BlitzWolf

User Manual

Smart Robotic Vacuum Cleaner
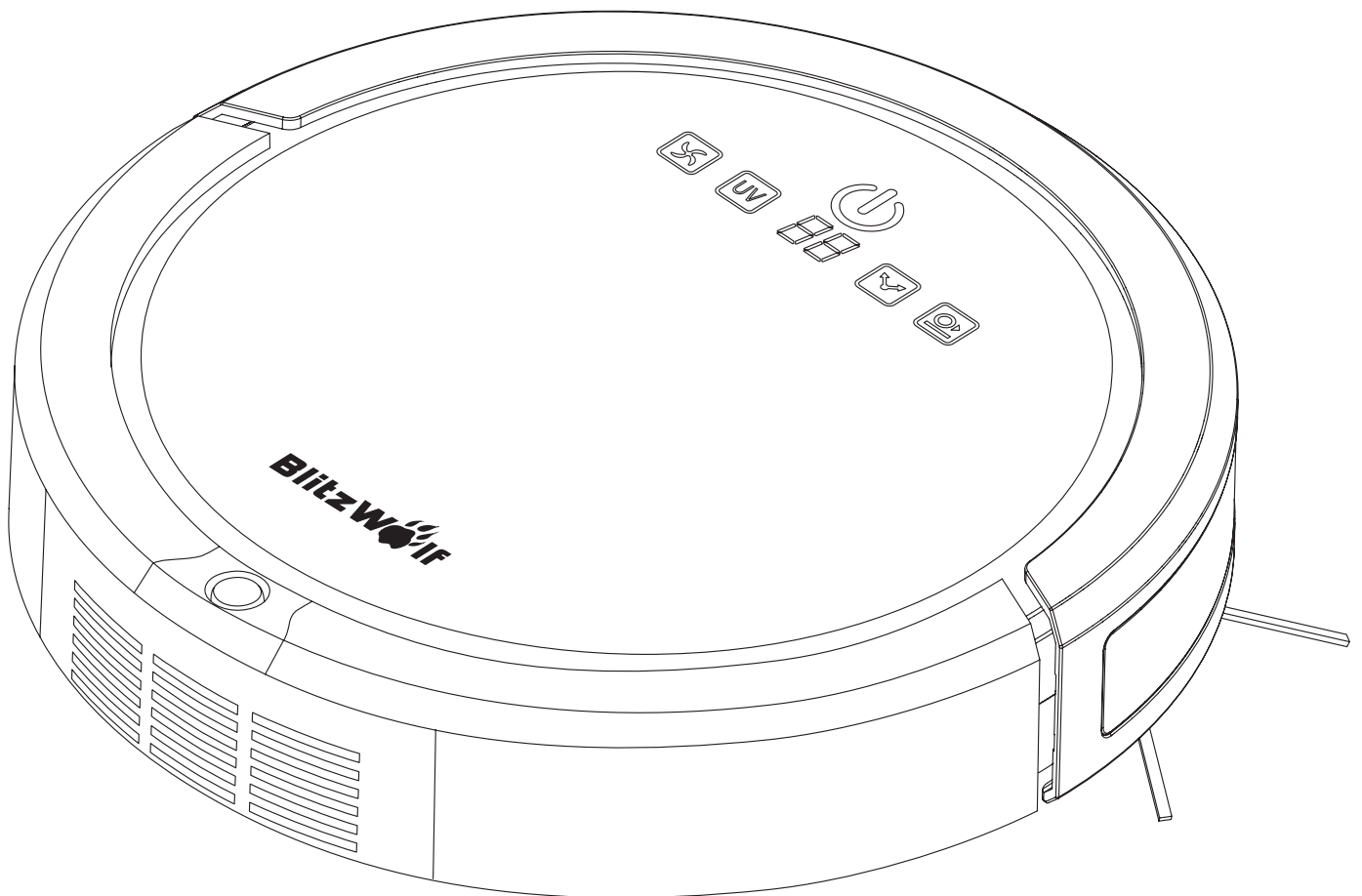## Model:BW-XRC600-S

Table of Contents

BlitzWolf

General Safety Instructions

THE USERS OF THIS APPLIANCE SHOULD HAVE FULL KNOWLEDGE OF THE SAFETY INSTRUCTIONS AND UNDERSTAND THE POSSIBLE RELATED HAZARDS. THIS IS NOT A TOY. CHILDREN SHOULD NOT USE THIS WITHOUT SUPERVISION OF PARENTS OR ADULTS.

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS ROBOT AND ALL OTHER PARTS TO RAIN OR MOISTURE.

1．Safety Precautions

■ Please read the following safety and operation instructions thoroughly before you use this robot.

■ Please retain this manual for future reference.

■ Heed all warnings on the product to prevent any possible hazards or damages such as fire, short-circuiting or injury.

■ Please follow all safety operations and processes stated in this manual.

■ Please make sure you have full understanding about the safe use of this robot and related parts.

■ Do not use corrosive cleansers or chemical solvents to clean the product.

2．Safety Instructions

■ This robot is for indoors use only.

■ This robot is NOT a toy. Sitting or standing on this robot is strictly prohibited.

■ This robot is NOT a moving carrier. Please do NOT put any items on the top of the robot.

■ Since this robot is an electronic product, never immerse it in water or use it in a moist or wet environment.

■ Before the robot starts the cleaning process, please tidy up small items, such as clothing, power cords, cables, and loose fringes of rugs, to prevent any possible jam of the robot's rolling brush or suction nozzle.

■ When the robot is working, please pay additional attention to children or pets nearby. It is highly suggested to keep them away from the robot.

■ This robot is not designed to pick up debris that is still burning, smoking, or wet. It is also strictly prohibited to use this robot to clean up chemical particles or volatile liquids such like gasoline.

