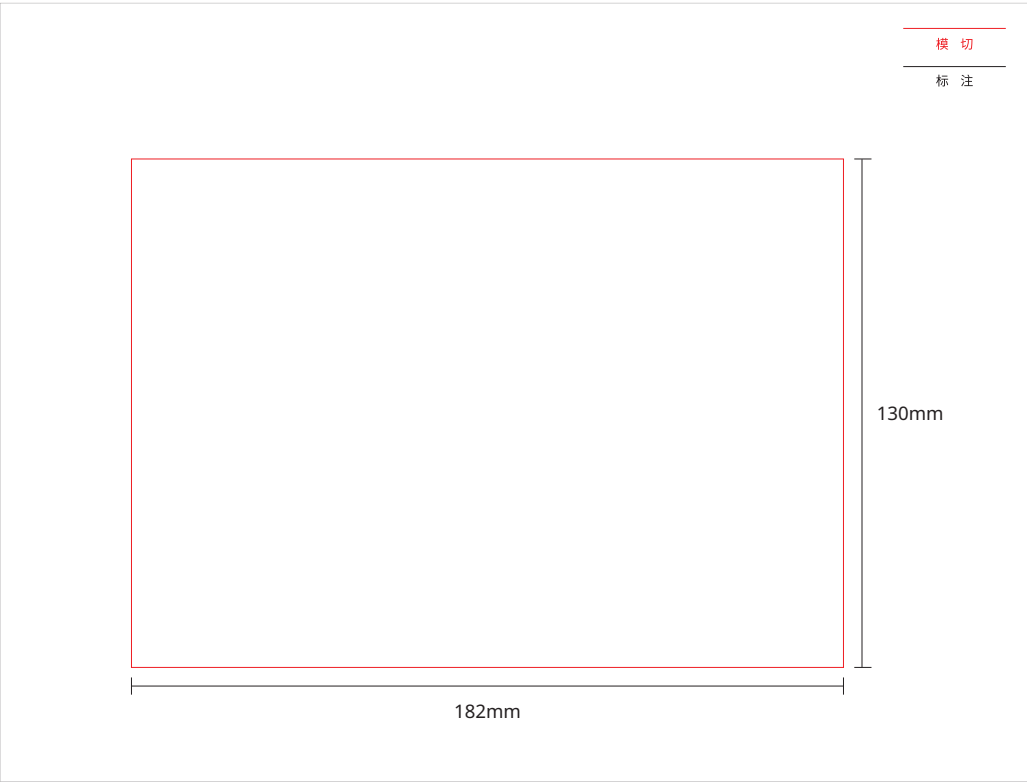




石头科技产品包装图纸

图纸提供单位 北京石头世纪科技股份有限公司

材质工艺要求 材质：金东太空梭 105g 哑粉
装订：骑马
成品尺寸：182*130mm
页数：16P
参考色：PANTONE Cool Gray 11 C
PANTONE 185 C
尺寸偏差：±1.5mm
印刷偏位：±1mm

备注 印刷内容含料号二维码

项目名称 Tanos SC 组合装说明书 FCC 版产品册)

料号 4.03.0519

版本号 V1.0

设计时间 2021.11.30

设计师 王明丽

包装工程师 谢青青

比例 1:1 单位 mm

历史版本	版本号：	版本号：	版本号：	版本号：	版本号：
	修改点：	修改点：	修改点：	修改点：	修改点：
	修改人：	修改人：	修改人：	修改人：	修改人：
	版本号：	版本号：	版本号：	版本号：	版本号：
	修改点：	修改点：	修改点：	修改点：	修改点：
	修改人：	修改人：	修改人：	修改人：	修改人：



Roborock Q7+

Robot Vacuum and Mop User Manual

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

English

01

English Contents

04	WARNING
04	International Symbols Explanation
05	FCC/IC Statement
05	Battery and Charging
06	Product Overview
07	Installation
07	Connecting to the App
08	Instructions for Use
10	Routine Maintenance
11	Environment Protection Information
11	Basic Parameters
11	Errors
13	FAQs

