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## ROBOT VACUUM CLEANER

### INSTRUCTION MANUAL

Please read the Manual carefully before use, and keep it properly.

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## SAFETY INSTRUCTIONS



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

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

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

1. Do not use outdoors or on wet surfaces.
2. Do not allow to be used as a toy. Close attention is necessary when used by or near children, pets or plants
3. Use only as described in this manual. Use only manufacturer's recommended attachments
4. Do not use with damaged cord or plug. If appliance or docking station is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.
5. Do not pull or carry by cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
6. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
7. Do not handle charger, including charger plug, and charger terminals with wet hands.
8. Do not put any objects into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
9. Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
10. Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
11. Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
12. Do not use without dust bin and /or filters in place.
13. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the appliance. Carrying the appliance with your finger on the switch or energizing appliance that have the switch on invites accidents.
14. Disconnect the battery pack from the appliance before making any adjustments, changing accessories, or storing appliance. Such preventive safety measures reduce the risk of starting the appliance accidentally.
15. Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
16. Use appliance only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
17. When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
18. Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
19. Do not use a battery pack or appliance that is damaged or modified. Damaged or modified battery may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
20. Do not expose a battery pack or appliance to fire or excessive temperature. Exposure to fire or temperature above 130°C may cause explosion.

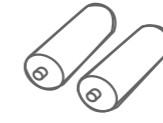
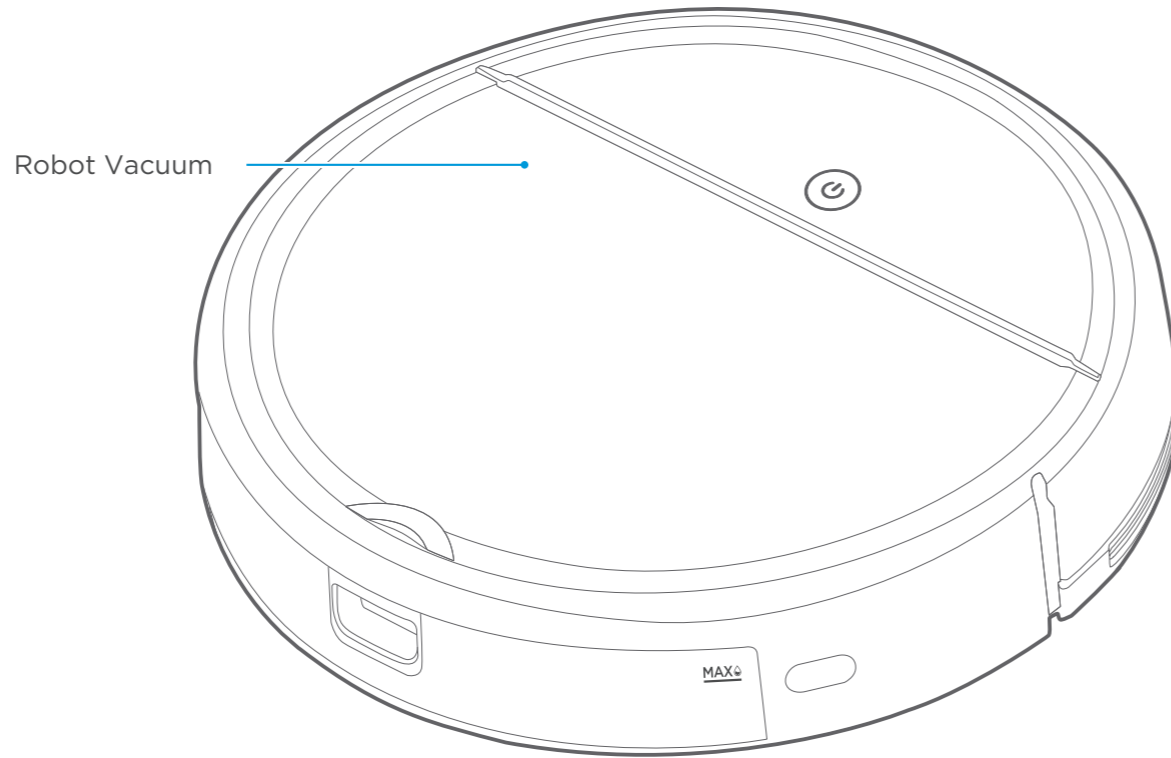
## CAUTION

21. Do not use and store in extremely hot or cold environments (below 4°C or above 40°C). Please charge the robot in temperature above 4°C and below 40°C.
22. Follow all charging instructions and do not charge the battery pack or appliance outside of the temperature range specified in the instructions. Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
23. Having servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.
24. Do not modify or attempt to repair the appliance or the battery pack except as indicated in the instructions for use and care.
25. Place the cords from other appliances out of the area to be cleaned.
26. Do not operate the vacuum in a room where an infant or child is sleeping.
27. Do not operate the vacuum in an area where there are lit candles or fragile objects on the floor to be cleaned.
28. Do not operate the vacuum in a room that has lit candles on furniture that the vacuum may accidentally hit or bump into.
29. Do not allow children to sit on the vacuum.
30. Do not use the vacuum on a wet surface.
31. Do not use the docking station if it is damaged.
32. Turn off the power switch before cleaning or maintaining the appliance.
33. The plug must be removed from the receptacle before cleaning or maintaining the docking station.
34. Remove the appliance from the docking station and turn off the power switch to the appliance before removing the battery for disposal of the appliance.
35. If the robot will not be used for a long time, fully charge the robot and power OFF for storage and unplug the charger.
36. For use only with NER400-DS docking station

