

COREDY

FL022

# Owner's Manual



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# 1. Important Safety Information

This appliance 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 appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

The robot must be used in accordance with the directions in this Instruction Manual. Coredy Inc. cannot be held liable or responsible for any damages or injuries caused by improper use.

To reduce the risk of injury or damage, keep these safety precautions in mind when setting up, using and maintaining your robot:

- Read all safety and operating instructions before operating your robot.
- Retain the safety and operating instructions for future reference.
- Heed all warnings on your robot, battery, charging dock and in the owner's manual.
- Follow all operating and use instructions.



The symbol on the product or its package indicates:

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local authority for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being. Please contact your local or regional waste authority for more information on collection, reuse and recycling programs.

## 1.1 Use Restrictions

- Your robot is for indoor use only. Do not use the robot outdoor, commercial or industrial environment.
- Before using this device, please pick up objects like clothing, loose papers, pull cords for blinds or curtains, power cords, and any fragile objects. If the device passes over a power cord and drags it, there is a chance an object could be pulled from a table or shelf.

- Your robot is not a toy. Do not sit or stand on this device. Children and pets should be supervised when your robot is operating.
- Store and operate your robot in room temperature environments only.
- Do not use this device to pick up anything that is burning or smoking.
- Do not use this device to pick up spills of bleach, paint, other chemicals, or anything wet.
- If the room to be cleaned contains a balcony, a physical barrier should be used to prevent access to the balcony and ensure safe operation.
- This appliance 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 the use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure they do not play with the robot. Cleaning and maintenance shall not be performed by children without supervision.
- Do not place anything on top of your robot.
- Be aware that the robot moves on its own. Take care when walking in the area where the robot is operating and avoid stepping on it.
- Do not operate the robot in areas with exposed electrical outlets on the floor.

## 1.2 Battery and Charging

- Use only rechargeable battery packs with the correct specification approved by Coredy.
- Charge using a standard outlet only. The product may not be used with any type of power converter. The use of other power converters will immediately void the warranty.
- Do not use a Charging Dock with a damaged cord or plug. If the cord or plug is damaged, it must be serviced by the manufacturer or similarly qualified persons.
- Always remember to remove the battery from your robot and accessories before long-term storage or transportation.
- Charge indoors only.

- Your robot's Charging Dock may be protected with a surge protector in the event of severe electrical storms.
- Never handle the Charging Dock with wet hands.
- Always disconnect your robot from the Charging Dock before cleaning or maintaining it.
- Please ensure the voltage rating for the enclosed Charging Dock matches the standard outlet voltage.
- Used battery packs should be placed in a sealed plastic bag and disposed of safely according to local environmental regulations.
- Before every use, check the battery pack for any sign of damage or leakage. Do not charge damaged or leaking battery packs.
- If the battery pack leaks, please don't hesitate to contact Coredy.
- Customer Service for disposal. The battery pack must be removed from the robot before disposal.
- Do not crush or dismantle battery packs. Do not heat or place the battery pack near any heat source.
- Do not incinerate the battery pack. Do not short-circuit the battery pack.
- Do not immerse the battery pack in any liquid.

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 operations.

## 2. Product Diagram

### 2.1 Robot



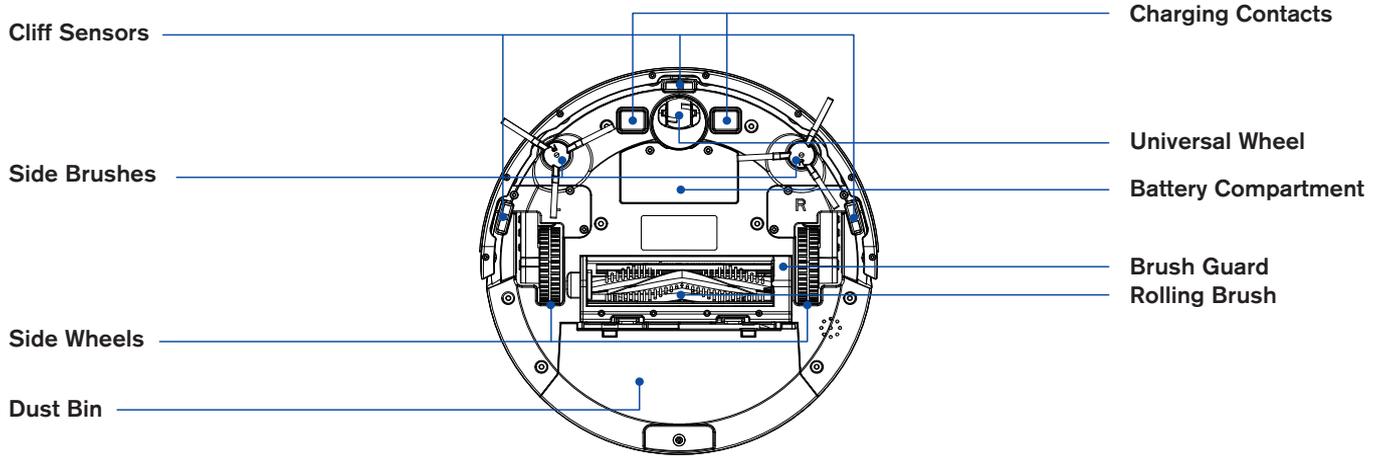
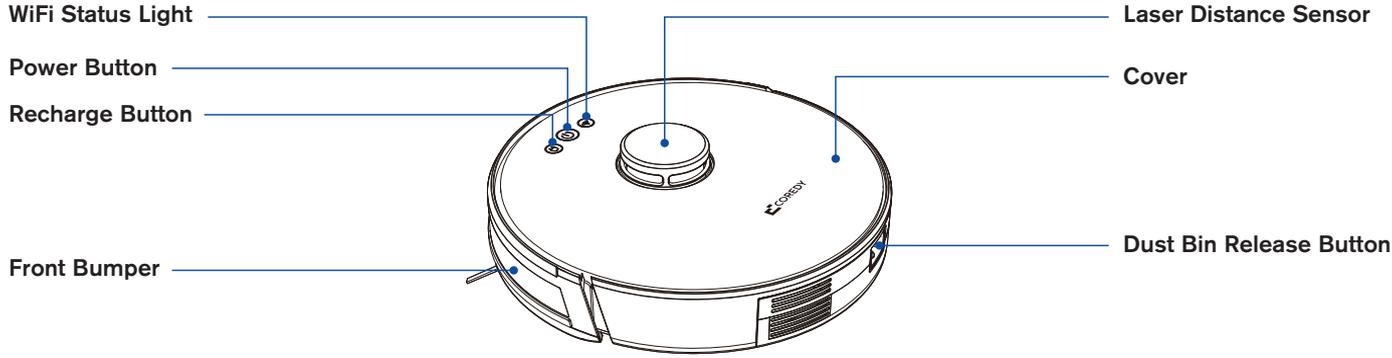
Press and hold for 3 seconds to turn on or off  
Press to start Auto cleaning  
Press to pause the current cleaning when working



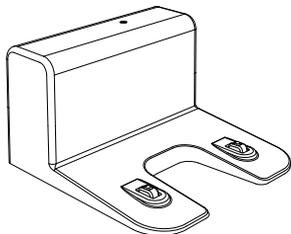
Press to return CoreDY FL022 to the charging dock  
Press again to pause



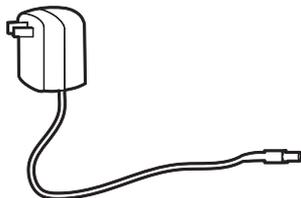
Press and hold for 3 seconds to active Wi-Fi paring or reset  
Wi-Fi connection



## 2.2 Accessories



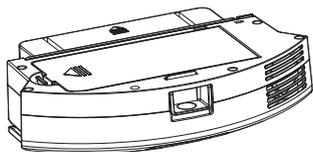
1 x Charging Dock



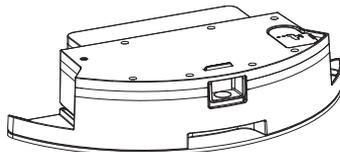
1 x Power Adapter



1 x Cleaning Tool



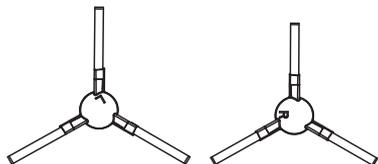
1 x Dust Bin



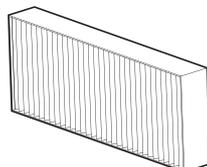
1 x Water Tank (with Mopping Cloth)



