

Grand-Pro

User Manual

ROBOT VACUUM CLEANER

Model : A1

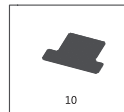
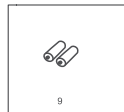
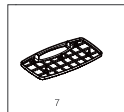
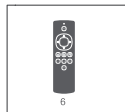
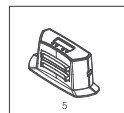
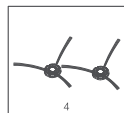
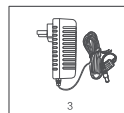
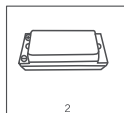
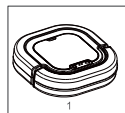
Please read this manual carefully before using

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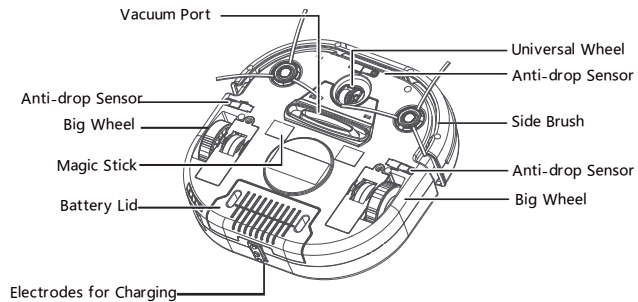
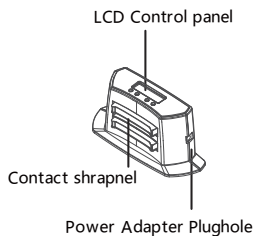
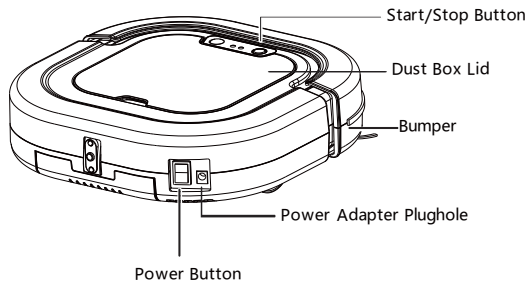
Product Introduction

Package Content		
Number	Content	Quantity
1	Main Unit	1
2	Rechargeable Battery	1
3	Power Adapter	1
4	Side Brushes	1 Pair
5	Docking Station	1
6	Remote Controller	1
7	Filter(Installed)	1
8	User Manual	1
9	Battery for Remote Controller	1 Pair
10	Cleaning Cloth	1



Product Introduction

Main Unit



Notice

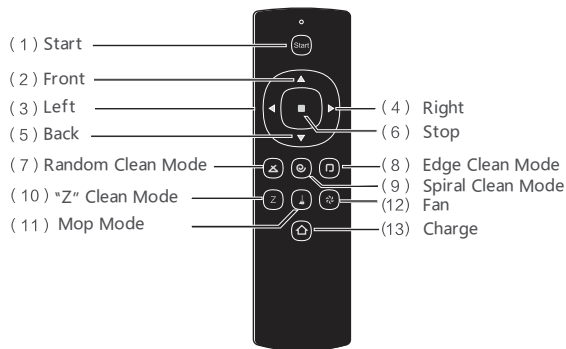
Use 24V 1000mA power adapter only!

This power adapter for indoor use only!

Wet hands DO NOT touch power adapter, plug and cords.

Introduction

Remote Controller



Remote Controller Introduction	
Number	Description
(1) Start	Press start to enter automatic clean mode.
(2) Front	Press once, the robot will move front. It will move back for 3.9in if it gets stopped by obstacles.
(3) Left	Press once or long press to move left.
(4) Right	Press once or long press to move right.
(5) Back	Press once or long press, the robot will move back for 8 inches. Notice that there is no anti-drop sensor on the back of the robot, so please mind the steps when you control it to move back.
(6) Stop	Press once to stop.
(7) Random Clean Mode	The robot will enter random clean mode.
(8) Edge Clean Mode	The robot will clean against wall.
(9) Spiral Clean Mode	The robot will spin in circles to clean, use this function for Main cleaning area.
(10) *Z* Clean Mode	The robot will clean with "Zig-Zag" pattern.
(11) Mop Mode	The robot will immediately enter mopping mode once this button is pressed.
(12) Fan	The robot will immediately enter vacuuming mode once this button is pressed.
(13) Charge	The robot will immediately go back to docking station to charge once this button is pressed.

