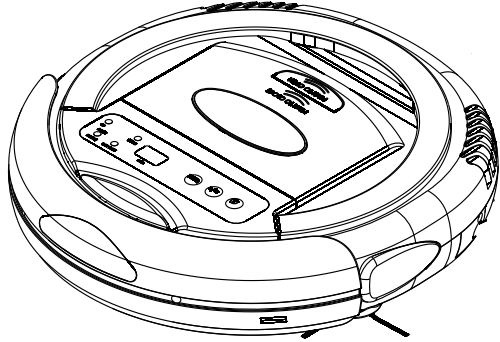


INFINUVO



QQ200 Series

Robotic Vacuum Cleaner



REV.A 042716I

INFINUVO

QQ200 Series

Robotic Vacuum Cleaner

USER MANUAL

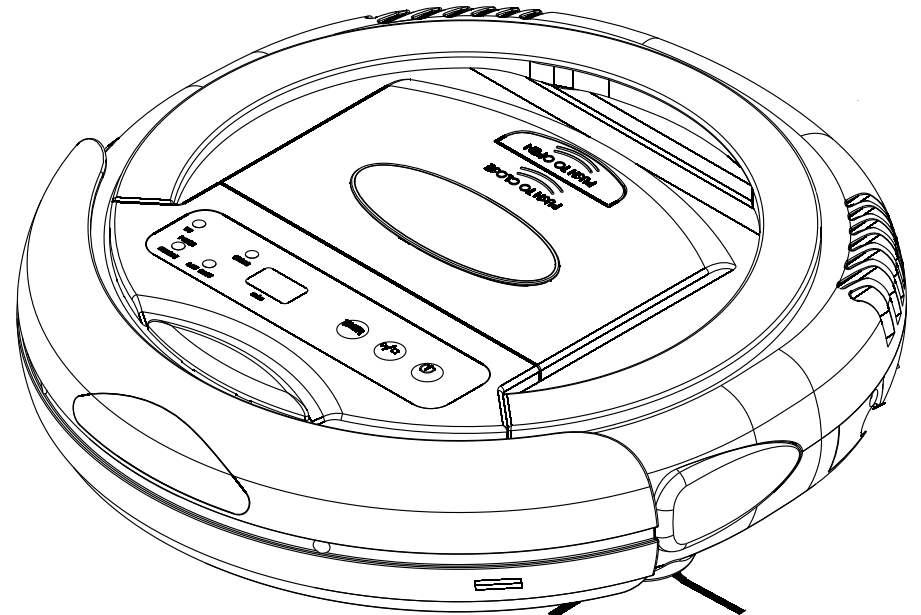


Table of Contents

Table of Contents	2
Welcome	3
Package Contents	6
Anatomy of Vacuum	7
Battery Installation and Charging	10
Vacuum Operation	12
Maintenance Tips	13
Trouble Shooting	23
Warranty	24

Thank you for purchasing Infinuvo robotic vacuum cleaner.

This is an automatic 3-in-1 automatic robotic vacuum that can help to sweep, vacuum and sanitize your floor all at the time. It works best on hard floors (hardwood, laminate, vinyl, linoleum, tile, marble and stone, etc.), but we do not recommend to use it on medium/long pile carpet or plush carpet.

To achieve best performance of your robot cleaner, please read user manual thoroughly and get familiar with the product before using it.

If you have any questions on the product or need assistance on warranty service, please feel free to email the product support team at support@metapo.com. We will be happy to help you to get the issue resolved.

You can also visit www.infinuvo.com for more information on the product.

Safety Instructions

Please read and follow all instructions before using your Infinuvo robot vacuum.

1. Save this user manual for future reference.
2. This product is intended for indoor residential use only.
3. This product is not intended to be used by persons (including children) with reduced physical or mental capabilities, or lack of lack experience knowledge.
4. Children should be supervised by adult when using this product.
5. Do not use the vacuum to pick up chemicals, water or other liquid on the floor.
6. Do not handle battery, charger, and power cord with wet hand.
7. Only use manufacturer approved AC adapter and rechargeable battery, otherwise, the warranty is void.
8. To keep the vacuum at top performance, empty dustbin and clean filter after each use.
9. If the vacuum is not used for extended period of time, please fully charge the battery first, then remove battery and store it in dry environment.
10. Turn the vacuum off before cleaning its body or doing other maintenance on it.
11. This product is equipped with germicidal UV-C lamp. Do not look directly at the UV light.
12. For best performance, please remove cloths, loose power cord, cable, wires or fragile objects from the floor before using the vacuum.
13. Do not throw old rechargeable battery in trash. Always recycle the used battery. Make sure to install the battery in correct orientation when you install the battery.
14. Clean the cliff sensors with soft cloth weekly.

Cautions



Do not look directly at the UV light.



Do not touch the UV light bulb with bare hands.

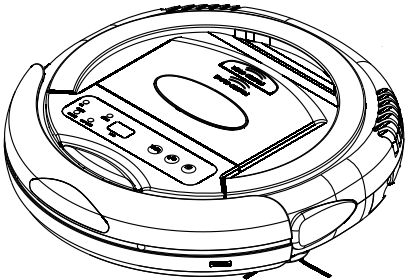


Do not attempt to remove or replace the UV light.
Make sure the battery is installed correctly.