WARNING

- For use only with roborock CDZ12RR, AED03LRR charger.
- Place the cords from other appliances out of the area to be cleaned.
- Do not operate the vacuum in a room where an infant or child is sleeping.
- Do not operate the vacuum in an area where there are lit candles or fragile objects on the floor to be cleaned.
- Do not operate the vacuum in a room that has lit candles on furniture that the vacuum may accidentally hit or bump into.
- Do not allow children to sit on the vacuum.
- Unplug the appliance before making any adjustments, changing accessories, or storing appliance. Such preventive safety measures reduce the risk of starting the appliance accidentally.
- Do not carry the product using the filter cover.
- 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.
- The product must be switched off and the plug must be removed from socket outlet before cleaning or maintaining the product.
- This product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the product by a person responsible for their safety (CB).
- 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 (EU).
- Do not use wet cloth or liquids for cleaning the charging contacts.
- 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.
- Keep the charging dock away from heat (such as radiators).

International Symbols Explanation

~ – ALTERNATING CURRENT symbol [symbol IEC 60417-5032 (2009-02)]

≡ – DIRECT CURRENT symbol [symbol IEC 60417-5031 (2009-02)]

FCC/IC Statement

	Compliance Information
Product Name	Robotic Vacuum Cleaner with Dock Charger
Product Model	Robotic Vacuum Cleaner Model:Q400RR Dock Charger Model:CDZ12RR Auto-Empty Dock: AED03LRR
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	108 West 13th Street, Wilmington, Delaware 19801.
Email	support@roborock.com

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.
- Keep the charging dock away from heat (such as radiators).
- Do not wipe the charging contacts with wet cloth or wet hands.
- Turn the robot off and use original packaging for shipment.
- 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.
- 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.

Consignes de sécurité

- Utilisez uniquement l'appareil avec le chargeur Roborock CDZ12RR, AED03LRR.
- Quite los cables de otros dispositivos del área a limpiar.
- No ponga en marcha la aspiradora en una habitación donde esté durmiendo un bebé o niño.
- No opere la aspiradora en un área donde haya velas encendidas u objetos frágiles en el piso donde va a limpiar.
- No opere la aspiradora en una habitación donde haya velas encendidas sobre los muebles donde pueda chocar o golpear accidentalmente la aspiradora.
- No permita que los niños se sienten sobre la aspiradora.
- Desconecte el dispositivo antes de realizar cualquier tipo de ajustes, cambiar accesorios o almacenar el dispositivo. Esas medidas de seguridad preventivas reducen el riesgo de encender el dispositivo accidentalmente.
- AISLAMIENTO DOBLE
- No traslade el producto con la cubierta de filtro.
- Coloque la base sobre una superficie plana; lejos del fuego, el calor o el agua. Evite colocarla en lugares estrechos o donde el robot podría estar suspendido en el aire.
- El producto se debe apagar y se debe retirar el enchufe del tomacorriente antes de limpiar o mantener el producto.
- Este producto no está diseñado para ser empleado por personas (incluidos niños) con capacidades físicas, sensoriales o mentales reducidas, o que no tienen experiencia o conocimiento, a menos que tengan supervisión o hayan recibido instrucciones sobre el uso del producto por parte de una persona responsable de su seguridad.
- Este producto puede ser usado por niños de 8 años de edad o más y por personas con capacidades físicas, sensoriales o mentales reducidas o que no tienen experiencia y conocimiento si están bajo supervisión o si recibieron instrucciones con respecto al uso del producto de una manera segura y comprenden los peligros que implica. Los niños no deben jugar con el producto. La limpieza y mantenimiento del usuario no deben ser llevados a cabo por niños sin supervisión.
- No use paño húmedo ni líquidos para limpiar los contactos de carga.
- No retire, repare ni modifique la batería ni la base de carga.
- Si la base se coloca en un lugar susceptible a tormentas eléctricas o con voltaje inestable, tome medidas de protección.
- Mantenga la base de carga alejada del calor (como radiadores).