General Safety Instructions

■ In case the robot is not used for a long period of time, please recharge the battery at least once every other month and store it in a cool and dry place after it is fully charged.

■ Use only attachments, accessories and spare parts specified by the manufacturer.

■ Remove the battery from the robot and make sure all power is off before you start cleaning the robot.

■ Never touch the robot and any other parts, including the battery charger, power plug and power cord, when your hands are wet.
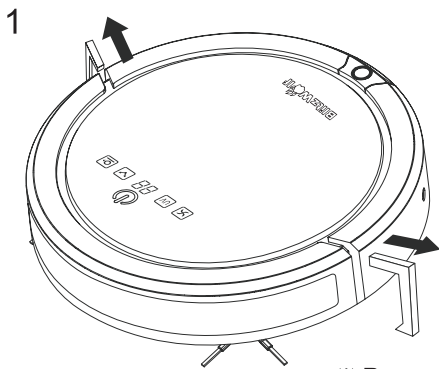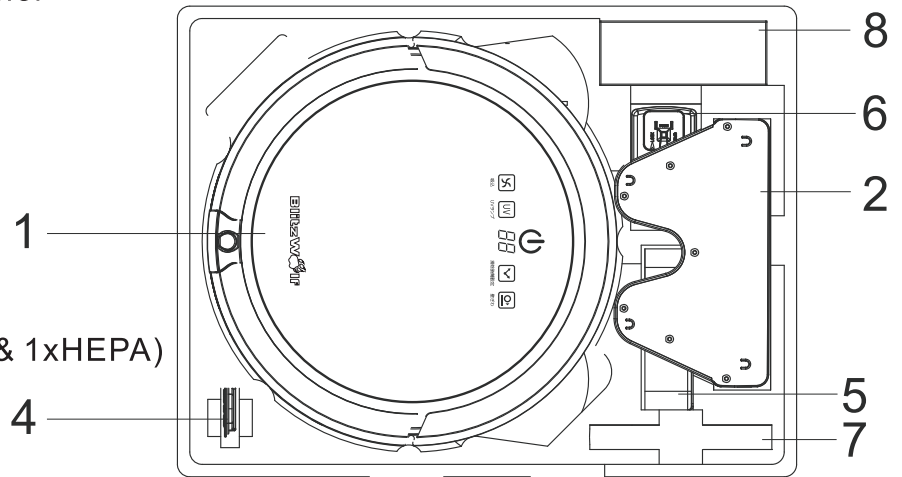
⚠ Warning

🚫 Do not look directly into the UV light and do not touch the UV light bulb with bare hands or any sharp or conductive tools.
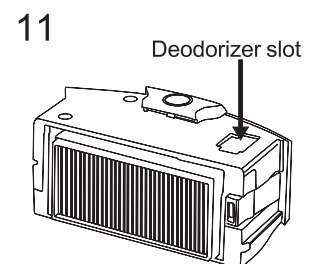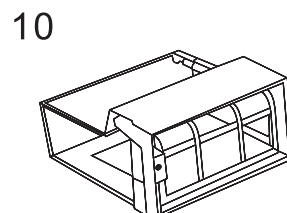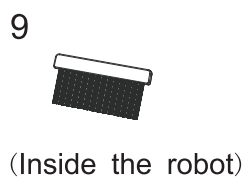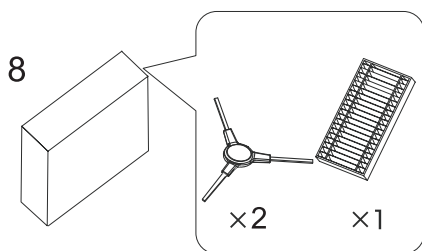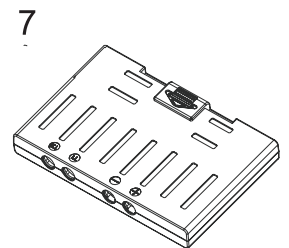
🚫 The UV light is a permanent fixture. Do not attempt to remove or replace the UV light. This replacement can only be performed by professional personnel authorized by the manufacturer.

Contents

1. BlitzWolf XRC-600 Vacuum cleaner
2. Auto charging station
3. User manual
4. Remote controller
5. Ultrasonic wall
6. Power supply
7. Charging Battery
8. Spare Parts Box(2xSide brushs & 1xHEPA)
9. Cleaning Brush
10. 0.4L Dust Box
11. Suction Ventilator

8
6
2
1
4
5
7

1
2
3

User Manual
Smart Robotic Vacuum Cleaner
Model:BW-XRC600

※ Remove the protective strip

4
5
6
7

8
×2   ×1

9
(Inside the robot)

10

11
Deodorizer slot

3

Features

Dust Bin Release Button

Start/Stop Button

Function Panel

Bumper

Adaptor Inlet

XRC600-S

Cliff Sensors (X4)

