



# **Roborock Q5 Pro+**

## **Robotic 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

## Restrictions

- Do not use this product on elevated surfaces without barriers such as the floor of a loft, an open-ended terrace, or on top of furniture.
- To prevent blocking the product and to avoid damage to valuables, remove lightweight items (such as plastic bags) and fragile objects (such as vases) from the floor before cleaning.
- Do not place any object (including children and pets) on the product, whether it is in operation or not.
- Do not use the product on burning objects (such as cigarette butts).
- Do not use the product to clean hard or sharp objects (such as decoration wastes, glass and nails).
- Do not use the mopping module on carpets.
- The product must be switched off and the plug must be removed from the socket outlet when not in use, before cleaning or maintaining the product.
- Do not place any object near the suction inlet of the dock.
- Do not put fingers into the seam of the dock to avoid possible injury.
- Do not operate the product in a room where an infant or child is sleeping.
- Do not carry the product using a dock base or dustbin.
- Make sure the robot is compatible with the dock, otherwise emptying or charging may fail.
- Do not use the dock to pick up stones, paper scraps, or other objects that may block the air duct. If the air duct gets blocked, clean it immediately.
- Place the dock on a flat floor away from fire, heat, and water. Avoid narrow spaces or locations where the robot may be suspended in air.
- Do not place any object (including children and pets) on the dock or cover it with any item (including dust-proof cover), whether it is in operation or not.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ash.
- Do not use the dock to pick up flammable or explosive objects such as fire lighter, gasoline, and toner used in printers or copiers.

# Safety Information

## Battery and Charging

### WARNING

- For the purposes of recharging the battery, only use the detachable supply unit roborock CDZ12RR, CDZ20RR, AED06HRR or AED07HRR provided with this product.
- If placing the robot into storage, charge it fully and turn it off before placing it in a cool dry place. Recharge it at least every three months to prevent the battery over discharging.
- In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- Be sure that the supply voltage meets the requirements listed on the dock.
- Only use the power cable provided with the product to prevent potential smoke, heat or fire.
- Do not use the product with any type of power adapter, as this may cause danger and void the warranty.
- If the dock is placed in an area susceptible to thunderstorms or with unstable voltage, take protection measures.
- Unplug the power cable before placing the dock into storage.

# A Product Overview

## A1 Robot (Top View)



### Power/Clean

- Press and hold to turn the robot on or off
- Press to start cleaning

### Power Indicator

- White: Battery level  $\geq 20\%$
- Red: Battery level  $< 20\%$
- Breathing: Charging or starting up
- Flashing red: Error

### WiFi Indicator Light

- Flashing blue slowly: Waiting for connection
- Flashing blue quickly: Connecting
- Steady blue for five seconds: WiFi connected



### Spot Clean/Child Lock

- Press to spot clean
- Press and hold for 3 seconds to turn on/off the child lock



### Dock

- Press to return to dock/start emptying

**Note:** Press any button to stop the robot during cleaning or docking.

A1-1—Vertical Bumper

A1-2—LiDAR Sensor

A1-3—Wall Sensor

A1-4—Dock Locator

A1-5—Bumper

## A2 Robot (Bottom View)

A2-1—Cliff Sensors

A2-2—Omnidirectional Wheel

A2-3—Charging Contacts

A2-4—Side Brush

A2-5—Main Brushes

A2-6—Main Brush Cover

A2-7—Main Wheels

## A3 Robot (Dustbin Removed)

A3-1—Reset Button

A3-2—Air Inlet

A3-3—Air Outlet

A3-4—Mopping Module

## A4 Dustbin

A4-1—Dustbin Latch

A4-2—Washable Filter

A4-3—Air Inlet

## A5 Power Cable

## A6 Adjustable Water Tank

A6-1—Water Tank Stopper

A6-2—Water Tank Latches

A6-3—Filter Components

A6-4—Flow Control

## A7 Mop Cloth

A7-1—Hook and Loop Pads

## A8 Dustbin (Disposable Dust Bag Pre-Installed)

## A9 Dustbin Cover

## A10 Disposable Dust Bag

## A11 Base

A11-1—Air Duct Cover Screws (10)

A11-2—Air Duct Cover

A11-3—Screwdriver

A11-4—Base Fastening Screws (6)

## A12 Auto-Empty Dock

A12-1—Dustbin Cover

A12-2—Dustbin

A12-3—Base

A12-4—Status Indicator Light

- Steady white: Waiting for orders
- Flashing white: Emptying
- Steady red: Malfunction
- Light off: Charging robot/Not power on

