♡ MILAGROW **AguaBot 21**

Floor Mopping Robot

User Guide

Thank you for choosing Milagrow AguaBot 21 Floor Mopping Robot! You've joined millions of people to get cleaning done robotically.

This user manual helps you to keep your robot performing at its best. Please take a few moments to read through it.

You may also connect with us on Facebook and Twitter to enjoy exclusive benefits:

- Get model-specific customer support, including Q&A, maintenance tips, demo videos, live chat and more;
- Get the most recent product updates including new product launches, exclusive discounts and special promotions.

You may find us on:
Facebook: facebook.com/milagrowhumantech/
Twitter: twitter.com/MilagrowRobots

If you have any questions, please contact our customer service for assistance or visit www.milagrowhumantech.com for more information.

Enjoy automated home cleaning performed by Milagrow AguaBot 21.

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Important Safety Instructions

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

* **Read all instructions before using this appliance.**

> ❗ **WARNING -** To reduce the risk of fire, electric shock, or injury.

- Do not leave appliance when plugged in. Unplug from outlet when not in use and before servicing.

- Do not use outdoors.

- Do not allow device to be used as a toy. Close attention is necessary when used by or near children.

- Use only as described in this manual. Use only manufacturer's recommended attachments.

- Do not use with damaged power cord or plug. If appliance is not working as it should, or it has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.

- Do not pull or carry by power cord, use power cord as a handle, close a door on power cord, or pull power cord around sharp edges or corners. Do not run appliance over power cord. Keep power cord away from heated surfaces.

- Do not unplug by pulling on power cord. To unplug, grasp the plug, not the power cord.

- Do not handle plug or appliance with wet hands.

- Do not put any objects into openings. Keep free of dust, lint, hair and anything that may reduce air flow.

- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.

- Turn off all controls before unplugging.

- Do not use the robot to wash flammable or combustible liquids, such as gasoline, or use in areas where they may be present.

Important Safety Instructions

> ❗ **CAUTION-** To reduce the risk of injury from moving parts, unplug before servicing.

- Do not allow robot to clean anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not use without water tank in place.
- Always insert batteries correctly with regard to polarity (+ and -) marked on the battery and the product.
- Exhausted batteries should be immediately removed from product and properly disposed of.

Intended use

- This product is intended for household use only. It is not intended for commercial use.
- This product is intended to work in environment between -10°C and 50°C.

Tips and tricks

- Stop the appliance promptly if error occurs during cleaning. Before using the appliance, remove all power cords and small objects from on the floor.
- Roll up carpet tassels and make sure that curtains and tablecloths are not in contact with the floor.
- If there are any raised floors such as steps or stairs, test if the appliance can detect the height difference to prevent it from falling.
- Do not allow hair, clothes or fingers near openings or mechanical parts of the appliance.
- Do not put any objects in the roller brush holder. To ensure smooth rotation of the roller brush, remove dust, batting and any hair from around it.

Important Tips

⚠️ Milagrow AguaBot 21 contains electronic parts. DO NOT immerse the robot's main body in water.

How to start

- **Turn on/off**

  To turn the robot on, press [CLEAN] for 0.5s. To turn it off, press [CLEAN] for 3s. Release the button after a sound alert.

  - The robot will automatically enter sleep mode if no command is received within 20 minutes.

- **Pause/Resume**

  To pause the robot, press [CLEAN] while it's cleaning. Press [CLEAN] again to resume the cleaning cycle.

- **Clean**

  Install the main brush before use. Fill the clean water tank with clean water.

How to perform the best

- Fill up the clean water tank before each use for better performance.
- Choose the Spot mode for areas with stubborn stains.
- Empty the dirty water tank after each use, and clean the water tank outlets and inlets regularly.
- Remove the main brush and rinse with water once a week.
- Clean both vents and remove the dust and debris regularly.
- The robot is skilled at cleaning up different types of stains, like milk, ketchup, coffee and footprints.

Milk   Ketchup   Coffee   Footprints
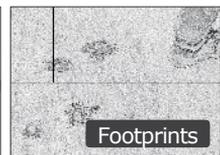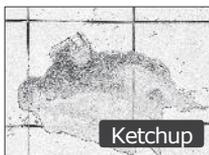
Important Tips

> • The robot works on a variety of hard floor surfaces, such as porcelain tiles, vinyl flooring, and laminated floors.

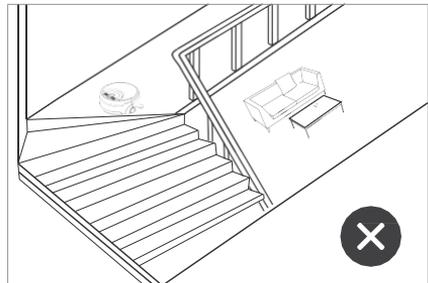• The robot performs well on tile floor with small gaps.