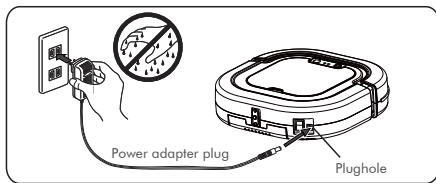
1. The robot will clean with the clean mode you choose.
2. When the robot is charging on the docking station,press "Start" to let it leave the docking station and then clean the room according to the mode you choose.

First Operation

Battery Charging

01 Direct charge with power adapter :

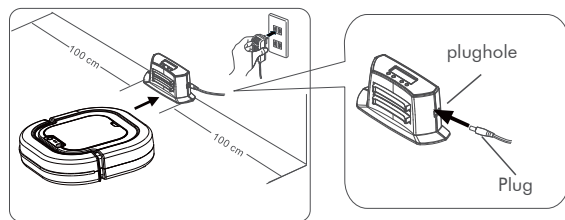
1. Plug in the adapter. You will see a flashing green light if it is being charged successfully.
2. Green light on if fully charged.
3. Red light on, needs to be charged now.



02 Charge with docking station :

1. Connect the adapter to docking station.
2. Make sure the electrodes of docking station and the robot are connected.
3. You will see a flashing green light if it's being charged successfully.

Notice : If the robot be moved when it is at the docking station, the power light will turn to green. The robot will go back to docking station if it runs out of battery.



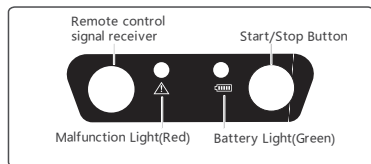
03 Instructions of Power Light

1. Green Light Flashes : being charged
2. Green Light ON : fully charged
3. Red Light ON : needs to be charged

First Operation

Control Panel

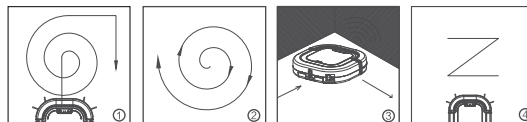
Include 2 led lights,1 button,and a Remote control signal receiver.



LED Light Instructions			
	Battery Light(Green)	Malfunction Light (Red)	Robot Status
1	Flashes	Off	Charging
2	On	Off	Fully Charged
3	Off	On	Low battery
4	On	Flashes	Robot get hung
5	On	On	Side Brushes or big whell get stuck
6	Red light and green light flashes in turn		Abnormal Charging

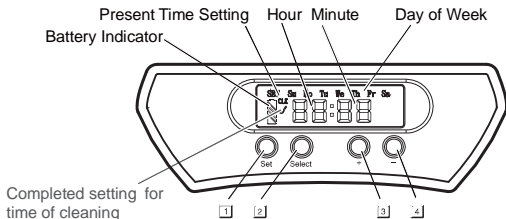
Multiple Clean Modes

1. Automatic Clean Mode : The robot will clean your room and switch to different clean modes according to environment.
2. Spiral Clean Mode : Use this mode for main cleaning area, and then the robot will spin in circles to clean.
3. Edge Clean Mode : The robot will clean the room perimeter and navigate around furniture and obstacles.
4. "Z" Clean Mode : This "Zig-Zag" clean mode cleans fastly and effectively in large areas if there's not too much furnitures.



General Operation

Control Panel of Docking Station:



Functions of buttons :

"Set" : Press "Set" to switch between setting the "CLK" present time and "☑" the working schedule.

A. Set present time :

Press **1** "Set" once, "SET", "CLK" will flash.

Press **2** "Select" to switch among time setting modes of Hour, Minute, and Day of Week.

Press **3** "+" and **4** "-" for adjustment of the digits.

Press **1** "Set" again when finish time setting.

B. Set working schedule :

Press "Set" twice, "☑" (on the left side of the screen) will flash.

Press "Select" to switch among "Hour"/"Minute"/"Day of Week" to do the setting as described in paragraph A. If no time setting was done before, the screen will show "--:--", press "+" and "-" to adjust the digits.

* * * With "☑" shown on the LCD display indicates the working schedule is set completely.

"+" : Press "+" for increment adjustment purpose.

"-" : Press "-" for decrement adjustment purpose.

Format of schedules:

- Work everyday (Su-Sa light on).
- Five days a week (Mo-Fr light on).
- Six days a week (Mo-Sa light on).
- Two days a week (Su and Sa light on).
- Once a week (Any one day of the week light on).

First Operation

Side Brush Installation and Removal

1. Place the robot upside down on a flat surface.
2. Install the brush with red bracket to the left and the green to the right.