Main Unit and Accessories

No.	Description	QTY
1	Main Unit	1
2	Remote Control	1
3	Filter	2
4	Rechargeable Battery	1
5	Charger	1
6	User Manual	1
7	Hand Brush	1
8	Spare Side Brush	1

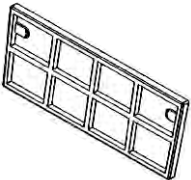
1



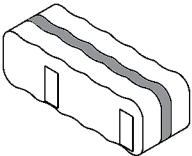
2



3



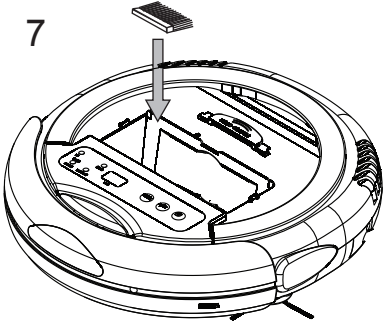
4



5



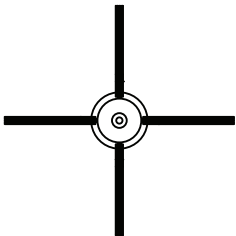
7



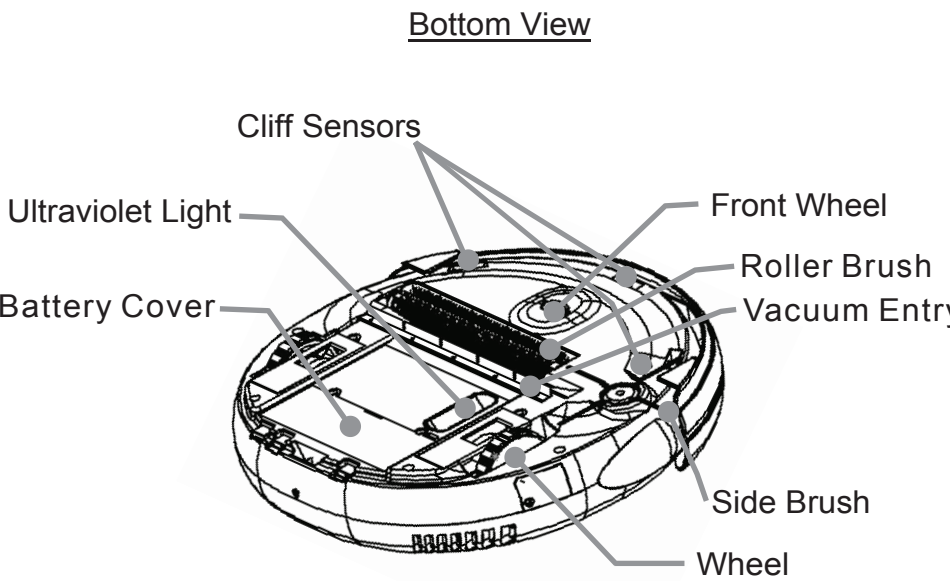
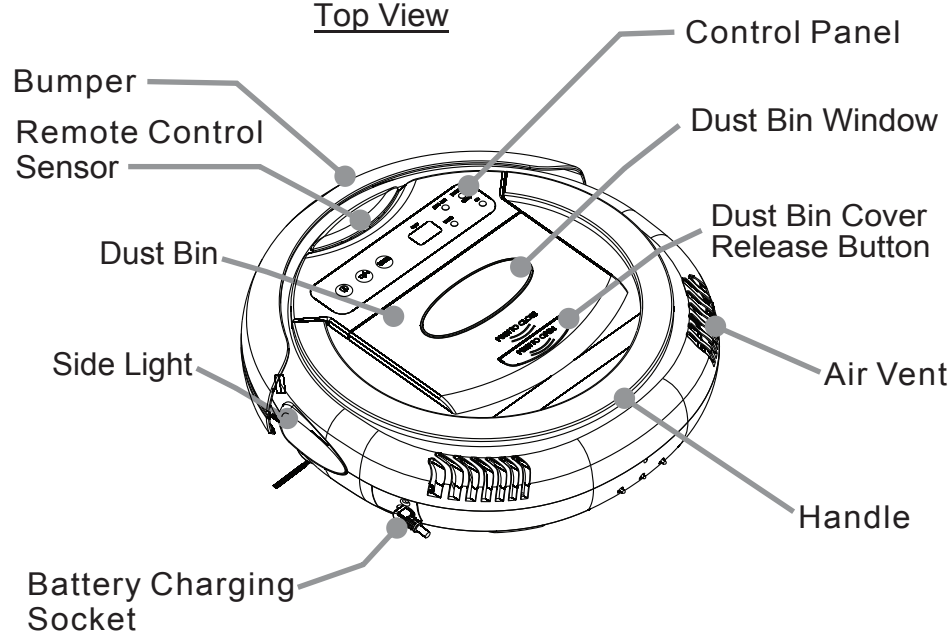
6



8



Main Unit Features



Control Panel

Please see below for the functions of 3 control buttons and 4 LED indicators on control and display panel.

