

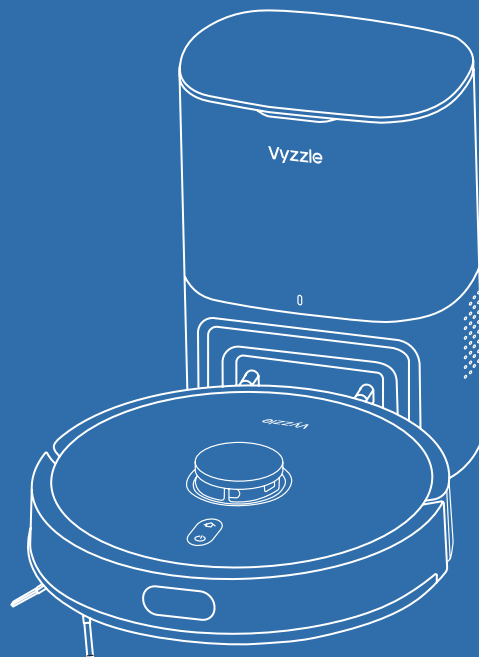
# ROBOT VACUUM CLEANER

## USER MANUAL

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E20

Vyzzle



## Scan the QR code to download the app and obtain the WiFi connection tutorial



Compatible with iOS 13.0 and higher

Compatible with Android 8.0 and higher

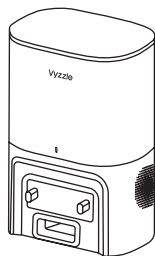
### **Note:**

1. Only 2.4GHz Wi-Fi is supported.
2. The router, mobile phone, and robot vacuum cleaner should be as close as possible to ensure smooth connection.

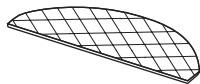
# CONTENTS

1. Product Introduction	6
2. Install the Robot-	10
3. Direction for Use	13
4. Daily Maintenance	15
5. Basic Parameters	23
6. Frequently Asked Questions	25
7. Troubleshooting-	26
8. Safety Information	27

