

User Manual



World's Leading Home Cleaning Robots



1 Year Warranty



Annual Maintenance



Home Demo



Unmatched Range



RoboCop
(MGRV03)



SuperBot
(MGRV04)



Milagrow Business and Knowledge Solutions (P) Limited
796, Phase V, Udyog Vihar, Gurgaon - 122 016, Phone : +91-124-4309570-79
Fax : +91-124-4309580, e-mail : customercare@milagrow.in

Specifications are subject to change without prior notice with the purpose of product enhancement and quality improvement. Brand Names and Brand Logos are trademarks or registered trademarks of those companies. Milagrow Business & Knowledge Solutions has rights only on the Milagrow brand name mentioned in the catalogue.

Vacuum cleaners and 'homes with germs'
are now history!

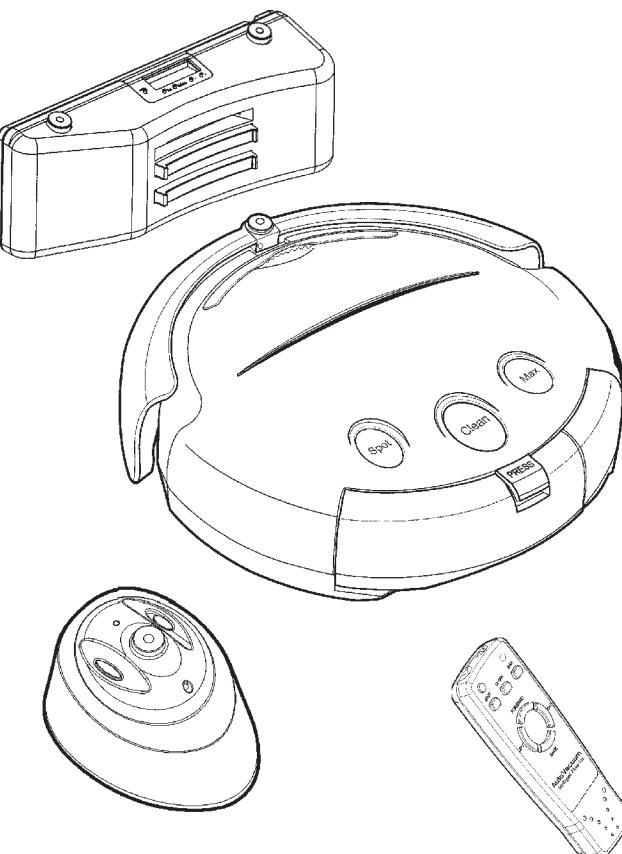




ROBOCOP/SUPERBOT MULTIFUNCTION ROBOTIC AUTO VACUUM CLEANERS

MODEL NOS. : MGRV03/MGRV04
Auto Charging With Remote Controller

OPERATING MANUAL



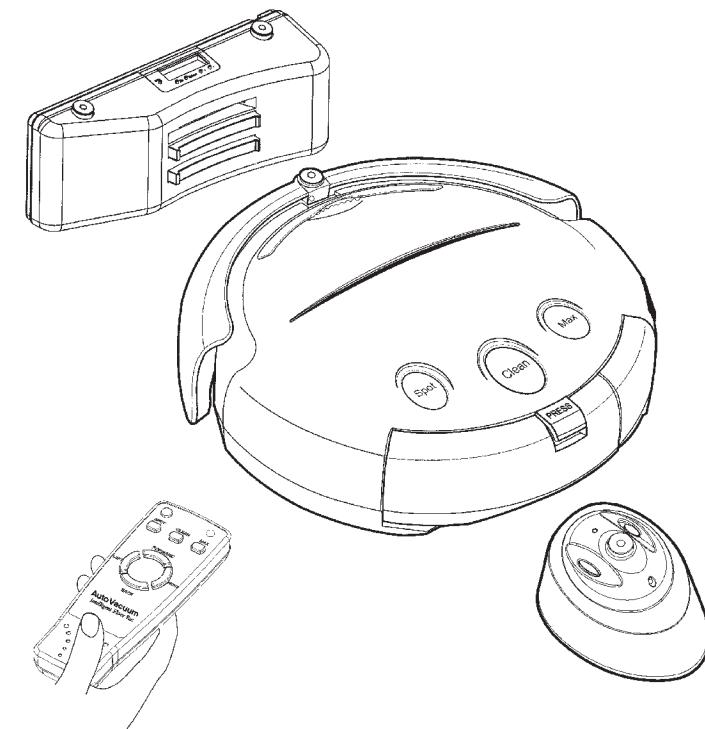


Dear customer,

Thank you for using our RoboCop/SuperBot Vacuum Cleaner!

