Roborock H60 Hub

Cordless Stick Vacuum Cleaner User Manual

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

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Safety Information

IMPORTANT SAFETY INSTRUCTIONS

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

- READ ALL INSTRUCTIONS BEFORE USING (THIS APPLIANCE).
- Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

WARNING

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

- Do not use outdoors or on wet surfaces. Store indoors. Use indoor only.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children, pets or plants.
- Use only manufacturer's recommended attachments.
- Do not use with damaged cord or plug. If appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.
- Do not pull or carry by cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Do not handle power supply, including power supply plug, and power supply terminals with wet hands.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
- Do not immerse.
- Brush may start unexpectedly. To reduce the risk of injury from moving parts, disconnect battery pack before cleaning or servicing.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Use extra care when cleaning on stairs.
- Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not use without dust bag.
- Prevent unintentional starting. Ensure the switch is in the off-position before picking up or carrying the appliance. Carrying the appliance with your finger on the switch or energizing appliance that have the switch on invites accidents.
- Recharge only with the power supply specified by the manufacturer. A power supply that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- Use appliances only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.

- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
- Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- Do not expose a battery pack or appliance to fire or excessive temperature. Exposure to fire or temperature above 130°C (265 °F) may cause explosion.
- Follow all charging instructions and do not charge the battery pack or appliance outside of the temperature range specified in the instructions. Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
- Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.
- Do not modify or attempt to repair the appliance or the battery pack except as indicated in the instructions for use and care.
- Always turn off this appliance before connecting or disconnecting motorized nozzle.
- Do not operate the product when neither dust bag nor multi-cyclone assembly is in place.
- Please do not use the product when the temperature is higher than 40°C (104°F) or lower than 4°C (39°F) , or there is any liquid or sticky substance on the floor.
- Turn off all controls before unplugging.
- 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 vacuum cords or other cables to avoid danger.
- Only use the product in accordance with the User Manual. Any loss or damage caused by improper use will be borne by the user.
- Roborock and its retailers disclaim 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.

SAVE THESE INSTRUCTIONS

Household use only.

Battery and Charging

- To reduce the risk of electric shock, this appliance has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.
- Please keep the power supply and charging dock away from heat (such as heating plates).
- The battery must be removed from the appliance before it is scrapped.

- The appliance must be disconnected from the supply mains when removing the battery.
- The battery is to be disposed of safely. Please do not discard waste batteries. Leave them to a professional recycling organization.
- Do not wipe or clean the power supply or charging dock charging contacts with a piece of wet cloth or wet hands.
- Please make sure the cleaner is powered off in shipment and original packaging is advised.
- If left unused for a long period, please store the cleaner in a cool and dry place after having it fully charged and switched off. Charge it at least every three months to avoid the battery being over discharged.

Battery pack charging temperature		4°C ~ 40°C (39 ~ 104°F)
Battery pack using temperature		4°C ~ 40°C (39 ~ 104°F)
Battery pack storage temperature	Long Storage (3 months)	-20°C ~ 45°C (-4 ~ 113°F)
	Long Storage (6 months)	-20°C ~ 20°C (-4 ~ 68°F)

International Symbols Explanation

⏻ – ON-OFF (push-push) symbol
⁓ – ALTERNATING CURRENT symbol
⎓ – DIRECT CURRENT symbol
⌂ – For indoor use only.

FCC Statement

Compliance Information	
Product Name	Cordless Stick Vacuum Cleaner and Accessories
Product Model	Cordless Stick Vacuum Cleaner Model: H9A3A Auto-Empty Dock Model: MDS19LRR
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.
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

Warning

Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in 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.

—Consult the dealer or an experienced radio/TV technician for help.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

IC Statement

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, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

A Product Introduction

A1 Vacuum Cleaner

⇦ —Switch Mode

⏻ —Power

A1-1—Screen

A1-2—Main Unit

A1-3—Dust Bin

A1-4—Dust Evacuation Port

A1-5—Dust Bin Release Button

A1-6—Multi-Surface Brush

A1-7—Battery Status Indicator

A1-8—Anti-Static Point

A1-9—Battery Pack Release Button

A1-10—Charging Contacts

A1-11—Telescopic Wand Release Button

A1-12—Telescopic Wand Extension Component

A1-13—Telescopic Wand

A1-14—Multi-Surface Brush Release Button

A2 Motorized Mini-Brush

A3 2-in-1 Cleaning Head

A4 Disposable Dust Bag

A5 Multi-Surface Brush

A6 Telescopic Wand

A7 Accessory Holder

A8 Dock Duct

A9 Auto-Empty Dock

A9-1—Motorized Mini-Brush

A9-2—Accessory Holder

A9-3—Dust Evacuation Button

Start/Stop dust evacuation

Dust Evacuation Indicator

White: Wait for orders

Flash white once: Ready to evacuate dust

Flash orange: Dust bag full

A9-4—Power Cord

A9-5—Dust Evacuation Port

A9-6—Charging Contacts

A9-7—2-in-1 Cleaning Head

A9-8—Dock Lid

A9-9—Dust Bag

Notes:

- Press and hold the Dust Evacuation button for 3 seconds to switch between automatic dust evacuation mode and manual dust evacuation mode.
- Ensure a dust bag is in place before installing the dock lid, or the lid cannot be properly installed.