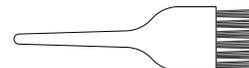
1 x Mopping Cloth



4 x Side Brush

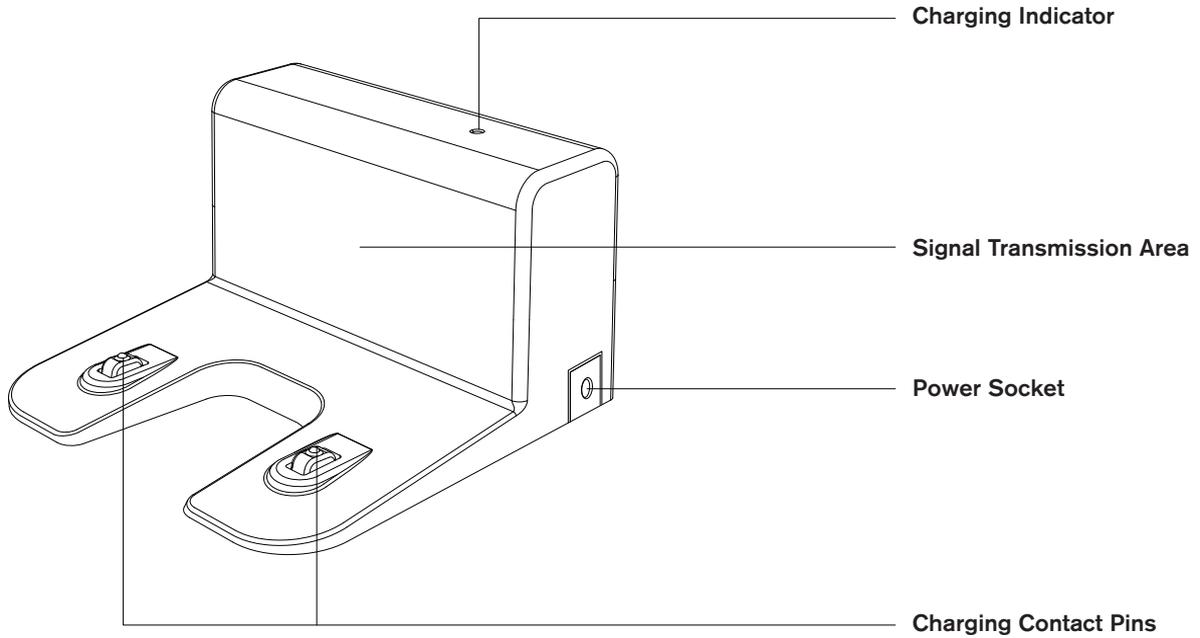


2 x HEPA Filter



1 x Cleaning Brush

## 2.3 Charging Dock

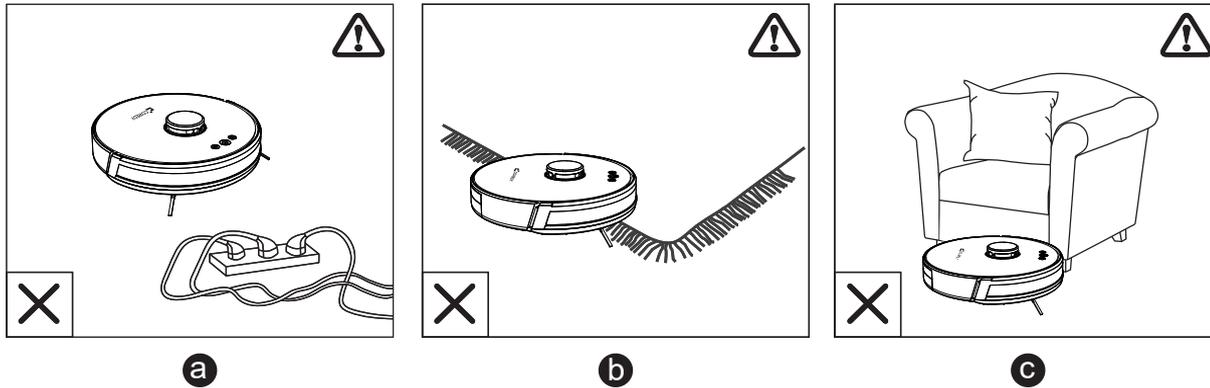


## 2.4 LED Indication

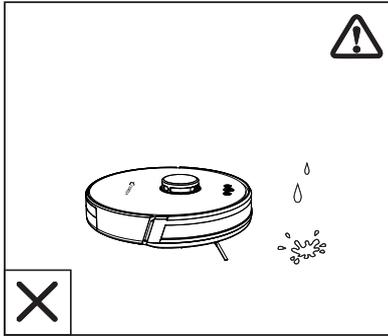
Light	Light Status	Status
	Flashing blue, purple, red alternately, Rapidly flashing purple	Waking up
	Solid red	Error indication
	Flashing blue	Pause
	Solid blue	Standby Cleaning Fully charged
	Solid purple	Low power and returning to Charging Dock
	Breathing blue	Charging
	Slowly flashing blue	Waiting for Wi-Fi connection
	Solid blue	Wi-Fi connected

# 3. Operating and Programming

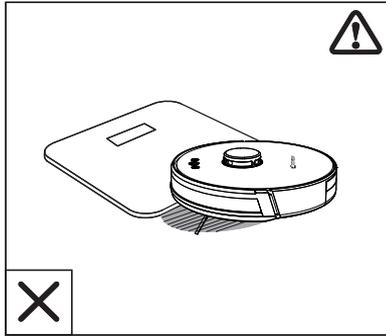
## 3.1 Important Tips Before Use



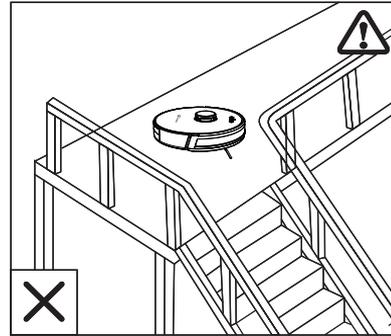
- a. Please remove power cords and small objects on the floor that may entangle Coredy Robot FL022.
- b. Please fold tasseled edges of area rugs back underneath to prevent tangling Coredy Robot FL022. Avoid cleaning very dark-colored high-pile rugs or rugs thicker than 1.02 in/26 mm as they may cause Coredy Robot FL022 to malfunction.
- c. Keep Coredy Robot FL022 away from spaces lower than 3.38 in/96 mm to prevent Coredy Robot FL022 from getting stuck. If necessary, place a physical barrier to block off the problem areas.



**d**



**e**



**f**

**d. Keep Coredy Robot FL022 away from wet areas during cleaning.**

**e. Coredy Robot FL022 may climb on top of objects less than 0.59 in/15 mm in height (the height will be reduced if the mopping module is installed). Remove these objects if possible.**

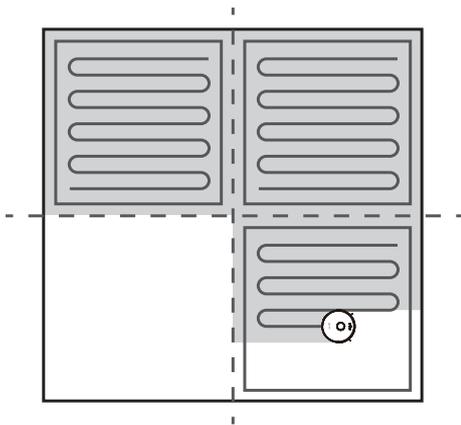
**f. Anti-drop sensors will prevent Coredy Robot FL022 from tumbling down the stairs and steep drops in most cases. Sensors are less effective if dirty or used on carpeted/reflective/very dark-colored floors. It is recommended to place physical barriers to block off areas where Coredy Robot FL022 may fall.**

## 3.2 Map Navigation and Management

### Navigation

Once plan cleaning gets started, Coredy Robot FL022 will move from the Charging Dock, automatically scan to generate maps, intelligently plan its cleaning route, and divide the space into zones.

The cleaning paths are planned along the walls, following a bow-shaped cleaning method to complete the cleaning of each zone one by one.



### Real-time Mapping & Floor Plan

Real-time mapping can help you learn about the cleaning path and environment easily. A floor plan will be built up after cleaning. The map will be updated instantly during each cleaning to ensure normal navigation.

To create a complete floor plan:

1. Open your doors for Coredy Robot FL022 to map each room;
2. Remove any objects that may be in the way.

**Note:**

Do not remove the Charging Dock after a floor plan is created.

### Relocation & Remapping

If the position of Coredy Robot FL022 / Charging Dock is adjusted or the surroundings are changed significantly, Coredy Robot FL022 will try to relocate and may remap to match the surroundings.

- Coredy Robot FL022 will resume cleaning if the relocalization is successful.
- If the relocalization fails, Coredy Robot FL022 will remap to ensure normal navigation with a new cleaning.
- If it is in a No-go zones, Coredy Robot FL022 will not start cleaning.