• The robot does not work properly on tile floors with gaps wider than 10mm.
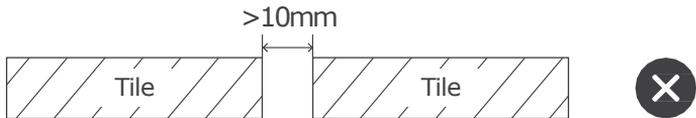
• The robot does not work properly on tile floors if the height difference between tiles is higher than 3mm.

• The robot does not work properly on uneven tile floors (more than 2mm in height).

• Don't use the robot on the upper floor if there is a risk of it falling down.

• Don't use the robot on stairs to reduce the risk of it falling down.

In the Box

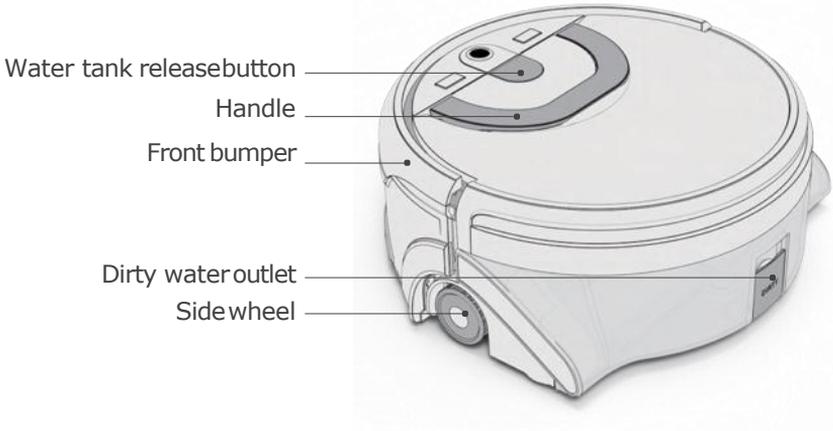| Robot main body (include a main brush) | Charging dock | Adapter |

| Extra Main brush | Cleaning tool | Remote control |

| User guide |

Product Anatomy

Main body

Water tank release button

Handle

Front bumper

Dirty water outlet

Side wheel

Display panel

Cleaning modes

Start/Stop clean

Camera
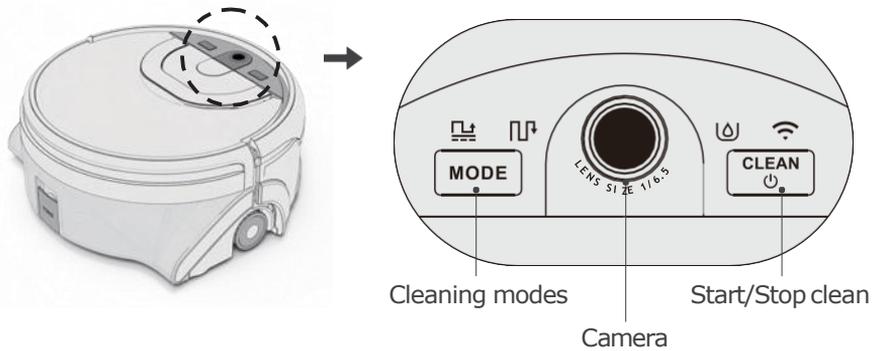
🔲 : Area mode	💧 : Water tank alert
🔼 : Path mode	📶 : WIFI indicator