A12-5—Dock Location Beacon

A12-6—Charging Contacts

A12-7—Suction Inlet

A12-8—Electrode Brushes

## A13 Auto-Empty Dock (Cover Removed)

A13-1—Dust Bag Slot

A13-2—Filter

## **A14** Power Cable Storage

### A14-1—Power Cable Storage Slot

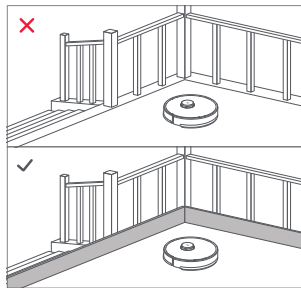
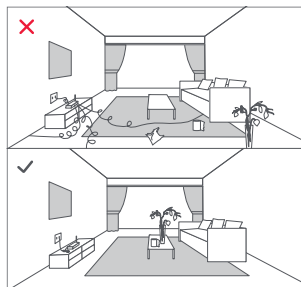
### A14-2—Cable Outlet

### A14-3—Power Port

**Note:** Power cable can be pulled out at both sides.

## **B** Installation

### Important Information



1. Tidy cables 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.

2. When using the robot in a raised area, always use a secure physical barrier to prevent accidental falls that may result in personal injury or property damage.

**Note:** 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.

## **B1** Position the Charging Dock

**B1-1**—Take the screwdriver from its storage bin at the bottom of the base.

**B1-2**—Place dock upside down on a soft, flat surface (carpet/towel/ cloth) and attach the base by using the six screws provided.

**Note:** Hold the dustbin cover securely when upside down to prevent damage from falling.

**B1-3**—Connect the power cable to the dock, and keep the excess cable inside the storage slot.

**B1-4**—Place the dock on a hard and flat floor (wood/tile/concrete etc.), flat against a wall. Keep at least 0.3 m (1 ft) of clearance on either side and 1 m (3 ft) both in front and above. Make sure the location has good WiFi for a better experience with the mobile app, and then plug it in.


**B1-4-1**—more than 0.3 m (1ft)

**B1-4-2**—more than 1 m (3ft)

### Notes:

- The status indicator light turns off automatically when the robot is charging.
- The status indicator light turns red if an error occurs.
- Do not use without a dustbin cover or dust bag.
- Place the dock on a 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 over and cause problems docking and departing.
- Keep excess power cable inside the storage slot so that the robot will not get tangled in the cables, and the dock will not be dragged away or disconnect from the power supply.
- 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.
- The Auto-Empty Dock recharges and empties. Store the standard robot dock before use. Failure to do so may cause issues returning to dock.
- Maintain the dock according to the maintenance instructions. Do not clean the dock with a wet cloth.

## **B2** Powering on & Charging

Press and hold the  button to power on the robot. When the power light goes on, place the robot on the dock to charge. Make sure the charging dock power indicator turns off and a “charging” voice alert sounds. To maintain the performance of the high-performance lithium-ion rechargeable battery pack, keep the robot charged.

**Note:** The robot may not turn on when the battery is low. In this case, place the robot directly onto the dock to charge.

## **B3** Using the Mopping Module

**B3-1**—Adjust the water flow

Slide the switch down to increase the water

flow and up to decrease the water flow.

### B3-2—Fill the water tank

Remove the water tank stopper, fill it with water, and close it.

### B3-3—Install the mop cloth

Dampen the mop cloth and wring it until it stops dripping. Insert it into the bottom along the attachment slot and stick it firmly in place.

### B3-4—Install the mopping module

Slide the mopping module along the back of the robot as indicated by the arrow. A click indicates that it is locked in place.

#### Notes:

- To prevent excessive dirt buildup during first-time use, floors should be vacuumed at least three times before mopping.
- If carpets are present, draw No-Go Zones or Invisible Wall to prevent the robot going on them, or roll them up.
- To prevent corrosion or damage, only use the Roborock branded floor cleaner in the water tank.
- Do not use hot water as this may cause the tank to deform.
- The mop cloth should be cleaned after 60 minutes of mopping to ensure water flow and cleaning performance.

### B4 Remove the Mopping Module

When the robot returns to the dock after cleaning, press the latches on both sides, and slide the mopping module backwards to remove it.

#### Notes:

- Wash the mop cloth after each use, and regularly empty the water tank of unused water to prevent odor.
- Remove the mopping module when not mopping.

## Connecting to the App

This robot supports both Roborock and Xiaomi Home apps. Choose the one that best meets your needs.

