

NARWAL



T10 Operating Manual

Narwal Vacuuming and Mopping Robot

Model: YJCC007

2021-1-27

Dear user:

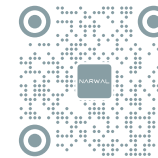
Thank you for buying Narwal product. To fully access our services, please read this manual and related diagrams carefully before using this appliance. Please keep this manual properly. Since this product is in continuous update, the actual product prevails.

If you have encountered any problem during normal use, please contact Narwal after-sales customer service in any of the following ways:

1. Contact Narwal customer center at support@narwal.com
2. Scan the following QR code below to follow our official account [Narwal intelligence] to watch product usage video.

Meanwhile, you can scan the following QR code below to download Narwal APP to access more functions and enjoy a more intelligent life now.

Enjoy the product.



↓ Download APP

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Important Safety Instructions

WARNING: To reduce the risk of injury or damage, read the following safety precautions before setting up, operating, and maintaining your robot.

General

- Do not allow to be used as a toy. Small children, pets and the elderly should be supervised when your robot is operating.
- Do not sit, stand or place any object on your robot or the base station.
- Only use as instructed in this manual.
- Only use attachments recommended or sold by the manufacturer.
- Your robot is not water-proof. Do not spray or pour liquids on your robot. If liquid spills on your robot, dry immediately.
- For INDOOR use ONLY. Do not use your robot in outdoor, commercial or industrial environments. Do not use your robot on wet surfaces or surfaces with standing water.
- Do not use your robot or base station if it is damaged, is not working properly, has been dropped, left outdoors, or come into contact with water. The robot must be repaired by the manufacturer or its authorized service agent.
- Do not use and store in extremely hot or cold environments. Do not operate below 0 C /32 F or above 35 C /95 F . Do not store below -20 C /-4 F or above 70 C /158 F). Charge your robot in temperature between 5 C /41 F and 30 C /86 F . Keep your robot away from fire or places with temperatures higher than 130 C /265 C . Otherwise, your robot may explode.
- Keep the front side of your robot facing upward at all times when transporting, moving, or operating your robot, or replacing any component for it. Your robot may be damaged if turned upside down.
- Do not expose your robot to direct sunlight.

Operating your Robot

- Do not handle plug or your robot with wet hands.
- Ensure a clearance of 1 meter / 3 feet for a 180° range in front of the base station.
- Before using your robot, pick up objects on the floor, including clothing, loose papers, cords for blinds or curtains, power cords, and any fragile objects. If your robot passes over a cord and drags it, there is a chance an object could be pulled off a table or shelf. Ensure that no sharp objects, such as blades, scissors, or screwdrivers, are in the cleaning area.
- Remove lit candles and fragile items from on top of furniture before operating your robot. Your robot may hit or bump into the furniture and knock off items on top.

- Ensure that your robot will operate on indoor flat floors and that there are no stairs or barriers higher than 15 mm / 0.5inch in areas to be cleaned. If there is a drop off in the cleaning area due to a step or stairs, you should operate your robot to ensure that it can detect the step without falling over the edge, or specify a no-go area by placing a magnetic strip provided by the manufacturer or build a physical barrier of no less than 25 mm / 1 inch high so as to prevent the robot from falling. Make sure the physical barrier is not a trip hazard.
- The robot will move around automatically. Therefore, watch your step in the operation areas of the robot to avoid step on it. Take care of babies, children, pets, the blind and the elderly if they are near a running robot. Never operate your robot in a room where an infant or child is sleeping.
- Ensure network access in the room so that you can view your robot working status through the APP on your phone.
- Do not move the robot randomly because it will result in positioning failure of the robot. If you move items in the cleaning area after map creation, such as couch, tea table, or dining table, your robot may create a map again, which is normal.
- Keep hair, loose clothing, fingers, and all parts of body away from any openings and moving parts.
- Do not allow your robot to pick up large objects like stones, large pieces of paper or any item that may clog your robot.
- Your robot may get blocked by objects. Please turn off power and then manually remove the obstacle.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
- Do not use your robot to pick up flammable or combustible materials, such as gasoline, printer or copier toner, or use in areas where they may be present.
- Do not use your robot to pick up anything that is burning or smoking, such as cigarettes, matches, hot ashes, or anything that could cause a fire.
- Do not use your robot in explosive or volatile areas or areas easy to leak or collect static electricity, such as a gas station.
- Anytime you encounter a liquid leak, stop using your robot, turn off the power, and contact after-sales personnel.
- In cleaning mode, add detergent specified by the manufacturer to the clean water tank. Non-designated detergent may cause damage to your robot.
- During and after mopping, the floor will be wet. Be careful to avoid slipping.
- When using the mopping function, it is normal for overflowed water to collect below the base station. Clean the excess water with a dry towel.
- After mopping operation, the base station will dry the mop. During this process, do not pull out the plug or disconnect power to the base station.