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Product Anatomy

Host machine

Integrated water tank

Dirty water level detector

Main brush

Main brush soft cap

Main brush gearwheel

Clean water inlet

Fan-coil inlet

Product Anatomy

Sprinkler nozzles

Side wheel

Cliff sensors

Charging pins

Universal wheel

Side wheel

Cliff sensors

Rear wheel

Suction passage

Scraper

Lock button

Fan-coil outlet

Clean water outlet

Minimum water level

Clean water inlet cap
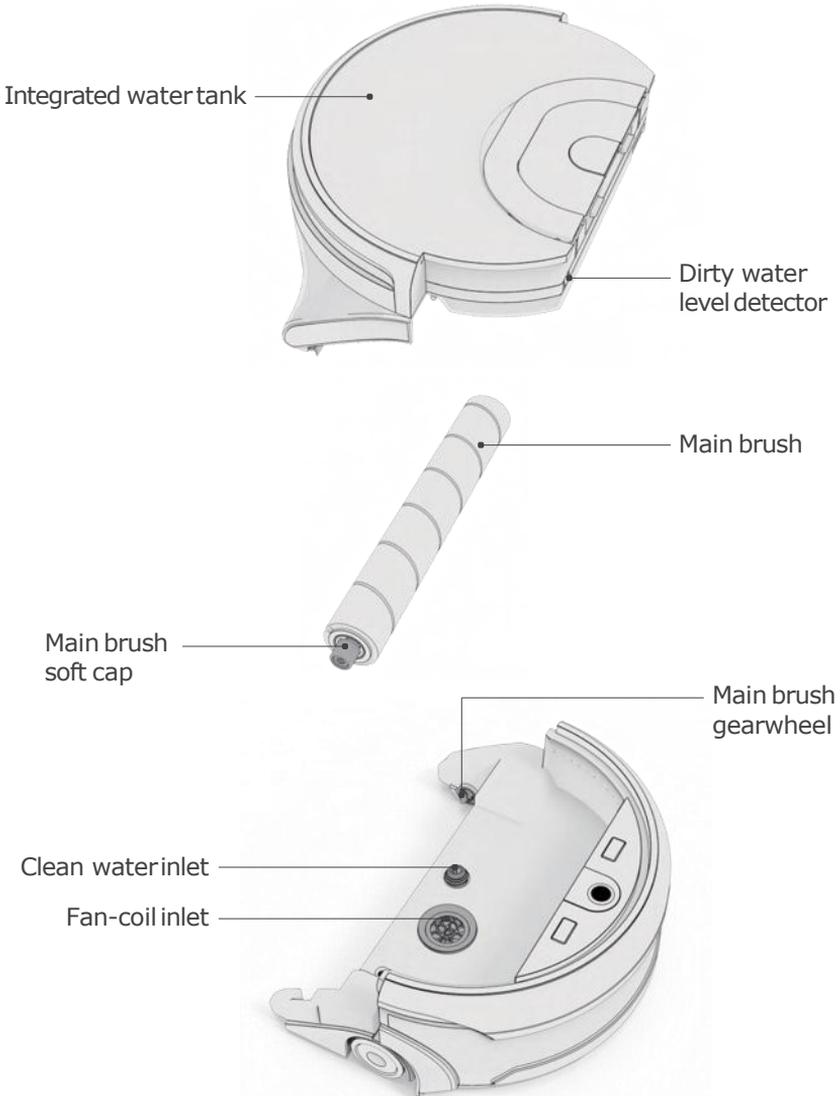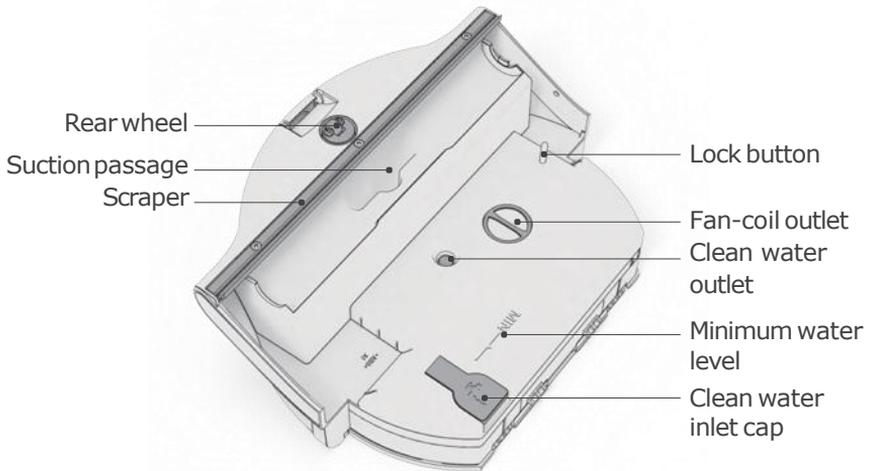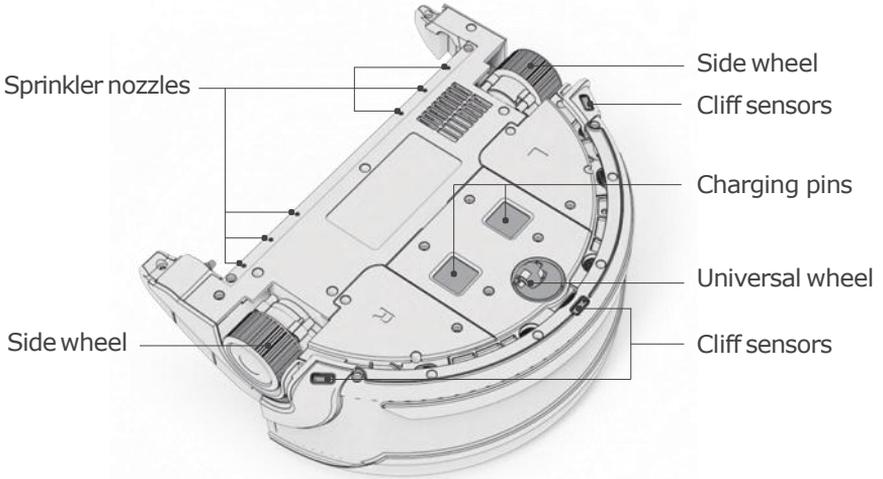
Product Anatomy