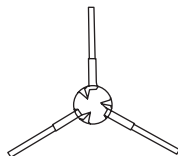
# 1. Product Introduction



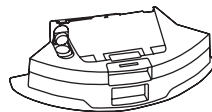
Auto-Empty Station\*1



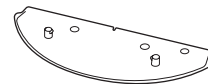
Mop\*1



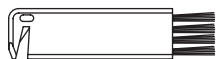
Side Brush\*1



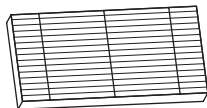
2 in 1 dustbin & water tank\*1



Mop bracket\*1



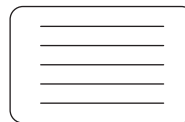
Cleaning brush\*1



HEPA filter\*1

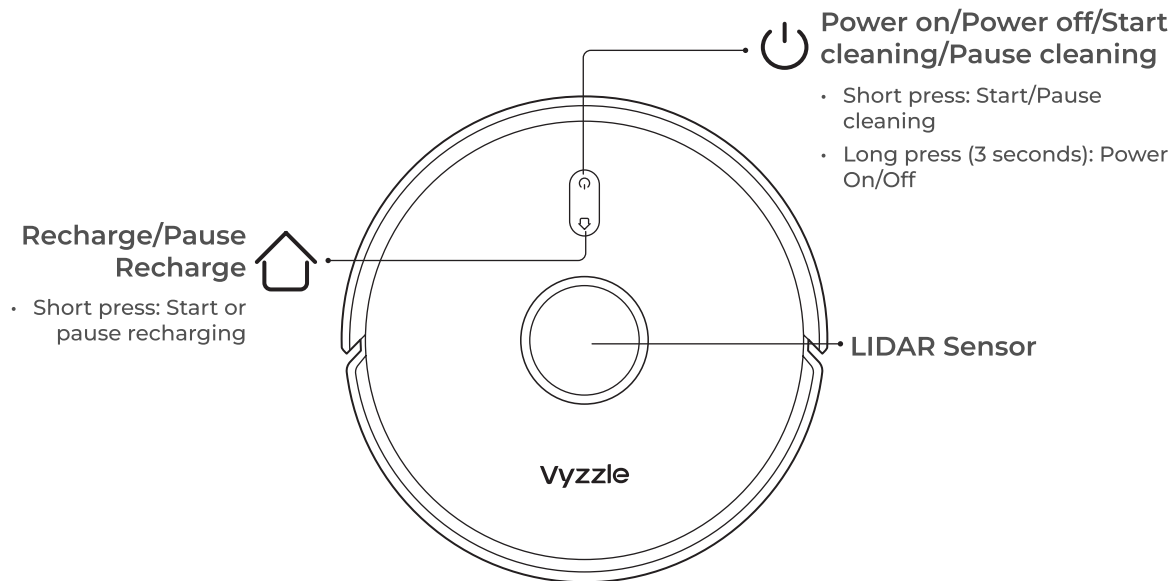


Dust bag\*1



User manual\*1

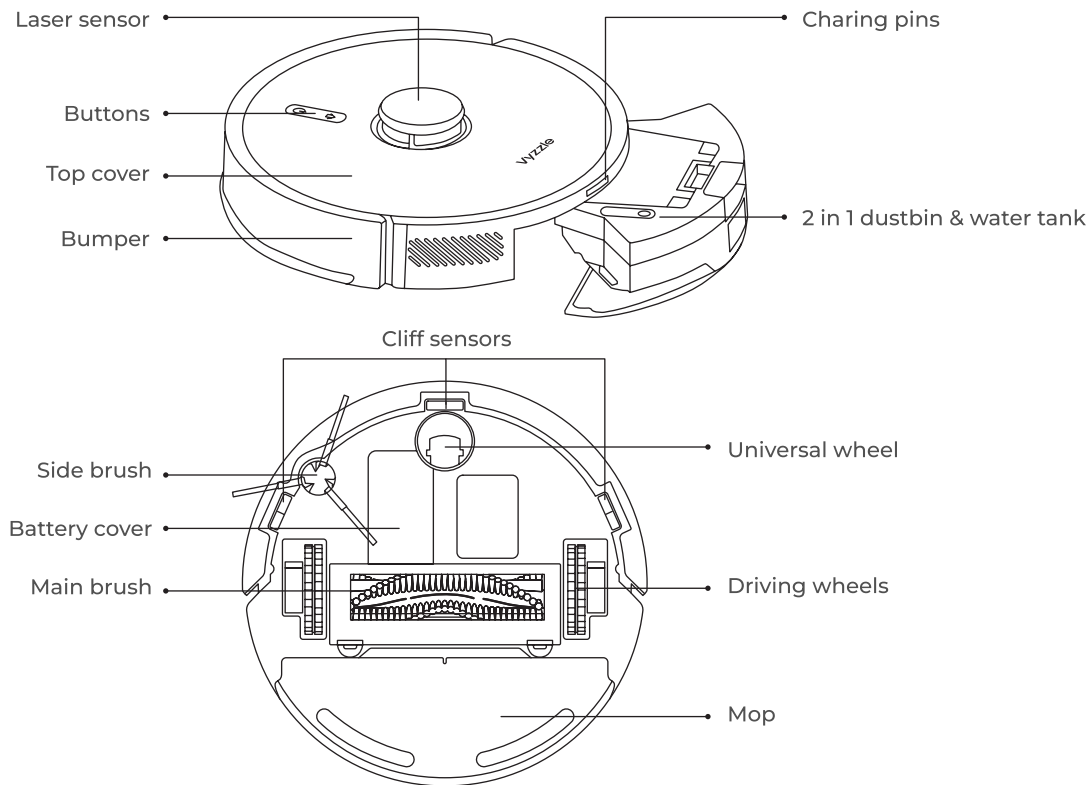
## Main Unit



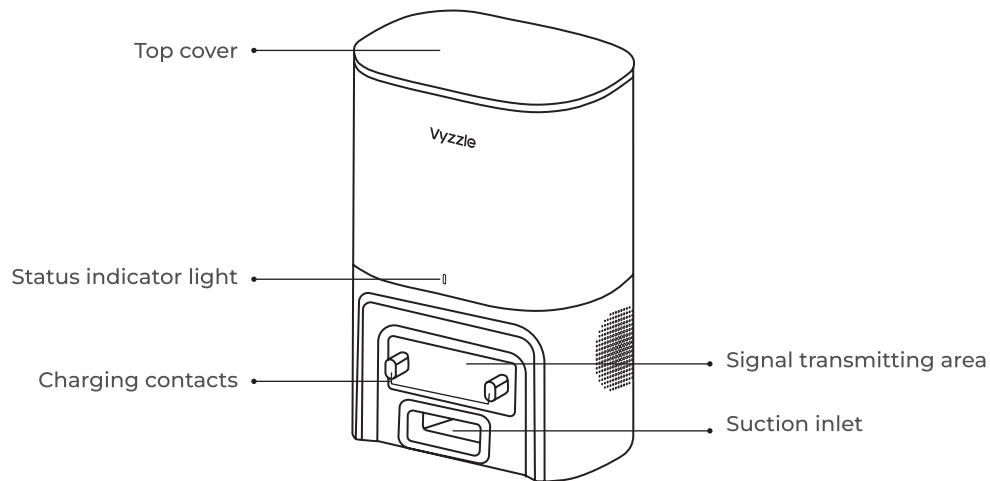
## Indicator light

- Solid white: Standby, cleaning, or recharging (battery  $\geq 15\%$ )
- Breathing white: Charging
- Slow blinking white: Connecting to network
- Flashing red: Battery  $< 15\%$  or device error