Side-Brush

Rolling-Brush

Caster Wheel

Recharging
Contact Point

Power Switch
I : ON
O : OFF

UV Light

Side-Brush

Vacuum Ventilation

Wheel Module

Dust Bin Module
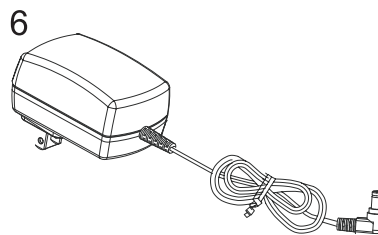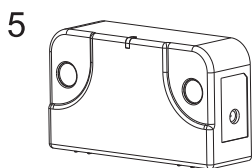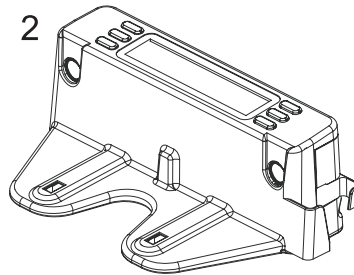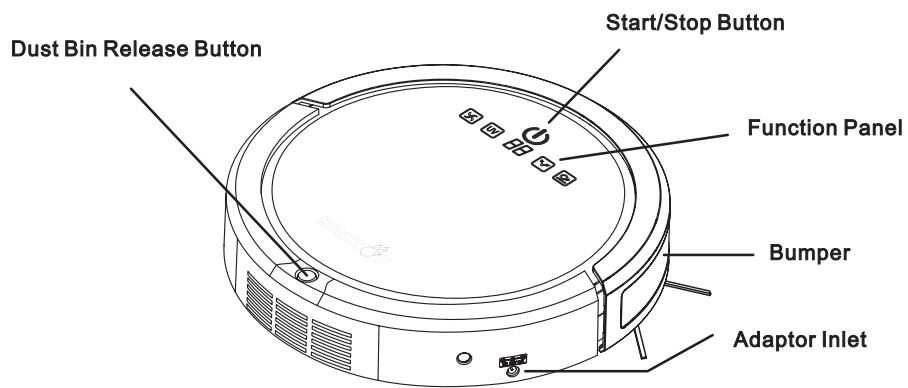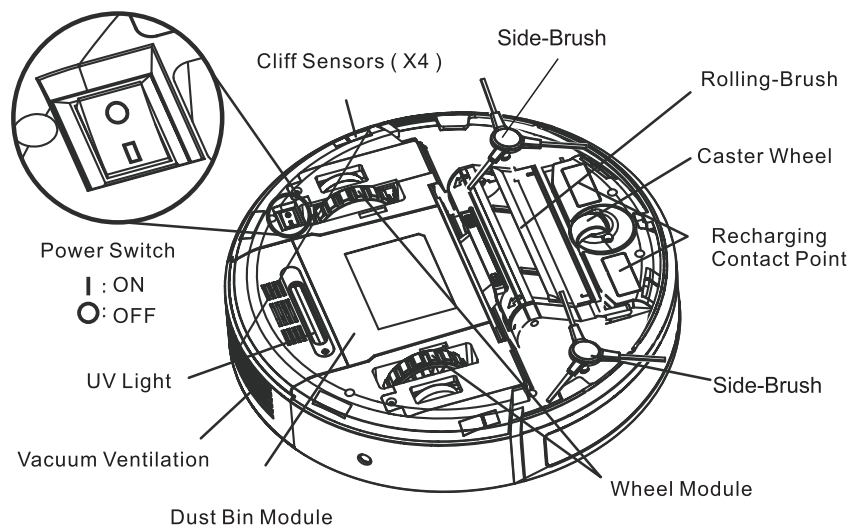
Special Features & Cleaning Modes

Robotic Features:

1.Scheduler / Recharging Home Base – Auto cleaning with scheduler & auto recharge
when low on battery.

2.Ultrasonic Obstacle Detection

3.Collision Obstacle Detection

4.Anti-falling Sensors

5.Ultrasonic Dust Sensors – When dirty area is detected, perform detail cleaning with
spiral mode

6.Ultrasonic Virtual Wall – When needed, use virtual wall to limit the vacuum machine's
path.

7.Remote

Cleaning Features:

1.Side Brushes and Focused Suction Inlet – Powerful suction and full coverage of
cleaning.

2.Floating Roller Brush – Allow the roller brush and suction to stay close to the ground,
covers all the dead spot while remain full suction power.

3.Debris Filter & HEPA Filter – Debris filter holds normal debris and extends HEPA
filter life span. High efficiency particulate air filter traps the fine particles which trigger
allergy and asthma symptoms.

4.UV Light – Exterminate bacteria and mites.

Cleaning Modes

1. Auto Mode

■ Once the robot is activated without specificcleaning instructions, it will automatically
ex ecute the auto function by repeating 5 different modes. The combination of
different cleaning patterns will ensure the robot finishes the cleaning of any given
space or area.

| Special Bounce | Spiral | Wall Following | Zig-zag | Polygonal |
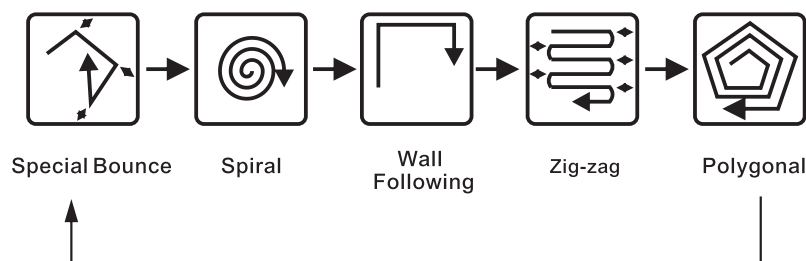
2. Manual Mode

■ Users can manually instruct the robot to perform any specific cleaning pattern
depending on different conditions or spaces.