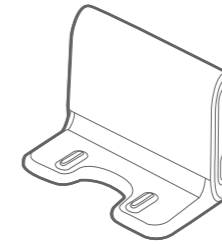
Household use only

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

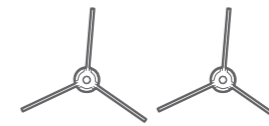
# Product Introduction



Battery X2



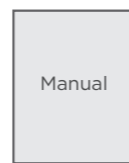
Docking station X1



Side brush X2 Pairs



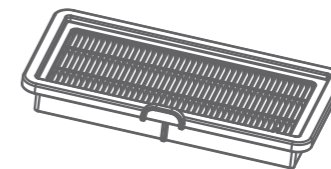
Power cord X1



Instruction manual X1



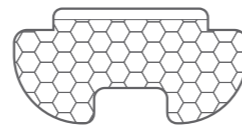
Remote control X1



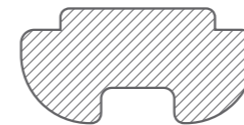
Spare filter X1



Cleaning brush X1



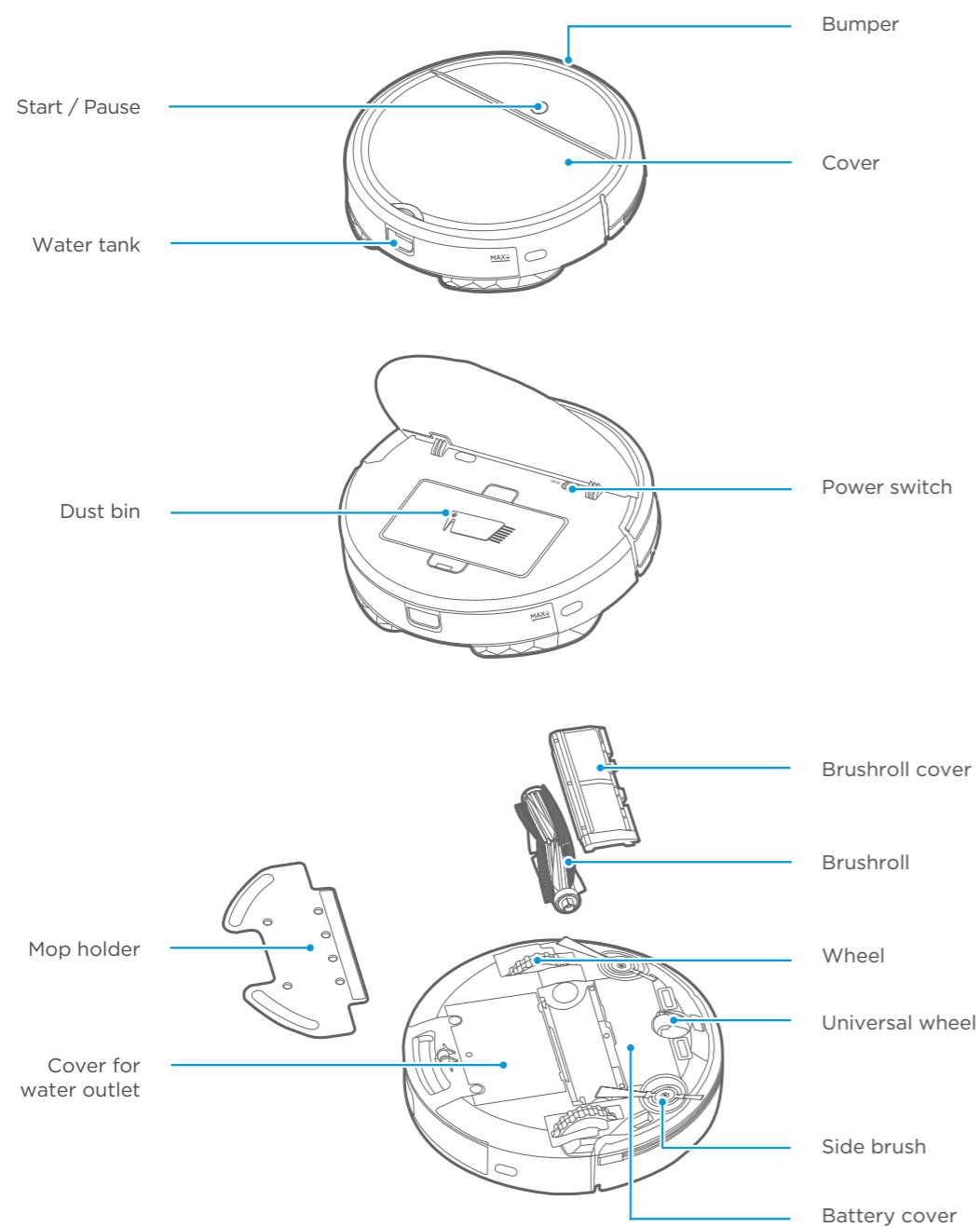
Mop holder X1



Mopping pad X2

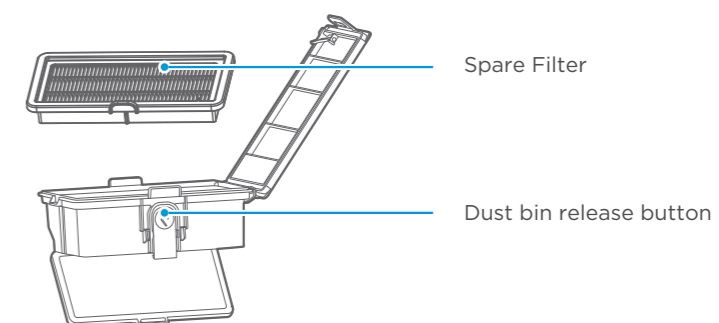
## Product Introduction

### Illustration of Appliance

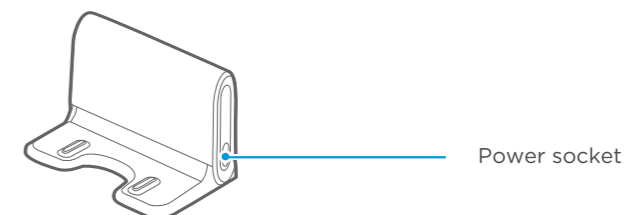


### Introduction of Components

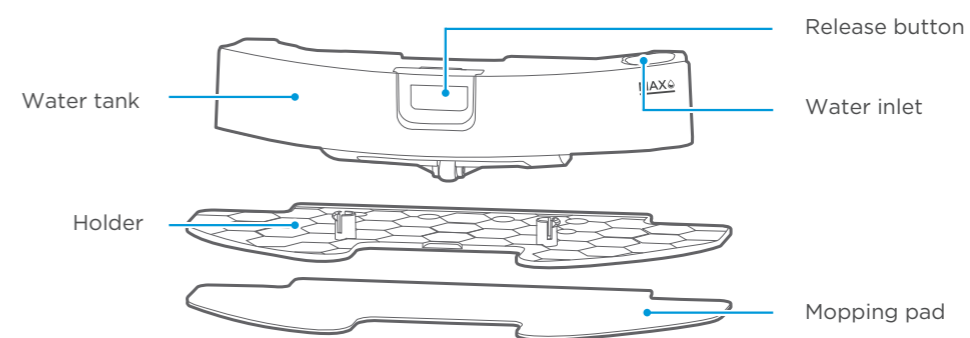
#### Dust bin



#### Docking station



#### Water tank assembly



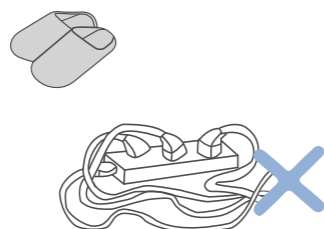
## Product Operation

### NOTE

1. Do not use your robot on wet surfaces or surfaces with standing water. Before using the product on a rug with tasseled edges, please fold the rug edges under.



2. Prepare room for cleaning, it is suggested to tidy up the room such as picking up small objects from the floor and clearing away loose cords.

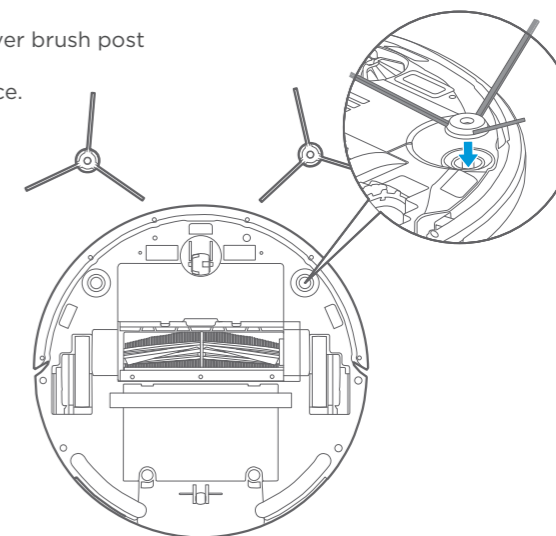


### NOTE

- Put the docking station against the wall, and place it as far as possible in an open position. It is better that there is no obstacle within 1.5m around the docking station;
- Remove glass, ceramics and other fragile items on the floor to prevent damage to the items when the sweeper crashes;
- Remove the wires and other things on the ground to make the sweeping more smoothly;