Cleaning and Maintenance

- Turn off the power switch before cleaning or maintaining your robot.
- Considering the limited capacity of the dust bin and water tank, empty the dust bin and water tank as soon as possible after hearing the alert.
- When not using the base station for a long period of time, please unplug it.
- Do not attempt to repair your robot or the battery pack, except as indicated in the instructions for use and care.
- Do not disassemble or modify your robot or alter the software by yourself. Only authorized maintenance personnel can replace faulty components to ensure device safety.
- To clean the surface of your robot, damply wet a towel or tissue with water and wipe the surface of your robot. During cleaning, do not let liquid penetrate into your robot.
- Vacuuming operation may get the side brush tangled by hair or fur and cleaning operation will result in wastewater in water tank. Clean the side brush and water tank after operation. Keep the water level below the Max mark on the tank so as to prevent overflowing and damaging your robot.
- Do not incinerate your robot even if it is severely damaged. The batteries can explode in a fire. Do not dispose your robot as an unclassified waste. Contact your local regulation department for information about recycling and disposal. If your robot is buried in a landfill or wasteyard, hazardous substances may leak into underground water and enter the food chain, which harms health and well-being. For more information about waste collection and recycling, contact your local sanitation department.

Battery, Power Cord and Charging Warnings

- Use only 100 V AC-240 V AC input power as required by the manufacturer. Otherwise, your robot may be damaged.
- Using your robot's battery improperly may result in fire or explosion. Do not heat, disassemble, puncture, or destroy your robot or its battery, nor incinerate them.
- Do not charge your robot for a prolonged time, otherwise the battery may be damaged.
- Before every use, check the battery pack for any signs of damage or leakage. Do not charge damaged or leaking battery packs. Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion and risk of injury.
- Under extreme conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, immediately seek medical help. Liquid ejected from the battery may cause irritation or burns.
- Use your robot only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- Take care not to damage the power cord. Do not pull on or carry your robot or base station by the power cord, use the power cord as a handle, close a door on the power cord, or pull power cord around sharp edges or corners.
- Do not touch the connector of the power cord with wet fingers.
- Do not run your robot over the power cord.
- Keep power cord away from hot surfaces.
- Turn off all controls before unplugging. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Do not use if power cord is damaged. Power cord must be replaced by the manufacturer or its authorized service agent in order to avoid a hazard.
- When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals may cause burns or a fire.
- 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.

Laser Safety

The laser distance sensor of this product meets the standards for Class I Laser Products in IEC 60825-1: 2014 and will not generate hazardous laser radiation

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. L' émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d' Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L' exploitation est autorisée aux deux conditions suivantes: 1. L' appareil ne doit pas produire de brouillage; 2. L' appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d' en compromettre le fonctionnement.

FCC/IC RF RADIATION EXPOSURE STATEMENT CAUTION:

To maintain compliance with the FCC's RF exposure guidelines, place the product at least 20cm from nearby persons

Pour rester en conformité avec les consignes d'exposition aux RF, placez le produit à au moins 20 cm des personnes proches.

CAN ICES-003 (B)/NMB-003(B)

IC CANADA

This device contains licence-exempt transmitter(s)/receiver that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: 1. This device may not cause interference. 2. This device must accept any interference, including interference that may cause undesired operation of the device.

Warning: 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.

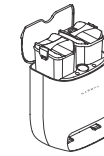
T10 NARWAL

What's Inside

Body

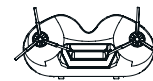


Robot x 1
(a dust bin included)

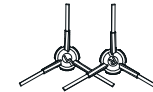


Base station x 1
(cleaning board, clean water tank, and wastewater tank included)