Power button: Press this button to turn the vacuum power On or Off.

Start/Stop button: Press this button to start or stop vacuum operation.

Timer button: Press this button to change cleaning time in 10 minute increments from 10 minutes to 80 minutes. The default setting of cleaning time is 80 minutes. Cleaning time setting is displayed in the middle of control panel.

UV indicator (yellow): light on means UV lamp is on. UV lamp is turned on automatically once vacuum starts moving on the floor. UV light can be turned off with remote control.

ERROR indicator (red): light on means the vacuum has one of the following errors: battery is over-heating; vacuum motor is overloading; vacuum is lifted off ground for longer 3 seconds. For more details, refer to page 23.

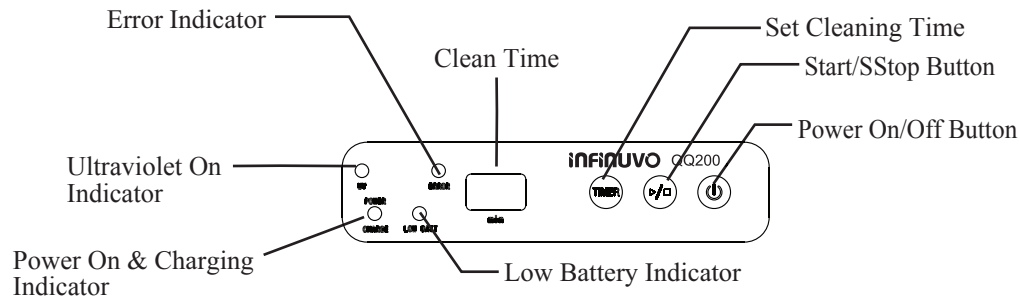
POWER/CHARGE indicator (blue): This is a dual function indicator.

After the vacuum is powered up, it shows a solid blue light.

When battery is being charged, it will be flashing until the battery is fully charged.

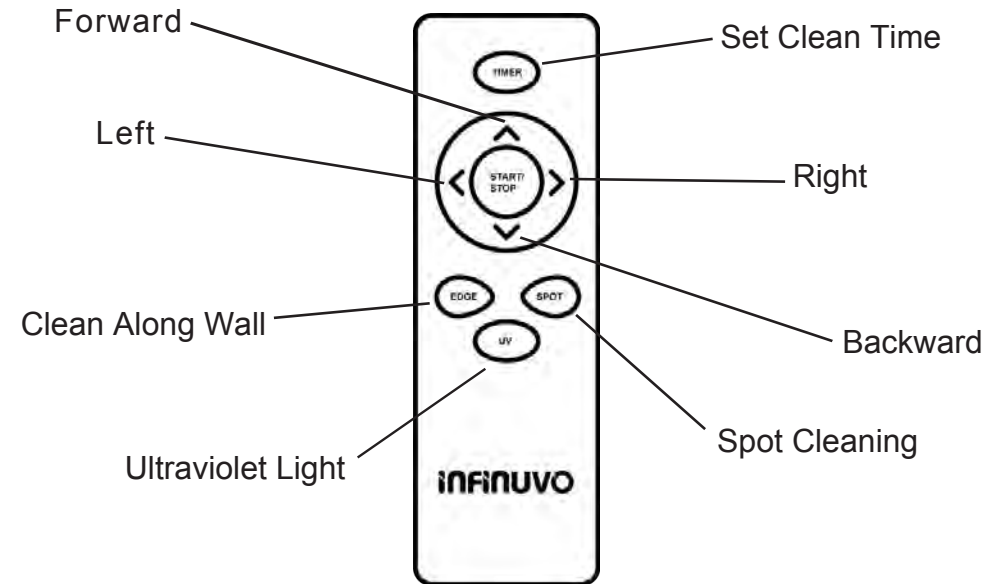
Normal charging time is about 3~3.5 hours.

LOW BATTERY indicator (red): light on means battery power is low.



Remote Control Functions

You can use remote control to control vacuum operations including start/stop the vacuum, direct its movements, change running time setting, turn UV lamp on/off, select SPOT cleaning mode, or let vacuum clean in wall/edge following pattern. The remote control is powered by 2 AAA batteries (included), and its working range is about 9 ~10 ft.



Function of each button:

Timer button: change cleaning time in 10 min. increment from 10 minutes to 80 minutes.

Start/Stop button: start or stop the vacuum operation.

Direction buttons: direct the vacuum to move in different directions (left, right, forward or backward).

EDGE button: let the vacuum start cleaning along the wall or around furniture.

SPOT button: let the vacuum perform SPOT cleaning.

UV button: turn the UV light on or off.

Battery Installation and Charging

To install the battery, press the 2 tabs of battery compartment cover and lift the battery cover upwards to open it. Make sure to insert new battery in correct orientation with lifting band on the top, and the battery terminals facing the rear end of the vacuum.