Batería y carga

- Para reducir el riesgo de descarga eléctrica, este dispositivo tiene un enchufe polarizado (un borne es más ancho que el otro). Este enchufe entrará en un tomacorriente polarizado solo de un lado. Si el enchufe no cabe totalmente en el tomacorriente, debe darlo vuelta. Si sigue sin entrar, comuníquese con un electricista calificado para instalar el tomacorriente correcto. De ningún modo cambie el enchufe.
- Mantenga la base de carga alejada del calor (como radiadores).
- No limpie los contactos de carga con paños húmedos ni con las manos húmedas.
- Apague el robot y use el embalaje original para el envío.
- Si dejará el robot almacenado, cárguelo por completo y apáguelo antes de colocarlo en un lugar seco y frío. Recárguelo al menos una vez cada tres meses para evitar que se descargue demasiado la batería.
- No use el producto cuando la temperatura sea mayor que 40 °C (104 °F) o menor que 4 °C (39 °F), o que haya líquido o alguna sustancia pegajosa en el piso. • Ne laissez pas les enfants s'asseoir sur l'aspirateur.

Explication des symboles internationaux

~ : symbole de COURANT ALTERNATIF [symbole IEC 60417-5032 (02/2009)]

≡ : symbole de COURANT CONTINU [symbole IEC 60417-5031 (02/2009)]

Déclaration FCC/IC

Informations de conformité	
Nom du produit	Robot aspirateur-laveur avec station de charge
Modèle du produit :	Modèle du robot aspirateur : Q400RR Modèle de la station de rechargement :CDZ12RR Station à vidage automatique, modèle : AED03LRR
Déclaration de conformité	Cet appareil est conforme à l'article 15 de la réglementation de la FCC. Son utilisation est soumise aux deux conditions suivantes : (1) cet appareil ne doit pas causer d'interférences nuisibles, et (2) cet appareil doit accepter toute interférence reçue, y compris toute interférence susceptible d'occasionner un fonctionnement non souhaité. L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) L'appareil ne doit pas produire de brouillage; (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
Coordonnées de la partie responsable aux USA	
Société	Roborock Technology Co.
Adresse	108 West 13th Street, Wilmington, Delaware 19801.
E-mail	support@roborock.com

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: $\geq 20\%$
- Red: $< 20\%$
- Pulsing: Charging or starting up
- Flashing red: Error



Docking/Spot Cleaning

- Press to return to dock
- Press and hold to start spot cleaning

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

A1-1—Bumper

A1-2—LiDAR Sensor

A1-3—Cover Opener

A1-4—Dock Locator

A2 Robot (Bottom View)

A2-1—Wall Sensor

A2-2—Cliff Sensors

A2-3—Omni-Directional Wheel

A2-4—Charging Contacts

A2-5—Side Brush

A2-6—Main Wheel

A2-7—Main Brush

A2-8—Main Brush Cover Latches

A3 Robot (Upper Cover Open)

A3-1—WiFi Indicator

- Off: WiFi disabled
- Flashing slowly: Waiting for connection
- Flashing quickly: Connecting
- Steady: connected

A3-2—Reset Button

A3-3—Air Outlet

A4 Dustbin

A4-1—Dustbin Latch

A4-2—Washable Filter

A5 Mop

A5-1—Mop Cloth

A5-2—Hook and Loop Pads

A6 Adjustable Water Tank

A6-1—Water Tank Stopper

A6-2—Filter

A6-3—Water Tank

A6-4—Water Tank Latch

A6-5—Flow Control

A7 Disposable Dust Bag

A8 Base

A8-1—Air Duct Cover Screws (10)

A8-2—Air Duct Cover

A8-3—Screwdriver

A8-4—Base Fastening Screws (6)

A9 Auto-Empty Dock

A9-1—Dustbin Cover

A9-2—Dustbin (Disposable Dust Bag Pre-Installed)

A9-3—Status Indicator Light

- Steady white: Standby
- Flashing white: Emptying
- Steady red: Malfunction
- Light off: Charging Robot/Not Powered On

A9-4—Dock Location Beacon

A9-5—Charging Contacts

A9-6—Suction Inlet

A9-7—Electrode Brushes

A9-8—Power Cable Storage Slot

A9-9—Cable Outlet

A9-10—Power Port

Note: Power cable can exit at either side.