Remote control

1 Up	**2** Right
3 Left	**4** Down
5 Path mode	**6** Area mode
7 Spot mode	
8 Voice	
(Turn on/off the voice alert)	
9 Water flow	
(Adjust water flow from 1st-3rd level)	
10 Repeat	
(Repeat cleaning 3 times at max)	
11 Brush	
(Adjust brush speed from low to high)	

1
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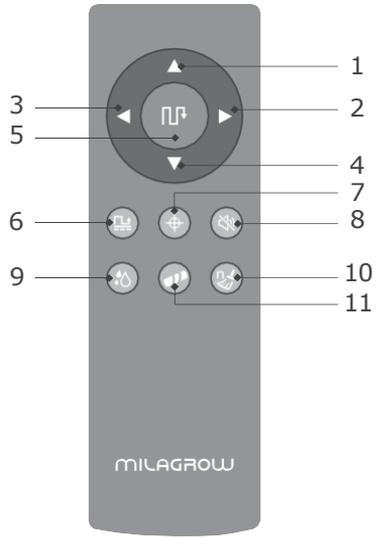
* Up/Down/Left/Right Direction can only be changed when the robot is on standby.

Charging dock

Charging ports

Adapter wire brackets

Power socket
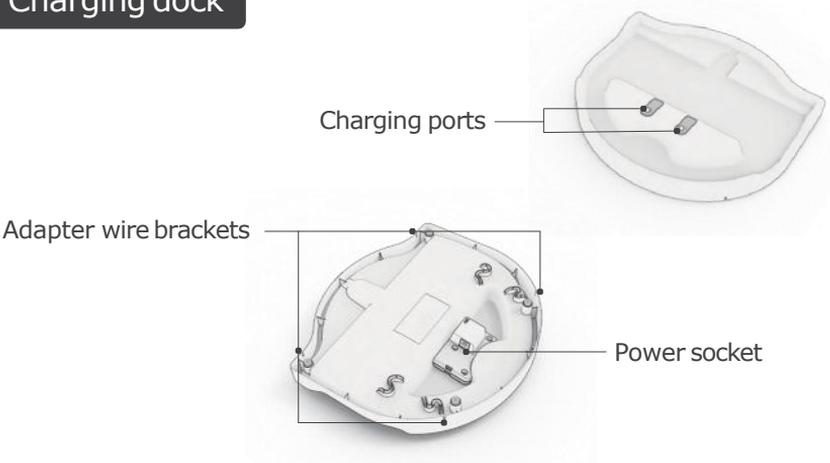
Product Anatomy

Indicator

| Lights	Status
CLEAN Orange light flashes	Charging
CLEAN Green Light goes out	Fully charged
MODE Green light flashes	Select modes
CLEAN Red light goes on	Machine fault
CLEAN Orange light flashes	Low battery
⬚ Green light goes on	Auto Mode
⬚ Green light goes on	Area Mode
CLEAN Green light goes on	Spot Mode
💧 Green light goes on. Please refill the clean water according to voice alert. Green light goes on. Please empty the dirty water tank according to voice alert.	Water
📶 Green light flashing means it's connecting to the server. Green light going on means it's connected.	Wi-Fi

Installation

Install the charging dock

Milagrow AguaBot 21 is not a self-charging robot. Please take it to the dock manually for recharging after each use.
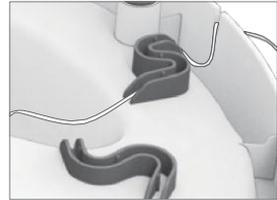
Step 1

❶ Turn the charging dock upside down.
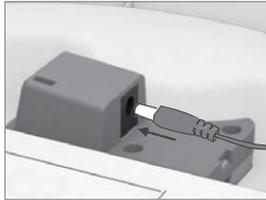
❷ Plug in the power cord.

❸ Secure wires around the cable channel.

- **Step 2**

Put the charging dock somewhere level, dry and safe, and manually take the robot back to the charging dock to recharge.

Voice alert: Start Charging

❶ Put charging dock and the robot in right direction.

❷ Take the robot back to charging dock.

> **Note:** Do not put the main brush on the metal chips of the charging dock. The brushes may have residual moisture and cause damage.

Battery condition

- If the light on ⬜ is orange, it means the battery is low. Please charge it immediately.

Working time	Green light	Orange light	Orange light flashes
	>30 mins	<30 mins	Recharge immediately

Installation

Install the main brush

• It's recommended to properly dampen the main brush before installation for better cleaning performance.

❶ Insert the recessed end of the main brush into the gearwheel.

❷ Press down on the capped end into the other end of the main body.

Install the water tank

Step1. Fill the water tank

❶ Press down on the water tank release button, pull the handle up to detach the tank.

❷ Turn the integrated water tank upside down.

❸ Open the clean water tank cap and fill up the tank with clean water.