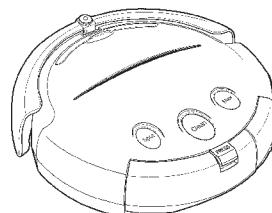
The RoboCop/SuperBot Cleaner is our creation and manufactured by using our own mechanical electronic technology. It can be used widely in your family, office and entertainment places. Also, it can go to work in places where workers are not easily accessible. With the help of this RoboCop/SuperBot Cleaner, the quality of your life is enriched.

The Cleaner is only recommended for indoor use. It can be used to clean floor surfaces including hardwood, linoleum, tile and low-to-medium pile carpets. If you want your hardwood or tile floor brighter, you should clean the brush after it cleans the floor, and then scoop up some liquid wax using the spoon, and start the Cleaner again. The fashionable flat design facilitates its cleaning under sofa, tea table and bed, etc. Its convenient remote control function enables a free operation. Its special hi-tech intelligent design enables the Cleaner to automatically seek the charger for charging.

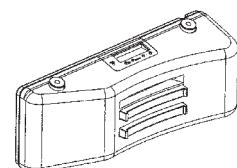


When you unpack the box, you will get your RoboCop/SuperBot Cleaner together with the following attachments:

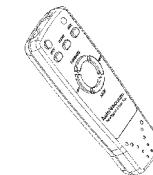
1. Virtual Wall Unit x 1
2. Battery Charger x 1
3. Rechargeable Battery Pack (Installed) x 1
4. Spoon x 1
5. Charging Base Plate x 1
6. Filter Mesh x 1
7. Remote Controller x 1
8. Side Brush x 1
9. Dust Brush x 1
10. Operating Manual x 1



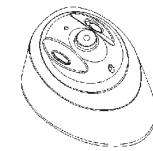
RoboCop Cleaner



Charging Base Plate



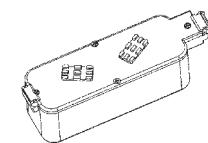
Remote Controller



Virtual Wall Unit



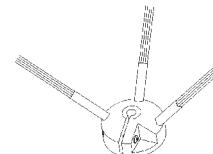
Dust Brush



Rechargeable Battery Pack



Spoon



Side Brush

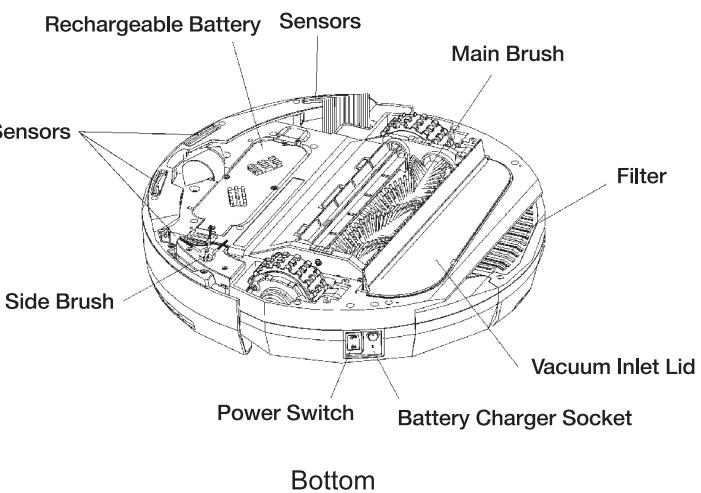
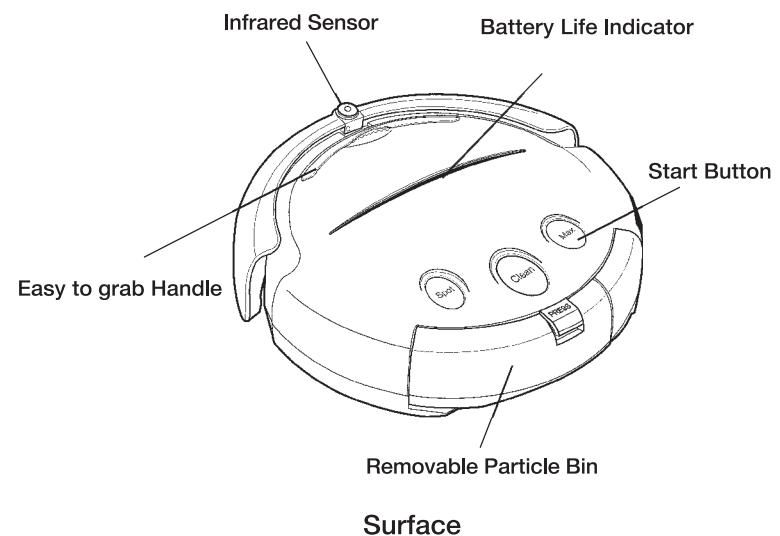