Illustration 1

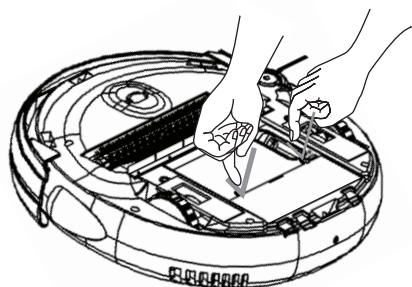


Illustration 2

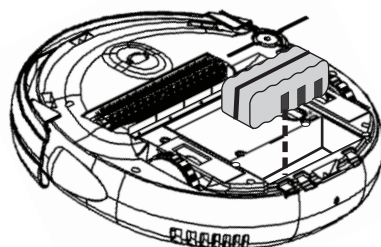
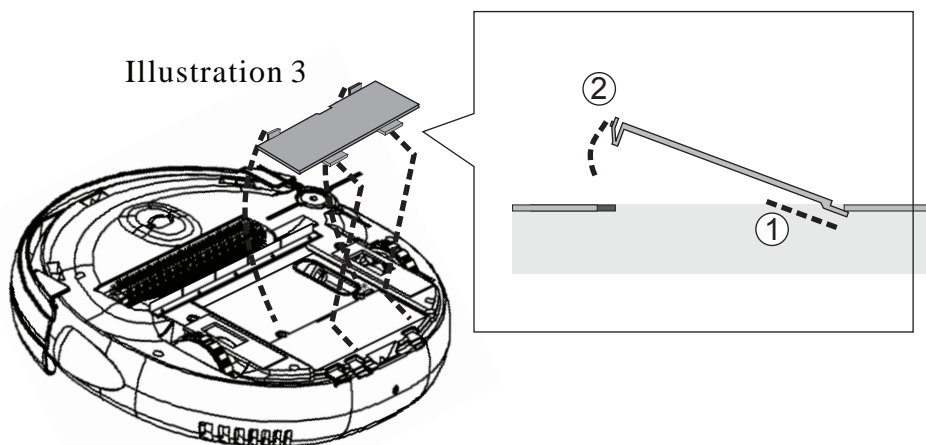


Illustration 3



Battery Installation and Charging

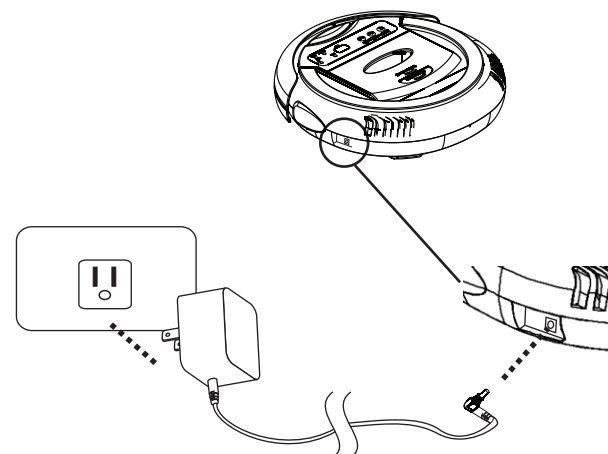
Charge the vacuum overnight before using it for the first time.

Always follow the charger connection sequence below when you charge the vacuum.

1. Plug one end of AC charger to the charging port on the vacuum.
2. Plug the other end of charger to the power outlet.

The blue POWER/CHARGE indicator on vacuum will keep flashing during charging process. Normal charging time is 3 to 3.5 hours.

Once battery is fully charged, you will hear two beeps from the vacuum, and POWER/CHARGE indicator will become solid blue.



NOTE:

Only use included battery charger to charge your vacuum. Using other chargers might not charge the battery in full, or even damage the vacuum and void the warranty.

Vacuum Operation

You can use this automatic robot vacuum in **AUTO** cleaning mode or **SPOT** cleaning mode.

AUTO cleaning mode:

AUTO cleaning is the most common way to clean your floor. In automatic cleaning mode, the vacuum will go through five pre-programmed moving patterns to provide thorough coverage of the cleaning area. UV light is automatically turned on once vacuum starts cleaning.

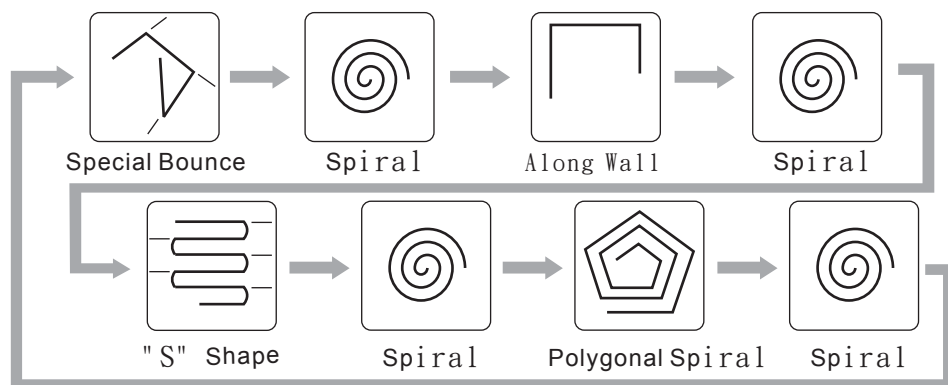
To perform **AUTO** cleaning, just press Power button on control panel to turn the vacuum on, then press Start button to let it run.

