main brush, main brush bearing and the arrow on the robot match.

D1-8—Reinstall the main brush cover. Make sure its four teeth are fully seated in the slots, and press the main brush cover until you hear it lock with a click.

Notes:
- It is recommended to wipe the main brushes with a wet cloth. If the main brushes are wet, air-dry them away from direct sunlight.
- Do not use corrosive cleaning fluid or disinfectant to clean the main brushes.

D2 Side Brush

*** Clean monthly and replace every 3-6 months.**

Unscrew the side brush screw. Remove and clean the side brush. Then, align the central groove with the raised position on the robot and tighten the screw to reinstall the side brush.

D3 Omnidirectional Wheel

*** Clean as required.**

D3-1—Use a tool, such as a small screwdriver, to pry out the axle and take out the wheel.

Note: The omnidirectional wheel bracket cannot be removed.

D3-2—Rinse the wheel and the axle with water to remove any hair and dirt. Air-dry, reinstall, and press the wheel and axle back in place.

D4 Main Wheels

*** Clean as required.**

Clean the main wheels with a soft, dry cloth.

D5 Dustbin

*** Clean as required.**

D5-1—Remove the magnetic top cover of the robot and pinch the dustbin latch to take out the dustbin.

D5-2—Pinch the dustbin lid latch to open it and remove the washable filter, then empty the dustbin.

D5-3—Fill the dustbin with clean water, reinstall the washable filter and close the dustbin lid. Gently shake the dustbin, and then pour out the dirty water.

Note: To prevent blockage, only use clean water without any cleaning liquid.

D5-4—Allow at least 24 hours for the dustbin and washable filter to dry thoroughly before reinstalling them.

D6 Washable Filter

*** Clean every 2 weeks and replace every 6-12 months.**

D6-1—Pinch the dustbin lid latch to open it and remove the washable filter.

D6-2—Rinse the filter repeatedly and tap it to remove as much dirt as possible.

Note: Do not touch the surface of the filter with hands, brushes, or hard objects to avoid potential damage.

D6-3—Allow at least 24 hours for the filter to dry thoroughly before reinstalling it.

D7 Edgewise Mop Cloth

*** Clean as required and replace every 3-6 months.**

D7-1—Unscrew the screw in the middle of the mop cloth. Wash the mop cloth and air-dry it.

Note: A dirty mop cloth will affect the mopping performance. Clean it before use.

D7-2—Reinstall the mop cloth and tighten the screw.

D8 VibraRise Mop Cloth

*** Clean as required and replace every 3-6 months.**

D8-1—Remove the mop cloth from the mop cloth mount. Clean the mop cloth and air-dry it.

Note: A dirty mop cloth will affect the mopping performance. Clean it before use.

D8-2—Slide the mop cloth in from the opening of the attachment slot, and then stick it flat in place.

D9 Robot Sensors

*** Clean as required.**

Use a soft, dry cloth to wipe and clean all sensors, including:

D9-1—Upward Sensor
D9-2—Dock Locator
D9-3—Reactive AI Obstacle Recognition Sensor
D9-4—Wall Sensor
D9-5—Communication Sensor
D9-6—Cliff Sensors
D9-7—Carpet Sensor

D10 Charging Contacts

*** Clean as required.**

Use a soft, dry cloth to wipe the charging contacts on the robot and the dock.

D11 Moving the Dock

To move the dock, grip the power cord storage slot on the back with one hand and the inner side of the front board with the other hand. Do not lift the dock base, or dust container door directly to prevent the dock from falling off.

D12 High-Speed Maintenance Brush

*** Clean as required and replace every 6-12 months.**

Lift the high-speed maintenance brush latch and remove the brush. Remove any entangled objects in the high-speed maintenance brush and rinse it clean. Reinstall the brush and latch it in place.

D13 Water Filter

*** Clean as required.**

Pull out the water filter by its latch. Rinse it with water, use a soft, dry cloth to wipe the cleaning sink, and then reinstall the filter. Press down the filter until you hear it lock with a click.

D14 Cleaning Tray of Edgewise Mopping Module

*** Clean as required.**

D14-1— Remove the cleaning tray.
D14-2— Rinse the cleaning tray with water.
D14-3— Reinstall the cleaning tray.