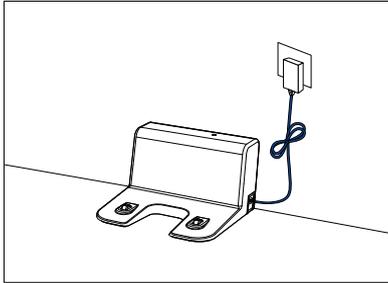
**Note:**

Make sure Coredy Robot FL022 starts each cleaning from the Charging Dock.

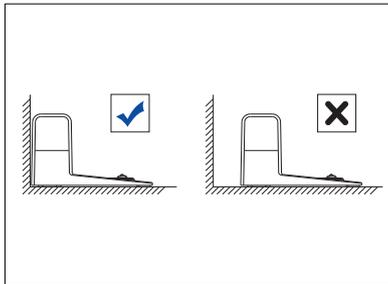
During cleaning, do not move the device frequently. If moved, place Coredy Robot FL022 back to the original position.

### 3.3 Quick Start

1. Tie up the redundant cable with a cable tie, otherwise, the cable may be dragged or disconnected the power supply to the charging dock.



2. Place the Charging Dock on a hard, level surface and position it against a wall.

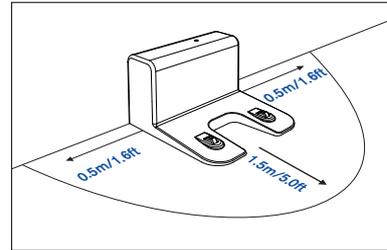


### 3. Charging Dock Position

Ensure a space of at least 0.5m on both the left and right sides of the charging dock, and a space of at least 1.5m in front of it.

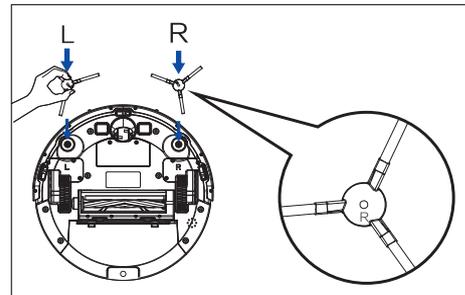
#### Note:

Do not expose the charging dock to sunlight directly.



### 4. Install Side Brush

Attach Side Brushes to the bottom of Coredy FL022 by pressing a brush into each slot until it clicks.

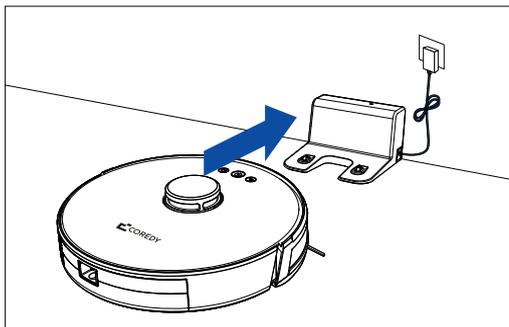


## 5. Activate the Robot

Before using the FL022 Robot, remove the protective strip from the FL022 Robot.

Place Coredy FL022 onto the Charging Dock, making sure the metal butting charging pole piece on the Charging Dock match up with those underneath the robot.

If successful, you will hear a series of tones. Once the  power button illuminates, Coredy FL022 is ready for use.



## 6. Charging

Place the FL022 Robot on the docking station to charge the FL022 Robot. During charging, the indicator blinks. When charging is completed, the indicator is steady. It takes about 6 hours to fully charge the FL022 Robot.

During the cleaning process, the FL022 Robot automatically checks its battery level. If the power is insufficient, the FL022 Robot activates the "Return to docking station" mode and automatically returns to the docking station for charging.

Alternatively, you can tap the "Return to docking station" button in the App to activate the "Return to docking station" mode of the FL022 Robot.

### Note:

Do not use the docking station in a highly reflective environment such as the environment exposed to direct sunlight or with mirrors nearby.

To ensure the normal working time of the FL022 Robot, fully charge the FL022 Robot before use. The charging time is about 6 hours.

To ensure the safety of charging and prevent the damp cloth from damaging the floor, remove the water tank before charging the FL022 Robot.

## 7. Start Cleaning Cycle

- Press the  power button and hold on about for 3 seconds to power on Coredy Robot FL022.
- Press the  power button again to start a cleaning cycle.

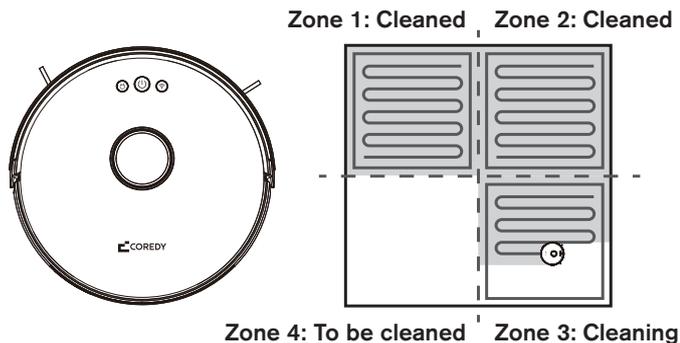
Coredy FL022 dynamically plans the cleaning route according to the map generated after scanning and completes the cleaning of different zones one by one. In each zone, Coredy Robot FL022 first sweeps the floor along the wall and then moves in bow-shaped cleaning mode to clean the remaining part of the zone in an orderly and efficient manner.

### Note:

If the power is too low, the robot cannot start cleaning. Therefore, charge the robot before starting it.

If the cleaning area is less than 2 square meters, the robot will clean the area twice by default.

If the power is insufficient in the cleaning process, the FL022 Robot will automatically return to the docking station for charging. When charged to 80%, the FL022 Robot will automatically return to the breakpoint to continue cleaning (ensure that you have enabled the “Continue cleaning at breakpoint”).



### 8. Pause

To pause the robot during a cleaning cycle press the  power button on robot.

To resume the cleaning cycle, press the  power button again.

To send robot back to the Charging Dock, press the  button on the robot.

### Note:

In pause state, if the robot returns to the docking station for charging, the current cleaning task is stopped.

### 9. Sleep Mode

The Coredy Robot FL022 will automatically enter sleep mode after 10 minutes of inactivity and the  power indicator. To wake it up, press any button or use the App.

### Note:

The robot will not enter sleep mode while on the charging dock.

The robot will automatically turn off after being in sleep mode for 12 hours.

### 10. Fault Status

If Coredy Robot FL022 encounters an error during operation, the power indicator blinks red quickly and you will hear a voice prompt. To check for a solution, please refer to the Troubleshooting section.

### Note:

The robot will automatically enter sleep mode after 10 minutes of inactivity.

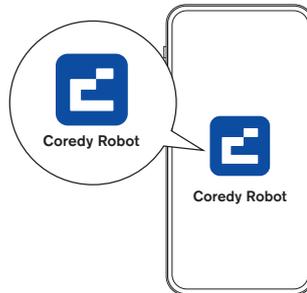
In faulty state, if the robot returns to the docking station for charging, the current cleaning task is stopped.

## 3.4 Use Your FL022 with the “Coredy Robot” App

To enjoy all available features, it is recommended to control your Robot via the Coredy Robot App.



Scan the QR code as below to download the latest version of App or download from the App Store (iOS devices) or Google Play (Android devices).

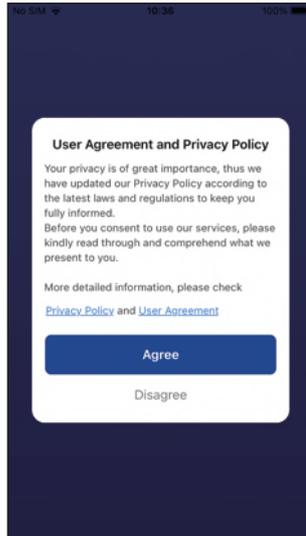


Before you start, make sure that:

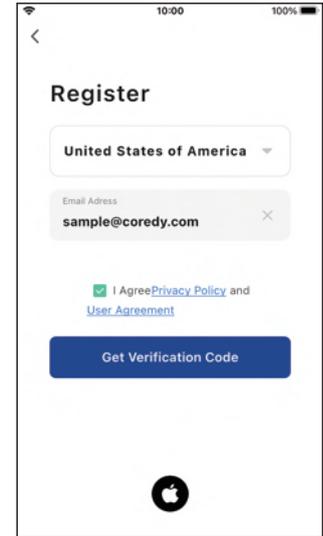
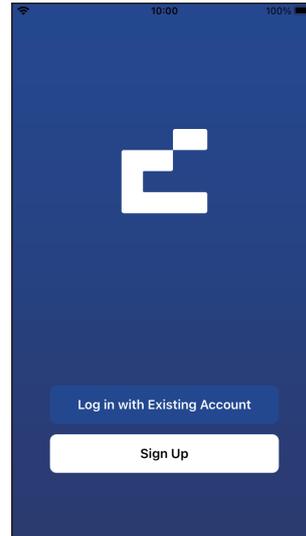
1. Your smartphone or tablet is connected to a 2.4GHz Wi-Fi network ( Only support 2.4GHz network).
2. Your smartphone or tablet is running iOS 11.0 (or above) or Android 5.0 (or above).
3. The Wi-Fi status light on Robot is slowly flashing blue.
4. Robot is attached to the Charging Dock to ensure it has enough power during setup.