## Sensors and structure



## Auto-Empty Station

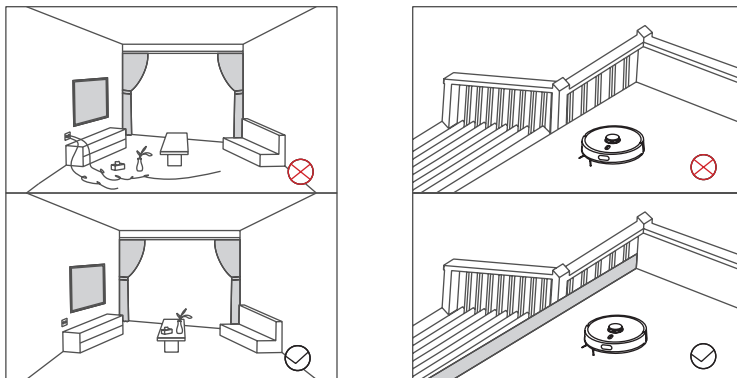


### Power indicator

- Solid white: The robot is fully charged or in standby mode
- White Light off: Power is not connected
- Breathing white: The robot is charging
- Flashing red: Dust bag is missing or there is an error

## 2. Install the Robot

1. Before starting the robot, please remove any loose cables, hard or sharp objects (such as nails or glass), and lightweight, fragile or valuable items from the floor. This helps avoid entanglement, jamming, dragging, or collisions that could cause personal injury or property damage.
2. If the robot is used in an elevated area, install a guardrail to prevent it from falling or pushing items off the edge, which could lead to injury or damage.