A10 Auto-Empty Dock (Cover Removed)

A10-1—Dust Bag Slot

A10-2—Filter

A11 Power Cable

B Installation

B1 Important Information

B1-1—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.

B1-2—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.

B2 Position the charging dock

B2-1—Take the screwdriver from its storage bin at the bottom of the base.

B2-2—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.

B2-3—Connect the power cable to the dock, and keep excess cable inside the storage slot.

B2-4—Place the dock on a hard and flat floor (wood/tile/concrete etc.). Keep at least 0.5 m (1.6 ft) of clearance on either side, 1.5 m (5 ft) in front, and 1 m (3 ft) above. Check the location has good WiFi then turn on.

B3 Emptying

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

Notes:

- The status indicator light turns off automatically when the robot is charging.
- Do not use without 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.
- Avoid frequent manual emptying.
- Images are for illustration purposes only and may not exactly represent the product.

B4 Using the Mopping module

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 avoid water tank corrosion, do not use cleaning fluid or disinfectant.
- The mop should be cleaned after 60 minutes of mopping to ensure water flow and cleaning performance.

B4-1—Adjust the Water flow

Slide the switch down to increase the water flow and up to decrease the water flow.

B4-2—Fill the water tank

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

B4-3—Install the mop

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

B4-4—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.

B5 Remove the mopping module

When the robot returns to the dock after cleaning, press the latches on both sides, and slide the washing 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

The robot supports the Roborock and Mi Home app. Choose the one that best meets your needs.

1 Downloading App

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



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



2 Reset WiFi

1. Open the top cover and find the WiFi indicator.
2. 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 "Search for device" button, or open Mi 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.
- If the robot waits more than 1 hour for a connection, WiFi will be automatically disabled. If you want to reconnect, reset the WiFi before proceeding.

Instructions for Use

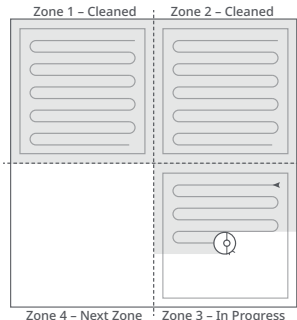
On/Off

Press and hold the  button to turn on the robot. The power indicator will turn on and the robot will enter standby mode. 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.



Notes:

- Cleanup cannot start if the battery level is too low. Allow the robot to charge before starting cleanup.
- If cleanup 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.

Pause

Press any button to stop the robot during operation. Press the  button to resume cleanup. Press the  button to send the robot back to the dock and end the current cleanup.

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 will flash every few seconds. Press any button to wake it 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.

Charging

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

In pause mode, press the ⏮ button to send the robot back to the dock. The power indicator will pulse 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 while the robot is cleaning, the power indicator will flash red and a voice alert will sound. See “Errors” for solutions.

Notes:

- The robot will go to sleep automatically if left in an Error state for over 10 minutes.
- Placing the robot on the dock in an Error state will stop the current cleanup.

Spot Cleaning

Press and hold 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 enter Standby mode.

Resetting

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 is complete, WiFi and other settings will be restored to factory defaults.

Restoring 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 Reset button until you hear the “Restoring factory settings” voice prompt.

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.

Refilling the Water Tank or Washing Mop

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.

App Features

Cleaning Map

- Multi-map management
- Real-time vacuum and mop route
- Map zoning
- Map editing

Custom Cleaning Modes

- Scheduled Cleaning
- Selective Room Cleaning
- Zone Cleaning
- No-go zones & invisible wall
- Custom modes
- Carpet Boost

Cleaning Mode Switch

- 4-level suction power

Robot Information

- Cleaning history
- Battery level
- Care & maintenance

More Features

- Firmware upgrade
- Volume adjustment
- DND mode
- Voice assistance support

Note: Features and details of the app may vary slightly due to the continuous app development and updates.