Preparation/Setup and Installtion-1

1. Battery Installation and Removal

Battery Installation

1. Push the dust-bin release button and pull out the dust-bin.

2. Flip the robot over, and push the battery into the slot.

3. Push the battery until the hook is completely locked.

4. Flip the robot over again, and insert the dust-bin back

1.   2.   3.   4.
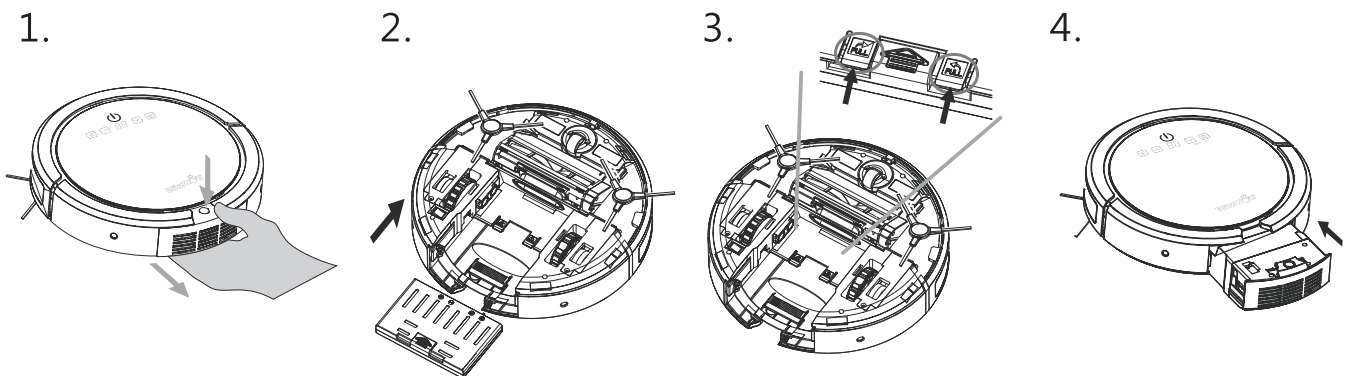
Battery Removal

1. Remove the dust-bin first and flip the robot over.

2. Push the two battery hook buttons simultaneously. The battery will pop out automatically.

3. Remove the battery

1.   2.   3.
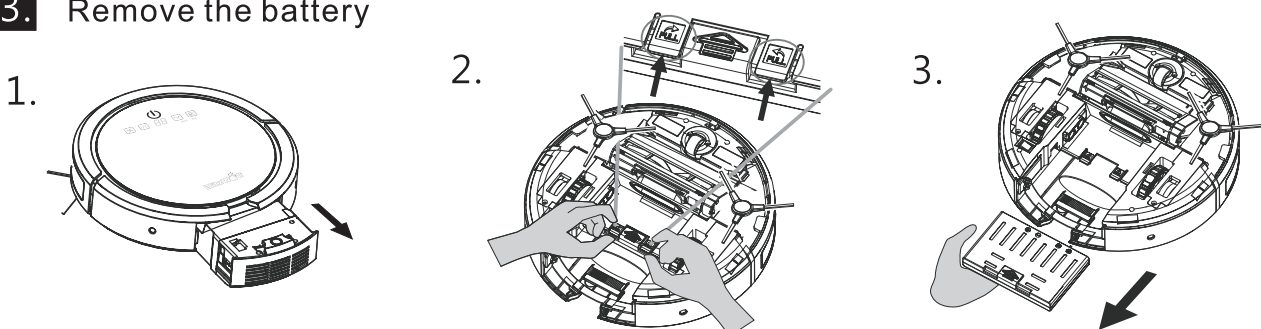
Preparation/Setup and Installtion-2

2. Recharging Home Base

When the robot completes its cleaning cycle or the battery level is low, the robot will return to the Recharging Home Base automatically.
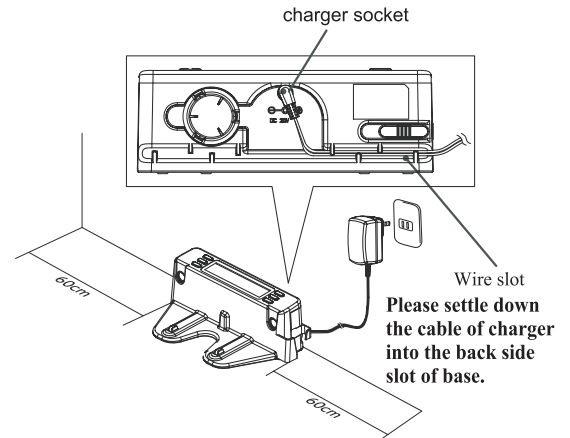
Installation

charger socket

Wire slot
Please settle down the cable of charger into the back side slot of base.

60cm

60cm

■ The Recharging Home Base must be positioned on an even floor surface against a wall.

■ Position it at a proper location with at least a 0.6m (2 ft.) clearance around.

■ Connect the AC adaptor to the power socket on the rear side. Only use the AC adaptor provided.

■ The LCD display on the Recharging Home Base will turn on when it is plugged in.

■ Always keep the Recharging Home Based power plugged in.

Docking Test

■ Leave the robot on the floor somewhere near the Recharging Home Base.

■ Press the "Home" button on the remote control.

■ The robot will return to the Recharging Home Base automatically.

■ If the robot fails to dock , check the installation process to make the necessary adjustments to the Recharging Home Base until the robot can dock properly.

Preparation/Setup and Installtion-2
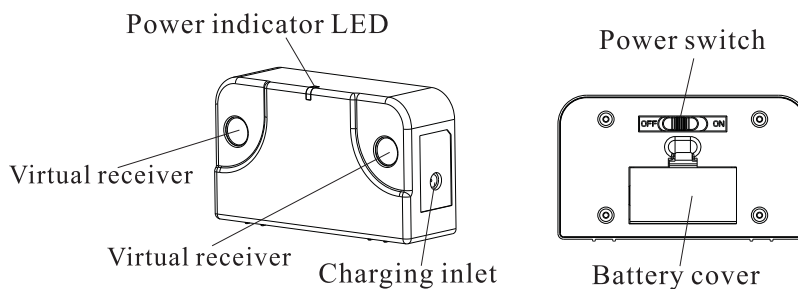
Robot Battery Recharge

- When the Power Button on the robot blinks red, this indicates that the battery level is low.

- The robot will shut down the vacuum engine and go back to the Recharging Home Base.

- Users can also use the AC adaptor to plug into the robot directly to recharge the battery.