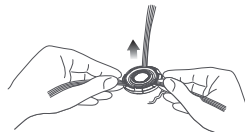
1 Installation

Just press it in,

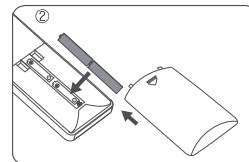
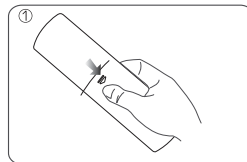


2 Removal

Hold and pull it out.



Installation and Removal of Remote Controller Battery



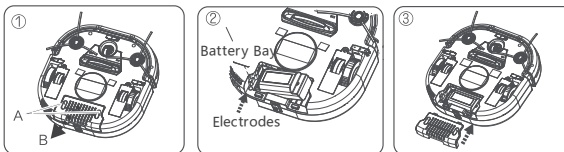
01 Press the round button and push to open the battery lid.

02 Put in the two AAA batteries and make sure that the positive and negative electrodes are correct. Close the battery lid.

First Operation

Battery Installation and Removal

1. Please turn off the robot before installing or removing battery.
2. As seen in picture below, press A and push the battery lid in direction B.
3. Put in the battery into battery bay with correct direction, make sure that the electrodes are connected.
4. Close the battery lid.

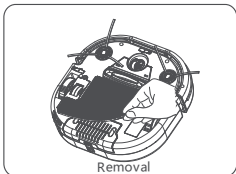
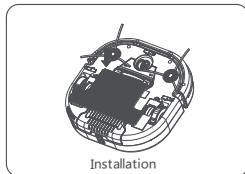



Notice : ▶ Use only authentic batteries supplied by GRAND-PRO.
▶ Use of third-party batteries will void your warranty and may cause property damage or injury.

First Operation

Cleaning Cloth Installation and Removal

- 01 Stick the cleaning cloth to the magic stick.
02. Tear it off to remove.



 Notice Remove the side brushes when you use this cleaning cloth.

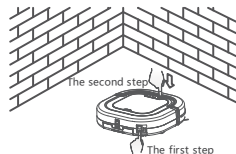
Preparation

For better cleaning, please remove clothes, papers, cords and other breakables off the floor.

Start

Please check before using:

1. Place robot in the middle of the room. Then press the switch button which near the plug hole, and press the start button on the control panel to turn on.



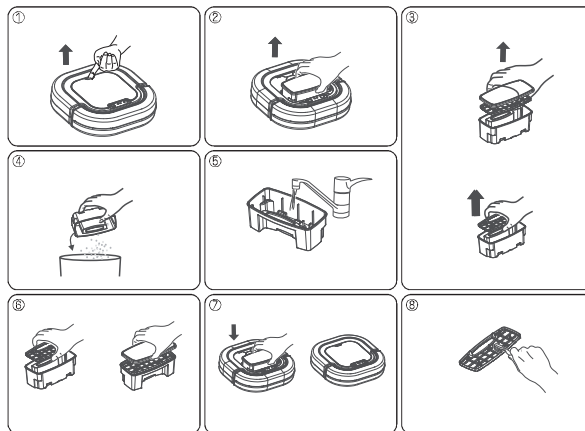
2. Switch off the robot if you do not use it for a long time.

Maintenance

Operation and maintenance of product are very simple. when vacuuming is completed, clean dirt in dust bin, and clear sticky dust on the filter(filter not allow any damage).

1. Cleaning the dust bin.

- (1) Open the cover.
- (2) Take out the tank.
- (3) Open the tank.
- (4) Then empty the tank.
- (5) Clean the tank by water. But do not put it into a washing machine.
- (6) After drying, close the tank.
- (7) Put it back to the robot and close the cover.
- (8) Hair and debris may accumulate on the internal tank filter. For best results, clean filter after each use.

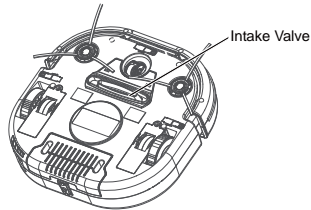


Cleaning And Maintenance

Cleaning Intake:

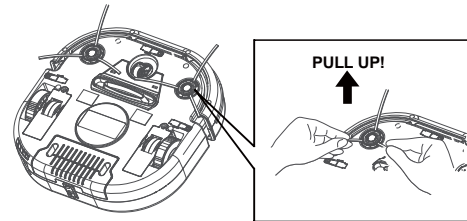
It's important to clean the intake valve after every cleaning cycle.

1. If you have not yet ejected the tank, please remove the tank.
2. Turn off the power and place the robot upside down on a flat surface.
3. Clean the intake valve with cleaning cloth.