C Routine Maintenance

C1 Main Brush

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

C1-1—Main Brush Cover

C1-2—Latches

C1-3—Main Brush

C1-4—Main Brush Caps

C1-5—Main Brush Bearing

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

C1-7—Pull out the main brush and remove the main brush bearing.

C1-8—Rotate the main brush caps in the indicated unlock direction to remove the caps.

C1-9—After removing the tangled hair or dirt at both ends of the main brush, reinstall it, press on the main brush cover to lock it in place.

C1-10—Make sure that the main brush cover has been properly attached. When properly installed, all four tabs should be hidden.

Notes:

- Main brush should be wiped down with wet cloth and left to dry away from direct sunlight.
- Do not use corrosive cleaning fluid or disinfectant to clean the main brush.

C2 Side Brush

*Clean every month and replace every 3 to 6 months

1. Unscrew the side brush screw.

2. Remove and clean the side brush.
Reinstall the brush and tighten the screw.

C3 Omni-Directional Wheel

*Clean as needed

C3-1—Use a tool, such as a small screwdriver, to pry out the axle and take out the wheel.

Note: The omni-directional wheel bracket cannot be removed.

C3-2—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.

C4 Main Wheels

*Clean every month

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—Open the upper cover of the robot and take out the dustbin.

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 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 and reinstall them.

C6 Mop Cloth

*Clean after each use and replace every 3 to 6 months

C6-1—Remove the mop cloth from the mopping module. Wash and air dry the mop cloth.

Notes:

- After cleaning, always remove the mop cloth to prevent dirty water from leaching back into the clean water tank.
- A dirty mop will compromise the washing performance. Clean it before use.
- To ensure cleaning performance, replace the mop every 3 to 6 months.

C7 Filter Components

*Replace them every 1 to 3 months

C7-1—Mop Attachment Slot

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 to 3 months, depending on the water quality and how often you use the robot.

C8 Dust Bag Replacement

*Replace as needed.

C8-1—Remove the dustbin cover vertically as shown.

C8-2—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.

C8-3—Clean the filter with a dry cloth.

C8-4—Install a new dust bag in place along the slot and put the dustbin cover back.

C9 Air Duct * Replace as needed.

C9-1—Unscrew the screws (10) and remove the cover.

C9-2—Wipe the air duct and cover with a dry cloth.

C9-3—Re-install the cover and screw it back in place.

C10 Robot Sensors

*Clean every month

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

C10-1— Dock locator.

C10-2—Wall sensor.

C10-3—Four cliff sensors.

C11 Charging Contact Areas

*Clean every month

Clean the charging contacts of the dock and the robot with a soft, dry cloth.

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.

Environment 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.

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. Do not attempt to remove the battery if the robot is connected to 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	Q400RR
Battery	14.4V/5200mAh lithium-ion battery
Weight	Approx. 3.2kg
Rated Input	20V ~ 1.2A
Charging Time	< 6 hours

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

Auto-Empty Dock

Model	AED03LRR
Rated Input Voltage	120VAC
Rated Frequency	50-60Hz
Rated Input (Dust Collection)	9.5A
Rated Input (Charge)	0.5A
Rated Output	20VDC 1.2A
Charging Battery	14.4V/5200mAh lithium-ion battery

Errors

If an error occurs while the robot is cleaning, the power indicator will flash red quickly, and a voice alert will sound. Refer to the following table for troubleshooting.

1. After resolving any of the following errors, relocate your robot and restart cleaning.
2. After any sensor errors, clean the sensor and retry.
3. If the battery is at an abnormal temperature, wait for it to return to normal before use.