- When the battery is fully recharged, the Power Button will light up a solid blue.The recharging process is about 3 hours.

Robot Battery Care

- Rechargeable batteries are used in this robot. The batteries can last for hundreds of recharging cycles if it is properly cared for.

- Recharge the battery as soon as the robot is used.

- Keep the robot charged when not in use.

- If the robot will not be used for a longer period of time, remove the battery from the robot and store it in a cool and dry place.

3.Virtual Wall

The Virtual wall create an invisible barrier that XRC-600 will not cross.

Power indicator LED

Power switch

Virtual receiver

Virtual receiver   Charging inlet   Battery cover

Instructions:

1. This CleanMate Virtual Wall is powered by 2 AA batteries. Make sure to install the enclosed AA rechargeable batteries in correct polarity.

2. To turn on the Virtual Wall, slide the power switch to "ON" position.

3. When turned on, the blue LED light glows for 70 seconds, then the Virtual Wall turns into waiting mode. When XRC-600 starts working, the Virtual Wall will turn on and show blue LED light.

4. The best effective distance of Virtual Wall barrier is about 3M(10 ft).

5. The LED light will blink when the Virtual Wall is low on battery.

Charging-base

DC inlet

Slide switch   DC Plug   **Virtual-Wall**
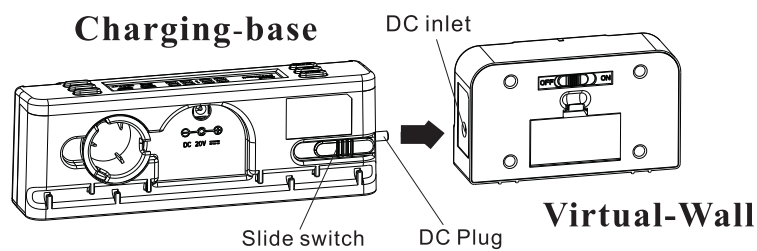
You can charge battery by pluggin into charging base, please see the figure

above.

Step 1: The power switch of Virtual Wall must set to "ON" position.
Step 2: Press and slide out the DC Plug from charging base.
Step 3: Plug the DC Plug into DC Inlet, the LED light will blink.
Step 4: When recharge is complete, LED will glow continuously.

6. When XRC-600 is cleaning, the Virtual Wall must position at least 1m (3 ft)
away from Charging Base, and avoid facing towards Charging Base.

7. WhenXRC-600completes cleaning, you can power off the Virtual wall by
sliding the power switch to "OFF" position.
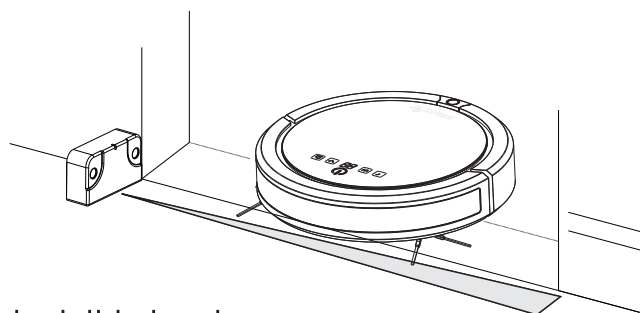
XRC-600 detects the invisible barrier,
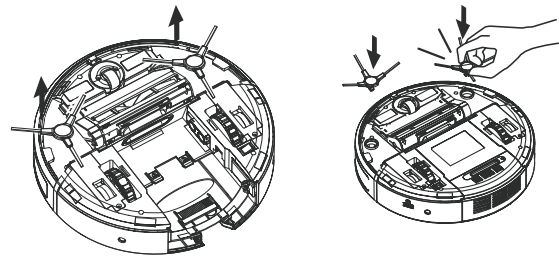it will turn around and head to another direction.

9

Preparation/Setup and Installtion-3

3. Accessories Installation and Removal

Spinning Side Brush

Installation: Insert the side brush into the socket. Press it firmly until it is properly locked.
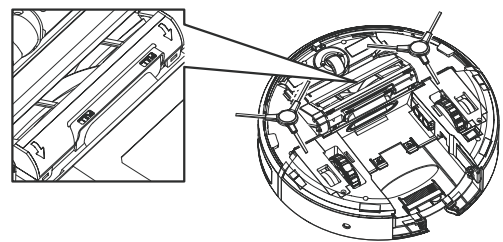
Removal: Pull the side brush from the bottom.

Rolling Brush

Installation: Insert the rolling brush, then press the "Push" button and close the cover.

Removal: Removal: Press the " Pull " button, then pull out the rolling brush directly.

Fragrance Installation

1. Press the Dust Bin Release Button and remove the dust bin.

2. Insert the fragrance particle into the compartment.

3. Insert the Dust Bin back into the robot.

⚠ CAUTION

Do NOT use any liquid or oil aroma products in the Robot.
This may cause possible damage to the robot.

General Operation and Settings-1

1. Robot Panel Function

VAC ❺ UV ❻ ❸ Timer ❷ Soft-touch ❹
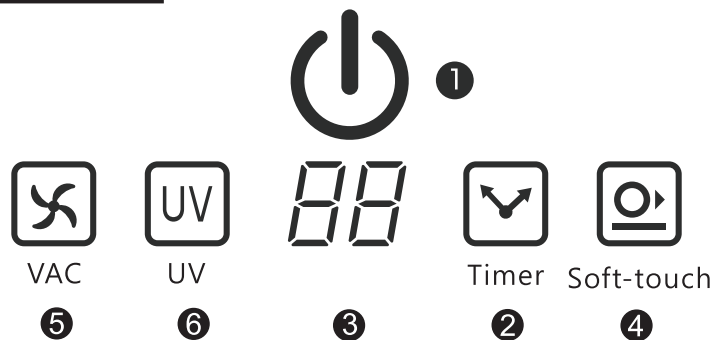
Power Button:

Press the Power Button to activate the robot. The button will light up blue.