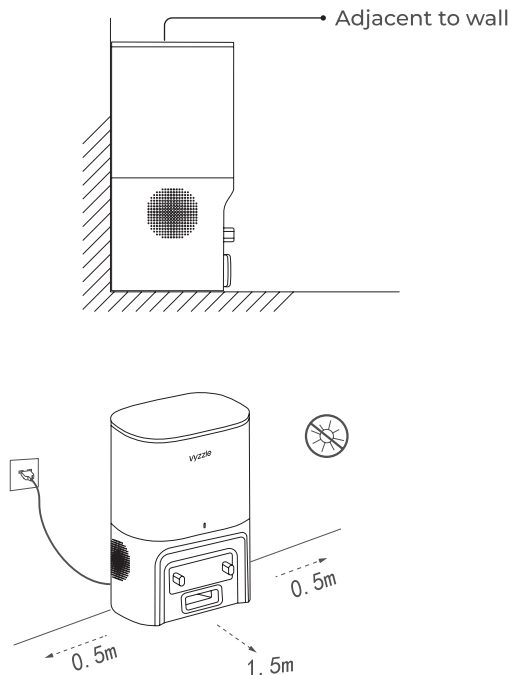


**Note:** 1. It is recommended to follow the robot throughout the first cleaning to help deal with some of the problems that may exist, and then the robot will be able to carry out autonomous cleaning smoothly in the subsequent cleaning.

2. If some areas do not need to be cleaned or may get the robot stuck, you can set a restricted area in the mobile APP to prevent the host from entering the above areas.

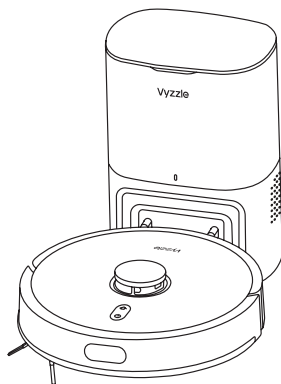
3. Do not let the robot absorb hard or sharp objects (such as decoration waste, glass, nails, etc.), otherwise it may scratch the robot and the ground.

3. Place the Auto-Empty Station against a wall. Ensure there is at least 0.5 meters of clearance on each side and 1.5 meters of open space in front.



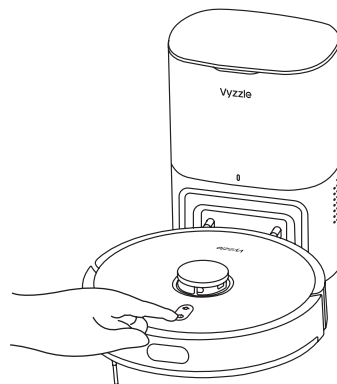
**Note:** Exposure to direct sunlight may interfere with the charging signal and prevent the robot from docking properly.

4. Before use, place the robot on the Auto-Empty Station to charge.



## 5. Startup and Charging



- Press and hold the power button for 3 seconds to turn on the robot. Wait until the indicator light stays on steadily. Then place the robot onto the Auto-Empty Station to begin charging.
- You will hear a voice prompt: "Charging," indicating that the robot is successfully charging.



**Note:** If the robot cannot be turned on due to low battery, place it on the Auto-Empty Station. The robot will start automatically once it begins charging.

## 3. Direction for Use

### Power and Cleaning Controls Power On / Off

- To power on: Press and hold the power button  for 3 seconds until the indicator lights turn on.
- To power off: While in standby mode, press and hold the power button  for 3 seconds until the lights turn off.

**Note:** The robot cannot be turned off while it is charging.

### Start / Pause Cleaning

After powering on, press the start button or use the mobile app to begin cleaning.

**Note:** The robot is not designed to clean liquids.

- If the battery is below 15%, the cleaning task cannot begin. Please charge the battery first.
- If the battery drops below 15% during cleaning, the robot will automatically return to the Auto-Empty Station for charging.

### Charging Instructions

#### Charging Modes

- Automatic Mode: After cleaning, the robot automatically returns to the Auto-Empty Station to recharge.
- Manual Mode: You can press the recharge button or use the app to start recharging manually.

**Note:** If the robot cannot locate the Auto-Empty Station, it will return to the starting point. Please manually place the robot on the station to charge.