Filter Mesh



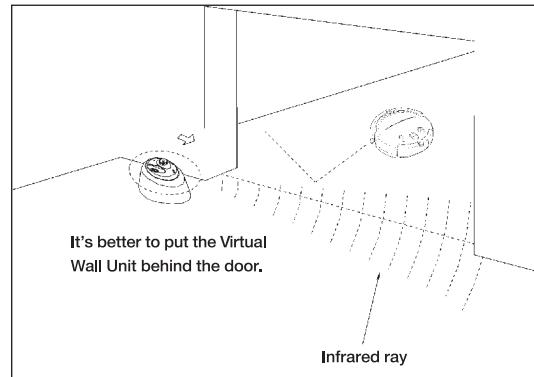
Charger

RoboCop/SuperBot Cleaner is installed with:



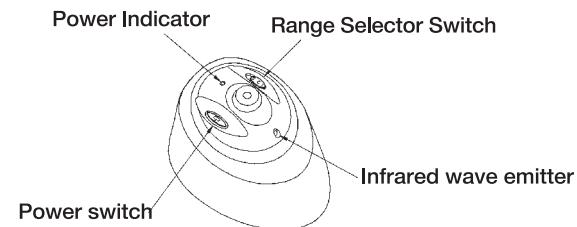
After the introduction of the RoboCop/SuperBot Cleaner, please note the following operating procedures:

1. Please ensure the battery is fully charged before starting the Cleaner.
2. Please tidy unfixed articles on the floor before using the Cleaner, and keep it from spikes at the edge of carpet and power lines, etc. on the floor as possible.
3. Turn on its main power start button, there are three start buttons: Spot, Clean and Max, representing three different cleaning modes. In addition, there is a timing work mode:
 - A. Spot Mode (S):** The Cleaner can make repeated screw type cleaning within the scope of 3 feet of diameter, focusing to clean a spot for 4 minutes. It's applicable for cleaning the room where its dirty at partial places.
 - B. Clean Mode (M):** The Cleaner will automatically clean the room for 30 minutes. The mode is applicable for cleaning small room.
 - C. Max Mode (L):** The Cleaner won't stop running until complete consumption of its power. The working time is in excess of 60 minutes. If the auto charging base plate is used, the Cleaner will automatically return to it for charging.
 - D. Timing Mode:** The cleaning time can be set by the time setting key on the charging base plate. The Cleaner will leave the auto charging base plate to work as per the pre-set time and the cleaning time is 60 minutes, and then it will automatically return to the socket for charging (refer to the Article of Charging for the detailed method).
4. If you don't want your Cleaner to clean those areas beyond your desired cleaning area, please place the Virtual Wall Unit at the proper place such as the following illustration:

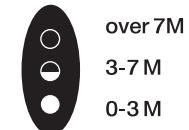


5. When wrong start button is pressed, the other start switch needs to be pressed twice before cleaning.
6. The maximum working time for the Cleaner is about 60 minutes, which can meet the requirements for cleaning a normal room. If the battery power is about to run out, the battery life indicator will become red, and it will stop working. Charging of battery is needed.