- Remove the patch panel on the ground to avoid the safety problems such as electric shock caused by the sweeper cleaning to the patch panel;
- It is normal phenomenon that has the voice of high speed airflow while the product running.

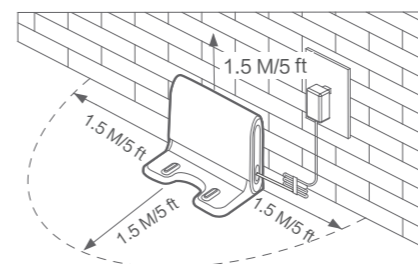
## Installing the Side Brushes

- Turn the unit over.
- With unit upside down, align side brush over brush post.
- Press down side brush until it snaps in place.
- Ensure side brushes can rotate freely.

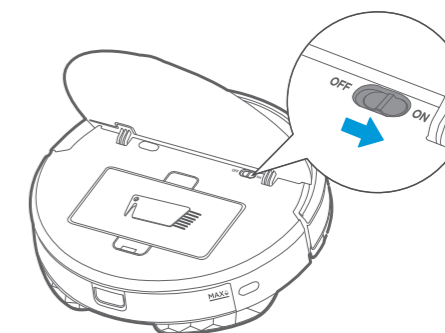


## Charging your Robot Vacuum

1 Put the docking station well: Place the docking station against a wall and remove all of obstructions around the docking stand, as shown in the figure below.

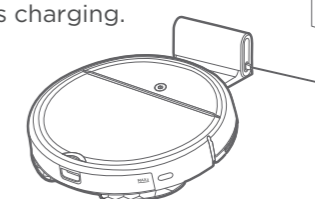


2 Open the cover and slide power switch to on.



3 Place vacuum on the docking station, ensuring the charging contacts are touching. A white light will start flashing, indicating the robot is charging.

Charge for 12 hours before first use.



### NOTE

- When vacuum is charging, a white light will flash on the top of the vacuum;
- When charging is complete, the white light will remain constant, followed by an audible description stating "Charging completed";
- When the battery is low, an audible description stating "Low battery" will be heard, followed by a red flashing light;
- If the robot is cleaning when low battery is identified, the robot will automatically find the docking station to charge.
- The robot can also be manually sent back to the docking station to charge by using the remote, or app.
- Before charging, it is suggested to empty the water tank and remove the mopping pad and holder.

**NOTE**

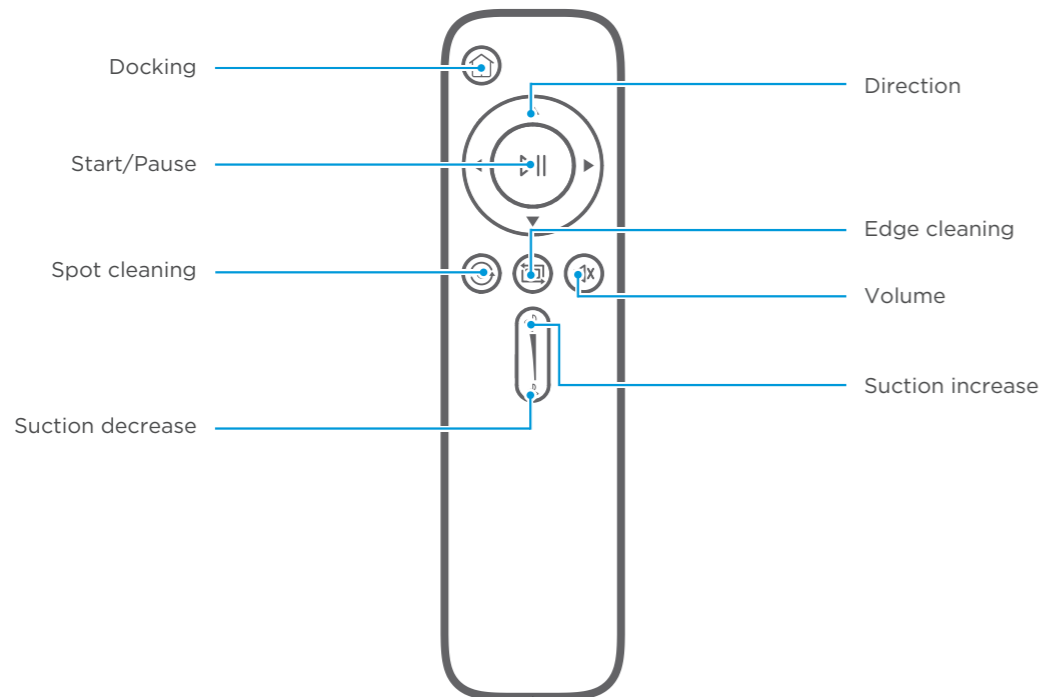
To effectively extend battery life, you should:

1. For the first use, please charge for 12 hours;
2. When the battery is low power, please charge it as soon as possible;
3. If you do not use the appliance for an extended period of time, fully charge the battery and put it in a ventilated and dry place;
4. If the appliance is not used for more than 3 months, charge the appliance for 12 hours.

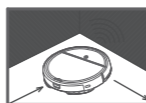
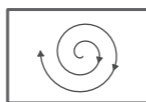
## Introduction of Remote Control

**NOTE**

Remote control will work when within 16 feet of the robot.



- 1 Docking: Vacuum will return to docking station to charge.
- 2 Direction: Manually control the direction of the robot (forward, left, and right). Note that the robot does not vacuum when in manual mode.
- 3 Start/Pause: Start or pause cleaning. The robot will automatically begin Smart Path cleaning.
- 4 Spot cleaning: The robot will clean a specific area in a spiral pattern.
- 5 Edge cleaning: The robot will clean edges of the room and furniture.



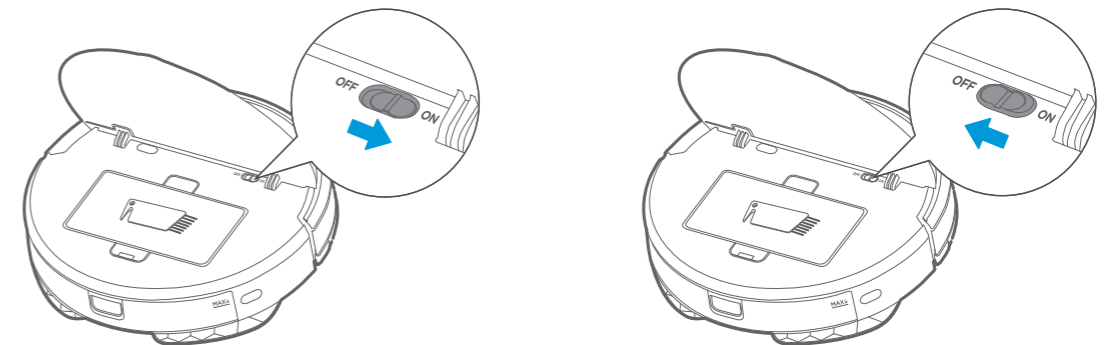
- 6 Volume: Turns voice function on or off.
- 7 Suction increase: Increases the suction power.
- 8 Suction decrease: Decreases the suction power.

**NOTE**

- a. Before using remote, insert the 2 included AAA batteries. Remove back battery cover and insert in correct orientation.
- b. To prevent the robot from accidentally falling down stairs, there is no backwards direction.

## Power ON/OFF

- 1 Open the cover and slide power switch to on.



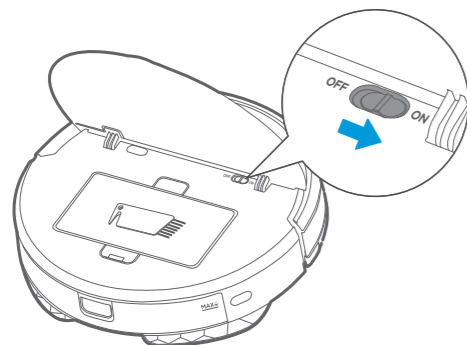
**NOTE**

**Low Power Test Mode**  
In this mode, the wifi module will enter the IDLE state, and the cleaner is in a low-power consumption state and cannot work normally.  
Entry: After the cleaner is turned on for 30 seconds, press the left bumper and mute button on the remote control simultaneously. The operation need to be completed within 1 minute.  
Exit: Restart the cleaner.

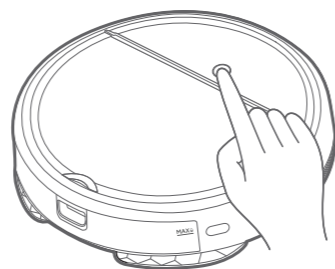
## Clean/Pause

Clean

- 1 Ensure the power switch is in the "ON" position.



- 2 To begin cleaning, use one of the options below:
  - a. Press the "⏻" key to start cleaning.
  - b. Press the Start/Pause button on the remote.
  - c. Press the Start button on the APP.