## Cleaning Path and Modes

### Cleaning Process

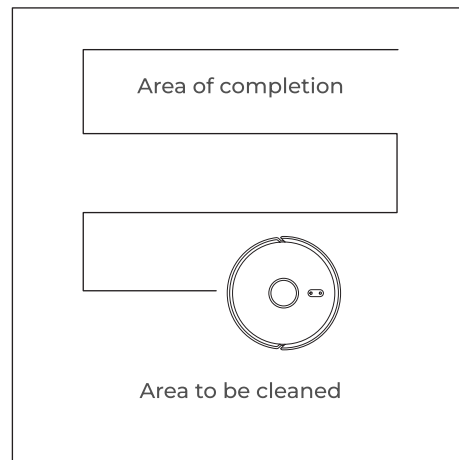
- After cleaning begins, the robot will first clean along the edges, then proceed to clean the entire area in a zigzag pattern. Once cleaning is complete, the robot will automatically return to the charging dock.

### Adjusting Settings via App:

- Suction Power: Silent / Standard / Powerful / Max.
- Water Level: Low / Medium / High.

### Appointment cleaning

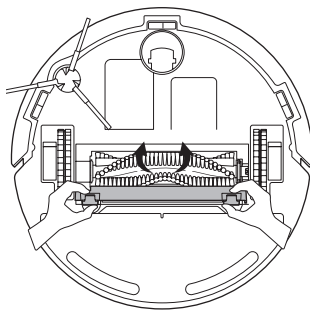
You can set a scheduled cleaning time using the mobile app. The robot will automatically begin cleaning at the designated time.



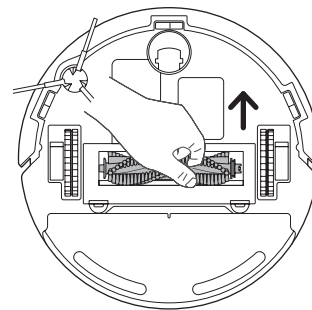
## 4. Daily Maintenance

### Main bursh (recommended cleaning once a week)

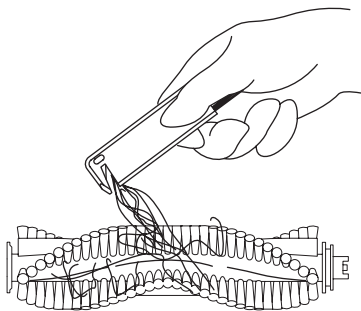
1. Turn the robot over and press the latch on the main brush cover to remove it.



2. Remove the main brush.



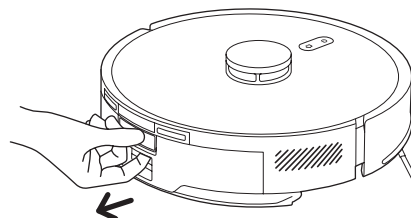
3. Clean the main brush and its cavity using the provided cleaning brush. Remove any hair or debris entangled around the brush.



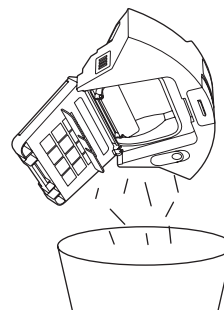
## Dustbin and filter

(recommended to be cleaned after each cleaning)

1. Press the button on the back of the robot to remove the dustbin.



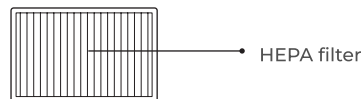
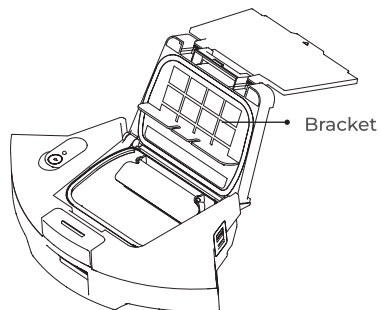
2. Press and hold the dust box switch to open the dustbin and dump the garbage.