Accessory



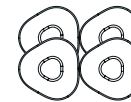
Vacuumping module
x 1



Side brush
x 2



Mopping module
x 2



Mop
x 4



Magnetic strip
x 1



Hook cutter
x 1



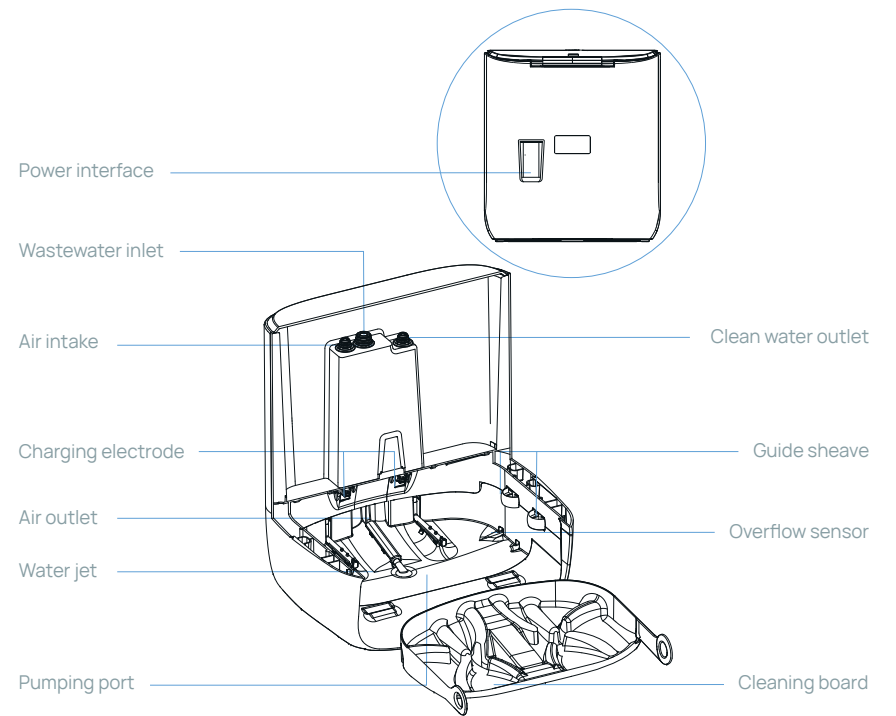
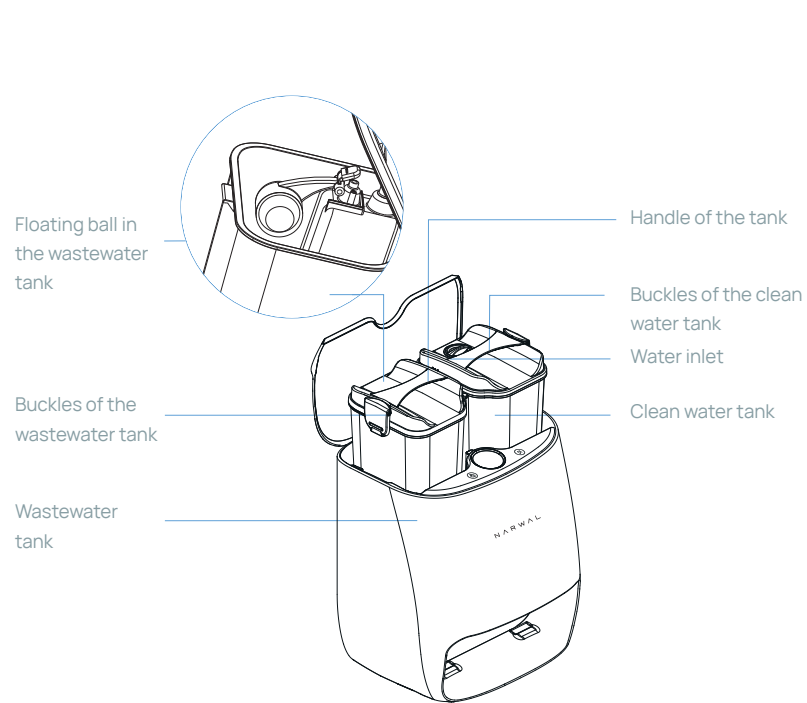
Power cord
x 1