■ The Power Button Light indicates the status of the robot and its system.

Power Button Light	System Status
Red Pulse	Battery Level is low
Blue Pulse	The battery is recharging
Solid Blue	The battery is fully recharged

❶ Start/Stop Button:

Press this button and it will light up blue. The robot is activate to perform the cleaning cycle. Press the button again to stop the cleaning cycle.

❷ Timer

8 different Cleaning Time Setting options are available.Users may use their remote control to enter specific cleaning time settings (10 mins,20 mins,30 mins, …80mins),the selected setting will be shown on the display. When the robot is activated ,the default cleaning time setting is the last previous time setting.

General Operation and Settings-1

❸ Display of Timer/Cleaning Mode/Error Message

■ There are 6 different cleaning patterns that the robot uses during the cleaning process.

1. **Special Bounce**
2. **Spot Spiral**
3. **Wall Following**
4. **Zig-zag**
5. **Polygonal Spiral**
A. **Automatic (the combination of patterns 1-5)**

Users may use their remote control to select a specific cleaning pattern. The number or letter **"A"** will be shown on the display.

When the robot starts to return to the Recharging Home Base, the letter **"H"** will be shown on the display.

Users may also interrupt the cleaning cycle by pressing the **"Home"** button on the remote control. When the command is entered, the robot will stop cleaning and go back to the Recharging Home Base.

■ **Error Messages:**

If there is something wrong, the robot will stop working immediately and show an error message on the display. Descriptions of error messages are shown below.

Error Message	Suggested Actions
E1 Over Time for Front Cliff Sensor	The robot might be trapped in a specific area where there are stairs or a floor edge.
E2 Recharging Error	Please refer to the correct installation process of the Recharging Home Base and try it again.
E3 Over Time for Front Bumper	The robots front bumper is stuck. Check the front bumper.
E4 Battery Over-Heating	Stop using the robot for at least 60 min and then restart it again. If this message still shows up, please contact your local warranty service provider.
E5 Left Wheel Overloaded	Check the left wheel, and remove any objects stuck in it.
E6 Right Wheel Overloaded	Check the right wheel, and remove any objects stuck in it.
E7 Side Brush Overloaded	Check both side brushes to remove any jammed objects.
E8 Rolling Brush Overloaded	Check the rolling brush to remove any jammed objects.
E9 Front Wheel Get Stuck	Check the front wheel and help it get out of stuck.

Dust-Bin Full Reminder:
When dust bin is full, the error message display will show 00. Please clean up the dust bin prior to the use of the robot again.

General Operation and Settings-1

④ **Soft-Touch:**

When this function is activated, the robot will slow down its moving speed in order not to collide with any objects when cleaning.

⑤ **Vacuum Motor:**

The robot cannot perform the cleaning process without the activation of the vacuum motor function.

⑥ **UV Light:**

The UV Light is activated to sterilize the floor surface.

General Operation and Settings-2

2. Remote Control Function

All function buttons on the robot's front panel are available on the remote control. There are some additional unique buttons on the remote control shown below.

① **Power Button :** Press this button to activate or to shut down the robot.

② **Start/Stop Button :** Press this button to activate the robot to perform or to stop the cleaning process.

③ **Direction Buttons :** Directional buttons (Left/ Right/ Reverse/ Forward) for users to control the movement manually.

④ **Timer Button :** To set up the cleaning time.

⑤ **Home Button :** This function is to interrupt the robot's cleaning process and to command it to go back to the Recharging Home Base directly.

⑥ **Mode Button :** To manually set up the cleaning mode of the robot. Each press will command the robot to change its cleaning mode in the sequence of the following patterns. Users may also find the current pattern code on the robot's display panel.

1: Special Bounce   **2:** Spot Spiral   **3:** Wall Following **4:** Zig-zag

5: Polygonal Spiral **6:** Automatic (the combination of patterns 1-5)
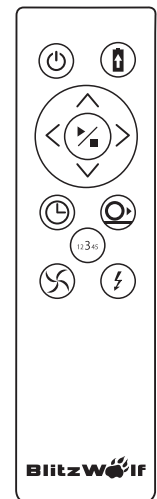
❼ ⚡ **UV Button :** Press this button to activate or to shut down the UV light.

❽ 🜨 **VAC Button:** Press this button to activate or to shut down the vacuuming motor.

❾ 🜨 **Soft-Touch Button:** Press this button to activate or to shut down the soft-touch function.

IOS/Android APP Control Function

There also can use the APP to Control the XRC-600 robot.

1. Please download the APP with your phone on our official website: www.blitzwolf.com .

2. Please turn on the device. During standby mode, hold the "Collision" button until you hear a sound "Beep, Beep". When the displays shows "Cd", the device has entered network connection mode.