## Clean the Dustbin

(Recommended: once per week)

1. After extended use, remove the HEPA filter.
2. Rinse the dustbin under a faucet with water.
3. After cleaning, dry the dustbin and filter completely. Do not use until both are fully dry.

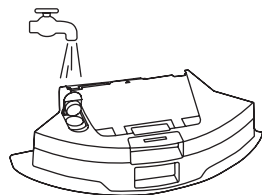


### Note:

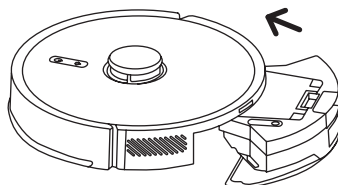
- Rinse only with clean water. Do not use detergent.
- Do not use brushes or fingers to clean the HEPA filter.
- Allow the HEPA to dry thoroughly for at least 24 hours.
- It is recommended to replace the HEPA filter every 3 months.

## water tank

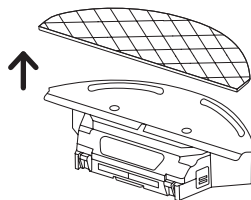
Do not use the mop function on the carpet. After the mop is completed, please empty the water tank and remove the mop in time.



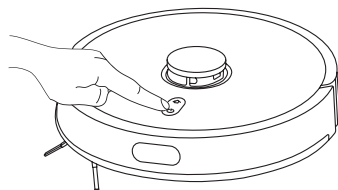
Add water



Installing the water tank

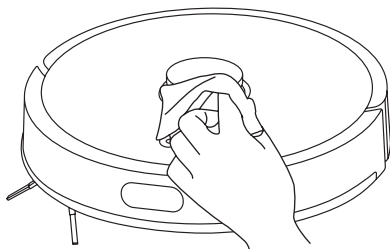


Install the mop

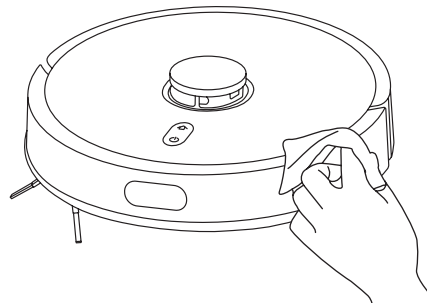


Start mopping

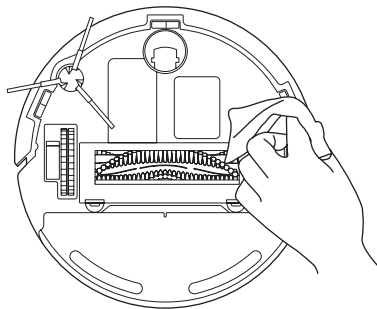
**Clean the laser detection sensor**  
(monthly cleaning is recommended)



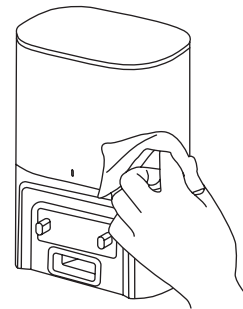
**Clean the charging contacts of the robot**  
(monthly cleaning is recommended)



**Cleanup cliff sensor**  
(monthly cleaning is recommended)



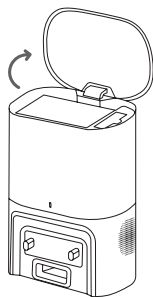
**Clean the charging contacts of the auto-empty station**  
(monthly cleaning is recommended)



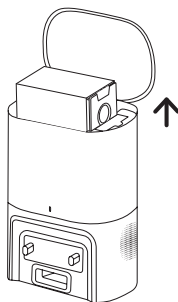
## Dust bag replacement

When the robot prompts that the dust bag is full, replace it promptly. Dust bags are consumables and should be purchased via official channels.