B Installation

B1 Cleaner Heads

B2 Main Unit, Accessory Holder, and Auto-Empty Dock

B2-1—Fit the dock duct in the auto-empty dock as shown.

B2-2—Mount the accessory holder on the dock duct.

B2-3—Store the accessories in the accessory holder. Then, push the main unit on the dock in a downward motion as shown until it clicks into place.

Notes:

- Extend the telescopic wand when using the main unit, and retract the wand when placing it on the auto-empty dock.
- In automatic dust evacuation mode, the dust evacuation process will begin once the machine is placed back on the dock. Choose your preferred mode as needed.
- When the dust bag is full, replace it in time.

C Instructions for Use

C1 Charging

C1-1—The vacuum cleaner supports charging with the auto-empty dock.

Notes:

- Fully charge your machine before your first use.
- The battery temperature will be high after continuous use in MAX mode. A full charge at this time may take longer. It is recommended to cool down the main unit for 30 minutes before charging.
- Your machine cannot be started while charging.
- Place your machine back on the dock when not in use.
- Choose the suitable opening for your power cord as needed.

C1-2—Battery Status Indicator

Status	Item	Battery Status Indicator
Discharging	Battery Level	Battery level 100~67%: LED1, LED2, and LED3 in solid white Battery level 66~34%: LED1 and LED2 in solid white, LED3 off Battery level 33~10%: LED1 in solid white, LED2 and LED3 off Battery level 9~0%: LED1 flashing white at 1Hz, LED2 and LED3 off
	Battery Pack Error	LED2 flashing red at 1Hz and turning off after 15 seconds
Charging	Battery Level	Battery level 0~33%: LED1 flashing white at 0.5Hz, LED2 and LED3 off Battery level 34~66%: LED1 in solid white, LED2 flashing white at 0.5Hz, LED3 off Battery level 67~100%: LED1 and LED2 in solid white, LED3 flashing white at 0.5Hz Full battery: LED1, LED2 and LED3 in solid white and turning off after 2 minutes
	Battery Pack Error	LED2 flashing red at 1Hz and turning off after 15 seconds

C2 Screen

When charging, the screen shows the battery level. When 100 appears, charging is complete.

Note: The MED mode is used by default every time the vacuum cleaner is turned on.

C2-1—Current mode (three suction modes)

C2-2—Airway obstructed error

C2-3—Power button

C2-4—Battery level

Error alerts: Error icon steady on, error code in the middle flashing at 1Hz, and the screen turning off after 15 seconds.
E1-Main motor error
E2-Cleaner head error
E3-Battery pack error
E4-Charging error

C2-5—Switch Mode button

C2-6—Battery icon

Full charge: Icon steady on, battery level 100, screen turning off after 2 minutes.
Charging: Icon flashing, digital display of battery level, screen turning off after 2 minutes.

C2-7—Cleaner head blocked error

C2-8—Suction mode display

C2-8-1—ECO mode

C2-8-2—MED mode

C2-8-3—MAX mode

C3 Start Cleaning

To start vacuuming, press ⏻. The screen will turn on. By default, the MED mode is used.

Note: To stop vacuuming, press ⏻.

C4 Auto-Empty Dock

C4-1—Position your dock near an outlet and plug the power cord into the outlet.

C4-2—Align the dust evacuation port of the main unit with that of the dock and push the main unit on the dock in a downward motion until it clicks into place.

C4-3—In manual dust evacuation mode, to start dust evacuation, press the dust evacuation button.

Notes:

- If the dust bag is full or the airway is obstructed during dust evacuation, the process will stop immediately. Meanwhile, the dock cannot evacuate dust again.
- If the dust bin is full, perform dust evacuation multiple times to improve cleaning effect.