Error 1:	LiDAR turret or laser blocked. Check for obstruction and retry.
Error 2:	Bumper stuck. Clean it and lightly tap to release it.
Error 3:	Wheels suspended. Move robot and restart.
Error 4:	Cliff sensor error. Clean cliff sensors, move robot away from drops and restart.
Error 5:	Main brush jammed. Clean main brush and bearings.
Error 6:	Side brush jammed. Remove and clean side brush.
Error 7:	Wheels jammed. Move the robot and restart.
Error 8:	Robot trapped. Clear obstacles surrounding robot.
Error 9:	No dustbin. Install dustbin and filter.
Error 12:	Low battery. Recharge and retry.
Error 13:	Charging error. Clean charging contacts and retry.
Error 14:	Battery error.
Error 16:	Robot tilted. Move to level ground and restart.
Error 17:	Side brush error. Reset robot.
Error 18:	Fan error. Reset robot.
Error 21:	Vertical bumper pressed. Move robot and retry.
Error 22:	Dock locator error. Clean and retry.
Error 23:	Could not return to dock. Clean dock location beacon and retry.
Error 26:	Wall sensor dirty. Clean wall sensor.

Errors

Filter blocked or wet. Clean, dry, and retry.

No-go zone or Invisible Wall detected. Move robot from this area.

Internal error. Reset the robot.

Note: A system reset may resolve some problems.

If the problem persists after using the recommendations in the table above, contact our support team at:
support@roborock.com (United States/Canada/
 Non-Europe)
 1-855-960-4321 (United States only)
 1-833-421-1915 (Canada only)

FAQs

Problem	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 (39.2-104°F).
Unable to charge	• If the dock is not receiving power, check that both ends of the power cable are properly connected. • If the contact is poor, clean the charging contacts of the dock and the robot. • Confirm that the dock indicator is on.
Slow charging speed	• 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. • Charging contacts dirty. Clean them with a dry cloth.
Unable to return to dock	• There are too many obstacles near the dock. Move it to an open area. • The robot is too far from the dock. Place it closer and retry.
Abnormal behavior	• Restart the robot.
Noise during cleaning	• The main brush, side brush, or main wheel may be jammed. Turn off the robot and clean them. • The omni-directional wheel is jammed. Use a screwdriver to remove it for cleaning.
Poor cleaning performance and/or leaking dust	• The dustbin is full and needs emptying. • The filter is blocked and needs cleaning. • The main brush is tangled up and needs cleaning.
Unable to connect to WiFi	• WiFi disabled. Reset the WiFi and try again. • Poor WiFi signal. Move the robot to an area with good WiFi reception. • Abnormal WiFi connection. Reset the WiFi, download the latest mobile app, and retry. • Current device not supported. Find the supported models in the app. • Unable to connect to WiFi. There may be an error with your router settings. Contact Roborock Customer Service for help with troubleshooting.

FAQs

Problem	Solution
Scheduled cleaning is not working	• Battery low. Scheduled cleaning can only begin when the battery level is above 20%.
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.
Does the robot need to be charged for at least 16 hours for the first three uses?	• No. The lithium battery has no memory effect. The robot can be used any time after it has been fully charged once.
No or little water during washing	• Check whether there is water in the water tank; adjust up the water flow; wash the mop; replace the filter; check the manual for instructions on how to correctly install the mop.
Too much water during washing	• Make sure that the water tank lid is properly installed; adjust down the water flow; make sure that the filter is properly installed.
Cleaning does not resume 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 before it is recharged automatically, it will not be able to continue cleanup.
The robot cannot return to the 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 dock is too far away, the robot may not be able to return for recharging and must be placed on the dock manually.
The robot begins to miss certain spots	• The wall sensor or cliff sensors may be dirty. Clean them with a soft, dry cloth.

Robotic Vacuum Cleaner

Product Model: Q400RR

Manufacturer: Beijing Roborock Technology Co., Ltd.

Address of Manufacturer: Floor 6, Suite 6016, 6017, 6018, Building C, Kangjian Baosheng Plaza,
No.8 Heiquan Road, Haidian District, Beijing, P.R. CHINA

For after-sales support, contact our support team at:
support@roborock.com (United States/Canada/Non-Europe)

1-855-960-4321 (United States only)

1-833-421-1915 (Canada only)