### 1 Download App



Option 1: Search for “Roborock” in the App Store or Google Play or scan the QR code to download and install the app.



Option 2: Search for “Xiaomi Home” in the App Store or Google Play or scan the QR code to download and install the app.



### 2 Reset WiFi

Press and hold the  and  buttons until you hear the “Resetting WiFi” voice alert. The reset is complete when the WiFi indicator 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 “Scan to Connect” button or the “Search for Device” button, or open the Xiaomi Home app, tap “+” in the top right corner and add the device as instructed in the app.

#### Notes:

- The actual process may vary due to ongoing app updates. Follow the instructions provided in the app.
- Only 2.4 GHz WiFi is supported.


## Instructions

### On/Off

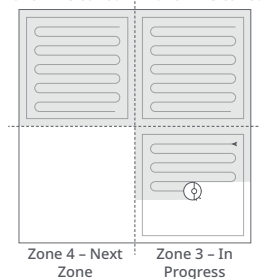
Press and hold  to turn on the robot. The power indicator light will come on, and the robot will wait for orders. Press and hold the  button to turn off the robot and complete the cleaning cycle.

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

### Starting Cleaning

Press the  button to start cleaning. The robot will plan its cleaning route according to its scan of the room. It splits a room into zones, first draws out zone edges, and then fills the zone in a zigzag pattern. In so doing, the robot cleans all zones one by one, efficiently cleaning the house.


Zone 1 – Cleaned    Zone 2 – Cleaned



#### Notes:


- To allow the robot to automatically vacuum and return to the dock, start the robot from the dock. Do not move the dock during cleaning.
- Cleaning cannot start if the battery level is too low. Allow the robot to charge before starting the cleanup.
- If cleaning is completed in less than 10 minutes, the area will be cleaned twice.
- If the battery runs low during the cleaning cycle, the robot will automatically return to the dock. After charging, the robot will resume where it left off.
- Before starting each mopping task, make sure that the mop cloth has been properly installed.

## Spot Cleaning

Press the  button to start spot cleaning. Cleaning range: The robot cleans a 1.5 m (4.9 ft) x 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 wait for orders.

## Emptying

Auto-emptying will begin when the robot returns to the dock after cleaning. Press the  button to trigger emptying manually. Press any button to stop emptying.


**Note:** Avoid frequent manual emptying.

## Pause

When the robot is running, press any button to pause it, press the  button to resume cleaning, and press the  button to send it back to the dock.

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

## Refilling the Water Tank or Cleaning the Mop Cloth

To add water or clean the mop cloth, press any button to stop the robot and remove the mopping module. After adding water or cleaning the mop cloth, reinstall the mopping module and press the  button to continue.

## Sleep

If the robot is paused for over 10 minutes, it will go to sleep, and the power indicator 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 in sleep mode for more than 12 hours.


## 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. When DND mode is activated, the robot will not automatically resume cleanup, the power indicator light will dim, and the volume of the voice prompts will lower.

## Child Lock

Press and hold the  button to enable/disable the 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, press any button to stop it.

## Charging

After cleaning, the robot will automatically return to the dock to charge. In pause mode, press the  button to send the robot back to the dock. The power indicator will breathe as the robot charges.

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

## Error

If an error occurs, the power indicator light on the robot will flash red or status indicator light on the dock will be steady red. A pop-up notification will receive 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.

## System Reset

If the robot does not respond when a button is pressed or cannot be turned off, reset the system. Press the Reset button, and the robot will reset automatically.




**Note:** After resetting the system, scheduled cleaning, WiFi, etc. will be restored to factory settings.

## Deactivating WiFi

To disconnect the robot from WiFi, press the Reset button until you hear a voice message. Then wait for 5 minutes and the WiFi will be automatically deactivated. If you want to reconnect, please follow the related connecting instructions.

## Restore Factory Settings

If the robot does not function properly after a system reset, switch it on. Press and hold the  button and at the same time, press the Reset button until you hear the "Restoring factory settings" voice prompt. The robot will then be restored to factory settings.

# C Routine Maintenance

## C1 Main Brushes

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

C1-1—Main Brush Cover

C1-2—Latches

C1-3—Main Brush Bearings

C1-4—Main Brush Caps

C1-5—Main Brushes

C1-6—Turn over the robot and press the latches to remove the main brush cover.

C1-7—Remove the main brush and pull out the main brush bearing.

C1-8—Pull out the main brush caps.