Precautions

1. When using the multi-surface brush or motorized mini-brush, the surfaces of some fabrics may become fuzzy or exhibit resistance. In this case, it is recommended to use the 2-in-1 cleaning head.
2. Before vacuuming polished surfaces (shiny wooden flooring or glazed tiles), check if there are foreign objects in the cleaner head to avoid scratching the floor.
3. Before using the vacuum cleaner, ensure the dust bin, multi-cyclone assembly, front filter, and filter cartridge are properly installed.
4. Do not block the exhaust vent when vacuuming.
5. For fine dust like flour and construction dust, the vacuum cleaner can be used only if the amount of dust is small.
6. To prevent damage to the vacuum cleaner and the floor, do not use the vacuum cleaner to suck up sharp objects, small toys, pins, paper clips, etc.
7. Pay attention to personal safety when cleaning dangerous areas such as stairs and windows.
8. To prevent damage caused by the machine falling or tipping over, do not place it on high places such as desks and chairs or lean it against other objects.
9. The movement of the multi-surface brush may result in an unevenly polished floor. To remedy this, the floor can be wiped with a damp cloth and polished with floor wax.

Auto Shutoff

1. If any of the spinning parts become stuck, the product may power off automatically. Clear the objects stuck in the parts and retry.
2. When the cleaner head motor gets too hot, it will automatically power off. Please wait until the temperature returns to normal before resuming use.

Clearing Foreign Objects

1. If any electric cleaner head gets clogged with large objects or tangled with much hair, the roller may stop working. In such cases, prompt clearing is required.
2. To prevent accidentally turning the machine on and causing injuries, detach the cleaner head from the main unit before cleaning it.
3. An alert will appear during dust evacuation if the dust bag is full. Meanwhile, dust evacuation will stop. Replace the dust bag in time.

Notes:

- Be aware of sharp objects when clearing a roller.
- If tangled objects cannot be cleared, refer to the Routine Maintenance section to remove the roller for cleaning.

C5 Usage Scenarios of Cleaner Heads

C5-1—2-in-1 Cleaning Head

Suitable for cleaning dust in narrow spaces such as door/window/wall corners, stairs, as well as dust on sofas and tabletops.

C5-2—Motorized Mini-Brush

Suitable for cleaning dust on the surface of textile materials such as beds and curtains.

Note: To prevent scratching the fabric surface, do not use the motorized mini-brush on leather, leathaire, or silk materials.

C5-3—Multi-Surface Brush

Suitable for cleaning tiles, floors, and low-pile carpets (2 cm/0.79 in or less).

C5-3-1—Particle Control Flap
C5-3-2—Slider Button

Note: The multi-surface brush has a slider button to lower or lift the particle control flap. To vacuum small debris, push the slider button to the left. To vacuum large debris, push the slider button to the right.

D Routine Maintenance

Notes:

- The frequency of replacement may vary with the actual situation. If abnormal wear occurs, replace the parts immediately.
- If one of the parts including filter cartridge, front filter, telescopic wand, and cleaner head is blocked, the main unit will turn on and off several times and then stop operating until the blockage has been cleared.
- Disconnect your machine from the outlet before looking for blockages. Be careful not to touch the Power button.

Main Unit

Use a soft and dry cloth to wipe the main unit. Do not rinse it. Disconnect the power before cleaning.

D1 Dust Bin

*Clean at least once every 4-6 months.

D1-1—Press the dust bin release button and remove the dust bin from the main unit. Then, twist the multi-cyclone assembly and pull it out.

D1-2—Rinse the dust bin thoroughly. Then, leave it to dry completely for at least 24 hours.

Notes:

- Empty the dust bin as soon as the dirt reaches the MAX level. Using your machine when the dirt is above the MAX line may affect the performance.
- Do not rinse the main unit or auto-empty dock to avoid damaging the electrical components inside.
- Clean the dust bin as needed.

D2 Filter Cartridge Module

*Clean every 4-6 months.

D2-1—Remove the dust bin as shown.

D2-2—Remove the module from the main unit as shown.

D2-3—Twist the filter cartridge and pull it out. Rotate it 360° while washing it. If necessary, tap it gently to remove any loose dust and debris.

D2-4—Leave it to dry completely for at least 24 hours.

Notes:

- Wash the filter cartridge with running water and do not use any detergent to prevent blockages.
- Do not clean the filter cartridge with brushes or fingers.

D3 Replacing the Dust Bag

When the dust bag is full, the dust evacuation indicator will flash orange. In that case, replace the dust bag with a new one.

D3-1—Remove the dock lid from the auto-empty dock.

D3-2—Pull out the dust bag by its handle and discard the dust bag.

D3-3—Slide the handle of a new dust bag into the slot all the way as shown.

D3-4—Reinstall the dock lid and ensure the auto-empty dock is securely sealed.

Note: Ensure a dust bag is in place before installing the dock lid, or the lid cannot be properly installed.

D4 High-Efficiency Foam Filter

D4-1—Remove the dock lid and then the dust bag from the auto-empty dock.