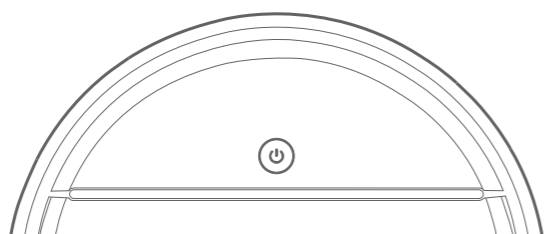


### NOTE

The robot will enter a sleep mode if it is not used for an extended period of time. Press the "⏻" button to wake the robot, and then use one of the options above to start cleaning.

Pause

When robot is working, press the "⏻" and it will stop cleaning.



## Guide for network accessing configuration

### NOTE

The product is required to be configured once again network accessing if your home WiFi name or password is changed. (Network accessing config operation of the cleaner: Hold the start key 3 seconds after the cleaner is power-on and release after a tick sound is heard, now the cleaner is configured to access network.)

Ensure the mobile phone is connected with home WiFi

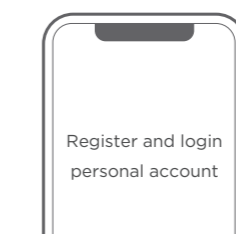


Register for MSmartLife APP account number and log in.

The 1<sup>st</sup> step: Download MSmartLife APP;  
Scan this two-dimension code or search "MSmartLife APP" in mobile App market and then click its icon to download.



The 2<sup>nd</sup> step: Registration and login  
Open MSmartLife APP, register for your personal account and login by account number as per the prompts on the interface(You may register and login only by your e-mail address.)



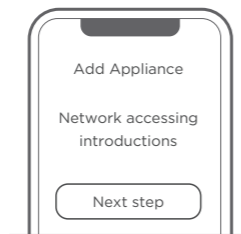


## Add Appliance

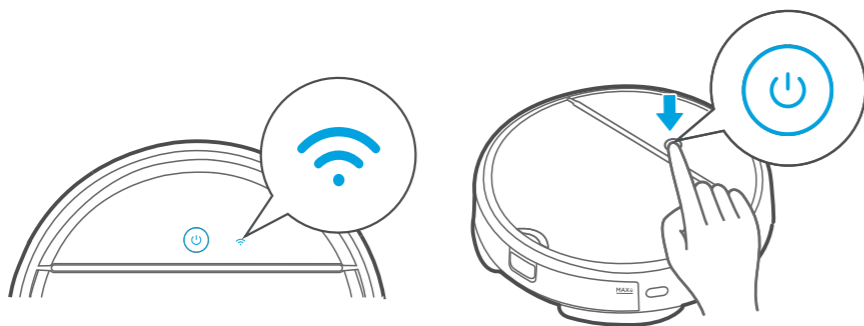
The 1st step: Add by product category  
Click “+” key on the main screen of App and select i5 Advance from product categories on the new interface.




The 2nd step: Network accessing operation of the appliance.  
Conduct network accessing operations in accordance with network accessing instructions on App and after that, click “Next Step” on the mobile phone.




Operating Instructions for Network Accessing Configuration



- 1 Open the upper cover of the cleaner and press power switch;
- 2 Short press “” on the front side of the cleaner and once the voice prompt of successful system start-up is heard, the system is now started successfully;
- 3 When 1<sup>st</sup> using, slow flickering of wifi indicator light indicates that the cleaner gets into the state of network accessing configuration, now click “Next Step” on the mobile phone to operate.

### NOTE

If WiFi indicator light doesn't flicker slowly, long press “” 3 seconds and release after a tick sound is heard; Slow flickering of wifi indicator light indicates that the cleaner gets into the state of network accessing configuration.

The 3<sup>rd</sup> step: Conduct network accessing config operations as per the prompts on Mobile App.

Once the network access is configured successfully, you will be the owner of this cleaner and can operate your security intelligent cleaner by accessing to cleaner operating interface.

## Connect robot with Amazon Alexa.

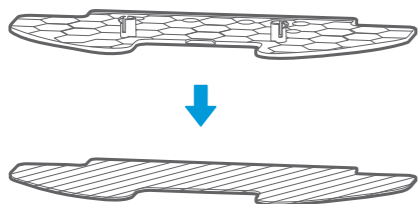
Voice controls for Amazon Alexa

Amazon Alexa: (please search “my blink” in Echo to get skills.)

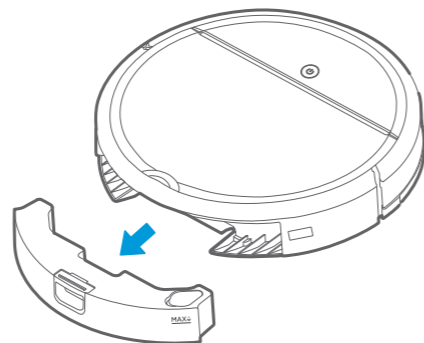
- “Alexa tell my blink to start cleaning”
- “Alexa tell my blink to pause my robot”
- “Alexa tell my blink to go home”

## Mopping

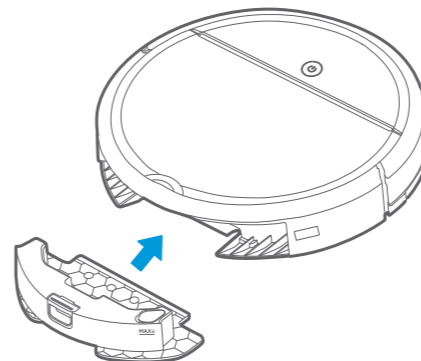
1 Attach the mopping pad to the holder.




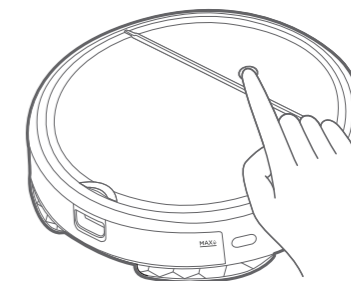
2 Press the button on tank and pull to remove.



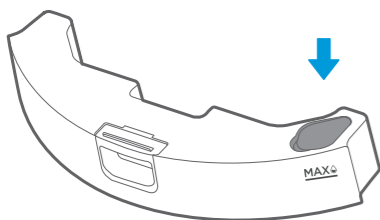
5 Reinsert the water tank assembly into the vacuum.