3. Press Next, and enter the WiFi name and passwords.

4. After the configuration success, press confirm and the APP is ready to operate.
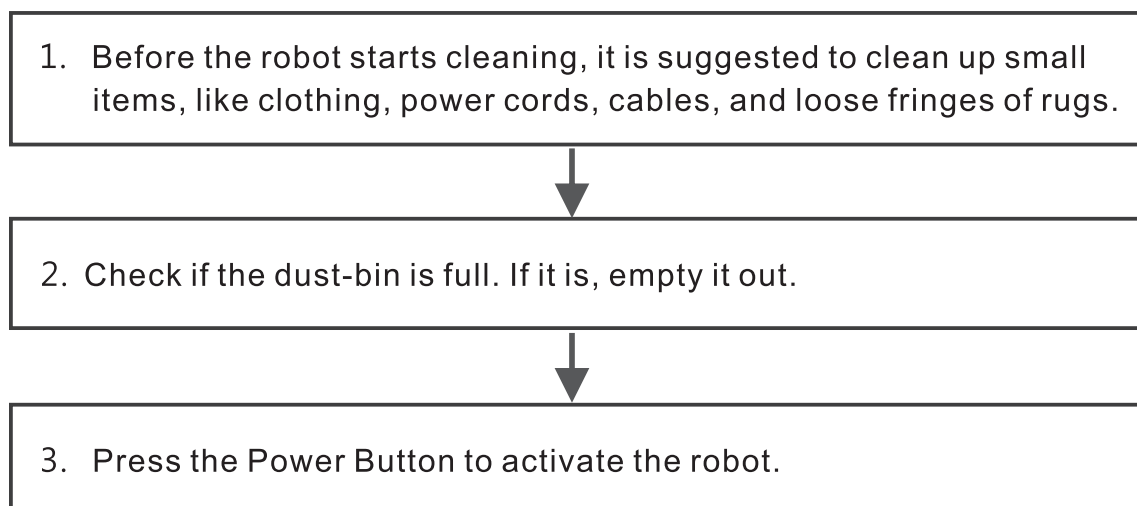
Also, XRC-600 cleaner can be reseted and re-configured.

1. Please press and hold the "VAC" button on the robot.

2. After hearing the "Beep", "Beep" sound, the screen will display 12.

3. Then you could re-configure the cleaner via LAN.

> For more details configuration instruction please find at page 25, thanks :)

General Operation and Settings-3

3. Cleaning Operation

1. Before the robot starts cleaning, it is suggested to clean up small items, like clothing, power cords, cables, and loose fringes of rugs.

⬇

2. Check if the dust-bin is full. If it is, empty it out.

⬇

3. Press the Power Button to activate the robot.

⬇

4. Use the remote control to set up the preferred cleaning time or cleaning cycle. For practical purposes, the robot can clean a 5 to 7 square meter area in 10 minutes. However, this ratio varies depending on types of floors and the complexity of the space.

5. Users may interrupt the robot's cleaning cycle at any time by pressing the Start/Stop button either on the robot panel or the remote control. By pressing the button again, the robot will resume the previous cleaning cycle.

General Operation and Settings-4

4. Schedule Setting

Users may program the robot to perform the cleaning cycle on any preferred day and time. This scheduling function is built-into the Recharging Home Base with the LCD display and several setting buttons. In order to perform this function, the Recharging Home Base needs to be plugged in at all times.
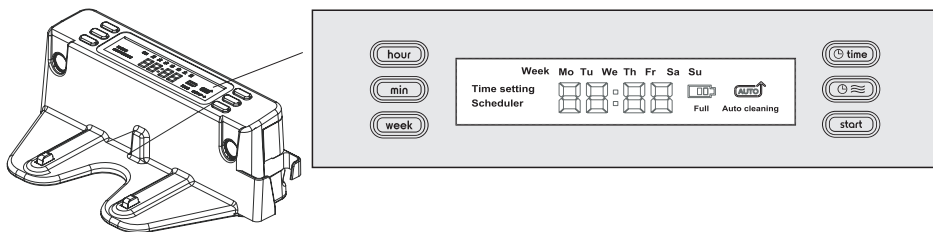
Setting Your Local Time

1. Press the button **"Time"** first. The LCD display will show "Time Setting".
2. Press the **"Week"** button to choose the correct weekday.
3. Once the chosen weekday appears on the display, press the button again.
4. Follow the previous steps to complete the settings of **"Hour"** and **"Min"**.

General Operation and Settings-4

Scheduling The Robot

1. Press the **"Schedule"** button first. The LCD display will show **"Scheduler"**.

2. Press the **"Week"** button. The LCD display will show **"Mo" (Monday)** blinking.

3. If Monday is the chosen day, press the **"Week"** button again. Then Monday will be program med in.

4. The setting function will automatically change to the next following weekday every 8 seconds. Press **"Week"** when the chosen day appears on the LCD display to complete the settings.

5. Follow the previous steps until you have finished all cleaning day settings.

6. Press the **"Hour"** button to complete the hour setting.

7. Press the "**Min**" button to complete the minute setting.

8. The schedule setting function will automatically quit if there is no input for more than 60 seconds.

9. When all settings are finished, the selected cleaning date and time will be shown on the LCD display.

10. After 10 seconds, the LCD display will go back to the clock display mode. Local current time will be shown on the display.

11. The selected cleaning date will remain on the LCD display while the selected time is NOT.

12. To check the programmed cleaning time, press and hold the **"Schedule"** button.

13. For changing or deleting the set schedule, repeat the previous setting process.

Auto Start

When the robot is docked in the Recharging Home Base and is under the recharging process.

1. Press the **"Start"** button. The LCD display will show **"AUTO"**. The robot will start one cleaning cycle as soon as the battery is fully charged.