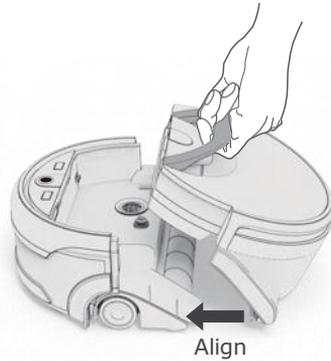❹ After filling up the water, erect the water tank to ensure that the water volume exceeds the minimum water level.

Minimum water level
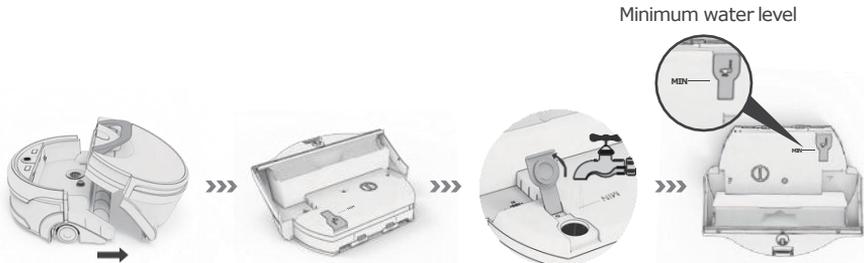
Note: 1. Do not use distilled or purified water.
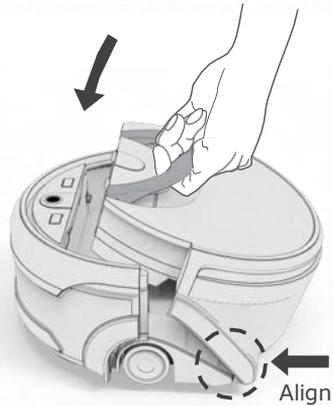2. Do not add any detergents.

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Installation

Step2. Install the water tank

1 Align the bottom of the integrated water tank with the main body and push forward.

Align

**2** Align the ends and move the water tank to insert it into the main body.

Align

**3** Press from the top until a splat is heard.

"TA"

Start Cleaning

Select cleaning mode

Press [MODE] button on robot to select cleaning modes. When the cleaning mode is selected, its related indicator light will be in green. Then press [CLEAN] button to start cleaning. Remote control and APP can be also used to select cleaning modes.
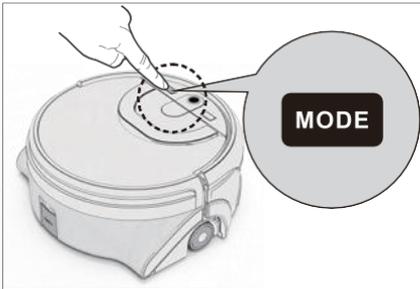
Ⓐ Tap the [MODE] button to switch cleaning modes.
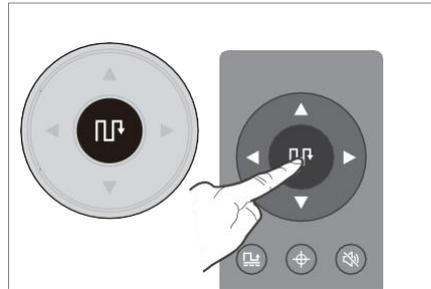
Ⓑ Press (ᴨᴨ)/(🔲)/(⊕) button on remote control to start cleaning with related cleaning mode.

> 🔔 **Note:**
> The remote control can only be used when the robot is turned on.

Standby mode

1. Press [MODE] button to choose cleaning mode. Press [MODE] button 3s to connect the robot to Wi-Fi.
2. Press [CLEAN] button to start cleaning, and press [CLEAN] button again for 3s to turn the robot off.
3. The robot will go to SLEEP mode if no command received in 20mins.

> 🔔 **Note:**
> The above can only be operated in standby mode.

Start Cleaning

Area mode

- Recommended to clean a specific area. The robot will clean the area ahead of its starting point at zigzag path. It will return to the starting point when cleaning finished. Press [CLEAN] button to pause the robot.
  (The below right picture shows the cleaning path of area mode, subject to the actual situation.)