Please see the following drawing for operating the Virtual Wall Unit:



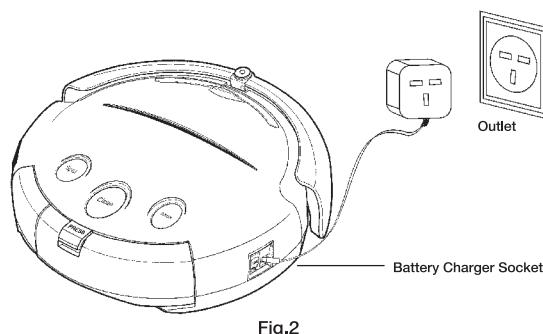
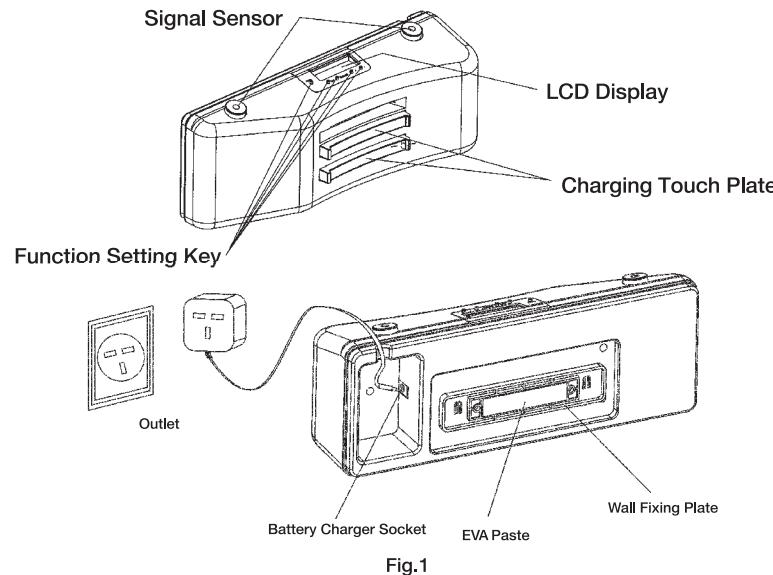
Virtual Wall Unit uses two (1# Dry Battery) to divide the infrared emission distance into three gears as the following drawing demonstrates:



Caution

Do not use the infrared wave emitter to point at the eyes!

Refer to the following drawing for charging method and use of Auto Charging Socket:

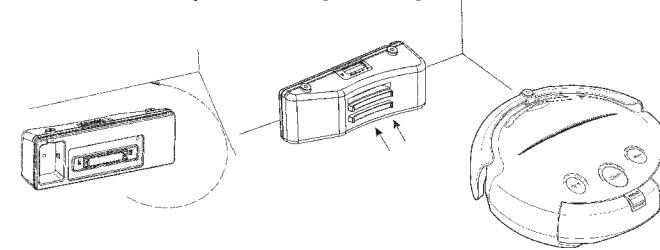


1. Installation and use method for Auto Charging Base Plate:

- The Cleaner may be charged directly by the charger (as the Fig.2 shows) as well as by Auto Charging Base Plate (as Fig.1 shows). If the battery is about to run out, the indicator will turn red and the Cleaner will automatically stop cleaning and seek the charging base plate for charging.
- For charging with Auto Charging Base Plate, the plug of charger should be inserted into the DC socket at the back of the Base Plate (as the Fig.1). Meanwhile, the screen on the Base Plate will display the time, etc.

c. The charging base plate must be installed reliably and be placed on the floor with the back on the wall as the following figure and no object is padded under it. The base plate may be fixed on the wall by the soft glue on the wall fixing plate. (Remove the paper on the soft glue with hand and fix the charging base plate on the wall with it).

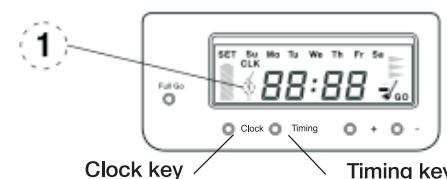
d. If the room is too large and the Cleaner can not find the charging base plate immediately and stop seeking, you may manually return it to the base plate. The method is: place the Cleaner 1.5m before the base plate, and then press the power switch and MAX key. Or the Cleaner return near to the base plate and it will automatically find it and begin to charge. :



2. Instructions on the function of keys on the auto charging base plate:

A. Clock function

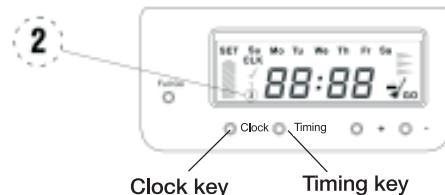
- Press the Clock key to adjust the time of clock as per the Fig.1.
- Press the Clock key for three times and respectively adjust hour, minute and week. Press +/-key to adjust the specific parameters. After setting the time, press the Clock key and the clock setting is ok. At this time, there is "1" before the time displayed in the screen.