D15 Replacing Disposable Dust Bag

*** Replace as required.**

D15-1— Press the dust container door to open it.

Note: To prevent damage, do not pull the door open.

D15-2— Remove the disposable dust bag and discard it.

Notes:

- The dust bag handle seals the bag on removal to prevent leakage.
- Always install a dust bag before closing the dust container door to avoid auto-emptying without the bag. You can also disable auto-emptying in the app.

D15-3— Clean the filter with a dry cloth, insert a new disposable dust bag into the slot all the way in, and spread it evenly.

Note: Make sure the disposable dust bag is properly installed to avoid waste escaping and damaging the dock.

D15-4—Close the dust container door to make sure the dust container is securely sealed.

D16 Removing Water Pipes

D16-1—Disconnect the power and water supply. Pull out the lock plate at the connection.

D16-2—Hold the snap ring at the connection to remove the two pipes one by one.

Notes:

- When disconnecting the water pipes, use a container to capture the flowing water and avoid wetting the floor.
- Avoid forcibly pulling out the water pipes, or the product may be damaged.

Draining the Remaining Water

To transport or mail the product, empty the remaining fluid in the dock using the app. At the same time, empty and rinse the cleaning solution cartridge, leave it to air

dry completely and then reinstall it.

Environmental Protection Information

Removing the battery

*** The following information applies only when disposing of the robot and should not be followed for day-to-day operations.**

The chemical substances contained in the built-in lithium-ion battery of this product can cause environmental pollution. Remove the battery before disposing of this product and hand it to a professional battery recycling facility for centralized disposal.

How to remove the battery:

1. Operate the robot without connecting to the dock until it runs out of battery.
2. Turn off the robot.
3. Unscrew the battery cover.
4. Remove the battery cover.
5. Press the latch to pull out the battery connector and remove the battery.

Notes:

- Before removing the battery, make sure it is fully drained and the robot is disconnected from the dock.
- Remove the entire battery pack. Avoid damaging the battery pack casing to avoid short-circuits or leakage of hazardous substances.
- In the event of accidental contact with battery fluid, rinse thoroughly with water and seek immediate medical care.

Basic Parameters

Robot

Model	S90VER
Battery	14.4 V/6400 mAh (TYP) lithium-ion battery
Rated Input	20 V⎓2.5 A

Note: The serial number is on a sticker on the underside of the robot.

Empty Wash Fill Dock Auto

Model	EWFD33LRR
Rated Input Voltage	120 V~
Rated Frequency	60 Hz
Rated Input (Dust collection)	6 A
Rated Input (Hot-water mop washing)	12 A
Rated Input (Charging & drying)	1.5 A
Rated Output	20 V⎓2.5 A
Maximum Water Inlet Pressure	0.4 MPa
Minimum Water Inlet Pressure	0.1 MPa

Common Issues

Issue	Solution
Unable to power on	• Battery low. Put the robot on the dock and charge it before use. • Battery temperature too low or too high. Only use the robot within the range of 4-40°C (39-104°F).
Unable to charge	• Dock not connected to power. Check whether both ends of the power cord are properly connected. • Poor contact. Clean the charging contacts of the dock and the robot. • Check that the status indicator light is on.
Slow charging	• When used at high or low temperatures, the robot will automatically reduce its charging speed to extend battery life. • Charging contacts dirty. Wipe them with a dry cloth.
Unable to return to dock	• Too many obstacles near the dock. Clear them up. • Robot too far from the dock. Place it closer and retry.
Abnormal behavior	• Restart the robot.
Noise during cleaning	• The main brushes, side brush, or main wheels may be jammed. Turn off the robot and clean them. • The omnidirectional wheel may be jammed. Use a screwdriver to remove it for cleaning. • VibraRise module abnormal. Check that the module is installed properly or if any objects are jammed.
Unable to connect to WiFi	• WiFi disabled. Reset the WiFi and try again. • Poor WiFi signal. Move the robot to an area with better WiFi. • Abnormal WiFi connection. Reset the WiFi, download the latest app version and retry. • Unable to connect to WiFi abruptly. There may be an error with your router settings. Contact Roborock customer service for help with troubleshooting.
Is power always being drawn when the robot is on the dock?	• The robot will draw power while it is docked to maintain battery performance, but the power consumption is extremely low.