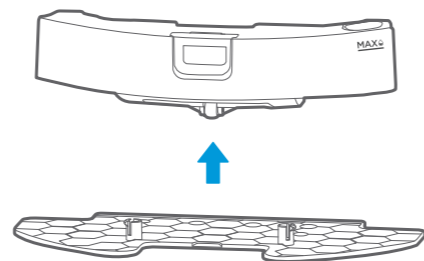
6 Press “” to start mopping.



3 Fill the water.



4 Attach mopping pad and holder to the water tank.



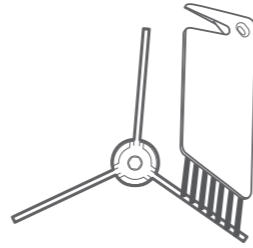
### NOTE

- a. It is recommended to fill the water tank 80% full before mopping for the first time.
- b. It is recommended to use tap water in the water tank. Do not use any cleaning solutions.
- c. It is recommended to observe the robot when mopping to ensure it does not go onto carpet.

## Product Maintenance

### Cleaning the Side Brush

- 1 Regularly check the side brush for hair wrapping.
- 2 Clean the side brush with the cleaning tool or a rag.
- 3 If the side brush has deformed from hair wrap, remove the side brush by pulling it off of the vacuum and place it in warm water for 5 seconds.
- 4 If the side brush is permanently damaged, replace with the spare set of brushes.

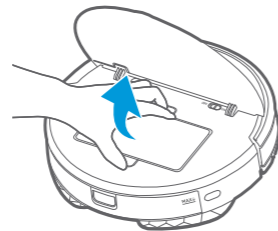
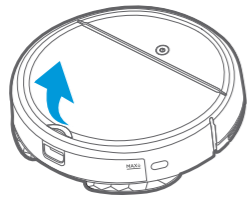


### Cleaning the Dust Bin, Sponge and Filter

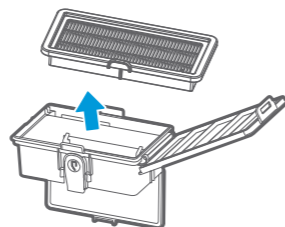
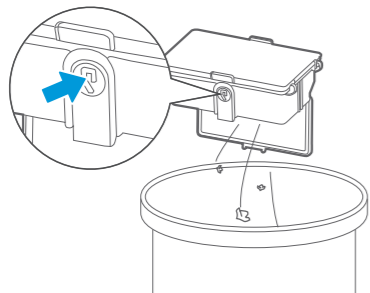
#### NOTE

Empty the dust bin after each use.

- 1 Open the cover.
- 2 Press the dust bin removal button and lift out the dust bin.



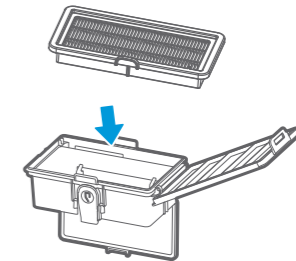
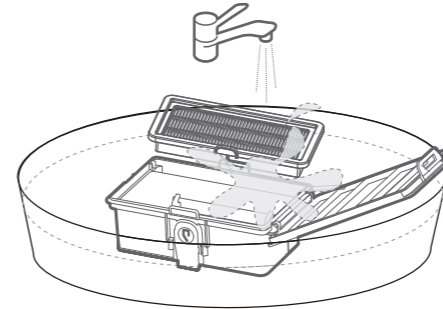
- 3 Press dust bin release button to empty into a trash bin.
- 4 Lift open the top of the dust bin to access the spare filter.



#### NOTE

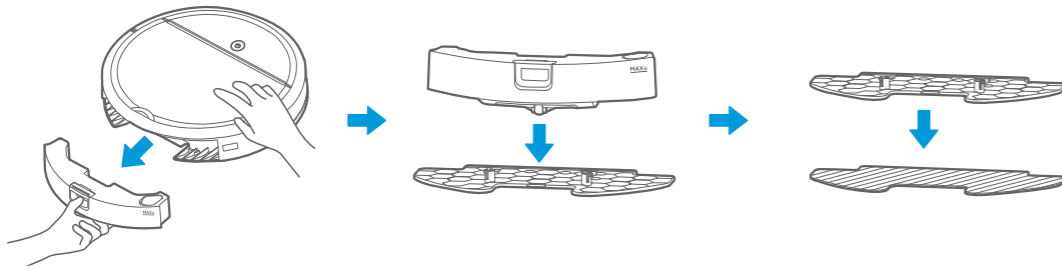
Wash the filter and sponge ever 2-4 weeks.

- 5 Rinse the dust bin, sponge, and filter with warm water. dry THOROUGHLY for 24 hrs.
- 6 Replace the spare filter holder back into the dust bin.

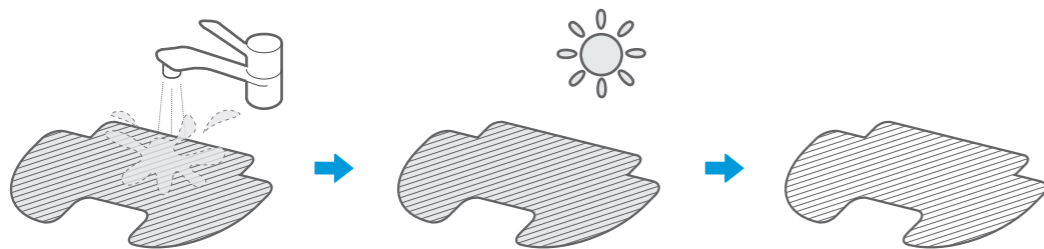


## Cleaning the Water Tank

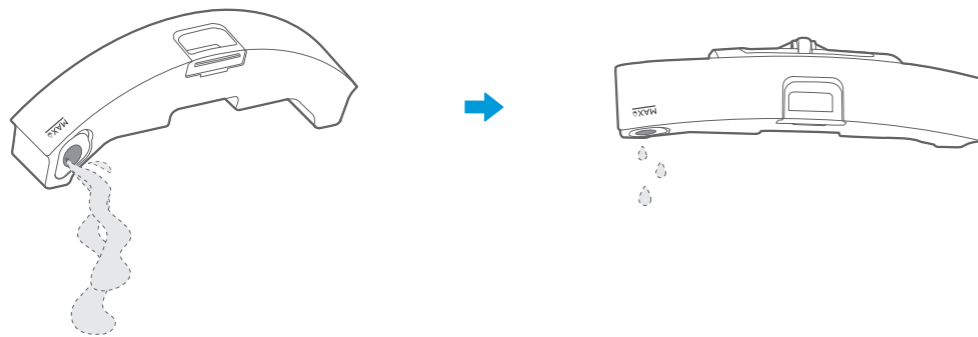
- 1 Once finished mopping, press the water tank release button and pull to remove the water tank. Detach the mop holder and mopping pad by pulling them apart.



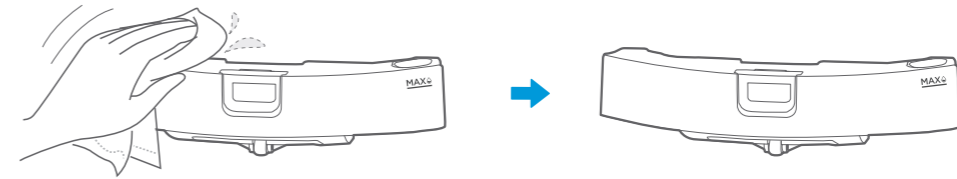
- 2 Wash the mopping pad and dry THOROUGHLY.



- 3 Lift open the Pour out the remaining water from the water tank.

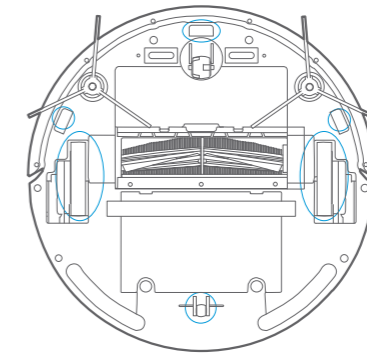


- 4 Wipe dry the water tank and set aside. Exposure to sunlight is not recommended.



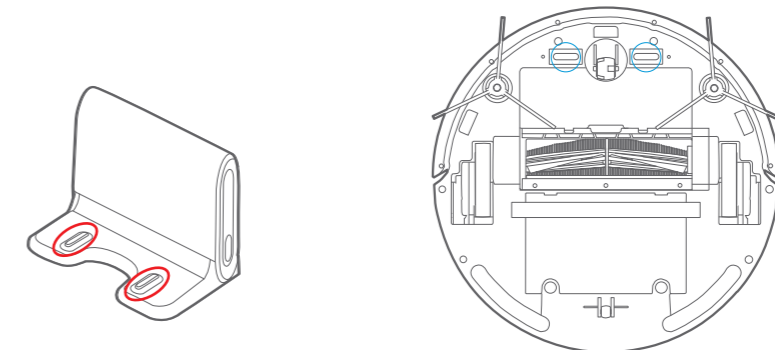
## Cleaning the Sensor and Wheel

- 1 Wipe the sensor and wheels gently with a soft cloth, as shown in the figure below.



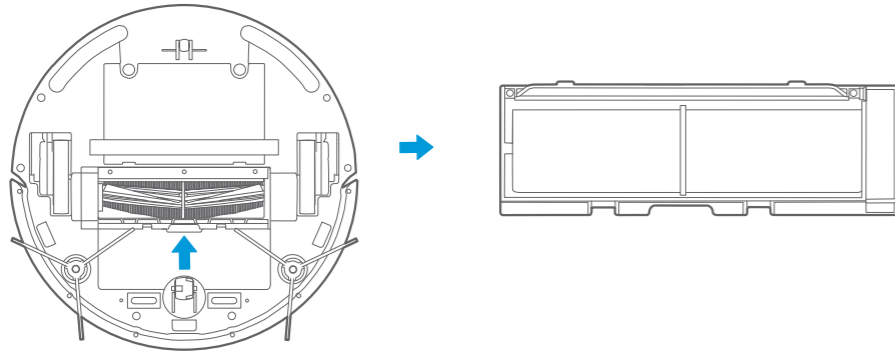
## Cleaning the Charge Terminal

- 1 Wipe the charging terminals on both the robot and charging dock with a soft cloth, as shown in the figure below.

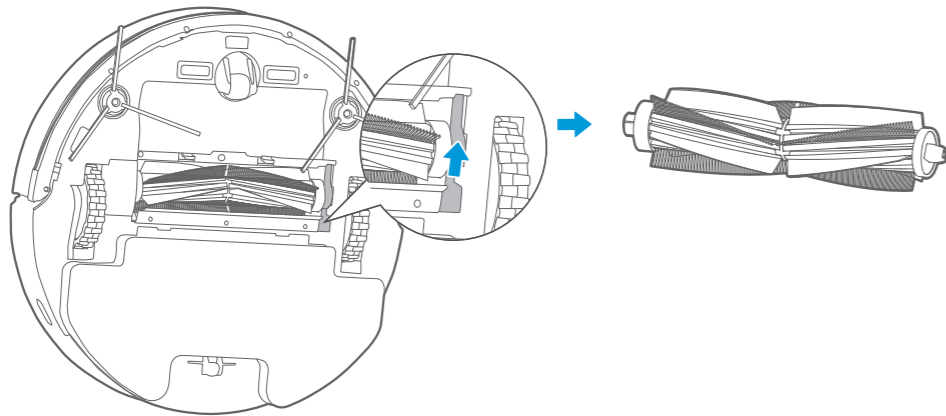


## Cleaning the Brushroll

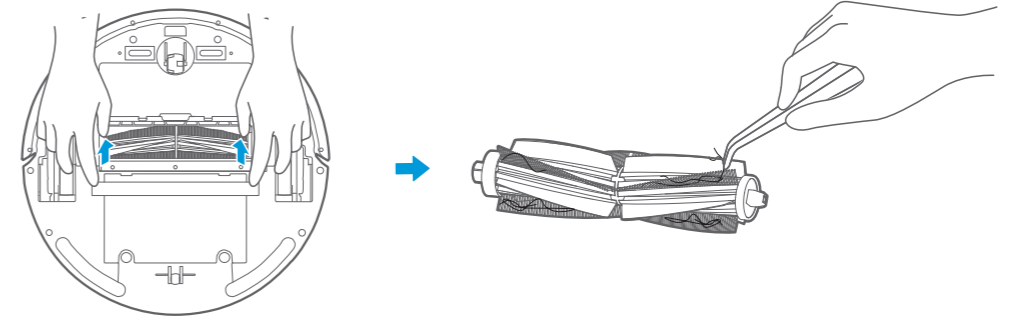
- 1 With the vacuum turned upside down, place your thumb in the open slot between the two tabs and lift off to remove brushroll cover.



- 2 Press brushroll lock and lift up to access brushroll.



- 3 Clean the brushroll with a soft cloth or warm water. Dry THOROUGHLY and reinstall.



## TROUBLE SHOOTING

In case of mis-function, please refer to the following table.

Problem	Possible reason	Solution
The appliance will not be charged	<ul style="list-style-type: none"> <li>- The power switch is not turned on while charging</li> <li>- The appliance and charging terminals are not in full contact</li> </ul>	<ul style="list-style-type: none"> <li>- Power on the appliance</li> <li>- Make sure the appliance is fully in contact with the charging terminal</li> </ul>
The appliance gets stuck	<ul style="list-style-type: none"> <li>- The appliance is covered by wires on the ground, drooping curtain fabric or blankets are twined</li> <li>- Side brush and brushroll, etc. get stuck, and the appliance cannot run normally</li> </ul>	<ul style="list-style-type: none"> <li>- The appliance will automatically start the escape mode. If it is not out of trouble, it needs manual help.</li> <li>- Clean the windings on the side brush and restart it. If not, contact the after-sales department.</li> </ul>
Not cleaned completely, and recharge it	<ul style="list-style-type: none"> <li>- The appliance does not sense enough battery power</li> </ul>	<ul style="list-style-type: none"> <li>- Charge the appliance</li> </ul>
No cleaning according to the preset time	<ul style="list-style-type: none"> <li>- The power switch is not on</li> <li>- Scheduled appointment is cancelled</li> </ul>	<ul style="list-style-type: none"> <li>- Turn on the power switch of appliance</li> <li>- Reset and make appointment</li> </ul>
After the mop holder is installed, the appliance is impermeable	<ul style="list-style-type: none"> <li>- The mop holder magnet falls off</li> <li>- There's no water in water tank</li> <li>- The appliance base outlet hole is blocked</li> </ul>	<ul style="list-style-type: none"> <li>- Contact the aftersales service center</li> <li>- Add water</li> <li>- Clear water outlet and tank filter</li> </ul>
The appliance has missed sweeps, there is no plan for cleaning, and the map in app shows irregularly	<ul style="list-style-type: none"> <li>- The ground is slippery</li> <li>- Wires, shoes and other objects placed on the ground, affecting the normal operation of the appliance</li> <li>- Cleaning is interrupted halfway</li> </ul>	<ul style="list-style-type: none"> <li>- If the floor is waxed, dry it before use</li> <li>- Minimize ground items as much as possible</li> <li>- Do not move or block the appliance during work</li> </ul>
Appliance does not work	<ul style="list-style-type: none"> <li>- The power switch is not turned on</li> <li>- Low battery</li> <li>- wheels are dropped and the three groups of drop sensors are in a falling state</li> </ul>	<ul style="list-style-type: none"> <li>- Turn on the power switch</li> <li>- Charge the appliance</li> <li>- Place the appliance close to the ground</li> <li>- Contact aftersales service center</li> </ul>
Appliance retreats	<ul style="list-style-type: none"> <li>- There's obstacle ahead</li> <li>- Bumper rail is clamped</li> </ul>	<ul style="list-style-type: none"> <li>- Clear the front obstacles</li> <li>- Tap the bumper rail to check for if there's foreign matter stuck</li> </ul>

## TROUBLE SHOOTING

In case of mis-function, please refer to the following table.

Problem	Cause	Troubleshooting	Solution
App displays disconnection	Disconnection between the mobile phone and the equipment	<ul style="list-style-type: none"> <li>- Judge if the mobile phone is accessed to network;</li> <li>- Judge if the router works normally;</li> <li>- The cleaner is required to be powered;</li> <li>- The WiFi configurations of the equipment are cleared;</li> <li>- The WiFi password or network is changed.</li> </ul>	<ul style="list-style-type: none"> <li>- The mobile phone shall be accessed to network once again;</li> <li>- Re-start the router;</li> <li>- Power on the cleaner once again;</li> <li>- Add new appliances into App;</li> <li>- After system start-up, long press "⏻" 3 seconds and release it after a tick sound is heard;clear all WiFi configurations of the cleaner and add household electrical appliances once again for operation.</li> </ul>
Slow App operation	Network connection is not so smooth	<ul style="list-style-type: none"> <li>- Network busy;</li> <li>- Poor WiFi signal reception of the mobile phone;</li> <li>- The network bandwidth is not so adequate.</li> </ul>	<ul style="list-style-type: none"> <li>- Re-start the router and reduce the number of access users;</li> <li>- Check the settings of the mobile phone itself;</li> <li>- Broaden network bandwidth.</li> </ul>
The QR code of the mobile phone itself cannot be scanned by App.	The hardware configurations of the mobile phone are very low, the camera has no focus function.	<ul style="list-style-type: none"> <li>- Change mobile phones for confirmation;</li> </ul>	<ul style="list-style-type: none"> <li>- Change mobile phones and scan;</li> <li>- Add equipment by product category.</li> </ul>