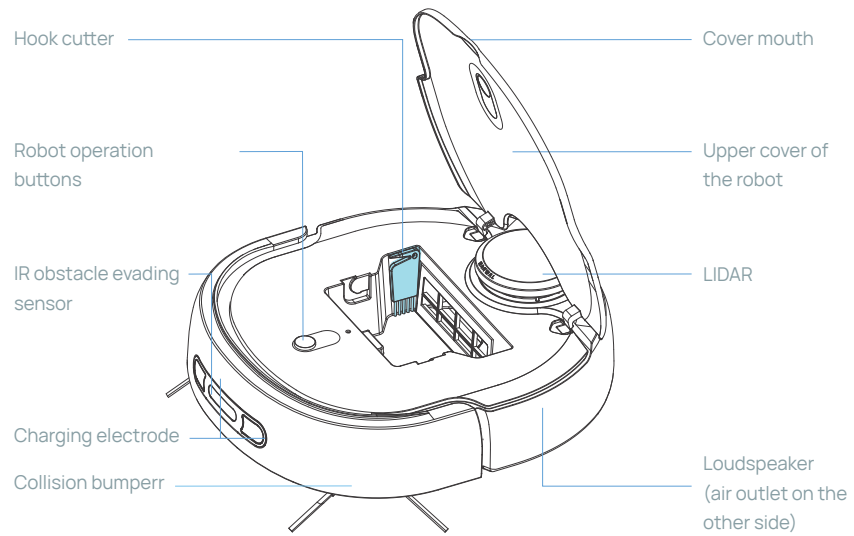
Filter sponge
x 2

Product Components

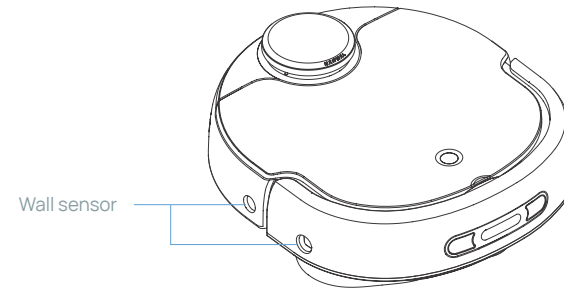
Base station



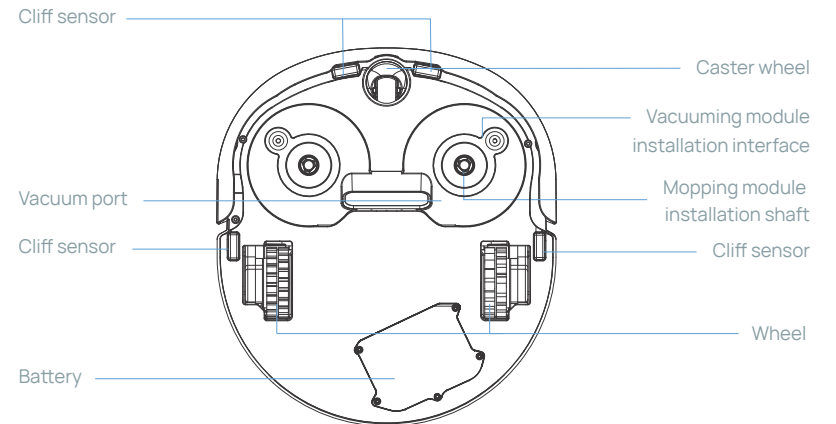
Robot



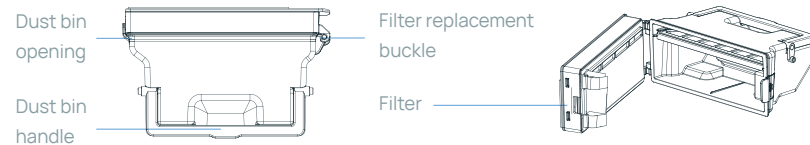
Side of the robot



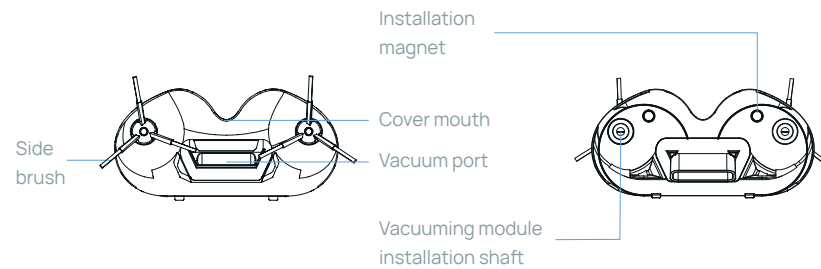
Bottom of the robot



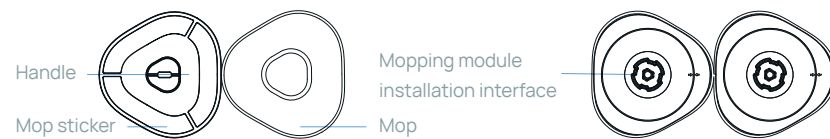
Dust bin



Vacuating module



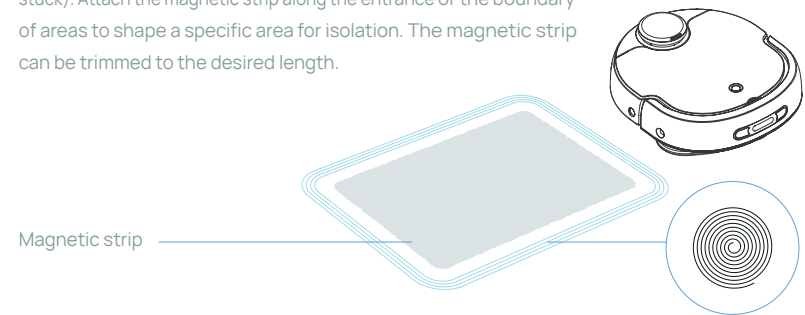
Mopping module



Other accessories

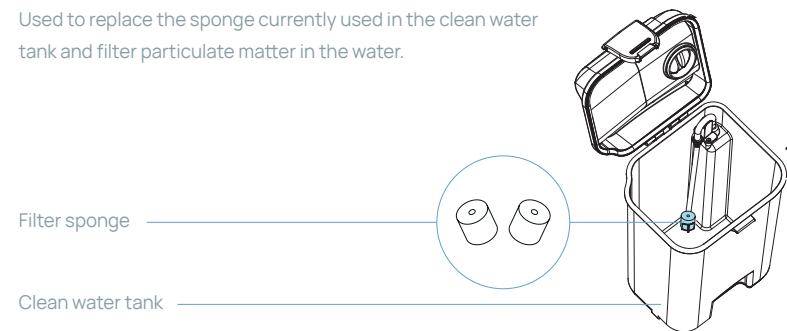
Magnetic strip:

Isolates areas that are not to be cleaned (where the robot may get stuck). Attach the magnetic strip along the entrance or the boundary of areas to shape a specific area for isolation. The magnetic strip can be trimmed to the desired length.



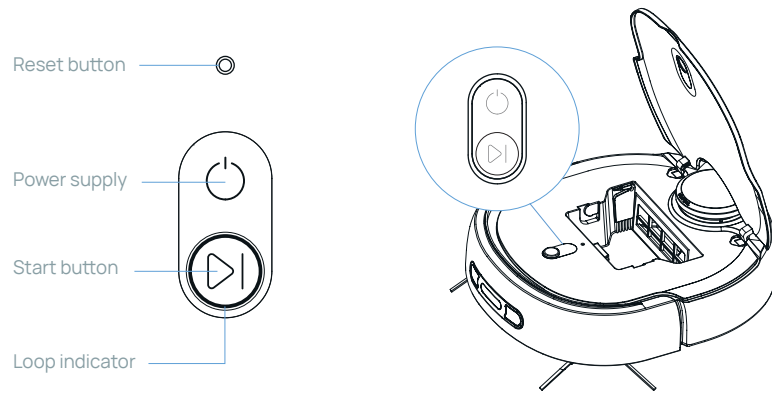
Filter sponge:

Used to replace the sponge currently used in the clean water tank and filter particulate matter in the water.



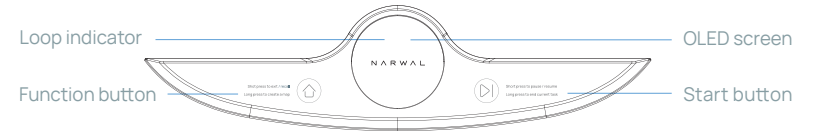
Operation Panel

Operating panel of the robot



Button/Indicator	Operations and Functions
Reset button	Press and hold for 3 seconds to reset the robot
Power supply	Press and hold for 2 seconds to start/stop
Start button	a. Press and hold for 2 seconds to end current task b. Short press to pause/resume
Power supply & Start button	Press both buttons and hold for 2s: Enter network configuration mode or reset Wi-Fi
Loop indicator	Steady white: Stand-by Breathing purple: Suspended Steady purple: Working Breathing red: Fault

Operating panel of the docking station



Button/Indicator	Operations and Functions
Function button	Short press: Recall to/Exit from the base station
Start button	Press and hold for 2s: Start creating a map Short press: Start/Pause a task
Function button & Start button	Press and hold for 2s: Forcibly end the current task and go stand-by Press both buttons for 2s: Enable or disable the child lock
Loop indicator	Steady white: Stand-by Breathing purple: Suspended Steady purple: Working Breathing red: Fault

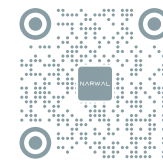
Icons on the OLED screen

- Vacuum icon: Shows the current cleaning state
- Mop icon: Shows the current cleaning state
- Child lock icon: Indicates that the panel of the base station has been enabled
- Charging icon: Indicates the robot properly contacts with the charging electrodes of the base station
- Battery icon: Shows the current battery level
- Child lock icon: Indicates that the panel of the base station has been locked