C1-9—After removing the tangled hair or dirt at both ends of the main brushes, reinstall them, press on the main brush cover to lock it in place until hear a "click". Make sure that the main brush cover has been properly attached.

### Notes:

- Main brushes should be wiped down with a wet cloth and left to dry away from direct sunlight.
- Do not use corrosive cleaning fluids or disinfectants to clean the main brushes.

## C2 Side Brush

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

1. Unscrew the side brush screw.

2. Remove and clean the side brush.

Reinstall the brush and tighten the screw.

## C3 Omnidirectional Wheel

\* Clean as required.

C3-1—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.

C3-2—Rinse the wheel and the axle with water to remove any hair and dirt. Dry and reattach the wheel, pressing it firmly in place.

## C4 Main Wheels

\* Clean monthly.

Clean the main wheels with a soft, dry cloth.

## C5 Dustbin and Washable Filter

\* Clean every week and filter should be replaced every 6-12 months.

C5-1—Press the dustbin latch and slide the dustbin backwards.

C5-2—Remove the washable filter and empty the dustbin.

C5-3—Fill the dustbin with clean water. Gently shake the dustbin, and then pour out the dirty water.

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

C5-4—Rinse the washable filter repeatedly and tap it to remove as much dirt as possible.

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

C5-5—Leave the dustbin and the washable filter to dry thoroughly and reinstall them.

**Note:** Purchase an additional filter and alternate if necessary.

## C6 Adjustable Water Tank

\* Clean as required.

C6-1—Open the water tank and fill it with clean water.

C6-2—Close the water tank and shake it gently.

C6-3—Pour out the remaining water as shown.

## C7 Mop Cloth

\* Clean after each use and replace every 3-6 months.

Remove the mop cloth from the mopping module. Clean and air dry the mop cloth.

### Notes:

- After cleaning, always remove the mop cloth to prevent dirty water from leaching back into the water tank.
- A dirty mop cloth will affect the mopping performance. Clean it before use.

## C8 Filter Components

\* Replace them every 1-3 months.

1. Move your finger along the notch to remove each filter.
2. Insert new filter components and make sure they are properly installed.

**Note:** To ensure cleaning performance, replace the filter components every 1-3 months, depending on the water quality and how often you use the robot.

## C9 Robot Sensors

\* Clean monthly.

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

C9-1—Dock Locator

C9-2—Wall Sensor

C9-3—Four Cliff Sensors

## C10 Dust Bag Replacement

\* Replace as required.

C10-1—Remove the dustbin cover vertically as shown.

C10-2—Lift the dust bag out of the dustbin and discard it.

**Note:** The dust bag handle seals the bag on removal to prevent dust leakage.

C10-3—Clean the filter with a dry cloth.

C10-4—Install a new dust bag in place along the slot and put the dustbin cover back.

## C11 Air Duct

\* Clean as required.

C11-1—Unscrew the screws (10) and remove the cover.

C11-2—Wipe the air duct and cover with a dry cloth.

C11-3—Reinstall the cover and screw it back in place.

## C12 Charging Contact Areas

\* Clean as required.

Use a soft dry cloth to wipe the charging contacts on the robot. Clean the dock location beacon, charging contacts, and electrode brushes on the dock.

## Battery

The robot is equipped with a high-performance lithium-ion rechargeable battery pack. To maintain battery performance, keep the robot charged during normal use.

**Note:** If the robot will be left unused for a long period, turn it off and charge it at least every three months to avoid battery damage caused by over-discharge.

# Basic Parameters

## Robot

Model	Q50ULE
Battery	14.4V/5200mAh (TYP) lithium-ion battery
Rated Input	20VDC 1.2A
Charging Time	< 6 hours

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

## Auto-Empty Dock

Model	AED06HRR, AED07HRR
Rated Input Voltage	220-240VAC
Rated Frequency	50-60Hz
Rated Input (Dust Collection)	5A
Rated Input (Charge)	0.5A
Rated Output	20VDC 1.2A
Charging Battery	14.4V/5200mAh(TYP) lithium-ion battery