The default cleaning time is 80 minutes. You can use remote control to customize running time in 10 min. increment from 10 minutes to 80 minutes.

At the end of cleaning cycle, the vacuum will beep and stop running. If the **POWER/CHARGE** indicator is solid blue at this time, the vacuum still has power left. You can let it run again until the **LOW BATTERY** red light is shown on control panel.

SPOT cleaning mode:

To perform **SPOT** cleaning, put the vacuum in the place you want to clean and press **SPOT** cleaning button on remote control. The vacuum will start running in spiral pattern for intense cleaning around the area.



Maintenance Tips

To keep your vacuum at top performance, please follow the maintenance steps below after each use.

Make sure to turn off the vacuum power before doing maintenance.

- Remove any debris or hairs that might be tangled on the roller brush and side brush
- Take out the dustbin and empty the trash inside.
- Clean the filter with included small cleaning brush. You can also wash the filter with tap water and let it air dry before next use
- Replace worn out brushes and filter regularly.

Main Wheels

Check the wheels regularly and remove any hairs or debris that might be wrapped around the wheels.

Occasionally, one of the driving wheels might wear out first after an extended period of use. In case this happened, the vacuum will always be turning in circles in one direction and you need to get a replacement wheel.

If your vacuum is always turning circles in counter-clockwise direction, there is a problem with the left wheel. Otherwise, the right wheel is not working properly. To replace a defective wheel, turn the vacuum upside down and remove a small screw to open wheel cover. Then, unplug a power connector and you can take out the wheel assembly.

Double check the marking on wheel assembly case (L/L2 or R/R2), so you can get the correct replacement part.

Cleaning Dust Bin and Air Filter

When dustbin is full or the filter is clogged, it is going to cut down the air flow and reduce vacuuming power. Please empty the dustbin and clean the filter after each use for best cleaning performance.

To access the dustbin, press the dustbin cover release button on top of vacuum to open the dustbin cover to take out the dustbin. Then, remove the filter and empty the dustbin. Finally, clean both the dustbin and filter. You can wash the clean dustbin and filter with water. Make sure to let the filter air dry completely before next use.

Illustration 1

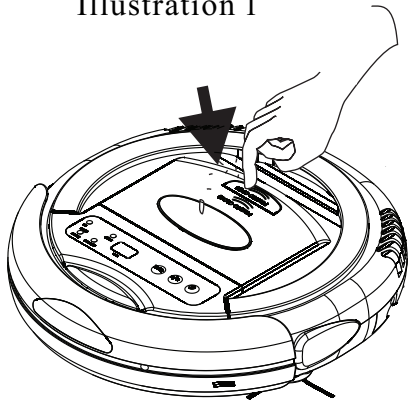


Illustration 2

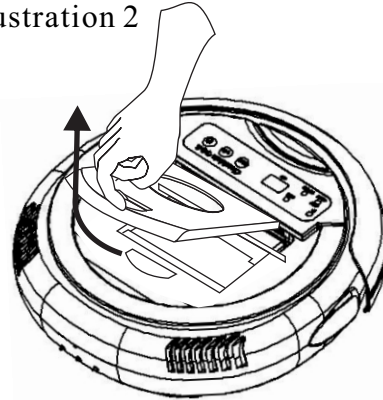


Illustration 3

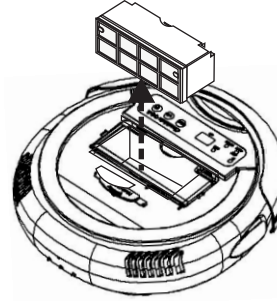


Illustration 4

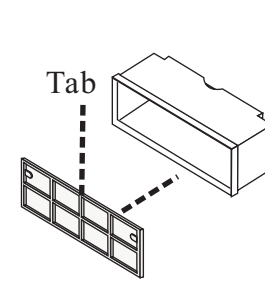


Illustration 5

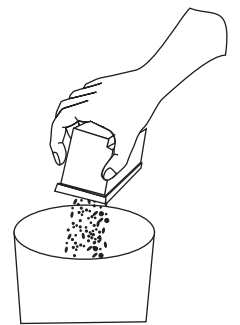


Illustration 6

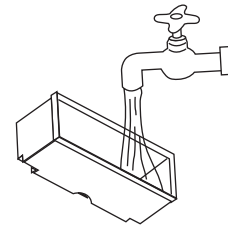


Illustration 7



Illustration 8

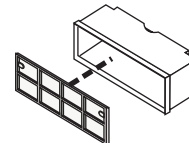


Illustration 9

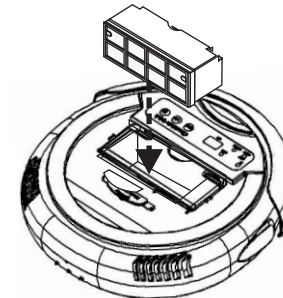
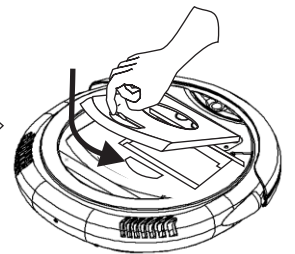