Issue	Solution
Does the robot need to be charged for at least 16 hours for the first three uses?	• No. Lithium-ion batteries have no memory effect. The robot can be used once fully charged.
The robot does not resume cleaning after recharging	• Make sure that the robot is not in DND mode. DND mode will prevent auto top-up. • If the robot is placed manually on the dock or sent to dock by pressing buttons, it will not be able to resume cleaning.
The robot begins to miss certain spots	• The wall sensor, cliff sensors, or carpet sensor may be dirty. Clean them with a soft, dry cloth.
Poor cleaning performance and/or dust leakage	• The dustbin is full and needs emptying. • The filter is blocked and needs cleaning. • The main brushes are tangled up. Clean the main brushes.
No or little water during mopping	• Use the mobile app to increase the water flow.
The robot cannot return to the charging dock after spot cleaning or when it has been moved manually	• After spot cleaning or a significant position change, the robot will re-generate the map. If the charging dock is too far away, it may not be able to return to recharge and must be placed on the charging dock manually.
Scheduled cleaning is not working	• Keep the robot charged. Scheduled cleaning can only begin when the battery level is above 15%.
The status indicator light is steady red	• Voltage error. Check that the local voltage meets the requirements listed on the dock. • The refill and drainage pipes are not installed or not properly installed. • Check that the water filter of the cleaning sink is properly installed.
Reduced emptying performance or unusual noise when emptying	• The main brushes or main brush cover is not properly installed. Check and install in place. • The filter, air duct, disposable dust bag, suction inlet, air inlet, or dustbin is blocked. Clean to remove blockages.

Issue	Solution
Voice alert Error 42 occurs and the maintenance brush module stops at one side of the cleaning sink	• If the brush module stops at the left side, it may be jammed. Remove any items jamming it. • If the brush module stops at the right side, the water filter may be blocked or is not installed in place. Clean and install in place.
Reduced mop washing performance	• The mop cloths are not attached properly. Stick them on the mounts flat in place. • The floor is dirty. Change the mop washing mode to “Deep” in the app for better cleaning.
Unable to auto-empty	• Auto-emptying is disabled. Check in-app settings. • The dust container door is not closed. Check and close it. • Auto-emptying will not be triggered if the robot returns to the dock without cleaning. • The robot will not auto-empty after returning to the dock in DND mode. Adjust the cleaning time or DND period, or start emptying manually. • Auto-emptying will not be triggered if the robot is moved to the dock manually. Start emptying manually.
Unable to wash the mop cloths	• The mop cloths will not be washed if not used. • If the robot does not start from the dock or no dock is found on the app map, it will not return to the dock for mop washing. • The refill and drainage pipes are not installed or not properly installed. • Check that the water filter of the cleaning sink is properly installed.
Unable to start auto-drying	• Auto-drying is disabled. Check in-app settings. • If the robot departs the dock during drying, the drying will end in advance. • In a humid environment, it is recommended to extend the drying duration in the app to improve the drying performance.
Unable to wash the mop cloths with hot water	• Check that Washing Water Temperature is set to Hot Water in the app.
The side brush is unable to extend	• Check that the FlexiArm Design Extended Cleaning feature is enabled in the app. • The side brush does not extend for every corner or every time when the robot cleans along the wall. • Check whether the side brush is jammed.

Issue	Solution
The edgewise mopping module is unable to rotate	• Check whether the edgewise mopping module is jammed.
The LiDAR sensor is unable to raise/lower itself	• The LiDAR sensor lowers itself only when the robot cleans under furniture or appliances. • Check if any objects are stuck around the LiDAR sensor. • Wipe the upward sensor.
Unable to automatically detach/reinstall the mop cloth mount	• Check that the Auto-Detach/Reinstall Mop Cloth Mounts feature is enabled in the app. • The Auto-Detach/Reinstall Mop Cloth Mounts feature is applicable only under specific conditions. • Check if the mop cloth mount is jammed. • Check that the mop cloth mount is properly installed on the robot. • Check if any objects are in the cleaning sink.