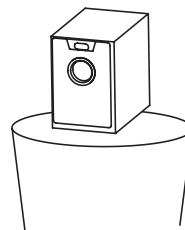
1. Open the top lid



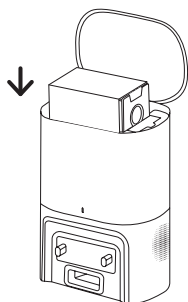
2. Lift the dust bag upwards



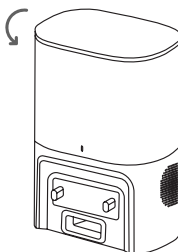
3. Discard the used dust bag



4. Install a new dust bag



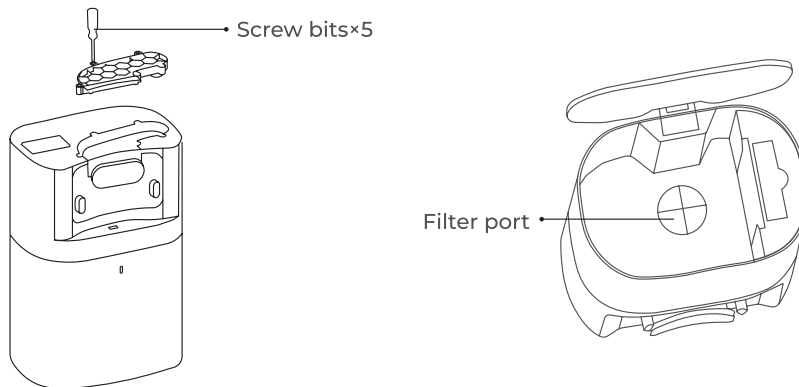
5. Close the lid



## Clean the dust collection channel and filter port

If dust collection performance is poor even after replacing the dust bag, unplug the power cord and turn the Auto-Empty Station upside down to inspect the dust tunnel.

- Use a screwdriver to remove the dust duct cover and clean any foreign objects inside.
- Remove the dust bag and inspect the filter port for obstructions. Clean the port if necessary.



## Firmware upgrades

Access the firmware upgrade feature through the mobile app. When a new version is detected, follow the prompts to upgrade.

**Note:** Firmware upgrade requires at least 30% battery. It is recommended to keep the device on the Auto-Empty Station during the process.

## Battery Maintenance

- The robot uses a built-in rechargeable lithium battery. To maintain optimal performance, keep it regularly charged.
- If not used for an extended period, fully charge the robot, turn it off, and store it.
- Charge at least once every 3 months to prevent over-discharge.
- Only use the included power adapter for charging.
- The lithium battery supports frequent charging and can be used once fully charged.

## 5. Basic Parameters

### Main Unit

Parameter	Main Unit
Product model	E20
Dimensions	330x330x100mm
Battery	4S1P 2600mAh lithium battery
Rated voltage	14.4V <sub>nom</sub>
Rated power	45W
Charging time	≈5H
Capacity	250ml
Water tank capacity	300ml
Frequency Range	2412~2472 MHz
Max. RF Power	17 dBm

# Auto-Empty Station

Parameter	Auto-Empty Station
Dimensions	228x162x330mm
Rated outputs	20V $\approx$ 0.6A
Power	650W
Dust bag capacity	3.5 L

## 6. Frequently Asked Questions

Problem	Solution
Robot freezes or cannot turn on	If the battery is low, place the device on the Auto-Empty Station. It will start automatically. If the environment temperature is below 0°C, use the robot in a 0–40°C range.
Charging failure	Poor contact. Clean the charging contacts.
Recharge failure	The robot may be too far from the Auto-Empty Station. Move it closer.
Abnormal behavior	The main brush, side brush, or wheels may be tangled. Stop the robot and clean them.
Reduced cleaning performance or dust leakage	The filter may be blocked. Clean or replace it. Also, check and clean the main brush. Empty the dustbin.
Unable to connect to Wi-Fi	Ensure the robot is within a 2.4GHz Wi-Fi signal range. Reset the Wi-Fi and update the mobile app.
Scheduled cleaning doesn't work	Make sure the battery is above 15%, otherwise the robot will not start the scheduled cleaning.