# 1. Create a User Account

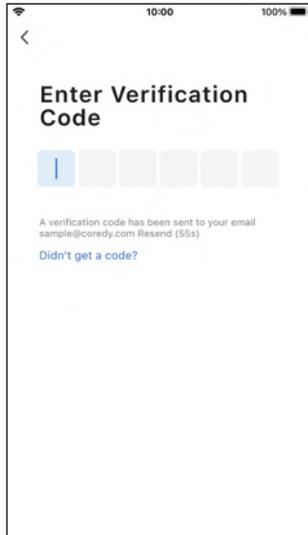
1. Open the Coredy Robot app and create a user account.



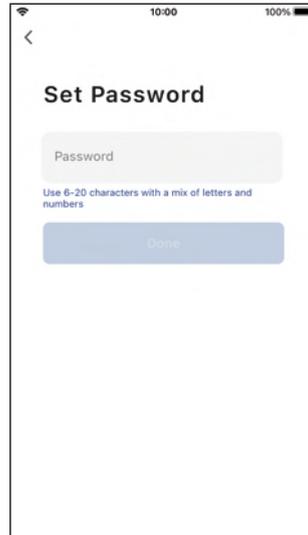
3. Create your Coredy account.



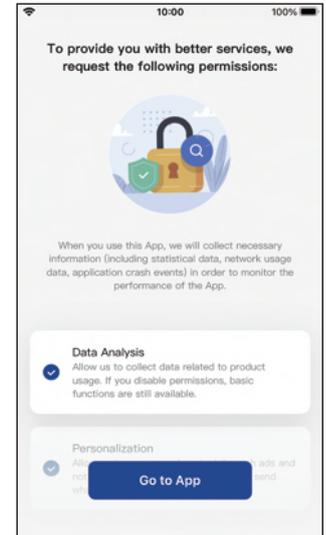
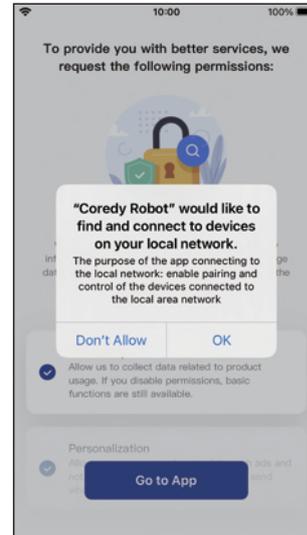
4. Enter the verification code.



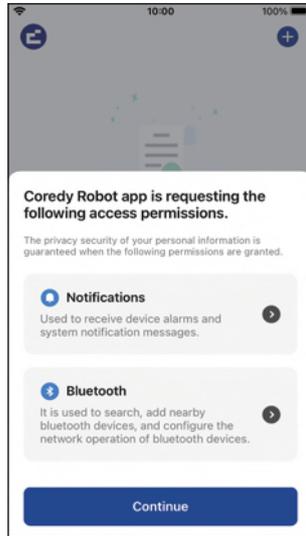
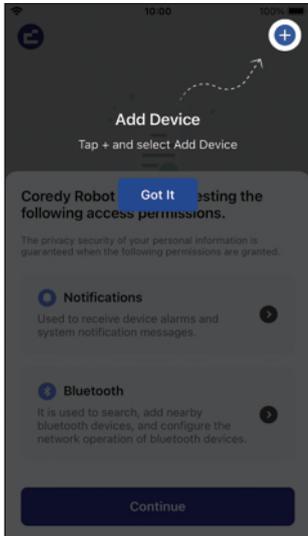
5. Set your password to 6~20 characters, and click "Done."



6. To provide better services, you can allow the following permissions (or not) for the App, then click "Go to App."

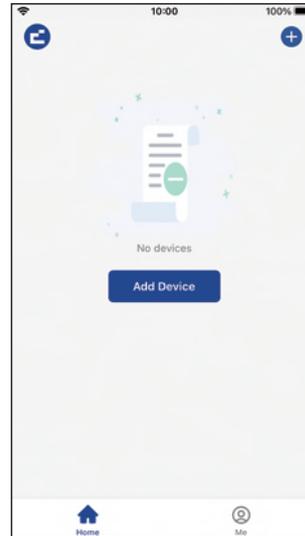


7. Enable the Corey App to send notifications, then click "Continue."

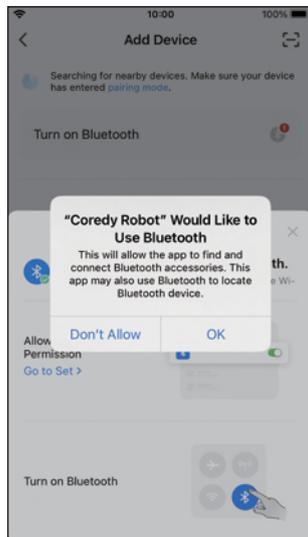
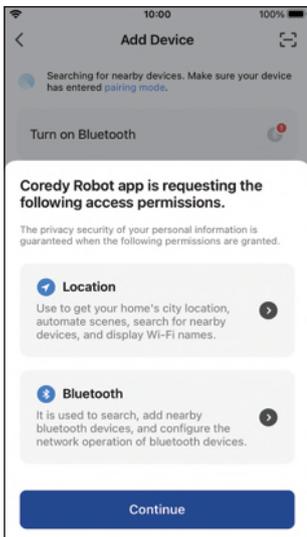


## 2. Add Device

1. Click "Add Device" or tap "+" in the upper right corner.



## 2. Enable Coredy App to get your location and use your Bluetooth.

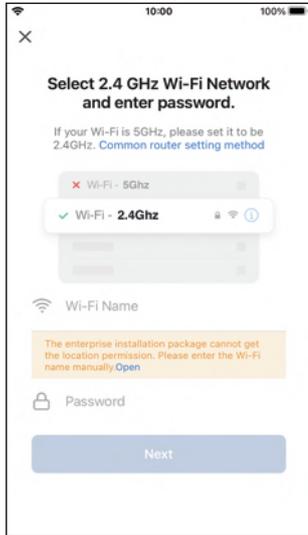


## 3. Add a Coredy FL022 Robot to your Coredy account.

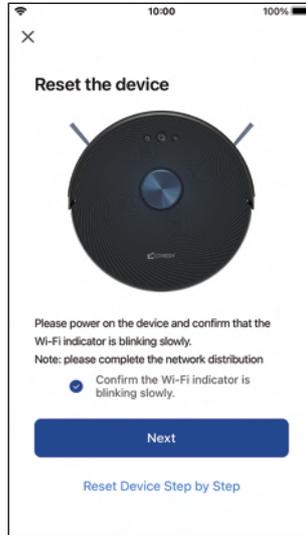


### 3. Wi-Fi Connection

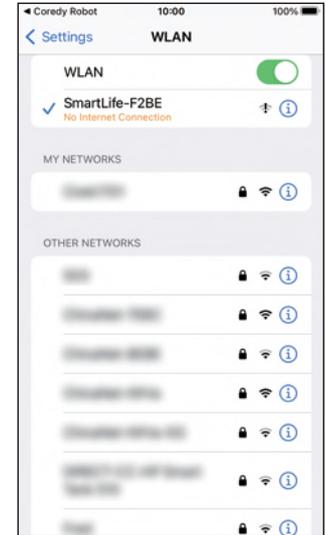
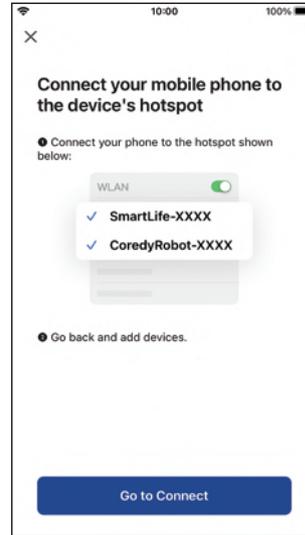
1. Select the network you want the Robot to use. You need to select an exact Wi-Fi as you use as usual. Enter your Wi-Fi password, and Click "Next" to connect.



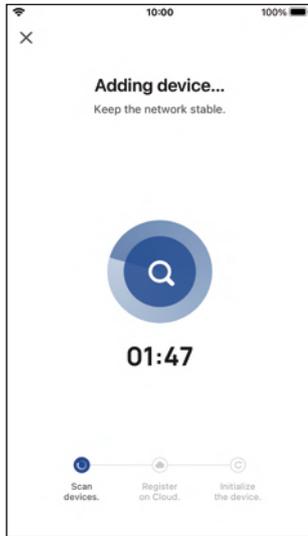
2. Press the Power Button (⏻) for 3 seconds to power the Robot, then press and hold the Wi-Fi Button (📶) for 3 seconds. You'll hear a voice prompt, and then 📶 slowly flash blue, click "Next."