2. Press the **"Start"** button and hold it for 3 seconds. The robot will stop its recharging process and leave the Recharging Home Base immediately for one cleaning cycle
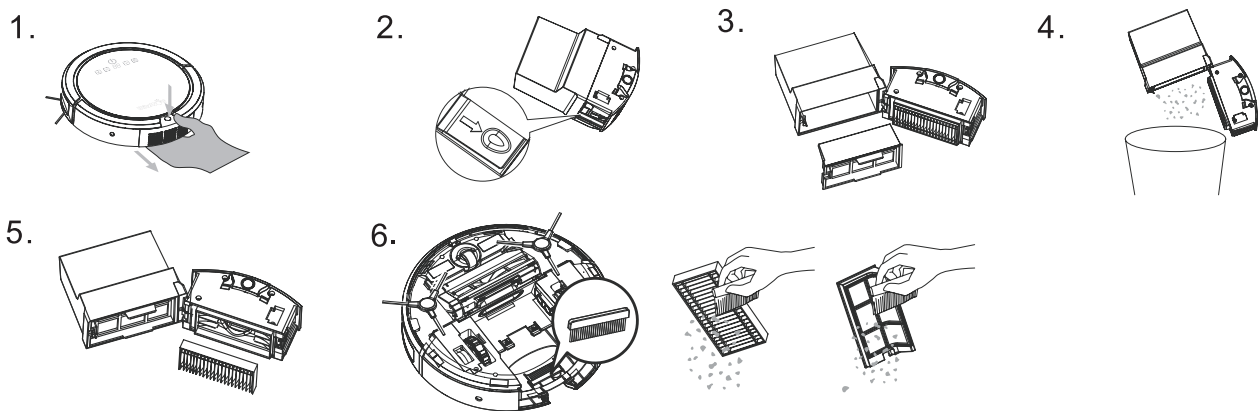
Regular Maintenance

In order to keep the robot in the best condition and for the best cleaning performance, perform the following maintenance.

Dust Bin and Filter

Basic Cleaning

1. Press the Dust Bin Release Button to remove the dust-bin.
2. Press the side button to release the dust compartment.
3. Remove the debris filter.
4. Empty all dust and shake off all debris.
5. Remove the dust filter.
6. Use the included brush to wipe out the dust filter and debris filter.


Deep Cleaning

1. Carefully separate the dust compartment from the vacuum motor unit.
2. Gently wash the dust compartment and debris filter.
3. Dry them thoroughly with a cloth.
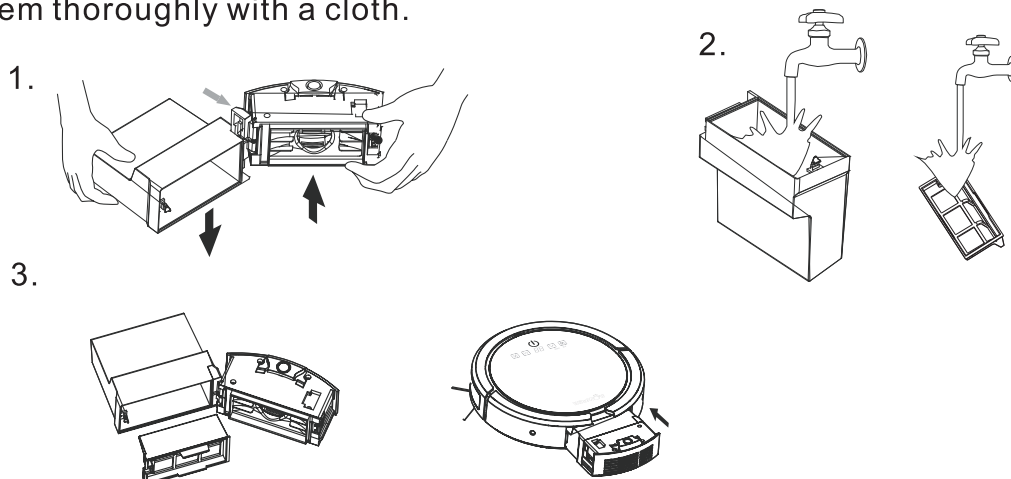
Regular Maintenance

Rolling Brush

1. Remove the Rolling Brush from the module.

2. Cut the hairs with scissors into shares or other cleaning brush.

3. Avoid cutting brush or pull too hard bristle brush around the object, as this may damage the brush.

4. Used 2 hands, push and lift the same time.
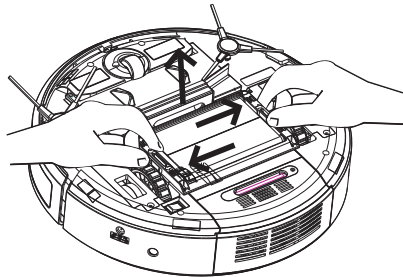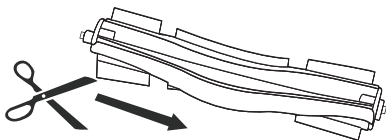
Side Brush

1. Remove the side brush from the module.

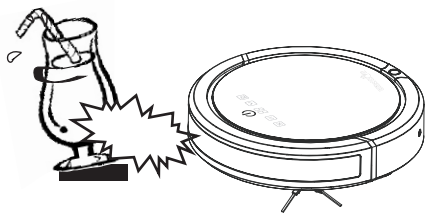2. Clean the side brush and install it back on the module.
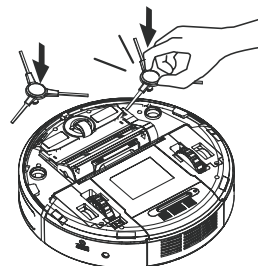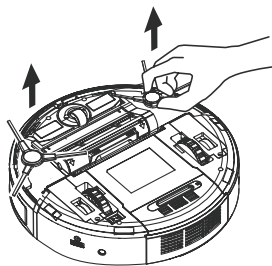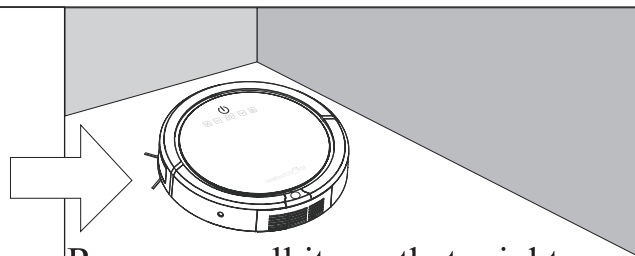
Wheels and Sensor

1. