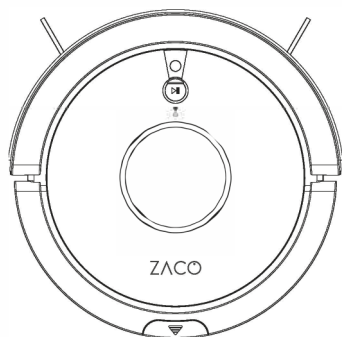


ZACO-A9s Pro

Robot Vacuum Cleaner

User Manual



English

Deutsch

Español

Français

Italiano

Find more information at
www.zacorobot.eu

ZACO

Dear Customer,

thank you for purchasing ZACO A9s Pro robot vacuum cleaner!
You've joined the millions of people who clean with robots - the smarter way to get it down.

Please take a few moments to read this manual and get acquainted with your robot, to get the best performance from your robot. If you have any problem, please don't worry, you are supposed to contact our customer service first or visit our website at www.zacorobot.eu for more information.

Best regards,
ZACO Customer Service

ZACO Customer Service

Customer Service Number:
00800-42377961 (European Free Call)
0209-513038-383 (Direct Line - DE)

Email: hello@zacorobot.eu

Contents

| | |
|--|-----|
| Safety Instructions | 4 |
| Product Parts | 6 |
| Main body / dust bin / Water tank / Charging dock / Remote control | 6-8 |
| Accessories | 9 |
| Product operation | 10 |
| Charging | 10 |
| Remote control | 10 |
| Starting Up / Pause / Sleep | 12 |
| Scheduling | 17 |
| Water tank operation | 20 |
| App download and user instruction | 22 |
| Product maintenance | 23 |
| Main brush maintenance | 23 |
| Dust bin and filters maintenance | 24 |
| Water tank maintenance | 25 |
| Fall sensors and charging dock | 26 |
| Troubleshooting | 27 |
| Product Specifications | 28 |
| InvisibleWall | 29 |

Safety Instructions

Before using the electrical device, basic precautions should always be followed.

READ ALL INSTRUCTIONS BEFORE USING THIS APPLIANCE. PLEASE SAVE THESE INSTRUCTIONS.

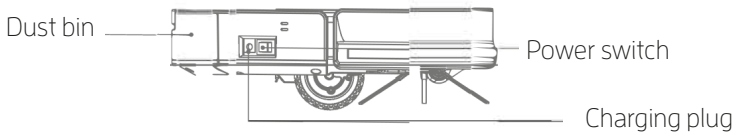
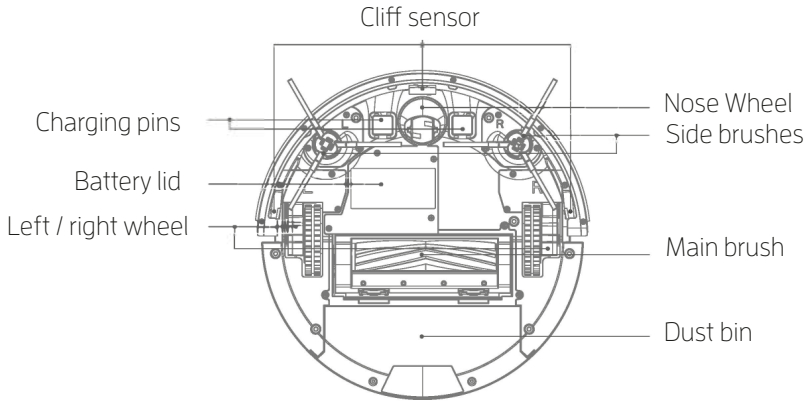
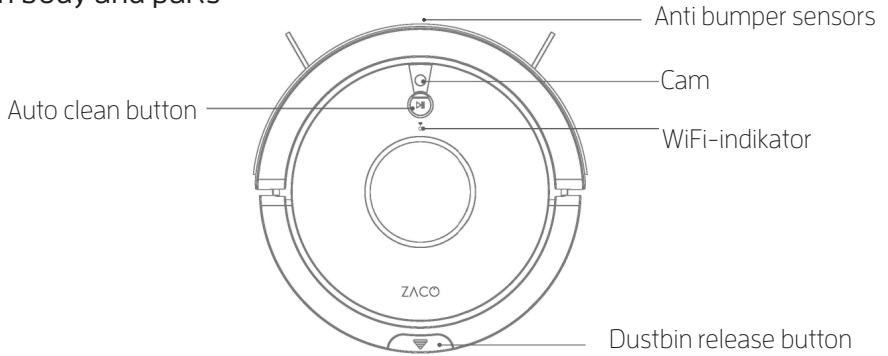
1. This device is not suitable to be used by children under the age of 8 or by people with physical or emotional disabilities. If to use, please operate the device under the supervision of a guardian. Please do not let the child sit on the robot or use the robot as a toy.
2. Please remove all obstacles such as power cords or other small items before using the robot. Do not let curtains or tablecloths touch the floor. When using the mopping function, please fold the edges of the carpet so that they work as a barrier for the robot or use the ZACOHOMe app to declare a "carpet area".
3. If there are stairs, please do a test run to see whether the robot detects the edge of the staircase.
4. Please follow the instructions in this manual to operate the robot.
5. Make sure the power supply voltage matches the voltage marked on the charging station.
6. Use the robot only indoors and only in home environments. Do not use it outdoors or in commercial or industrial environments.
7. Only use the original rechargeable battery and charging station provided by the manufacturer. Non-rechargeable batteries are strictly forbidden to use. For battery details, please refer to the technical specifications.
8. Do not let the robot get into contact with water.
9. Do not wipe the robot with a wet cloth.
10. Do not use the robot on wet floors.
11. Do not use the robot around open fires or around fragile objects.
12. Do not use the robot in temperatures over 40 degrees Celsius or below -5 degrees Celsius.
13. Do not let hair, cloth or fingers come close to the product's openings or operating parts.