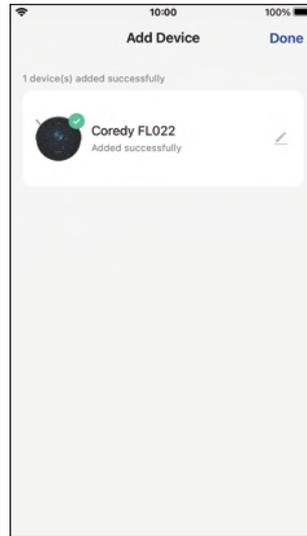
3. Click "Go to Connect" to connect the mobile phone to the device's hotspot. Next, select the hotspot "SmartLife-XXXX" to connect. Then, after successfully connecting to the hotspot, manually switch to the CoreDy Robot App.



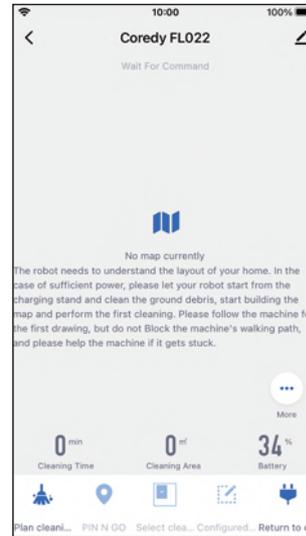
4. Wait for the connection progress to reach 100%



5. Your device is added successfully. Click "Done"



6. Wait 1-2 seconds for the Robot to be ready. Now you can control Coredy FL022 via the App. Click "More" to access additional features.



## 4. Reset the Wi-Fi Connection

When switching to a new router or your Wi-Fi password changes, you will need to reset Coredy Robot FL022's Wi-Fi connection. Press and hold the  on Robot for 3 seconds to reset the Wi-Fi connection. You can follow the Wi-Fi instructions in the Coredy Robot App to set up the Wi-Fi connection.

## 5. Coredy App Control

Follow the instructions in the App to set up the Wi-Fi connection.

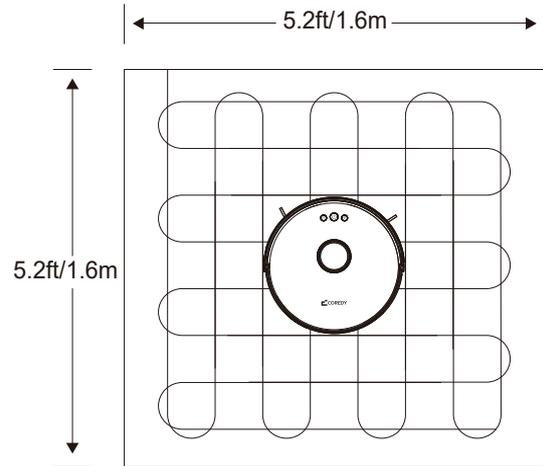
- After connecting successfully, you can control Robot via the App.
- With the App, you can select a cleaning mode, set the time, schedule a cleaning, receive notifications and access additional features.

### PIN N GO

You can use the App to specify a target point on the map. Coredy Robot FL022 will automatically plan the route and move to the specified point. If you specify a target point on the App when the Robot is in standby or pause state, Coredy Robot FL022 will clean the 1.6m x 1.6m square zone centered on this point. After cleaning, Coredy Robot FL022 will automatically return to the starting point and stop working.

#### Note:

If you activate PIN N GO when the Robot is in a paused state, the current cleaning task will be stopped.



### Selected zone cleaning

You can use the App to select one or more zones for cleaning. Coredy Robot FL022 will clean one or more rooms based on the zone that you have selected on the App map.

#### Note:

Before using this function, you need to enable the Map Save Mode for the Robot which you can set at Room Manage on the App.

After cleaning starts, the Robot may move to a place beyond the selected zone. Make sure that you have cleared the obstacles on the ground around the selected zone, which cannot be used for safety isolation.

## Set a no-go zone or virtual wall

You can use the App to set up restricted zone or virtual wall. After the setting is completed, Coredy Robot FL022 will not enter the restricted zone or cross the virtual wall for cleaning.

### Note:

Before using this function, you need to enable the Map Save Mode for the Robot which you can set at Room Manage on the App.

This function is only used to divide cleaning zones, but cannot be used to block dangerous zones.

If Coredy Robot FL022 is moved or there are significant changes in the home environment, the map may become invalid and the settings of the virtual wall or restricted zone may be lost.

## Scheduled cleaning

You can use the App to set the scheduled cleaning time. When the specified time arrives, Coredy Robot FL022 will automatically start cleaning, and return to the charging dock after it completes a cleaning.

## Configured zone cleaning

You can use the App to configure a zone for cleaning. Coredy Robot FL022 will start cleaning based on the zone that you plan on the App.

### Note:

After cleaning starts, the FL022 Robot may move to a place beyond the configured zone. Make sure that you have cleared the obstacles on the ground around the configured zone, which cannot be used for safety isolation.

## Cleaning suction mode

You can use the App to select the Eco, Standard, and Strong suction modes. The Standard mode is selected by default.

## Continue cleaning at breakpoint

With this function enabled, when the robot runs out of power during cleaning and the area has not been cleaned completely, the robot will come out and clean the area that was just not cleaned after recharging to 80%.

## DND MODE

During the Do-Not-Disturb (DND) period, Coredy Robot FL022 will not automatically continue cleaning or playing the voice prompt. You can use the App to disable the DND mode or change the DND time range.

## Y-Shaped Mopping

With this function enabled, the robot will clean the floor with the “Y” shape. If the robot is already cleaning, it will not change into the “Y” shape cleaning immediately. The robot will not start the “Y” shape until the next cleaning.

## More App Functions

Real-time map update	Volume adjustment
Cleaning record viewing	Map management
Robot voice changing	Firmware update
Robot positioning	Robot status viewing

### Note:

The functions and details of the App may change slightly due to continuous development and upgrade of the App. The specific functions and details of the App are subject to the actual version.

## 6. Using Amazon Alexa

Follow the instructions to control your Coredy device with Amazon Alexa. If you run into any difficulties during the process, please check for Troubleshooting.

### Before you start, make sure that:

Your Coredy device is connected with the Coredy Robot App. You have an Alexa-enabled device (i.e. Amazon Echo, Echo Dot and Amazon Tap).

The Amazon Alexa App is installed on your smart device and you have created an account.

## To control Coredy Robot with Amazon Alexa do the following steps:

1. Open the Alexa App and select "Skills & Game" from the  menu.
2. On the skills screen, search for " Smart Life".
3. Select your Smart Life skill, then press "Enable".
4. Login in your Coredy Robot account so Alexa can control your Coredy device.
5. Using "Smart Life" skill (for Robot only):  
You do not need to discover your device as you can control the Robot with your voice by saying specific commands. Alexa only supports two commands currently as following:  
"Alexa, turn on Coredy FL022"  
"Alexa, turn off Coredy FL022"
6. If you add two or more Robot devices to Coredy App, you can edit name for each Coredy robot on Coredy App or Alexa, they're Synchronous. After named, giving a command by using your robot name. Examples, named "Robot 1" then Alexa can support two specific commands as following:  
"Alexa, turn on Robot 1"  
"Alexa, turn off Robot 1"

## Troubleshooting

### What do I do if Alexa fails to discover my device?

Check if there are any Internet connection problems. Try to reboot the smart device and re-discover the device on Alexa.

### **Why does the device's status Show "Offline" on Alexa?**

Your wireless connection might have been lost. Reboot the smart device and re-discover on Alexa.

Internet access on your router could be unavailable. Check if your router is connected to the Internet and try again.

### **Why can't I control Coredy device with Amazon Alexa?**

Check if there are any Internet connection problems.

Check if you are using the proper commands when talking to Alexa. You must say the wake word "Alexa" first when making your request.

Repeat your question. Speak naturally and clearly to Alexa.

Make sure your Coredy device is at least eight inches away from walls or other objects that may cause interference (such as microwave ovens).

## **7. Using Google Assistant**

These instructions will help enable you to control your Coredy device with Google Assistant.

Your Coredy device is connected with the Coredy Robot App.

### **Before you start, please make sure that:**

You have a Google Assistant enabled device (i.e. Google Home).

The Google Home App is already installed on your smart device, and you have created an account.