Illustration 10

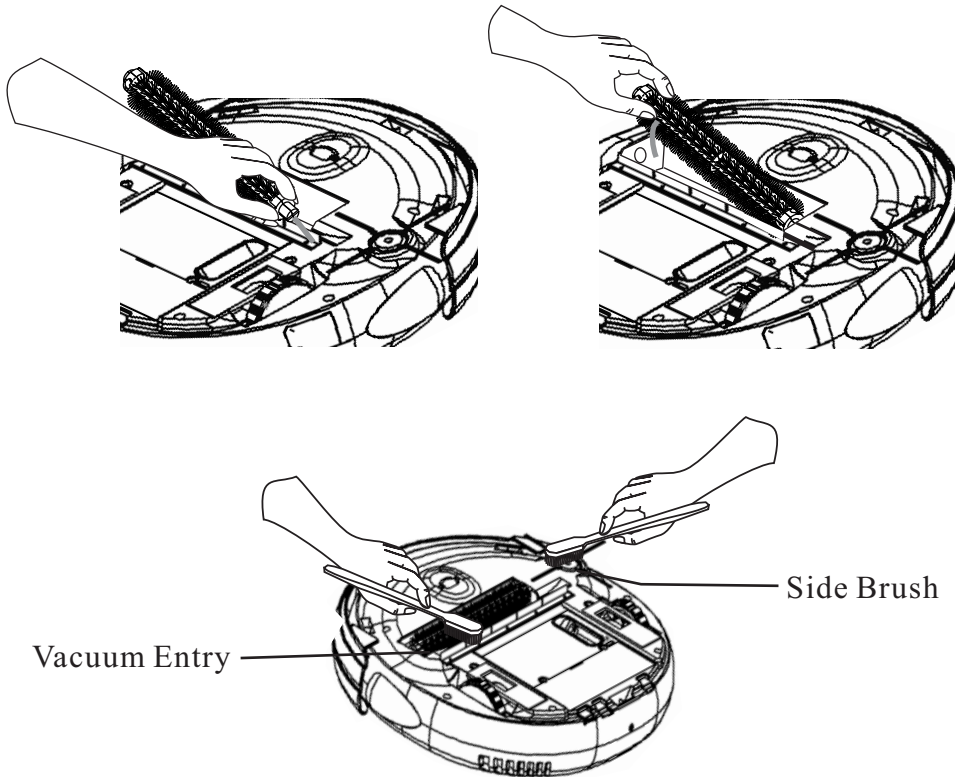


Cleaning the Roller Brush

Roller brush sweep the debris and dirt to the dustbin. It also helps to loosen up the dust, hairs and small dirt, so the vacuum can suck them up into the dustbin easily.

If roller brush is worn out or wrapped up with hairs and debris, it will reduce cleaning efficiency and cleaning result will be less satisfactory. Use scissors to cut off tangled hairs or debris if necessary.

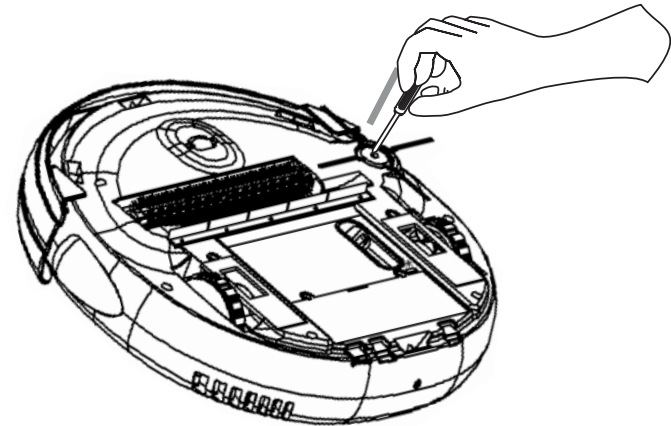
To remove the roller brush for cleaning or replacement, turn the vacuum upside down and push roller brush towards the spring loaded mounting end (near the side brush). Then, lift the roller brush up from the other end and take it out.



Cleaning the Side Brush

Side brush provides better cleaning coverage at corners, along the wall or around the furniture. If side brush is tangled with hairs or damaged, the vacuum will work less effectively or might even cause extra drags on brush motor.

To take the side brush out for cleaning or replacement, remove its mounting screw and take off the side brush. If necessary, use scissors to cut off the hairs or debris that might wrapped around the brush.



Sensors and Bumper

This robot vacuum is equipped with 3 pairs of stair detection sensors (cliff sensors) near the front edge under the vacuum, so it will not fall down stairs. These sensors need to be cleaned regularly with dry cloths to remove any buildup of dust and dirt on their surface.

The front bumper needs to move freely without much resistance when you press and release it. Check the bumper regularly and remove anything that might caught in between the bumper and vacuum body.

If stair sensor or front bumper is not working properly, the vacuum will keep going backwards.

NOTE:

Black color floor (or floor with dark checker patterns, etc) and bright sun light could cause confusion to stair sensors, and the vacuum will keep moving backwards under these circumstances.

Hard Floor and Carpets

This robot vacuum cleaner works best on hard floors (hardwood, laminate, vinyl, linoleum, tile, marble and stone, etc.)