B. Timing cleaning function

Press the Timing key to set the alarm time, and the Cleaner will automatically work as per the set specified time with the specific operating methods as the follow:

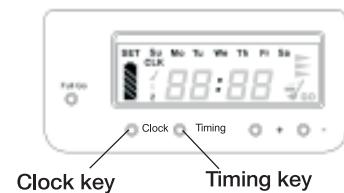
- Press Timing key to set the hour. It can be adjusted by the key +/-.
- Press again Timing key to set the minute. It can be adjusted by the key +/-.
- Press Timing key for three times and the screen will display OFF. At such time, the alarm function is off. If you want to turn on alarm, you may press + key, the screen will display ON and then press again Timing key.
- After it displays on for alarm setting, there will be "2" displayed before the time in the screen.



The time intervals between the pre-set time set by the Timing key and the standard time set by the Clock key is above 4.5 hours. The Timing Cleaning function will be able to be effected merely when the battery is fully charged for 4.5 hours.

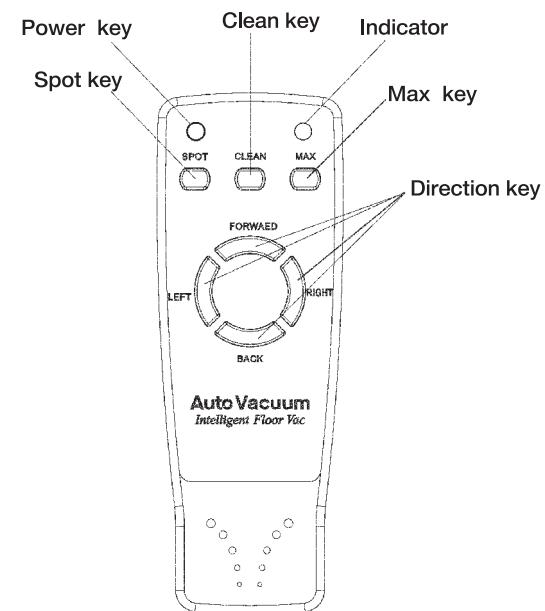
C. Auto Cleaning Function

- The Cleaner will automatically work after being fully charged.
- Press Full Go key, there will be a broom marking displayed at lower right corner of the screen, which means the function is On. Press the key again, the broom marking will disappear, which means the function is Off.
- There is a charging dynamic marking flashing on the screen when the Cleaner is charging on the Auto Charging Base Plate. Meanwhile, the battery indicator will flash. If it turns green, it means it has been fully charged and is able to work. Generally, the charging time is 4-6 hours.



- For the purpose of ensuring the Cleaner is automatically charged, regularly wipe the charging contact at Front Plate of the unit and the dome on the Base Plate with a dry cloth, so as to keep it free of dust, otherwise it may result in poor contact.
- The charging Base Plate should be kept at open place as possible, and do not place any obstacle within the range of 1.5 m semi-diameter, in case of affecting its Auto Charging.
- The Cleaner should be matched with the attached charger and the used power should conform to it. Do not use any other charger and battery, otherwise it will lead to damage of the unit.
- In order to prolong the service life of the battery, it should be charged for 8-9 hours for the first use or when being used again after a long time. It can only reach its best performance after 2-3 circles for charging and discharging.

Use the infrared Remote Controller by referring to the following Drawing:



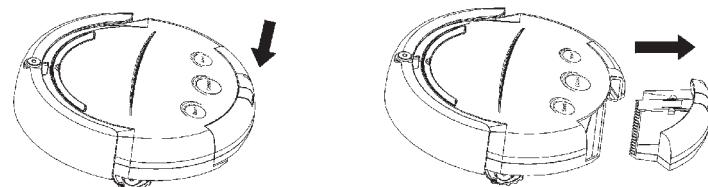
The Cleaner can be controlled for cleaning by the infrared Remote Controller. As the above drawing, three keys: Spot, Clean and Max are respectively for three work modes. By Direction key, it can operate the Cleaner to work in different directions. The P key is for powering On/Off. Press the P key, the indicator on the panel will be off and the Cleaner will enter the Sleep mode, which will enable you to save maximum energy in the non-operating state. Press the P key on the panel again, the indicator will be On, and the unit will enter the Standby stage, waiting for the next command.