### **To control Coredy device with Google Assistant:**

#### **For Robot only, do the following steps:**

1. Open the Google Home App.
2. Say "OK Google, talk to Robot" to the Google Assistant-enabled device (i.e. Google Home) to initiate the Google action for Robot.
3. Follow the instructions in the Google Home App to authorize Google Assistant with your Coredy Robot account.
4. To control Robot with your voice, say specific commands to Google Assistant:
  - "OK Google, turn on Coredy FL022"
  - "OK Google, turn off Coredy FL022"
  - "OK Google, pause Coredy FL022"
  - "OK Google, resume Coredy FL022"
  - "OK Google, dock Coredy FL022"

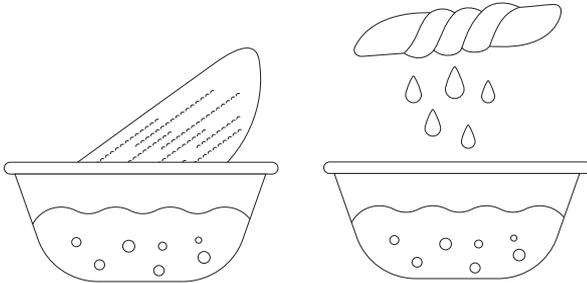
(Note: Only supports above commands currently.)

5. If you add two or more Robot devices to Coredy Robot App, you can edit name for each Coredy robot on Coredy App or Google Assistant, they're Synchronous. After named, giving a command by using your robot name. Examples, named "Robot 2" then Google Assistant can support the specific commands as following:

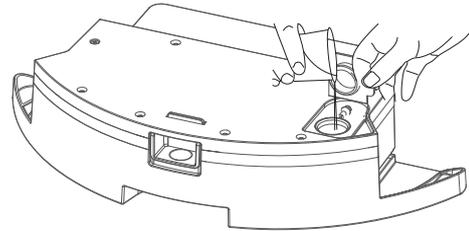
- "OK Google, turn on Robot 2"
- "OK Google, turn off Robot 2"
- "OK Google, pause Robot 2"
- "OK Google, resume Robot 2"
- "OK Google, dock Robot 2"

## 3.5 Using the Water Tank and Mopping Cloth

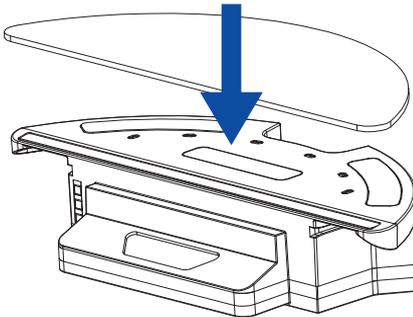
1. Wet the mopping cloth and wring it until it does not drip.



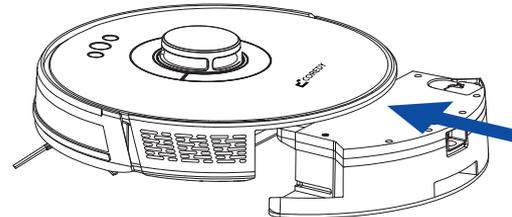
3. Fill the water tank with water.



2. Attach the mop cloth to the water tank.



4. Install the water tank into the bottom of robot.



## 4. Regular Maintenance

To achieve the best cleaning effect, clean and maintain the Robot regularly according to the table below.

Recommended cleaning and maintenance frequency:

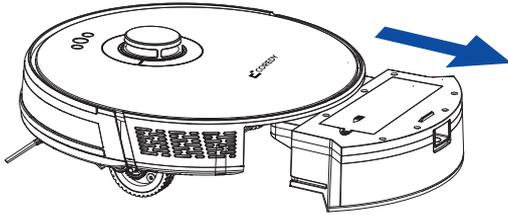
Robot Part	Care Frequency	Replacement Frequency
Filter	Once per week (twice per week in homes with pets)	Every 2-3 months
Roller Brush	Once per week (twice per week in homes with pets)	Every 3-6 months
Side Brush	Once per week (twice per week in homes with pets)	Every 2-3 months (or when visibly worn)
Brush Guard	Once per week	Every 3-6 months
Water Tank	After each use	Every 12 months
Washable Mopping Pad	After each use	Every 3-6 months (or when visibly worn)
Dust Bin	After each use	Every 12 months
Cliff Sensors	Once per week	/
Charging Contacts	Once per week	/
Universal Wheel	Once per week	/

### Note:

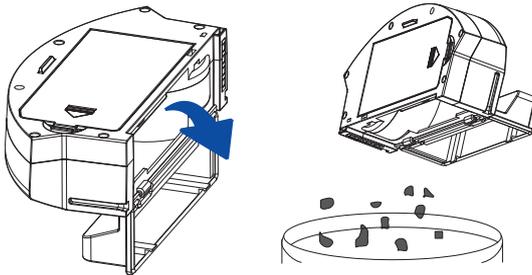
If you notice robot picks up less debris from your floor, then empty the bin, the filter and clean the rolling brush.

## 4.1 Emptying Robot's Bin

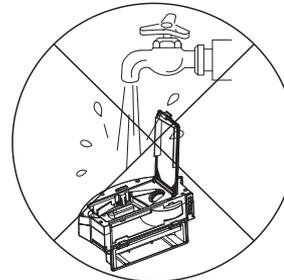
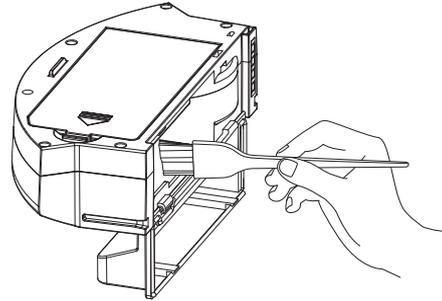
1. Press dust bin release button to remove it.



2. Open dust bin door to empty it.



3. Clean the dust bin with the cleaning brush.

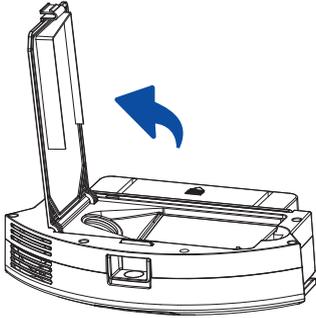


### Note:

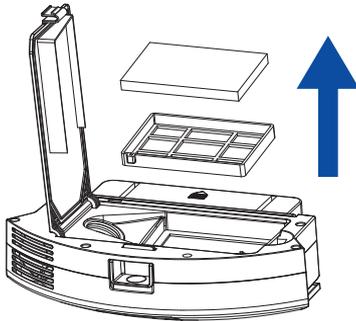
Dust bin with a fan inside, can not be directly washed with water.

## 4.2 Clean Robot's Filter

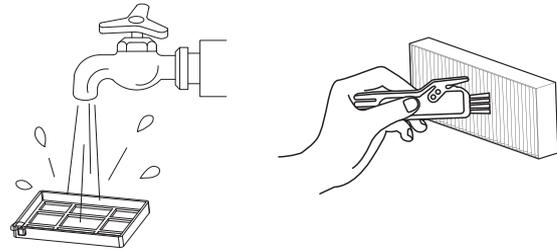
1. Open the filter cover.



2. Remove the HEPA filter and primary filter.



3. Wash the primary filter with water and clean the HEPA filter with the brush.

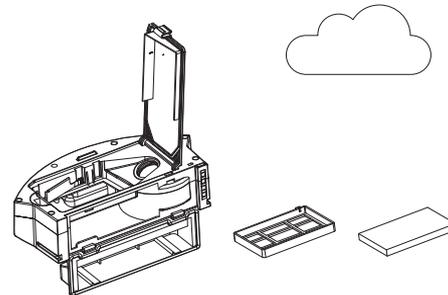


**Note:**

Water washing is not recommended for the HEPA filter.

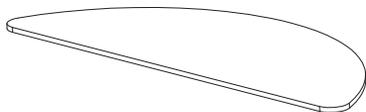
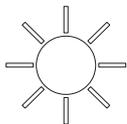
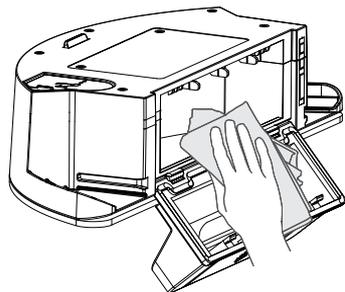
## 4.3 Dry the Dust Bin and Filter Components

Dry the dust box and filter components, and keep them dry to ensure their service life.