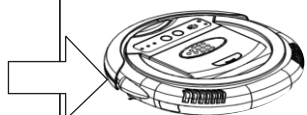
It is not suitable for use on medium/long pile carpet or plush carpet.

Useful Tips

Tip#1: Clear the area and remove any items that can be easily knocked over or caught in the Roller Brush or Side Brush.

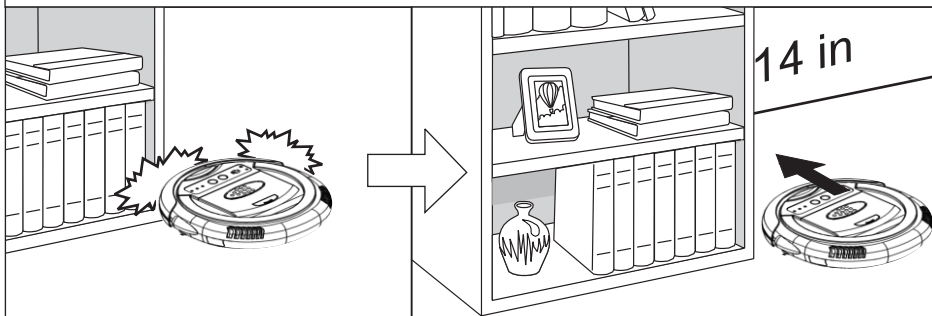


In the area where the CleanMate operates, it might knock over items such as vases, glasses, or lamps.

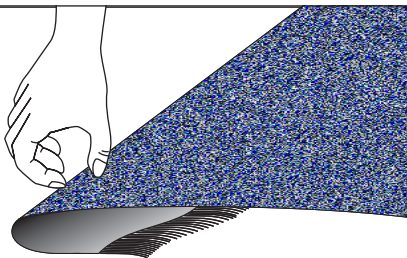


In order to provide the CleanMate a space for fast and safe cleaning, please remove small items from the area before operating.

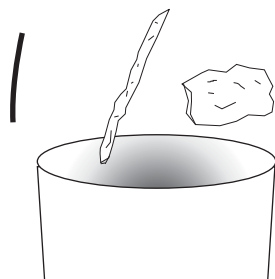
Tip#2 Adjust the distance between furniture, walls and other objects to be at least 36 cm (14 in).



Tip#3 Do not let the loose edges of rugs, drapes, table cloths, etc. to get caught in the CleanMate. Roll under the loose edges of rugs and make sure that any table cloths, drapes, bedding etc do not hang down to the floor.



Remove plastic bags and leftover long-shaped garbage

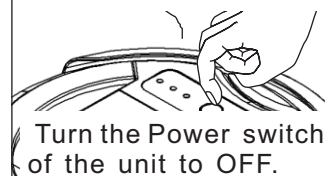


When the CleanMate is cleaning rugs, fold under the edges of the rug.

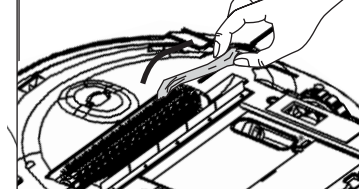
Useful Tips

Tip#4 Fixing jams: Objects can get caught in the Roller Brush and prevent it from working properly. Immediately turn the unit off, clear the object causing the jam, and resume normal use.

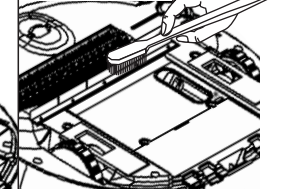
When something is jammed inside the CleanMate, it will emit a beeping sound.



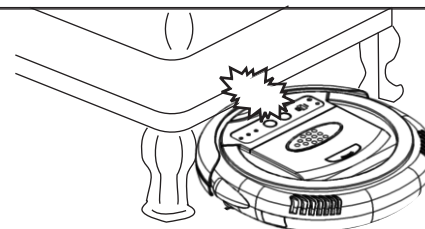
Turn the CleanMate upside-down, and remove the objects.



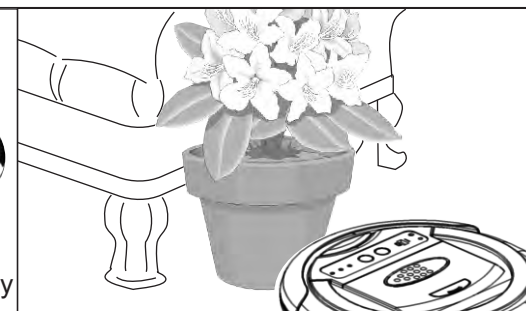
Clean the vacuum entry.



Tip#5 Block areas where the CleanMate could get stuck by placing objects in the way so that the CleanMate does not go into these areas.

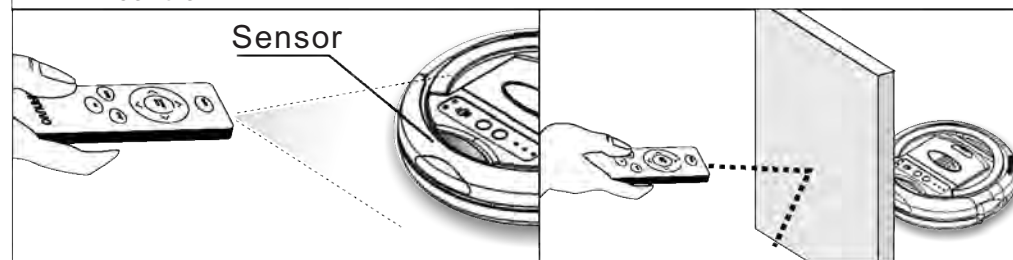


The space under some furniture may not be high enough for the CleanMate to get underneath.