When the Virtual Wall and Remote Controller are used in the same area, as they all use the infrared signal, which may lead to temporary failure of the Remote Controller, you may operate the Remote Controller after turning off the Virtual Wall or the unit being far from the Virtual Wall.

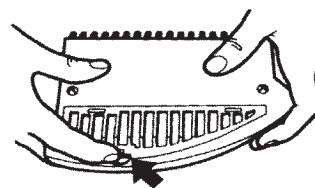
RoboCop/SuperBot Cleaner is user-friendly and requires very little maintenance after use. To ensure optimal performance please observe the following procedures:

Empty the Removable Particle Bin in following two procedures:
1. Empty the Bin

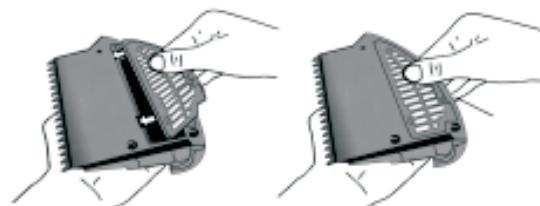
- Turn off the power switch.
- Press down the Bin clip and pull out the Bin as per the following illustrations.
- Clear the Bin.
- In inserting the Bin, press the clip on the Bin for facilitating inserting.


2. Clean the Filter Mesh

- Turn the Bin upside down.
- Press the bottom slightly, take out the Filter Mesh as per the drawing below.



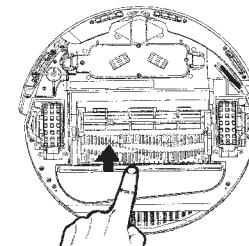
- Clear the dirt on the Filter Mesh.
- Fit the Filter Mesh back to the Bin.



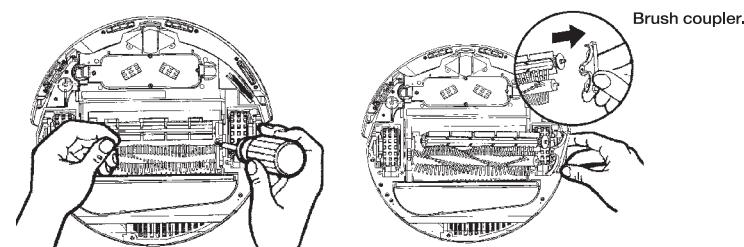
Press the clip slightly and put the Bin back to the Cleaner.

Clean the Main Brushes of the Cleaner

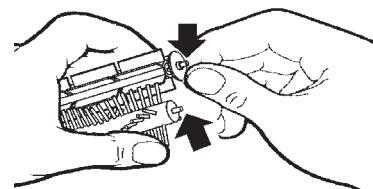
- Turn off the power switch and put the Cleaner on flat surface with its bottom up.



- Use cross head screwdriver to remove the fixing screw on the right, and then take out the main brush, rubber brush and brush coupler together as shown in the following drawing.



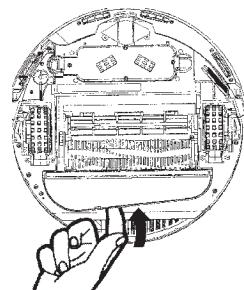
- Clean the chamber where the brush is located and the contaminants on brush and rubber brush.
- Wipe out dirt on the metal shaft and bearing of the brush coupler and the brushes (this may not be necessary to do after every cleaning) as per following drawing. If necessary, you may add a little lubricant to it.



- Put the brush coupler and brushes back and tighten the screw.

Clean the Vacuum Inlet Lid

1. Turn off the power switch; turn the Cleaner upside down on a flat surface.
2. Take the Vacuum Inlet Lid out as per drawing below.
3. Clean the Vacuum Inlet Lid and the fan-shaped mechanism to ensure good ventilation.
4. Guide the hinge tabs on the Vacuum Inlet Lid back into their holes carefully.



Method for Replacement of Side Brush

The side brush is consumable. See the following picture for the replacement method.