Safety Instructions

14. Do not let the robot suck in any material or items that might get stuck in the device, such as stones, paper, etc.
15. Do not let the robot vacuum flammable materials such as gasoline or printer toner.
16. Do not allow the robot to absorb any products that are burning such as cigarettes, matches, ashes, or other items that may cause a fire.
17. Do not use the robot if the suction port is blocked. Clean up dust, hair, cotton, etc. to ensure air can flow smoothly.
18. Do not use a damaged charging station.
19. Do not use the power adapter to drag or pull the robot or its charging station. Do not allow the robot to operate while the power adapter is attached. Keep the power adapter away from heat sources.
20. If the power adapter is damaged, replace it with an official ZACO power adapter only. Do not use uncertified replacement parts from third parties.
21. Make sure the dust bin and the filter are properly installed before using the robot.
22. Do not use the robot if a baby is sleeping in the room.
23. Do not use the robot when the device is damaged due to dropping it, water damage, or outdoor use. To ensure warranty, only let the robot be repaired by the official ZACO Repair Service. In this case, please contact the ZACO Customer Support.
24. If the robot will not be used for a long time, disconnect it from the power supply and turn off the power switch on the side of the device.
25. Before cleaning and maintaining the product, please turn off the power switch.
26. Before cleaning and maintaining the product, please disconnect the power adapter.
27. Before disposing the product, please remove the device from the charging station, turn off the power switch and remove the battery.
28. When disposing the battery, you must follow local laws and regulations.
29. Never dispose of the robot or its battery by putting it on fire as it may cause an explosion, even if the product is severely damaged.
30. Please follow the instructions to use the product. ZACO by Robovox Distributions GmbH will not take responsibility for loss or damage caused by improper use.

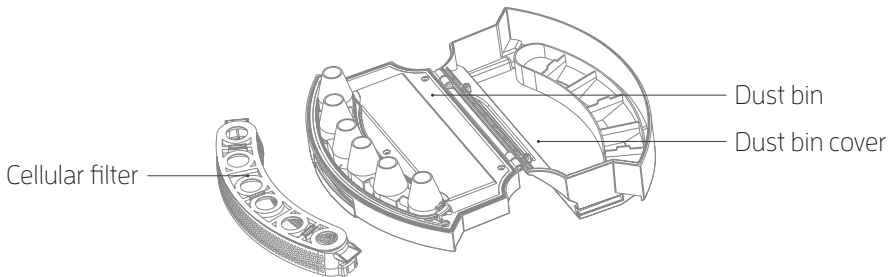
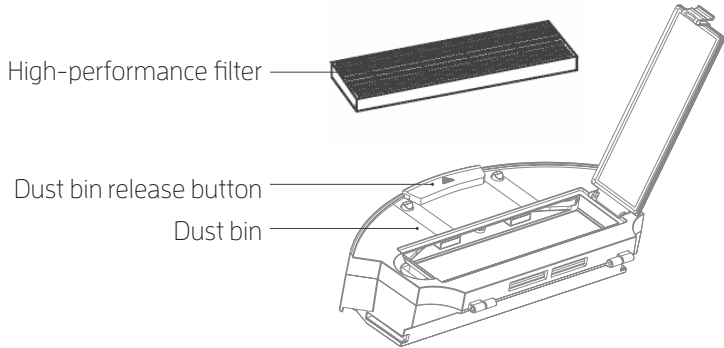
Product parts