D4-2—Detach the high-efficiency foam filter from the bottom inside the dock.

D4-3—Rinse the foam filter with tap water. Leave it to dry completely for at least 24 hours and then reinstall it.

D5 Replacing the Battery Pack

The rechargeable lithium-ion battery pack in this product is detachable and consumable. When the battery reaches the end of its life, its runtime will become short even after being properly charged.

D5-1—Press and hold the battery pack release button and slide the battery forward to remove it.

D5-2—Install a new battery pack.

D6 Multi-Surface Brush Roller

To maintain optimum performance, check your cleaning head roller regularly and clear any obstructions. To prevent injuries, make sure the cleaner head is detached from the main unit and take care not to touch ⏻.

Notes:

- The cleaner head roller must be removed for separate cleaning.
- There are electrical components in the motorized mini-brush and multi-surface brush and bearings in the multi-surface brush roller. Do not wash them with water.

D6-1—Place the cleaner head as shown. Grab the tab on the end cap and rotate counterclockwise to the unlock position.

D6-2—Slide your end cap and roller out of the cleaner head.

D6-3—Clear any debris from the end cap and roller.

D6-4—Push the end cap back on to the roller.

D6-5—Slide the roller back into the cleaner head and turn the tab clockwise until it clicks into place.

D7 Motorized Mini-Brush Roller

D7-1—Rotate the end cap counterclockwise to the unlock position to remove it.

D7-2—Slide the roller out of the cleaner head.

D7-3—Rinse the roller and clear any debris from the roller.

D7-4—Stand the roller and leave it to dry completely for at least 24 hours.

D7-5—Reinstall the roller and the end cap.

D7-6—Turn the end cap into the locked position.

Basic Parameters

Vacuum Cleaner

Model	H9A3A
Rated Voltage/ Current	21.6 V ⎓ 15.3 A
Battery	21.6 V/2500 mAh (TYP) Lithium-ion battery
Battery Model	PF061ULK

Auto-Empty Dock

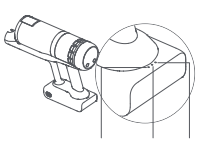
Model	MDS19LRR
Rated Input (Charging)	120 V~ 60 Hz 0.35 A
Rated Input (Dust evacuation & charging)	120 V~ 60 Hz 5.5 A
Rated Output	26 V ⎓ 0.8 A
Charging Battery	21.6 V/2500 mAh (TYP) Lithium-ion battery

Common Issues

The machine may stop working when an anomaly occurs. Refer to the table below. If the issue persists, contact customer service for repair.

Issue	Solution
An electric cleaner head cannot rotate	• The motor of the cleaner head may trigger the over-temperature protection. Wait until the temperature returns to normal before use. • The power contacts of the cleaner head may be dirty. Wipe them with a soft, dry cloth and try again.
Reduced suction power	• The dust bin is full or the filter cartridge is clogged. Use the machine after cleaning them. • The cleaner head is clogged. Remove any blockages from it.
The battery status indicator does not display when charging	• The battery may be fully charged and go to sleep.
Slow charging	• The vacuum cleaner will automatically reduce its charging speed if the ambient temperate is too high or too low. This is designed to extend the battery lifespan. Wait until the temperature returns to normal before charging.

Troubleshooting



Battery Status Indicator	Possible Cause	Solution
LED2 flashing red quickly during use	Airway obstructed	Check if the dust bin, telescopic wand, or cleaner head is clogged and clear any foreign objects.
	Cleaner head blocked	Clear any foreign objects entangled in the cleaner head.
LED1 flashing white during use	Low battery level	Charge the machine before use.

Error

If an error occurs during use, an alert will appear on the screen. Refer to the table below to maintain normal machine performance.

Icon	Status	Error	Solution
	Flashing orange	Airway obstructed	Check if the dust bin, telescopic wand, or cleaner head is clogged. Check if the filter cartridge or front filter is clogged with dust buildup.
	Flashing orange	Roller blocked	Refer to the Routine Maintenance section to clear any debris and hair from the roller.

If an error code appears on the screen, contact the after-sales service team for repair.

Environmental Protection Description

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 battery recycling facility for disposal.

Note: The following procedures are only applicable when disposing of this product.

Removing the Battery

Fully drain the battery, press the battery pack release button to remove the battery, and then hand it to a battery recycling facility.

Notes:

- Before removing the battery, make sure that it is fully drained. Do not attempt to remove the battery if the power cord is plugged in.
- Remove the entire battery pack. Avoid damaging the battery pack casing to avoid a short circuit or leakage of hazardous substances.
- If you come into contact with battery leakage, rinse thoroughly with plenty of water and seek medical attention.