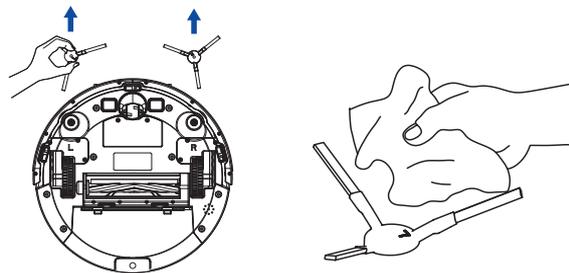


3. Dry or air dry the water tank and the mopping cloth.



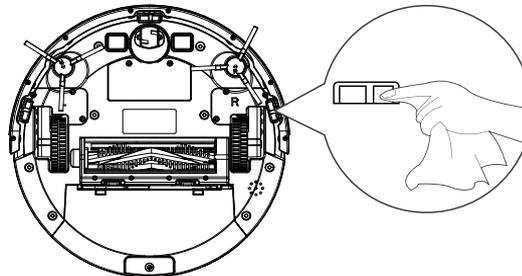
## 4.5 Clean Robot's Side Brush

Remove the brush first. Then clean the brush and the brush stand, and reinstall them.

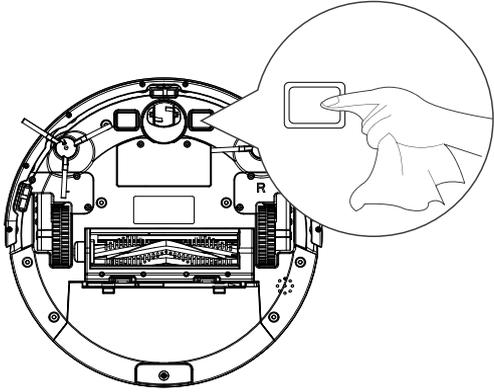


## 4.6 Cleaning Robot's Cliff Sensors and Charging Contacts

1. Wipe Robot's Cliff Sensors with a clean, dry cloth.

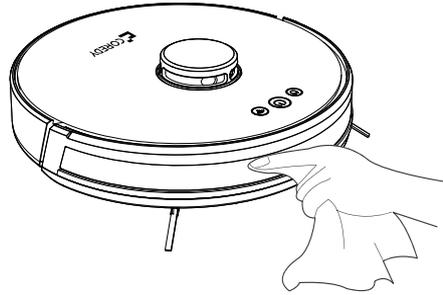


2. Wipe the charging contacts on Robot and the butting charging pole pieces with a clean, dry cloth.



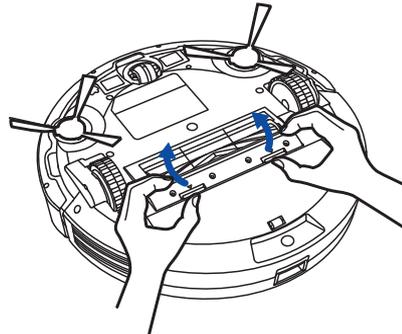
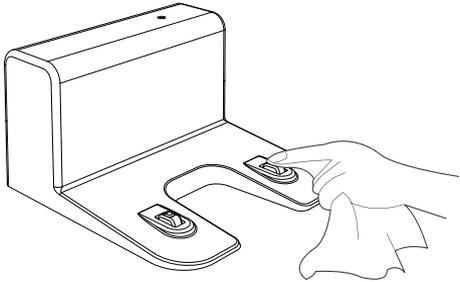
## 4.7 Cleaning Robot's Front Bumper

Use a clean, dry microfiber or soft cotton cloth to wipe both sides of the robot and clean any dirt debris trapped inside the bumper.

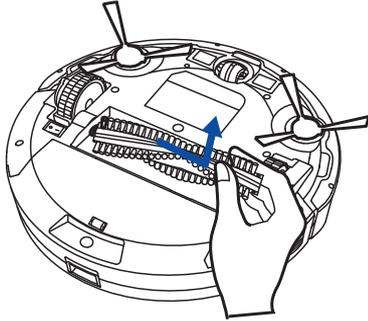


## 4.8 Cleaning Robot's Rolling Brush

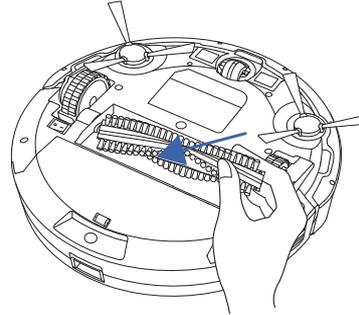
1. Press movable lid to unlock the brush guard as shown.



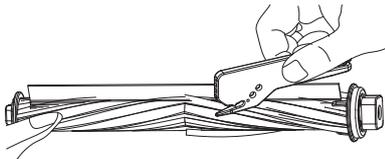
**2. Remove the rolling brush.**



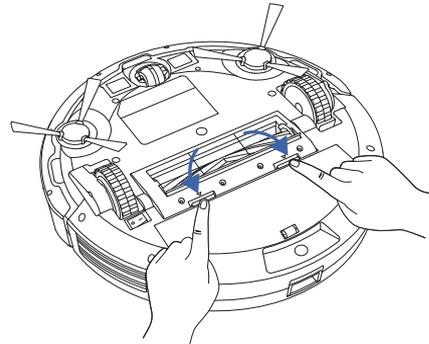
**4. Reinstall the rolling brush by inserting the fixed protruding end first and then clicking into place.**



**3. Clean the rolling brush with the cleaning tool provided.**



**5. Put the brush guard back into the previous place.**



## 4.9 Battery and Charging Information

### Lithium Ion Battery

**Important:** Lithium ion batteries and products that contain lithium ion batteries are subject to stringent transportation regulations.

If you need to ship this product (with the battery included) for service, travel or any other reason, you **MUST** comply with the following shipping instructions:

- Remove the lithium ion battery from the product
- Place a piece of tape over the battery's metal charging contacts
- Reinstall the battery (with the tape on it) in the product and secure the battery door
- Package the product in its original packaging or in your own packaging that prevents any movement during transportation
- Ship via ground transportation only (no air shipping)

### Battery Charging

To extend battery life, always keep robot charged on the Home Base when not in use.

### Battery Storage

If storing robot off of the Charging Dock, remove the battery first. Then store robot and the battery in a cool, dry place.

### Battery Disposal

Contact your local waste management authority for battery recycling and disposal regulations in your area.

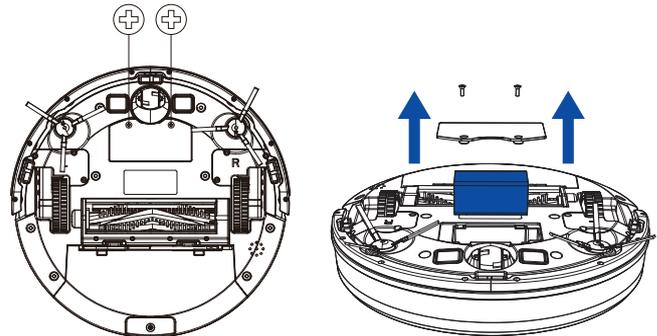
### Battery Replacement

You can visit Coredy's website <http://shop.coredy.com> to purchase the battery or other accessories for the robot.

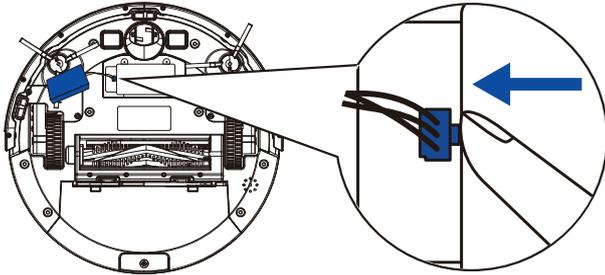
### Battery Removal

Follow these instructions to remove and reinstall robot's battery:

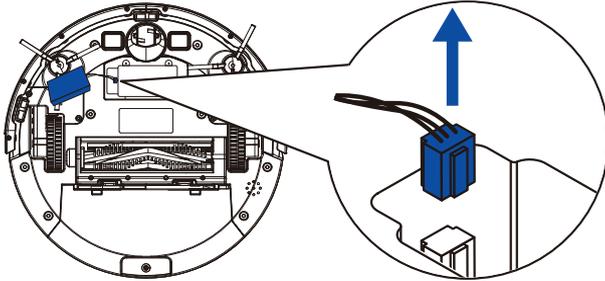
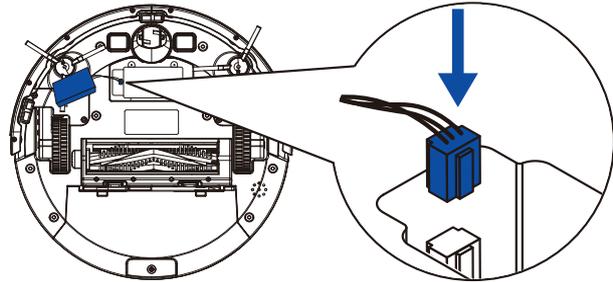
1. Unscrew the two screws on the battery cover, then remove the cover.