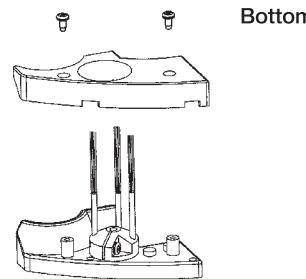


Fig. 1

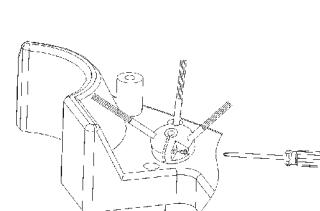
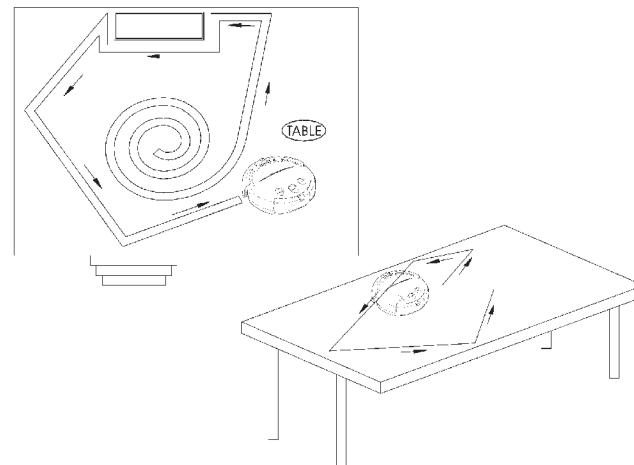


Fig. 2

1. Screw out two screws as per Fig.1.
2. Turn the side brush to the extent that the screwdriver can be inserted as per Fig.2, loosen the screen, take off the old brush and replace with new one.
3. Install the side brush and bottom housing in adverse order.

Intelligent Path Judgment

RoboCop/SuperBot Cleaner is intelligently controlled so it operates powerfully and can avoid any obstruction or avoid falling down from a table, staircase or pathway.



Caution

Please remove small objects such as vase, small paper box etc. which can be subject to knock down by cleaning, so it must clear these things first before the Cleaner to carry out its work.

The RoboCop/SuperBot Cleaner is a vacuum cleaning device which can control dust, so it has wonderful cleaning function. Attention should be paid to the following points:

1. It is switched on but stops after short music, this may mean the battery is low or off and charging is needed.
2. Please do not use the Cleaner on high-pile carpets.
3. Avoid using the Cleaner where there are objects such as clothing, power cords, towels, etc. As these things may get entangled in the brushes of the Cleaner.
4. It is good to turn off the power switch after using the Cleaner and must be fully charged if it's not used for a long time. Take battery out of the unit and store the battery and unit at a cooler place when it's not being used. Keep the bottom of the Cleaner dry and clean.



Troubleshooting:

1. What should we do if the Cleaner drops from the edge of the stairs?

Wipe away the dust for the probe at the bottom of the front plate with dry cloth.

- ## 2 How to deal with it if the Cleaner stops running and all indicators are on during cleaning?

Check whether there are large or bar-shaped junks blocked in the main brush or left and right wheel, and clean the Bin if it's full.

- ### 3. How to deal with it if the Cleaner fixes at one place and rotates?

Check whether there are junks blocked at the left and right wheel and clean away the dust on the probe at the bottom.

- #### 4. What should we do if the Virtual Wall doesn't work?

Place the Virtual Wall unit at the right place. Please replace the battery for the Virtual Wall if the green indicator keeps flashing.

5. What should we do if the battery can't be recharged?

Firstly, check whether the battery is correctly installed and you should hear two sounds when installing the battery. Then check whether the contact on the Front Plate and dome on the Base Plate are dirty. If it can't be charged on the Base Plate, please directly use the charger for the unit to charge.

- ## 6. What should we do if the Cleaner can not find the charging Base Plate?

The Base Plate will produce infrared signal and it can only return to the Base Plate after finding the signal. You should confirm the power is on at the Base Plate and do not use the Virtual Wall near the Base Plate as its signal may affect to find the position of the Base Plate. If your room is large, it is possible that the Cleaner can not find the Base Plate after cleaning. In such circumstances, you should replace the Base Plate and do not put any obstacles 3-4 m before it.

7. What should we do if the Cleaner does not perform Timing Cleaning function?

Please check whether there is power failure of the charging Base Plate. If the displayed parameters change, you should reset them.

Notes