## Common Issues

Problem	Solution
Unable to power on	<ul style="list-style-type: none"><li>• Battery low. Put the robot on the dock and charge it before use.</li><li>• Battery temperature too low or too high. Only use the robot within the range of 4-40°C (39-104°F).</li></ul>
Unable to charge	<ul style="list-style-type: none"><li>• Check that both ends of the power cable are properly connected and confirm that the dock indicator is on.</li><li>• If the contact is poor, clean the charging contacts of the dock and the robot.</li></ul>
Slow charging speed	<ul style="list-style-type: none"><li>• To maintain the battery life, the robot automatically reduces the charging speed when it is charged in an environment at a high or low temperature.</li><li>• Charging contacts dirty. Clean them with a dry cloth.</li></ul>
Unable to return to dock	<ul style="list-style-type: none"><li>• There are too many obstacles near the dock. Move it to an open area.</li><li>• The robot is too far from the dock. Place it closer and retry.</li></ul>
Abnormal behavior	<ul style="list-style-type: none"><li>• Restart the robot.</li></ul>
Noise during cleaning	<ul style="list-style-type: none"><li>• The main brushes, side brush, or main wheels may be jammed. Turn off the robot and clean them.</li><li>• The omnidirectional wheel is jammed. Use a screwdriver to remove it for cleaning.</li></ul>
Poor cleaning performance and/or leaking dust	<ul style="list-style-type: none"><li>• The dustbin is full and needs emptying.</li><li>• The filter is blocked and needs cleaning.</li><li>• The main brushes are tangled up and need cleaning.</li></ul>
Unable to connect to WiFi	<ul style="list-style-type: none"><li>• WiFi disabled. Reset the WiFi and try again.</li><li>• Poor WiFi signal. Move the robot to an area with good WiFi reception.</li><li>• Abnormal WiFi connection. Reset the WiFi, download the latest mobile app, and retry.</li><li>• Unable to connect to WiFi abruptly. There may be an error with your router settings. Contact Roborock Customer Service for help with troubleshooting.</li></ul>

## Common Issues

Problem	Solution
Scheduled Cleaning is not working	<ul style="list-style-type: none"><li>• Battery low. Scheduled Cleaning can only begin when the battery level is above 20%.</li></ul>
Is power always being drawn when the robot is on the dock?	<ul style="list-style-type: none"><li>• The robot will draw power while it is docked to maintain battery performance, but the power consumption is extremely low.</li></ul>
Does the robot need to be charged for at least 16 hours for the first three uses?	<ul style="list-style-type: none"><li>• No. The lithium-ion battery has no memory effect. The robot can be used any time after it has been fully charged once.</li></ul>
No or little water during mopping	<ul style="list-style-type: none"><li>• Check whether there is water in the water tank; adjust up the water flow; wash the mop cloth; replace the filter; check the manual for instructions on how to correctly install the mop.</li></ul>
Too much water during mopping	<ul style="list-style-type: none"><li>• Make sure that the water tank stopper is properly installed; adjust down the water flow; make sure that the filter is properly installed.</li></ul>
Cleaning does not resume after recharging	<ul style="list-style-type: none"><li>• 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 before it is recharged automatically, it will not be able to continue cleanup.</li></ul>
The robot cannot return to the dock after spot cleaning or when it has been moved manually	<ul style="list-style-type: none"><li>• After spot cleaning or a significant position change, the robot will re-generate the map. If the dock is too far away, the robot may not be able to return for recharging and must be placed on the dock manually.</li></ul>
The robot begins to miss certain spots	<ul style="list-style-type: none"><li>• The wall sensor or cliff sensors may be dirty. Clean them with a soft, dry cloth.</li></ul>

## Common Issues

Problem	Solution
Red LED indicator on the Auto-Empty Dock	<ul style="list-style-type: none"><li>• The dustbin cover is not in place. Check and correct installation.</li><li>• The fan is not operating properly. Potentially due to overheating protection resulting from frequent starting and stopping. Unplug the power cable and try again after 30 minutes.</li><li>• Voltage error. Check that local voltage meets the requirements listed on the dock.</li></ul>
Reduced emptying performance or unusual noise when emptying	<ul style="list-style-type: none"><li>• The main brushes or main brush cover is not properly installed. Check and correct installation.</li><li>• The filter, air duct, suction inlet, air inlet, or dustbin is blocked. Clean to remove blockages.</li></ul>
Auto-emptying does not start when the robot returns to the dock	<ul style="list-style-type: none"><li>• Auto-emptying is disabled. Check in-app settings.</li><li>• Dustbin cover is not in place. Check and install.</li><li>• Auto-emptying will not be triggered if the robot is moved to the dock manually. Start emptying manually.</li><li>• Auto-emptying will not be triggered if the robot returns to the dock without cleaning.</li><li>• The robot will not auto-empty after returning to the dock in Do Not Disturb (DND) mode. Adjust cleaning or DND duration, or start emptying manually.</li><li>• The battery level is lower than 10%. Charge the robot until the battery reaches 10%.</li></ul>