Forbidden Area
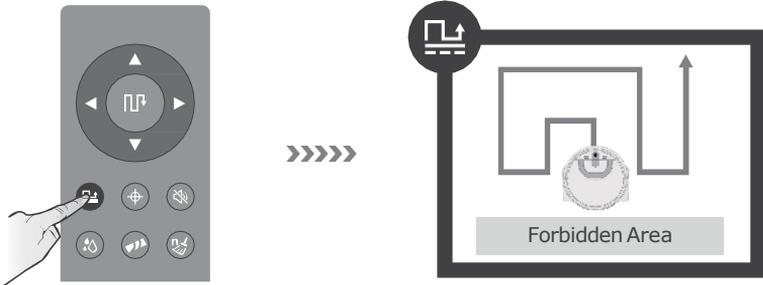
Path mode

- Recommended to clean large area. The robot cleans in zigzag path and return to the starting point when cleaning finished automatically.
  Press [CLEAN] button to pause the robot.
  (The below right picture shows the cleaning path of path mode, subject to the actual situation.)
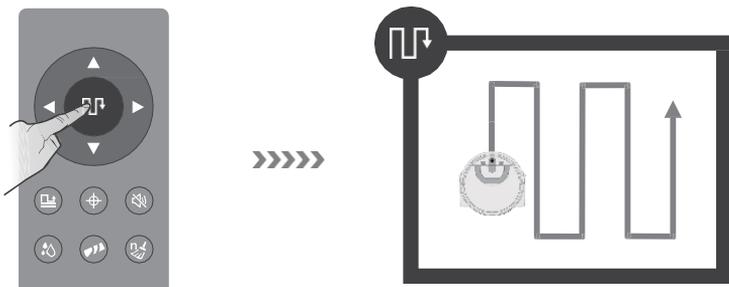
Start Cleaning

Spot mode

- Recommended to clean a localized area with heavy stains. The robot cleans in "spiral" path and return to the starting point and goes into standby mode when cleaning finished automatically.
(The below right picture shows the cleaning path of Spot mode, subject to the actual situation.)
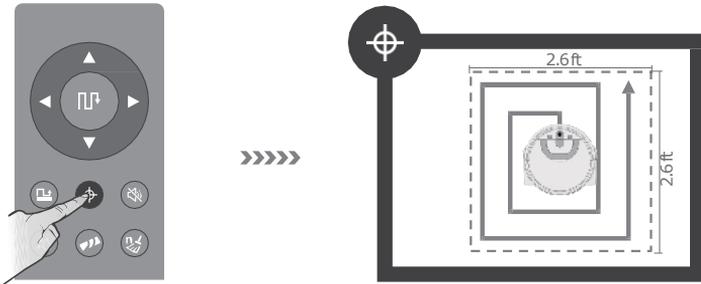
Place the robot

- Select cleaning mode and press CLEAN button start cleaning. For better cleaning efficiency, please place the robot stably against walls and keep 0.5m away from any obstacles.

- Press CLEAN button again to stop the robot from cleaning.

- The robot will work out the best cleaning path when running. If the robot is moved manually or by remote control, it gets disrupted and will work out a new cleaning path. In order to improve cleaning efficiency and reduce repeated cleaning, please do not move the robot when it's cleaning.
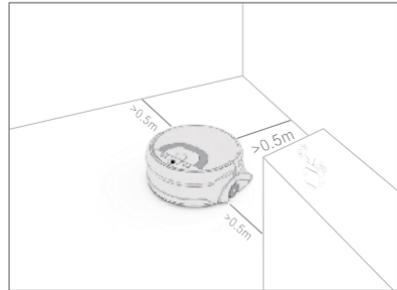
> **! Attention**
> 1. The robot will return to the starting point when clean water runs out or the dirty water tank is full. Users should refill the clean water or empty the dirty water according to its voice prompts. Put the robot to the place where it stops cleaning and press the clean button to continue the work.
> 2. Please empty the dirty water tank after each cleaning, as well as cleaning up and maintaining the robot.

APP Download

Downloading the APP

The robot can be controlled by the "Milagrow AguaBot 21" app. Please find the APP with its name "Milagrow Aguabot Robot" on Google Play/APP store. Or check our website www.milagrowhumantech.com for the QR code downloading.

Maintenance

- To keep the robot running at peak performance, you are advised to perform the following maintenance regularly:

Component	Maintain	Replace
Water tank	After each use	/
Main brush	Once per week	3-5 months
Suction passage	Once per week	/
Fan-coil outlet	Once per week	/
Universal wheel	Once per month	/

Clean the dirty water tank
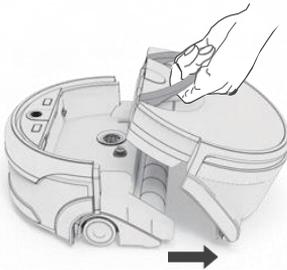
❶ Detach the integrated water tank.

❷ Open the cap and empty the waste.

❸ Fill the dirty water tank with clean water. Close the cap and shake.

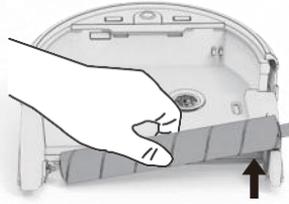❹ Open the cap again and empty the tank.

Maintenance

Clean the main brush

- Remove the integrated water tank and take out the main brush, then rinse with clean water.

❶ Detach the integrated water tank.

❷ Remove the main brush from the robot body.

❸ Remove all the debris on the main brush.

❹ Rinse the main brush with clean water, and air dry it before reinstallation.

🔔 **Note** :

1. The scraper is screwed to the robot. It is not recommended to disassemble it. Just rinse it after each cleaning.

2. The cleaning effect will be affected if the scraper is squashed deformation. Please install the water tank on robot and put it on charging base correctly after each cleaning or maintenance.

✓   ✗
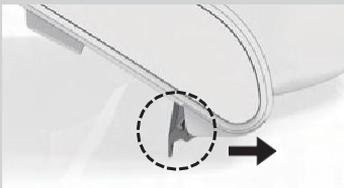
Maintenance

Clean the filter

- Remove the filter from the water tank and rinse with water.

| Filter | Remove the filter. | Rinse it with water. |

Clean the water tank openings

- After removing the filter, press the water tank lock button to open the fan-coil outlet. To maintain the water tank's proper functioning, clean both openings of the fan-coil outlet and remove dust and debris.

Fan-coil outlet

Lock button
Suction passage

Press the lock button and clean the fan-coil outlet.

Clean the other suction passage.
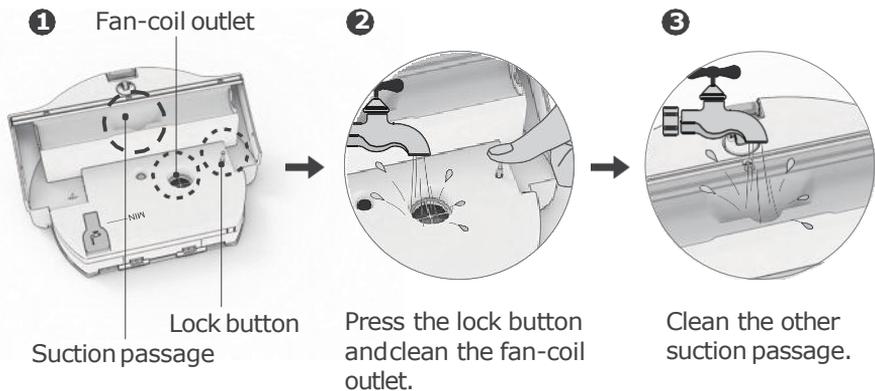
Maintenance

- To keep the tanks tightly sealed, clean the inlet and outlet, and the caps of both tanks regularly.

Caps

Inlet

Outlet

Caps
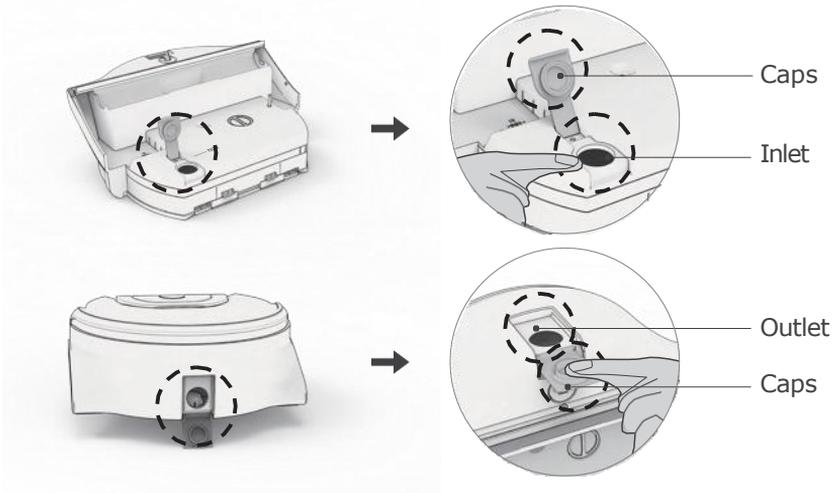
Clean the metal pins on the dirty water tank / main body / charging dock

- Wipe the the metal pins on the dirty water tank / main body / charging dock regularly with dry clean cloth.
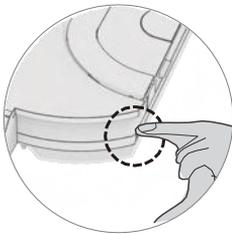
Metal pins on the dirty water tank

Metal pins on the main body
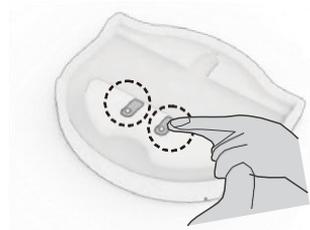
Metal pins on the charging dock

Maintenance

Clean the universal wheel

- Turn the robot upside down and check if the universal wheel can rotate smoothly. Remove the universal wheel by pulling it out vertically. Check if there is any hair or debris stuck on it.

❶Turn the robot upside down.

❷Pull the universal wheel out vertically.

❸Check if there is any hair or debris stuck on it.
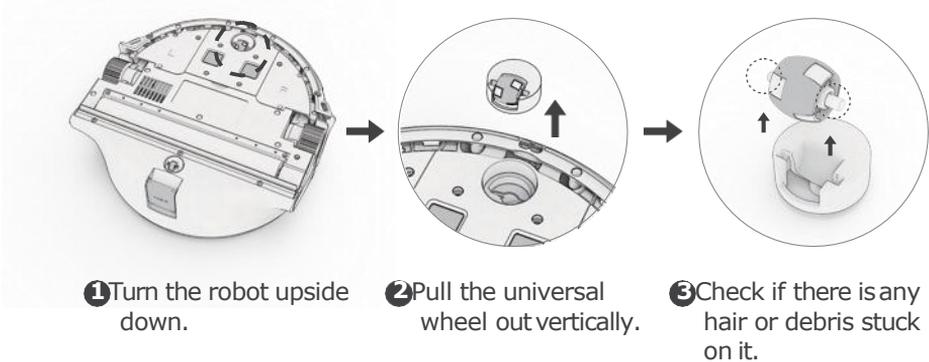
🔔 **Note:** After maintenance, reinstall all components and place the robot on the charging dock. Always store the robot in a safe environment.

Troubleshooting

Voice Alerts

Alert	Light signal	Possible cause	Solution
Please install water tank correctly	The green light goes on	Water tank isn't installed or properly installed.	Ensure the water tank is installed properly.
Please fill the clean water tank	The red light goes on	Clean water tank is empty or clogged.	• Fill with clean water • Check the clean water outlet.
Please empty the dirty water tank		Dirty water tank is full.	Empty the dirty water tank.
Please place the robot to an open area		Robot is stuck in a narrow space.	Put the robot in an open area and start cleaning again.
Please check the main brush		Main brush is jammed.	• Check if the main brush is jammed because of an object. • Clean both ends of the main brush.
Please check and clean the universal wheel	The red light goes on	Universal wheel is stuck.	Check if the wheel is jammed by debris or hair. Remove the wheel and clean it.
Please check and clean the cliff sensors		Cliff sensors are contaminated.	Check and clean the cliff sensors.
Please put robot back to ground		Robot isn't on a flat surface.	Put the robot on a flat floor.
Please check the front bumper		Front bumper is stuck.	Press front bumper several times to see if the bumper works properly.
Low battery, please charge	The orange light flashes	Battery is low.	Recharge the robot.

Troubleshooting

Others

Malfuntions	Solutions
Dirty water leak	Check the air inlet and outlet. Clean up the sealing rings.
Do not suck dirty water	Check if the roller brush is installed. (Refer to page 12 as how to install) Check if the filter is blocked. (Refer to page 19 as how to clean filter)
Cannot charge	Check if the metal pins of both charging dock and the robot. Clean up if they are covered by dust.

Product Specifications

Description	Specification
Battery	DC 14.8V 2900mAh Li-ion
Adaptor	Input: AC 100-240V~50/60HZ 0.5A max
	Output: DC 19V 0.6A
Clean water tank capacity	0.85L
Dirty water tank capacity	0.9L
Charging time	<380mins
Working time	>80mins
Main body size	282 x 292 x118mm
Charging dock size	289 x 315 x49mm
Main body +Charging dock size	289 x 315 x168mm

Warranty Card

Username	
Address	
Telephone number	
Postal code	
Product model	
Purchase date	
Invoice number	
Warranty date	

Date	Repairman	Repair records

Product Warranty Description:

1. There isn't man-made damage and the packaging, products and all accessories (including gifts) are complete, the user can apply for refund or replacement within 7 days from the date of purchase. We supply free maintenance within 1 year from purchase date without man-made damage.
2. Users can learn about technical solutions through the product instruction or after-sales service hotline: **+91-9953476189**
3. When the user has performance failure during normal use, our company provides free maintenance service. In addition, if the national applicable laws and regulations clearly stipulate, our company will comply with relevant laws and regulations.

*We provide filter element valve for free during the warranty period, and recommend to replace it once every 3 months.

4. Paid repair services will be implemented in the following cases:
1) Cannot provide valid warranty certificate, such as purchase certificate or product warranty card, the model in the certificate does not match the product, or maliciously damage the warranty card content and product information.
2) Damage caused by improper use, maintenance or storage by the user, or dismantle or repair by the person without authorization from our company.
3) Damage caused by natural disasters or irresistible factors.
4) Failure to use, maintain and adjust according to the requirements of the product manual; for example, faulty operation, entering liquid, improper insertion, scratching, transporting, bumping, use of non-standard adapters, etc.
5) Other product failures and damages caused by problems other than the design, manufacture and quality of the product itself.
5. The warranty card is an important certificate for the user to enjoy the warranty service. The user should keep it in a safe place. If it is lost, please call the company's after-sales service hotline to reapply.
6. After the user enjoys the warranty service, our company will record and update the warranty card held by the user. The original is kept by the user, and our company hold the copy which is consistent with the original.

Tips:
Should you have any functional or quality issues during your use of this product, or any comments or suggestions on this product, please contact customer service hotline: +91-9953476189. We are happy to service you at best.

For more details, please visit www.milagrowhumantech.com