Main body and parts

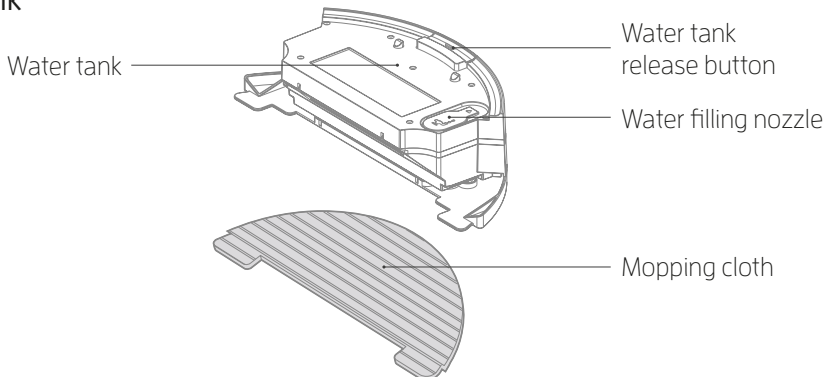


Product parts

Dust bin

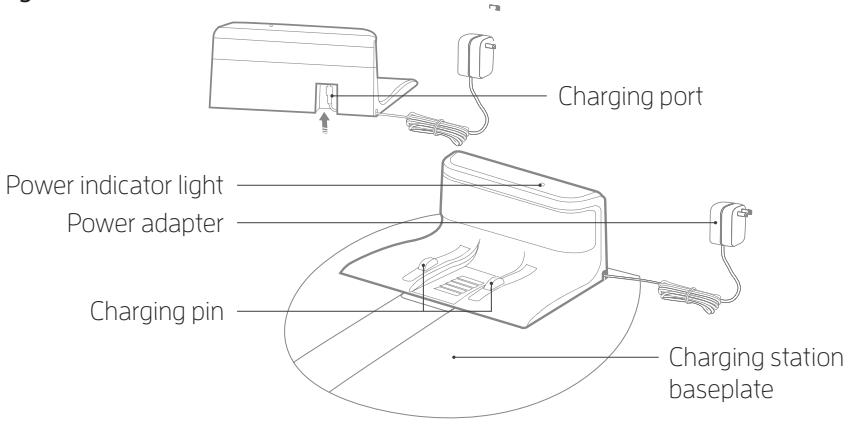


Water tank

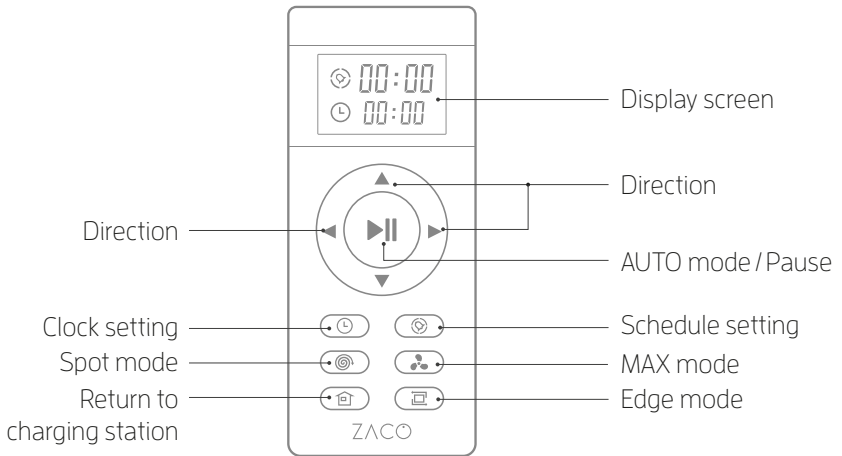


Product parts

Charging Station



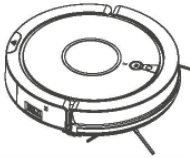
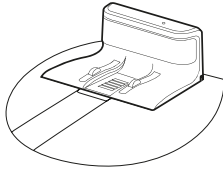

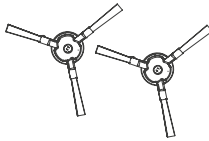
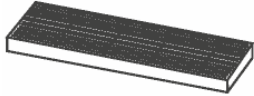

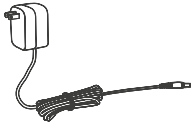
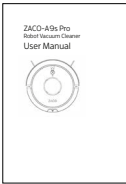

Remote control



Note: ▼ / ▲ / ► / ◀ cannot be used during a cleaning cycle.

Product parts

List of Accessories

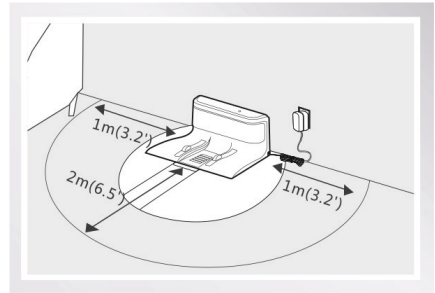
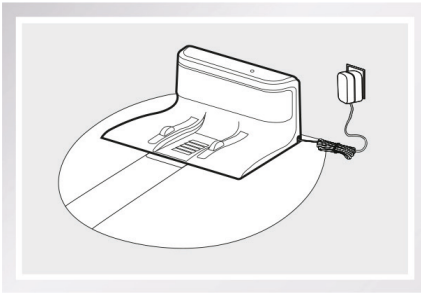
| | | |
|---|---|--|
|  |  |  |
| Robot | Charging dock/Plate | Water tank/ Mop |
|  |  |  |
| Rubber brush | Extra Side Brushes | High Performance Filter |
|  |  |  |
| Remote control | Power adapter | Cleaning tool |
|  |  | |
| User manual | InvisibleWall transmitter | |

Product operation

Charging Station

1 Place the charging station

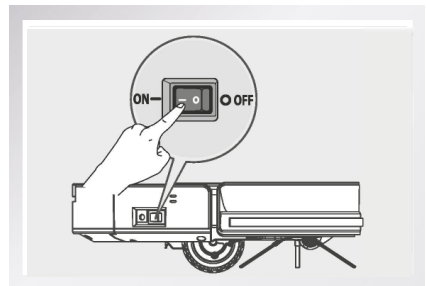
1. Connect the adapter to the charging station
2. Place the charging station on the ground. Do not place any objects 1m to its left / right side and 2m to its front. Reflective objects, in particular, can cause issues with finding the charging station.
3. Connect the power supply.



Note: After the charging station is connected, the indicator light on the top of the charging station will be on.

2 Turn on the robot

The power switch is at the side of the robot. Press "I" to turn on the robot; Press "O" to turn it off.




Note: After the robot finished cleaning, it is recommended to not turn it off, and let it charge for the next use.

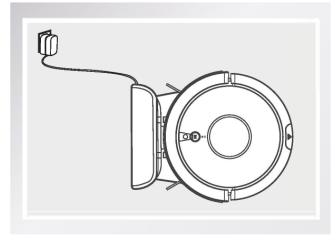
Product operation

3 Start charging

Put the robot on the charging station so that the charging pins on the bottom of the robot align with the ones on the charging station.

a) Auto charging

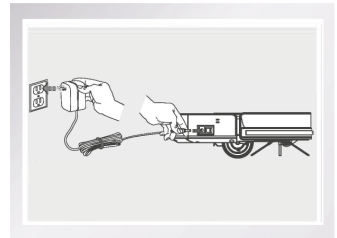
1. In Auto mode, the robot will search for the charging station to charge when the battery is low.
2. In standby mode, press the  button on the remote control to instruct the robot to search for the charging station.



Note: Please pay attention to the charging pins. Dirty pins will negatively affect charging.

b) Manual charging

Turn on the power switch on the side of the robot. Plug the power adapter jack directly into the robot and connect the other side of the adapter to the electrical socket to charge.



1. For daily use, please place the robot on the charging station. Make sure that the power adapter is plugged in and that the robot is turned on.
2. If the robot will not be used for a long time, please charge it completely before turning off the power switch. Store the robot in a dry and ventilated place.
3. In schedule mode, please do not use the manual charging method. Otherwise, the robot cannot perform the cleaning task at the scheduled time.

Product operation

Remote control operation

1 On / off

1. Press this button to switch from sleep mode to standby mode.
2. In standby mode, press this button to start cleaning.
3. During the cleaning process, press this button to stop cleaning.

2 Clock

Press this button to set the current time.

3 Spot mode

Press this button to set the current time.

4 Return to charging station

Press this button to instruct the robot to return to the charging station.

5 Schedule

Press this button to set up a cleaning schedule. The robot will start cleaning according to the scheduled time. To change the scheduled time, press the button. If it shows "00:00" on the remote control display, the scheduled time is reset.

6 Edge mode

Press this button to start edge cleaning, where the robot cleans along the walls. After cleaning, the robot will return to the charging station or the point where it started from.

7 MAX mode

Press this button to start MAX mode cleaning, where the robot cleans with maximum power output.

Note: Please place two AAA/RO3 batteries into the remote control before using it. Please take out the batteries if the remote control is not used for a long time.



Product operation

Starting up / Pause / Sleep



- **Sleep mode:** The power switch is on and the Auto cleaning indicator light is not flashing. The robot is currently not cleaning.
- **Standby mode:** The power switch is on and the Auto button indicator light is flashing. The robot is currently not cleaning.
- **Cleaning mode:** The Auto button indicator light is flashing. The robot is currently cleaning.



1 Starting up

Press  on the robot or press  on the remote control to start cleaning.


Note: If the robot is in sleep mode, press  to enter standby mode. When you press  again, the robot will start cleaning.

2 Pause

The pause function switches between cleaning mode and standby mode. Press  on the robot or  on the remote control to stop the cleaning process.

Note: When the robot is paused, press  on the device or  on the remote control to restart the cleaning process.

3 Sleep mode

To enter sleep mode: Press and hold the  button on the robot for 3 seconds. The robot will then switch to sleep mode if no further instructions are given within 1 minute.

Product operation

Robot operation

1 Auto button



- Press this button to switch from sleep mode to standby mode.
- In standby mode, press this button to start cleaning.
- When cleaning, press this button to stop the cleaning process.

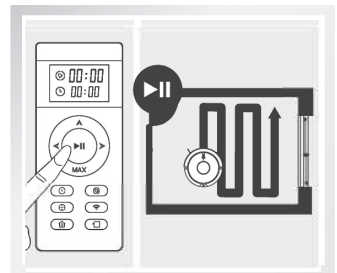
Cleaning modes

To ensure the best cleaning experience, the robot comes with different cleaning modes. The different modes can be activated by using the remote control or the ZACOHome app.

Note: To start any of the modes described below, please make sure that the robot is turned on and that the Auto button indicator is flashing.

1 Auto mode

Press  on the robot or  on the remote control to start the Auto mode. In this mode, the robot will clean the room in an efficient "zig-zag" path as shown in the picture. It will automatically calculate and clean the missed areas.

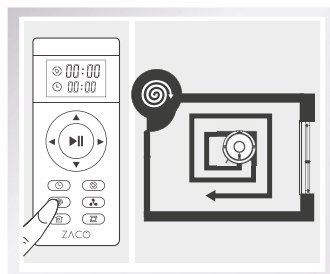


- The robot will automatically carry out the cleaning path during the work process. If it is moved manually or operated via remote control, the robot will re-plan the cleaning path, and the already cleaned area may be cleaned again. To ensure efficiency, please do not interrupt the cleaning process by pressing other buttons.
- During the cleaning process, the robot will pause for a short time to calculate the uncleaned areas and plan a new path. Please wait patiently. The times and duration of the pauses depend on the complexity of the home environment.



Product operation

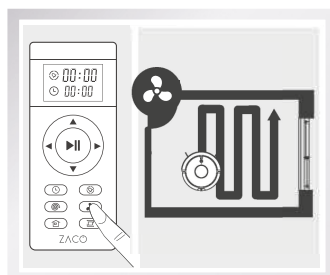
2 Spot mode

This mode is applicable for an area with highly concentrated dirt or dust. In the spot cleaning mode, the robot will focus on cleaning one specific area in a circular path. After cleaning is finished, it will return to the charging station.




3 MAX mode

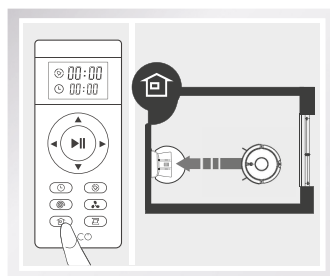
This mode is ideal for very dirty floors. Press  to increase the suction power to clean very dusty areas. Press  again to switch back to normal suction power.



4 Return to charging station


During the cleaning process, the robot can sense low battery and will automatically search for the charging station when charging is required.

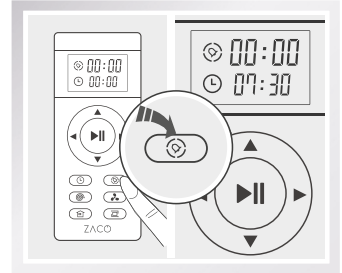
It is also possible to press the  button on the remote control to instruct the robot to return to its charging station.



Product operation

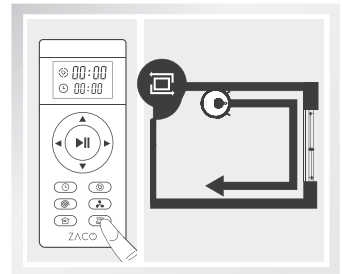
5 Schedule

A cleaning time can be scheduled. When the remote control's Schedule icon  and the first two numbers on the display are flashing, the robot enters schedule mode.



6 Edge mode

This mode is good for cleaning the edges and corners of a room. In edge cleaning mode, the robot drives along a border (e.g. the wall) to clean and will stop working after running a whole circle.

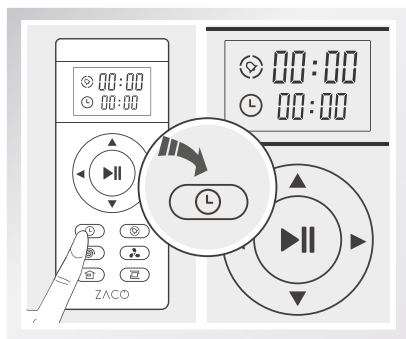




Product operation

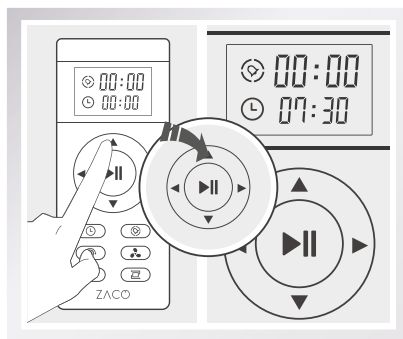
Scheduling





For convenience, you can set up a schedule for regular cleaning. To do so, the current time and the planned cleaning times need to be set up via remote control or the ZACOHme app. The robot will then clean according to the scheduled time.

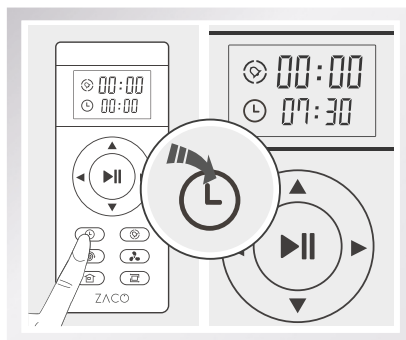
1 Set up the current time




Press the  button. The clock icon  and the first two numbers will then be flashing.



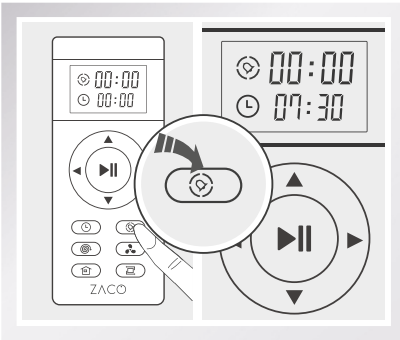
Press the   buttons to adjust the numbers. Press the   buttons to change hour and minutes.




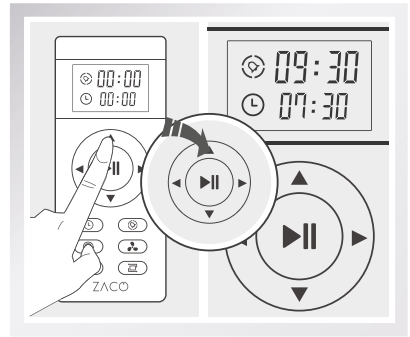
After setting the time, press the  button to save the changes. When a prompt tone can be heard, the current time setting was saved successfully.





Product operation

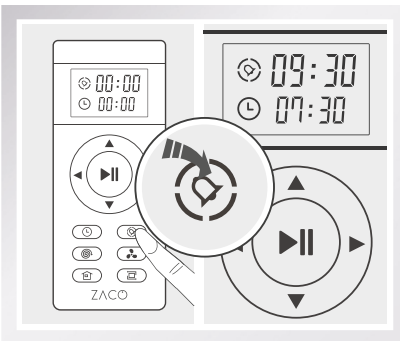
2 Set up the schedule time




Press the  button. The Schedule icon and the first two numbers will then be flashing.





Press the   buttons to adjust the numbers. Press the   buttons to change hour and minutes.

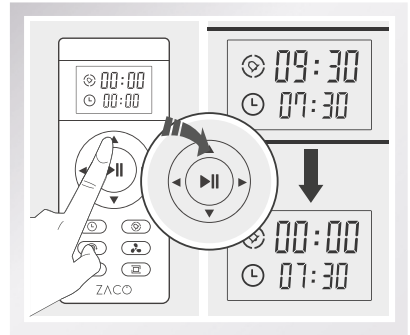


After setting the time, press the  button to save. The robot will begin to work at the scheduled time.

Product operation

3 Cancel a schedule setting

- Press the  button to change the scheduled time. When it shows "00:00" on the remote control display, save by pressing the  button again. Then the scheduled time setting is deleted.
- Turn off the power switch of the robot. The scheduled time setting will be canceled.



- When changing the time setting for the current time or the scheduled time, a prompt tone will be heard. If no prompt tone is heard, it means the change was not saved.
- You need to setup the current time and the scheduled time again when you change the batteries of the remote control.

Product operation

Water tank operation

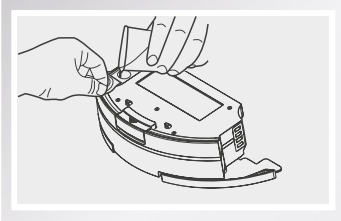
Using the water tank is optional. After vacuuming is completed, the dust bin can be replaced by the water tank for mopping.

Warning:

- If the robot is stopped during the mopping process (e.g. to add water or to rinse out the mop cloth), the robot will reprogram its cleaning path and already cleaned areas will be mopped again. To have a better mopping effect, it is recommended to use the mopping function in one room at a time.
- If another room needs to be mopped, please manually move the robot to that room. Add water or rinse out the mop cloth if necessary.
- Please do not use the water tank on carpet. If you have a carpet in your house, roll up the edges to prevent the robot from climbing and soiling the carpet. Alternatively, you can declare a "carpet area" via the ZACOHme app which the robot recognized as an area that needs to be vacuumed but not mopped.
- Please add water and rinse out the mop cloth regularly. Remove the water tank from the robot to refill it.
- Please remove the water tank while charging.

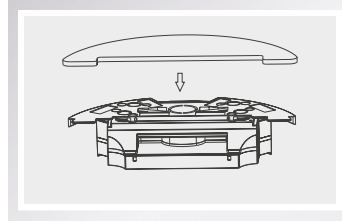
Product operation

1 Add water



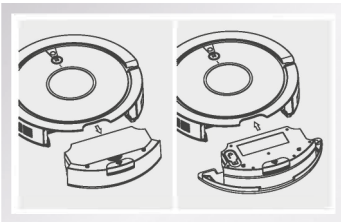
Open the rubber plug at the top of the water tank and slowly pour in clean water through the nozzle. Make sure to close the tank securely afterwards.

2 Install mop cloth



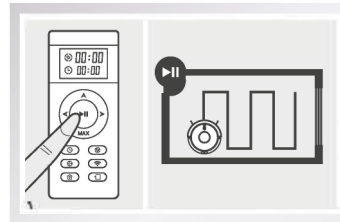
Turn the water tank around and install the mopping cloth by attaching the edges first and then letting the cloth stick to the velcro.

3 Install water tank



Take out the dust bin and install the water tank.

4 Mop function



Press the Auto button to start the mopping function.

App download and user instruction

Downloading the app

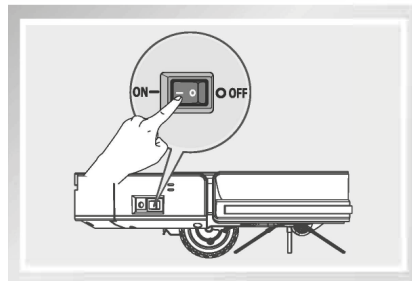
Your robot can be controlled remotely with the "ZACOHme" smartphone app. Please download the app from the Google Play Store or the iOS App Store.

To connect your robot to the app, please follow the instructions given by the app.



Connecting the robot

1. Make sure the smartphone is connected to the home Wi-Fi network and has good signal.
2. Create an account in the ZACOHme app and log in.
3. Turn off the robot and turn it back on before pairing to the Wi-Fi.



Product maintenance

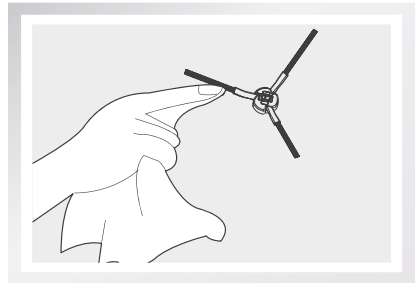
Warning:

Please turn off the power switch and unplug the power adapter from the charging station before cleaning and maintaining the robot and its accessories.

Main brush and side brush maintenance

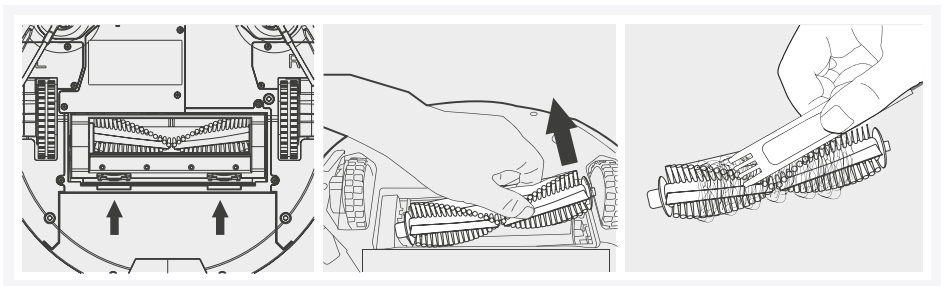
Side brush cleaning

Using the water tank is optional.
After vacuuming is completed,
the dust bin can be replaced by
the water tank for mopping.