PRODUCT USAGE

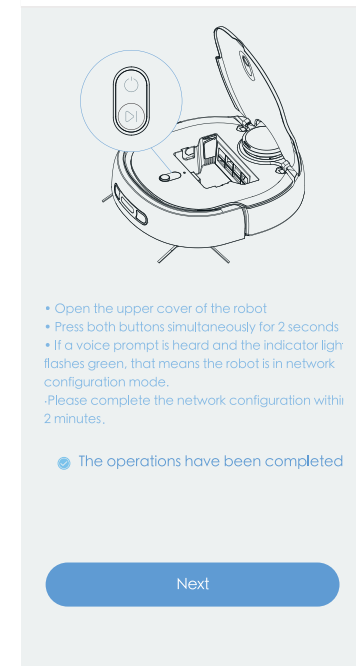
APP Operations and Guidance

You can also unlock more advanced functions through the APP. The following introduces how to download the APP and connect the robot.



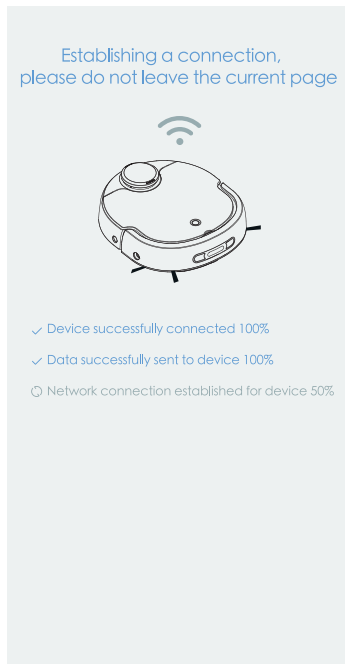
Download APP

1. Scan the preceding QR code to download and register with the APP.

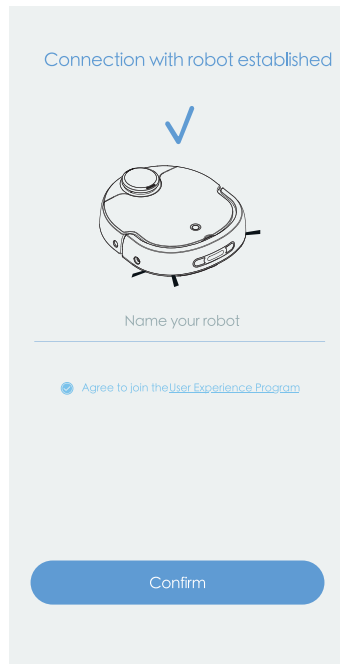


2. Tap to add the robot and then configure the network. Prior to configuring the network, please make sure:

- (1) The robot is turned on (the button indicator is steady on);
- (2) You have access to your home Wi-Fi;
- (3) Your phone is connected to your home Wi-Fi.



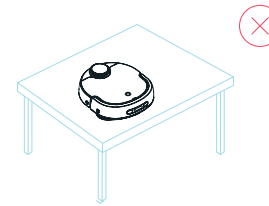
3. Return to the APP and wait for the network configuration to complete.



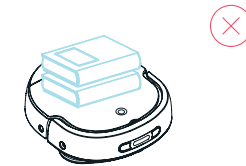
4. Network connection success

Precautions

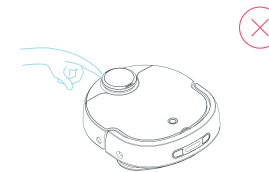
Suitable for indoor floor cleaning ONLY. Do not use outdoors (such as open balconies), non-floor areas (couch or window), high-rise areas, commercial or industrial environments.



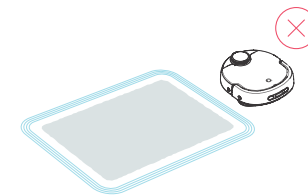
1. Do not use in suspended areas (duplexes or top of furniture) without a fence.



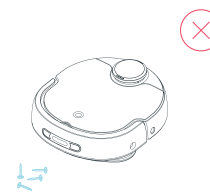
2. Do not place any object (human or pet) on a static or running robot.



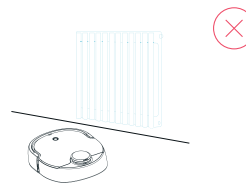
3. To avoid injury, keep hair, fingers, or other parts of the body away from the mop, side brush, LIDAR, vacuum port, or cleaning board of the robot.



4. If you don't want the robot to enter the carpet area or areas with valuables during cleaning, set this area as an off-limit area or attach a magnetic strip to keep the robot away from it to avoid property damage.