## 7. Troubleshooting

Prompt	Resolution
Please put back the dust box	Cleaning is triggered when the water tank is removed. Please reinstall the tank.
Please place the machine on level ground	Robot may be lifted or suspended. Place it on a flat surface before starting.
Please move away from the virtual wall	Move the robot to a non-restricted area before starting.
The machine is trapped, please move	Remove obstacles around the robot.
Positioning failed, rebuild the map	Map data is lost. Replan the cleaning path.
Check if the main wheel is stuck	Main wheel is jammed. Clean any debris.
Check if the main brush is stuck	Main brush is entangled. Clean it.
Check if the side brush is stuck	Side brush is jammed. Clean any debris.
Check the front anti-collision sensor	Clean and maintain the sensor.
Check the right wall-follow sensor	Clean and maintain the sensor.
Check the crash barrier	If stuck, clean and maintain the collision sensor.

## 8. Safety Information

### Restrictions on use

- Plastic bags are dangerous, so keep them away from infants and children to avoid the risk of suffocation.
- This product should only be used for floor cleaning in the home environment, and should not be used outdoors (such as open balconies), non-floor (such as sofas), commercial or industrial environments.
- Do not use in suspended environments (e.g., compound floors, open balconies, rooftops of homes) without protective fences.
- Do not use above 40°C, below 0°C, or on the ground with any liquid or viscous matter.
- Before use, please hang the cable on the ground at home to avoid dragging the cable when the host is running.
- Please put away fragile items and sundries (such as vases, plastic bags, etc.) placed on the ground to avoid obstruction or collision of the main engine during operation, resulting in damage to valuables.
- Do not allow persons (including children) lacking intelligence, perception, experience, or common sense to use this product without supervision or instruction.
- Do not allow young children to use this product.
- Do not place the main brush cleaning tool in an area accessible to children.
- Do not allow human or pet hair, fingers and other parts close to the suction port of the machine when the main unit is working.
- Do not use to clean any burning objects (e.g. unextinguished cigarette butts).
- Do not lifting robot by catching the LIDAR cover, top cover or bumper.
- To clean and maintain the host and dust charging pile, you must first shut down the machine and pull the plug from the socket to disconnect the power supply.
- Do not immerse the robot and charging dock in water for cleaning or rinsing with water.
- Do not use a damp cloth or any liquid to wipe any part of this product.

- Do not use the mopping module on carpet.
- Do not use in direct sunlight.
- Please use this product in accordance with the instructions in the manual, any loss caused by improper use shall be borne by the user.

## Battery and charging

- Even if the product is seriously damaged, do not burn or incinerate it, as the internal battery may explode.
- Do not use third-party batteries, chargers, or Auto-Empty Stations.
- Do not disassemble, repair, or modify the battery or Auto-Empty Station without authorization.
- Keep the Auto-Empty Station away from heat sources (e.g., radiators).
- Do not clean the charging contacts with a wet cloth or with wet hands.
- Dispose of used batteries properly. Before discarding the robot vacuum, disconnect the power and remove the battery for environmentally responsible disposal.
- If the power cord is damaged, it must be replaced by a qualified professional from the manufacturer or an authorized service provider.
- When transporting the product, make sure the robot is turned off. It is recommended to use the original packaging.
- Do not immerse the robot in water.

## Children and Supervision

- Children under the age of 8 and individuals with reduced physical, sensory, or mental capabilities must be supervised while using this product.
- If the product will not be used for a long time, fully charge it, turn it off, and store it in a cool, dry place.
- Charge the robot at least once every 3 months to prevent damage due to over-discharge.