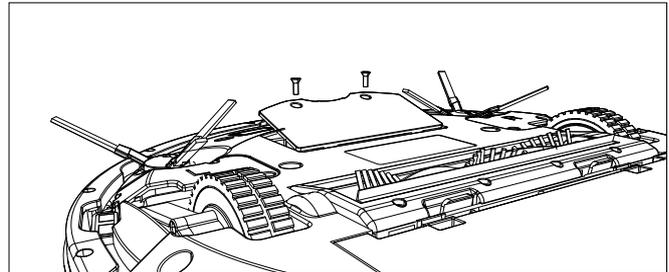
2. Unplug the Wire-to-Board connectors and remove the battery.



3. Reconnect the Wire-to-Board connectors and reinstall the replacement battery.



4. Reinstall the battery cover and the two screws.



## 5. Troubleshooting

When there is an abnormality in the operation of the robot, the power indicator light flashes red and voice prompts, please refer to the following table to solve the problem.

Error Prompts	Solutions
Error 1: Laser sensor is blocked or stuck, please check.	The laser sensor is blocked or jammed by dirt. Clean the laser sensor. If the obstacles cannot be removed, move the FL022 Robot to a new position and then start it.
Error 2: Collision sensor get stuck, please check the collision sensor.	The bumper is stuck. Tap the bumper several times to remove the debris. If there is no debris, move the FL022 Robot to a new position and then start it.
Error 3: Main roller brush is entangled, please clean it.	The roller brush may be entangled with debris. Please disassemble and clean the roller brush.
Error 4: Anti-fall sensor is blocked, please check and clean anti-fall sensor.	The FL022 Robot is suspended. Please move the FL022 Robot to a new position and then start it. This fault may occur when the cliff sensor is too dirty. Please wipe the cliff sensor.
Error 5: Side brush is entangled, please clean the side brush.	The side brushes may be entangled with debris. Please disassemble and clean the side brushes.
Error 6: Right/Left wheel is entangled, please clean the right/left wheel.	The wheel may be entangled with debris. Please clean the wheel and start the FL022 Robot again.
Error 7: The robot is trapped, please remove the robot.	The FL022 Robot may be stuck. Please remove the obstacles around the main unit.

Error Prompts	Solutions
Error 8: Low battery, please charge...	The power is insufficient. Please charge the FL022 Robot before using it.
Error 9: Top cover of laser is blocked or stuck, please check	The laser pressure sensor is pressed or stuck. Please move the FL022 Robot to a new position and then restart it.

Problems	Solutions
Failed to power on the machine	<p>The battery power is insufficient. Please use the FL022 Robot after charging it on the docking station.</p> <p>The battery temperature is too high or too low. Please use the FL022 Robot when the ambient temperature is 0°C to 40°C.</p>
Failed to charge the machine	<p>The docking station is not connected to the power supply. Please make sure that both ends of the docking station power cord are properly connected.</p> <p>The docking station is not in proper contact with the FL022 Robot. Please clean the butting charging pole piece on the charging dock and the FL022 Robot.</p> <p>Check whether the docking station indicator is on.</p>
Slow charging	<p>When used in a high or low temperature environment, the FL022 Robot will automatically decrease the charging speed to extend the battery life.</p> <p>The charging contact area may be dirty. Please clean the area with a dry cloth.</p>

Problems	Solutions
Failed to return to the docking station	<p>There may be too many obstacles around the charging dock. Please place the charging dock in an open area or remove the obstacles around the FL022 Robot.</p> <p>The FL022 Robot is too far away from the docking station. Try to place the FL022 Robot near the docking station.</p>
There is abnormal noise during cleaning.	<p>The roller brush, side brushes, or side wheel may be entangled with dirt or debris. Clean them after powering off the FL022 Robot.</p> <p>The universal wheel is covered by dust or is entangled during cleaning. It is recommended that you use a screwdriver to pull it out and reset it.</p>
The cleaning performance is degraded, or ash is dropped.	<p>The dust bin is full. Clean the dust bin.</p> <p>The filter is blocked. Clean the filter.</p> <p>The roller brush is entangled with dirt or debris. Clean the roller brush.</p>
The Wi-Fi network cannot be connected.	<p>The Wi-Fi function is not activated. Reset the Wi-Fi connection, and try again.</p> <p>The Wi-Fi signal is not good. Ensure that the FL022 Robot is located in a place with good Wi-Fi signals.</p> <p>The Wi-Fi connection is abnormal. Reset the Wi-Fi settings, download the App of the latest version, and try to connect to the Wi-Fi network again.</p> <p>The Wi-Fi network suddenly cannot be connected. The family router settings may be incorrect. In this case, contact the customer service for help.</p>
Scheduled cleaning cannot be carried out.	<p>The power is insufficient. Scheduled cleaning will be started only when the remaining power is more than 20%.</p>
Is any power consumed if the FL022 Robot always stays at the docking station?	<p>The power consumption is extremely low when the FL022 Robot always stays at the docking station. This helps to keep the battery in the best performance.</p>

Problems	Solutions
Is it necessary to charge the battery for 16 hours when the FL022 Robot is used for the first three times?	The lithium battery does not have a memory effect. It can be used instantly after it is fully charged. There is no need to wait 16 hours.
The mopping module does not output water or the water output is small.	<p>Check whether there is any water in the water tank. Use the App to set the water output to the maximum value.</p> <p>Install the mopping cloth and mop stand properly according to the manual.</p>
The power is insufficient during cleaning. After the FL022 Robot returns to the docking station for charging, it does not continue cleaning.	<p>Check whether the FL022 Robot activates "Continue cleaning at break point" mode on App.</p> <p>Check whether the FL022 Robot is in DND mode. The FL022 Robot will not continue cleaning in DND mode.</p> <p>The FL022 Robot will not continue cleaning if the FL022 Robot is manually put back into the docking station.</p>
The FL022 Robot cannot return to the docking station after partial cleaning or after its position is moved.	<p>The FL022 Robot will re-generate a map after partial cleaning or after it is moved far away.</p> <p>If the FL022 Robot is far away from the docking station, the FL022 Robot may fail to return to the docking station by itself. In this case, manually put the FL022 Robot back to the docking station.</p>
The FL022 Robot misses some areas when cleaning.	The front bumper or cliff sensor may get dirty. It is recommended that you wipe the sensors using a soft dry cloth.

## 6. Wi-Fi Connection

Before Wi-Fi setup, make sure Coredy Robot FL022 and your Wi-Fi network meet the following requirements.

### Wi-Fi Setup Requirements

- Coredy Robot FL022:
  - Coredy Robot FL022 is fully charged.
  - Wi-Fi status light slowly flashes blue.
- Wi-Fi Network:
  - Use the correct password for your network.
  - Do not use a VPN (Virtual Private Network) or Proxy Server.
  - Your Wi-Fi router supports 802.11b/g/n and IPv4 protocol.
  - You are using a 2.4GHz router or a dual-band router that is configured to support a 2.4GHz frequency band.

Coredy Robot FL022 does not support 5GHz frequency band.

If Coredy Robot FL022 cannot connect to the Wi-Fi network and you are using a 2.4/5GHz mixed network, switch to a 2.4GHz network for Wi-Fi setup. You can switch back once your setup is complete.

When connecting to a hidden network, make sure you enter the correct network name, SSID (case sensitive), and connecting to a 2.4GHz wireless network.

When using a network extender/repeater, make sure the network name (SSID) and password are the same as your primary network.

The firewall and port settings of your Wi-Fi router allow Coredy Robot FL022 to connect with the Coredy servers.

### Network Security Requirement

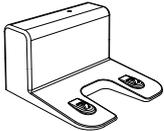
- WPA and WPA2 using TKIP, PSK, AES/CCMP encryption.

### Wi-Fi Channels

- The FCC requires that all wireless devices in the United States operate on the 1-11 wireless spectrum channels.
- Some countries outside North America can use spectrum channels higher than channel 11. Refer to your local regulatory agency to determine which channels are accessible.
- A future software release will support access to channels above 11 for users outside North America. Until then, use channels 1-11.

If you cannot control Coredy Robot FL022 with your smartphone, please contact the Coredy service center for help.

## 7. Specifications

	Product Model	FL022
	Input	19 V  0.6 A
	Battery Voltage	DC 14.4 V
	Power Consumption	30 W
	Battery Type	DC 14.4 V Li-ion 2500mAh
	Dust Collector Capacity	0.6 L
	Water Tank Capacity	0.35 L
	Cleaning Time	Max. 110 mins
	Charging Time	360 mins
	Input	19 V  0.6 A
	Output	19 V  0.6 A

## FOLLOW US:



@CoredyOfficial



@Coredy Official



@coredylife

## CONTACT US:

US COST FREE Tech Support: +1 (800) 999 8470 (PST Mon-Sun 06:00~02:00)

UK COST FREE Tech Support: +44 (808) 134 9909 (GMT Mon-Sun 14:00~10:00)

Model: FL022

E-mail: [support@coredytech.com](mailto:support@coredytech.com)

Website: <http://shop.coredy.com>