5. Do not let the robot pick up hard or sharp objects.



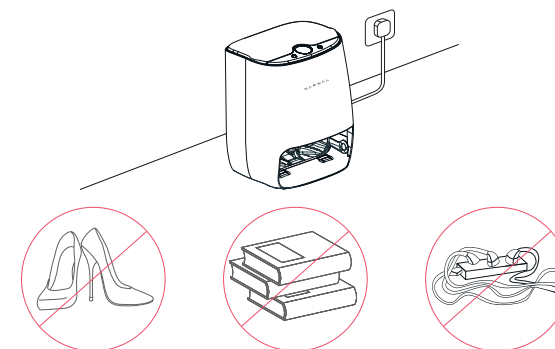
6. Keep the robot away from heat or water sources (such as heating radiators and taps).

Operating Your Robot

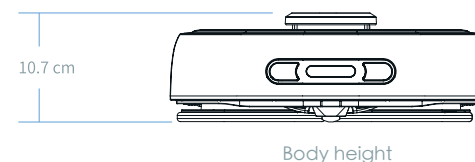
7. Do not operate the robot with an opened upper cover. Otherwise, the robot will be damaged.
8. To move the robot, hold both sides of the robot tight and lift it upward vertically.
9. Do not lift the base station with the robot in it in case that the robot may slip off.
10. Persons (including children) with reduced physical, sensory, or mental capabilities must be given supervision or instruction by a guardian concerning the use of the product.
11. Do not use the robot as a toy. Close attention is necessary when children or pets are nearby. Keep the robot away from them.
12. Do not place the vacuuming module, mopping module, and other parts in areas accessible to children.
13. Do not place the packing parts (bags or foam) in areas accessible to children.
14. Do not use your robot to clean shaggy carpets.
15. Do not use your robot to clean anything that is burning (such as cigarette ends).
16. Do not use the mopping module on carpets.
17. Clean or maintain the robot and the base station only after turning off the power and disconnecting the power cord.
18. Do not use a wet cloth or any liquid to wipe any part of the robot body.
19. Do not use any third-party batteries, chargers, or charging bases.
20. Do not disassemble, repair, or re-configure the robot, base station, or battery.
21. Do not disassemble, repair, or re-configure the robot, base station, or battery.
22. If the power cord is damaged or broken, stop using the product and contact customer service.
23. To transport this product, ensure that the robot is powered off and recommend packing it in the original package.

Before use

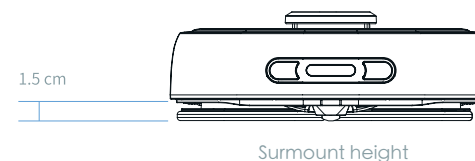
1. Remove items on the floor, such as power cords, clothes, and magazines, to prevent the robot from being entangled during operating. If entangling happens, power outage, item damage, cable weariness, and robot fault may occur.



2. If there is furniture of the same height as the robot, set the furniture as an off-limit area to prevent the robot from being blocked. ⚠



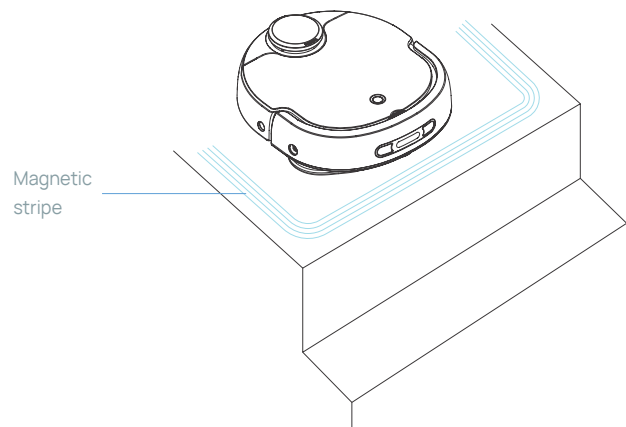
3. The robot can surmount up to 1.5 cm. If the doorsill exceeds 1.5 cm, the robot cannot enter the room. ⚠



4.If you don't want the robot to enter the carpet area or areas with valuables during cleaning, set this area as an off-limit area or attach a magnetic strip for isolation. ⚠



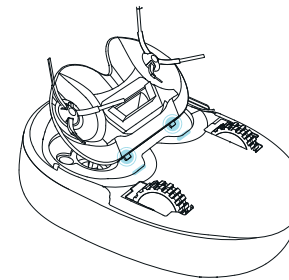
5.It is recommended that the robot be used in two-storey rooms with a fence or magnetic strip presence. ⚠



Components Installation and Uninstallation

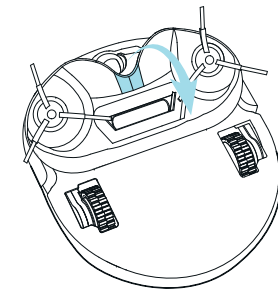
Installing the vacuuming module:

Insert the two buckles at the bottom of the vacuuming module into the slot and click them in.



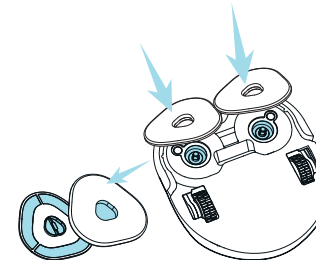
Uninstalling the vacuuming module:

Lift upward the cover and remove the vacuuming module.



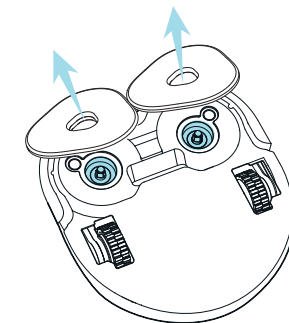
Installing the mopping module:

Align the installation interface of the mopping module with the installation shaft and rotate the module until it clicks in.



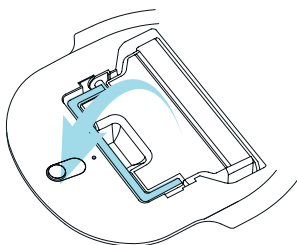
Uninstalling the mopping module:

Hold the handle of the mopping module and lift upward to remove it.



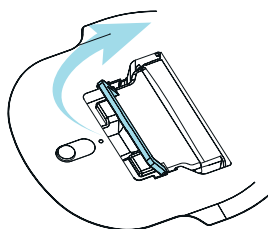
Installing the dust bin:

Align the dust bin to the groove, press the handle downward to tuck the dust bin in.



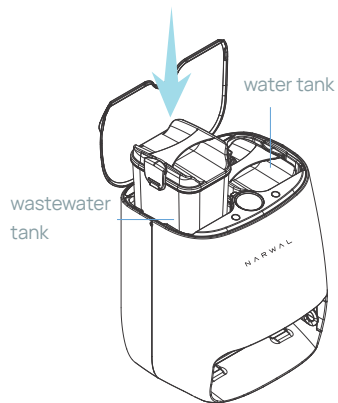
Uninstalling the dust bin:

After the dust bin handle is taken out, lift it upward to remove the bin.



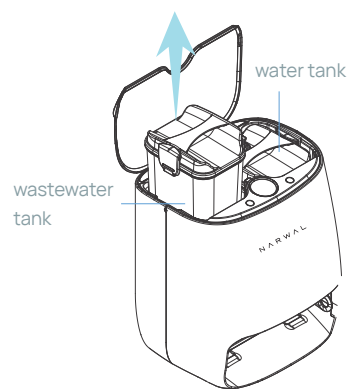
**Installing the clean water tank/
wastewater tank:**

Install the clean water tank on the right side of the base station and the wastewater tank on the left of the base station.



**Removing the clean water tank/
wastewater tank:**

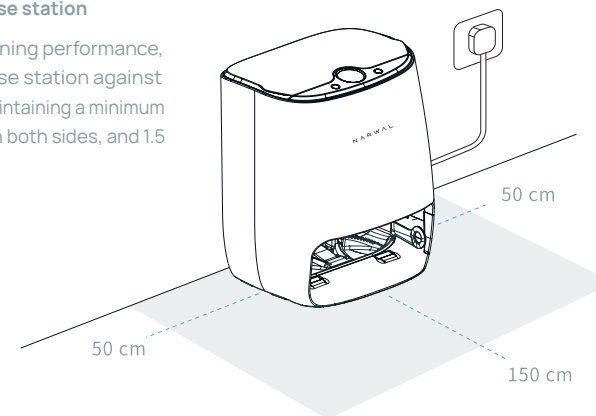
Open the upper cover of the base station and take out the tank.



On First Use

1. Positioning the base station

To optimize the cleaning performance, please place the base station against a wall of the room, maintaining a minimum clearance of 0.5 m on both sides, and 1.5 m in front.



2. Connecting the base station to the power supply

Take the power cord out of the accessory box, and connect one end of the cord to the rear jack of the base station and the other to a power outlet. (Please plug in the power cord tightly to avoid poor contact) ⚠