Main brush cleaning

Take out the main brush and remove hair and dirt by using the cleaning brush.

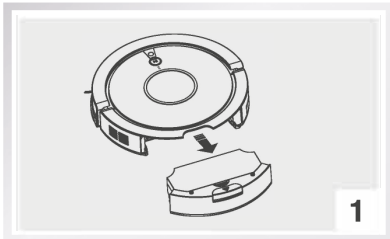


Product maintenance

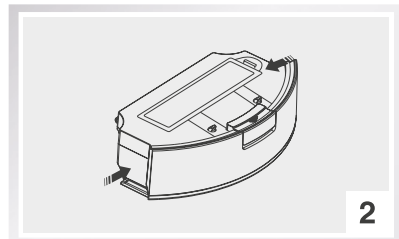
Dust bin and filter maintenance

Please take out and empty the dust bin and filters after each use.

- Take out the dust bin to empty it. Also check and clean the suction port.
- The high-performance filter can be cleaned by tapping out the dirt. It cannot be rinsed or washed.



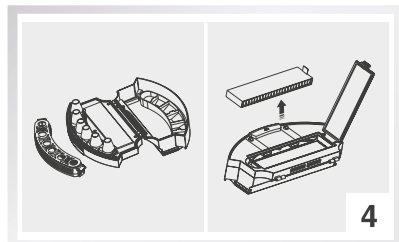
Press the release button and pull the dustbin out.



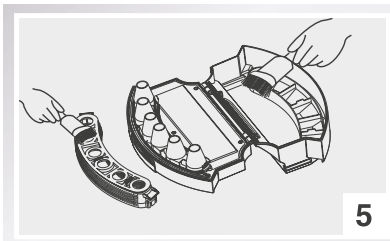
Open the dustbin.



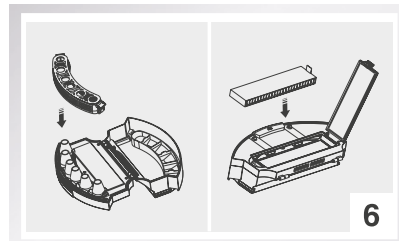
Empty the dust bin over a trash can.



Take out the filters and clean them.



Use the cleaning brush to clean the tank.

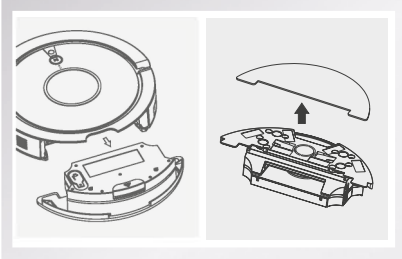


Assemble the parts of the tank.

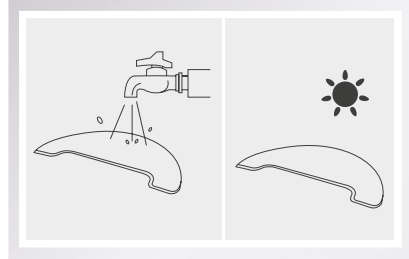
Product maintenance

Water tank maintenance

① Cleaning the mop cloth

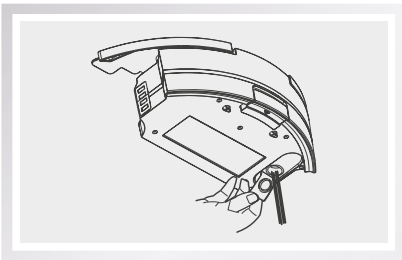


After mopping is finished, please remove the water tank from the robot and detach the mop cloth.

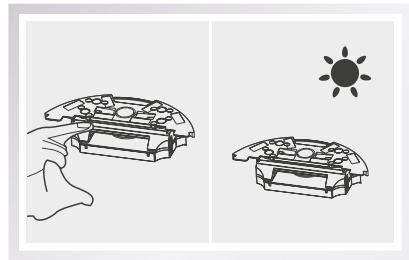


Rinse the mop cloth with water and let it air dry.

② Cleaning the water tank



After mopping is finished, please remove the water tank from the robot, detach the mop cloth and pour out the remaining water.



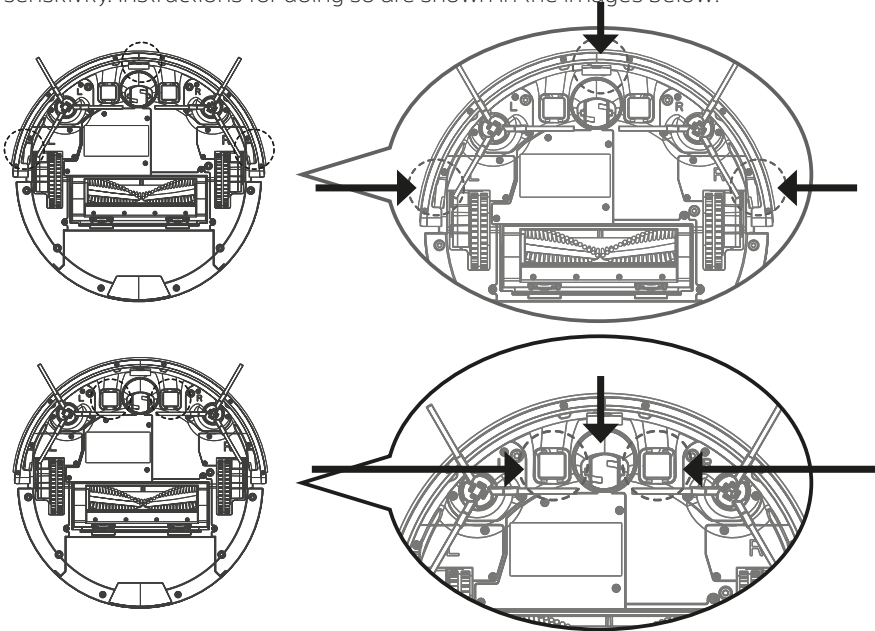
Clean the water tank with a mildly wet and clean cloth. Let the water tank air dry by keeping the rubber plug open.