Use a potted plant to block the CleanMate and prevent it from going these places.

Tip#6 Aim the remote control at the sensor on the front of the CleanMate. Anything blocking the signal will affect the performance of the remote control.



Specification

Item	Description
Suction Power	9000 rpm vacuum motor
AC adapter/charger	Output: 20Vdc 1000mA Input: 100 - 240V 50 - 60 Hz
Battery	Ni-MH 14.4V, Rechargeable, 3.5 hours of charging time 2.5 Ah battery
Noise	80dB at distance of 20 cm
Life time of UV lamp	6000 hours
Capacity of dust bin	0.3 liter
Remote control	Infrared light with 9 ft control range, 2x AAA included
Pattern of movement	5 types: Spiral, Special Bounce, Along Wall, S shape, Polygonal Spiral
Dimension	14inch (diameter) x 3.5 inch (H)
Weight	6 lbs

Troubleshooting

Please see below for problems you might see on the vacuum and suggestion on how to solve them.
If problem persists, please contact the product support team at support@metapo.com for further assistance.
Repairs that marked * needs to be done by qualified service personnel.

Problem Symptoms	Possible Cause	Suggested Solutions
Both ERROR and LOW BATTERY indicators are on	Battery installation problem	Make sure battery has good contact with charging terminals inside the battery compartment
	Battery defective	Replace the battery
ERROR indicators in on	Vacuum is lifted off ground long than 3 seconds.	Put the vacuum back onto the ground
	Vacuum got stuck	Remove hairs and debris from brushes and wheels
Low Battery indicator is on	Battery power is low	Recharge the battery
Vacuum fall down stairs	Cliff sensors are dirty	Clean cliff sensor pairs with dry cloth
Brush is not rotating	Brush got stuck	Remove hairs and debris tangled on the brush
	Brush motor defective	Replace brush motor *
Always turning in circles to the left	Left wheel malfunction	Replace left wheel
Always turning in circles to the right	Right wheel malfunction	Replace right wheel
Always going backwards	Bumper protection pads are not removed	Remove bumper protection pads
	Bumper malfunction	Make sure bumper can move freely. Replace bumper sensor if needed.*
	Black floor or floor with black patterns.	Don't use on black floor or floor with very dark patterns
	Direct sunlight	Don't use under direct sunlight.
Remote control not working	Battery weak	Change remote battery first. Replace the remote control if needed.

Warranty Policy

This product is covered with 1 year limited manufacturer warranty (6 month warranty for battery) for U.S. customers when it is purchased from authorized retailers.

Consumables such as filter and brush are not covered under warranty. Warranty does not cover improper use or commercial use. Warranty is void if product is shipped to or used in other countries.

To contact product support team or receive warranty service, please send email to support@metapo.com with following information.

- Copy of your order receipt
- Serial number of your vacuum
- Description of the problem

You will receive an email reply with return authorization number (RMA #) and instructions on how to ship the product back for service if it is still under warranty. Product returned without a valid RMA# will not be accepted. Before returning the product, please empty the dustbin, and clean the filters and brushes. For hygiene reason, vacuums returned in very dirty condition will not be repaired.

If you have a question on the product and want to speak with the tech support team, please call 1-408-943-9308 Monday – Friday between 10AM and 6PM (PST).

One Year Product Warranty:

Infinuvo warrants to the original purchaser of this Infinuvo product that the product is free from defects in original materials and workmanship for a period of up to one year from the date of initial purchase. This warranty is only valid if the product has been properly installed and is used in the way for which it is intended, and has received only factory-authorized repairs, servicing or alterations.

Under-warranty products that meet these conditions and that function improperly will be repaired or replaced, at the discretion of Infinuvo.

Warranty Policy

Six Month Battery Warranty:

Infinuvo warrants to the original purchaser of this Infinuvo product that the original batteries contained within this product will function for a period of six months. This warranty is only valid if the product has been properly installed and is used in the way of which it is intended, and has received only factory-authorized repairs, servicing, or alterations. Under-warranty batteries that meet these conditions and that function improperly will be repaired or replaced, at the discretion of Infinuvo. These warranties contain the sole express warranty of Infinuvo, which makes no other warranties, expressed or implied. These warranties are made in lieu of any implied warranties of merchantability or fitness for a particular purpose. These warranties give you specific legal rights. You may also have other rights, which vary from state to state.

WHEN YOU RETURN A CLEANMATE PRODUCT OR BATTERY UNDER THIS WARRANTY, you must first obtain an RMA number by calling your local customer service center or www.infinuvo.com Infinuvo reserves the right to request that you submit a letter describing the circumstances under which the problem occurred and that you submit invoice and any other supporting evidence and documentation.