Cleaning Side Brushes:

1. After being used for a period of time, the brushes need to be replaced for working more effectively.
2. Turn off the power and place the robot upside down on a flat surface.
3. The side brushes can be rinsed and if they become crooked, soak them in hot water to recover to the original shape. Install the brushes back after cleaning.



Product Parameter

Product Technical Parameter

Term	Parameter	Term	Parameter
Length*Width	276mm	Charging Type	Manual Charging/ Self-charging
Height	74mm	Clean Modes	Auto, Spiral, Edge and Zig-zag
Voltage	14.8V		
Battery Capacity	2200mAh	Charging Time	Approx 4 hrs
Dust Box Capacity	230ml	Working Time	Approx 2hrs
Net Weight	4.0 lbs	Button Type	Hard material buttons

Working Environments

Suitable for : general households and small offices

with hard floors and thin carpets floor .

Troubleshooting

	Problem	Possible Cause	Solution
1	Turn on the power switch with no LED display shown.	<ol style="list-style-type: none"> 1. Battery is not installed correctly. 2. Very low battery. 	<ol style="list-style-type: none"> 1. Install the battery according to the manual. 2. Charge the battery according to the manual.
2	Remote control doesn't work.	<ol style="list-style-type: none"> 1. The battery for the remote control is exhausted. 2. The "AAA" battery is not installed correctly or not installed. 3. The unit and remote control are exposed in the sunlight or strong light. 4. Remote control will not function if it nearby docking station. 	<ol style="list-style-type: none"> 1. Change a new set of battery. 2. Re-install the battery correctly. 3. Please close the curtain to avoid the unit directly exposed to sunlight. 4. Take away it from docking station least 2 meters.
3	Vacuum on but can not collect dirt or hair.	<ol style="list-style-type: none"> 1. The dustbin is full. 2. The filter is not installed correctly. 	<ol style="list-style-type: none"> 1. Clean the dustbin. 2. Re-install the filter correctly.
4	The side brush becomes crooked, not good to sweep.	Being used for a long time.	If it becomes crooked, you could soak it in hot water to have it recover to its original shape.
5	Robotic Fcircles around only.	One of the wires of the wheels is loosened.	Open the wheel cover and connect the loosened wire of the wheel set properly or contact your local dealer for service.
6	Cannot start the A1	<ol style="list-style-type: none"> 1. The battery is not installed properly. 2. Battery power is low. 3. The Top Cover is not installed properly. 	<ol style="list-style-type: none"> 1. To install the battery properly, please refer to page 10 for battery installation. 2. Fully charge the battery. 3. Place back the Top Cover and turn it on again.
7	It could not vacuum effectively when it is turned on	The dust bin filter is not properly installed.	Install the dust bin filter properly.

Warning Of Battery & Adaptor

1. Please follow the voltage and current specified and printed on the packing labels. Check with salesman or local power company if it is uncertain.
2. To avoid the hazard from battery short circuit, please follow the instruction of installing battery exactly.
3. The adaptor is applied indoors only.
4. Do not keep using the equipped battery if the packing cast is broken or the battery is leaking.
5. If battery is leakage, please handle with rubber glove to avoid contact with skin.
6. Never touch the adaptor, plug and cable with wet hands.
7. Unplug, stop recharging, and take out the battery before clean the unit.
8. Remove the battery before dispose the unit.
9. Unplug or turn off the unit before take out the battery.
10. Recycle the disused battery properly.
11. Keep battery away from inflammable area.
12. Do not soak the battery into water or raindrop.
13. Do not try to disassemble the battery.
14. Do not disregard kids playing with battery.
15. Do not contact eyes, skin, clothes with battery leaking fluid, wipe the leaking battery with dry cloth before recycle it properly.
16. The external flexible cable or cord of this transformer cannot be replaced ; if the cord is damaged, the transformer shall be scrapped.
17. The protective devices cannot be reset or replaced after a short circuit or an overload.

Warranty

1. Please provide your order ID. You can also send email to service@grand-pro.com.
2. You enjoy 12 month product warranty and 6 month battery warranty since date of purchase.
Parts such as side brushes, filter, dust paper, cleaning cloth and giveaways are not within warranty.
3. The following conditions are out of product warranty :
 - (1) Does not provide order ID.
 - (2) Product without warranty.
 - (3) Product within warranty but disassembled the product without manufacturer authorization.
 - (4) Other conditions that product does not enjoy warranty.
4. Products obtained through informal channels are out of warranty and repairing services.

Please contact us for service.

E-mail : service@grand-pro.com

Grand-Pro

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