Warning: Never immerse the tank completely in water!

Product maintenance

Drop sensor and charging pin maintenance

Use a dry cloth to clean the robot's loading pins and drop sensors to maintain their sensitivity. Instructions for doing so are shown in the images below:



Warning:

- Please take out the battery when the device will not be used for a long time. If a battery leak occurs, please remove the battery, clean the battery compartment, and contact the ZACO Customer Service.
- If the battery is deeply discharged or not used for a long time, the battery capacity will be reduced, and it is recommended to activate the battery. To activate it, manually place the robot on the charging station. Remove the robot after charging for 3 minutes and repeat this 3 times. After that, charge the device for 3-5 hours.
- This product uses a long-life battery that does not require frequent replacement. If you want to replace it anyway, please contact the ZACO Customer Service.



Troubleshooting

Maintenance and accessory replacement schedule

| Item | Maintenance Time | Replace |
|-------------------------|---|------------------|
| Dust bin | Each time after use | / |
| High-performance filter | Once a week (or twice a week if there are pets) | Every two months |
| Main brush | Once a week (or twice a week if there are pets) | If necessary |
| Side brushes | Once a week | If necessary |
| Charging station | Once a week | / |

Voice prompt

When the robot has a problem, the Auto button will be flashing a red light and the robot play a voice prompt. Please refer to the following table for problems and their reasons.

| Item | Voice Prompt | Reason | Replace |
|------|---|--|--|
| 01 | Please clean left side brush | Left brush abnormal | Please clean left side brush |
| 02 | Please clean right side brush | Right brush abnormal | Please clean right side brush |
| 03 | Please check left wheel | Left wheel abnormal | Please check left wheel |
| 04 | Please check right wheel | Right wheel abnormal | Please check right wheel |
| 05 | Please check and clean turbo fan | Motor abnormal | Please check and clean suction port |
| 06 | Please clap front bumper | Front bumper abnormal | Please tap front bumper |
| 07 | Please clean drop sensors | Drop sensors abnormal | Please clean drop sensors |
| 08 | Please put the robot back on the ground | Robot is not on the ground | Please put robot back to ground |
| 09 | Please put the robot back on the charging station to recharge | Robot failed to find charging dock (station) | Please put robot back to charging dock to recharge |
| 10 | Please pull out the plug from robot | The  button is pressed while the robot is charging with the power adapter plugged in. | Please check and pull out the plug from the robot. |
| 11 | Please turn on the power switch | The  button is pressed while the robot is on the charging station with the power switch turned off. | Please check and turn on the power switch. |

Note: If the problem is still not solved, please follow the instructions below:

- Please turn off and turn on the power switch to restart the robot.
- If the problem is not solved after a restart, please contact our ZACO Customer Service.

Product Specifications

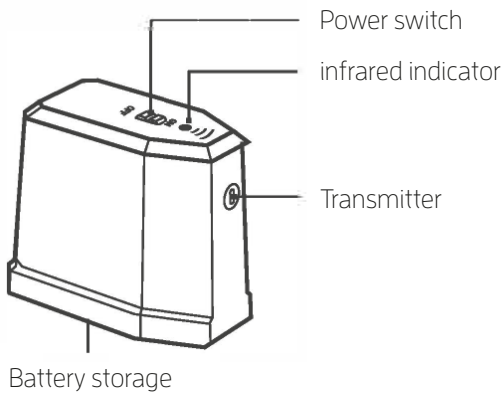
Robot specifications

| Type | Description | Specification |
|-------------------|------------------|---|
| Mechanical | Diameter | 330 mm |
| | Height | 76 mm |
| | Net Weight | 3,1 kg |
| Electrical | Voltage | 14.4 V |
| | Battery Type | Li-ion 2400 mAh |
| | Power | 22 W |
| | Charging Method | Automatic charging / Manual charging |
| Cleaning | Dustbin capacity | 0,45 l |
| | Cleaning Modes | Auto/ Spot/ Edge/ Schedule |
| | Charging Time | < 380 min. |
| | Cleaning Time | >100 min. |
| Main Body | | Mechanical button |

InvisibleWall

Invisiblewall parts

InvisibleWall creates an invisible barrier that the A9s Pro will not cross. This can be used to prevent the robot from entering certain areas.



InvisibleWall operation

- Install the batteries before turning the power on
- Put the InvisibleWall in front of the area that you wish to protect. Make sure to align the transmitter according to the instructions on top of the InvisibleWall device.
- Turn the InvisibleWall off after cleaning is finished.

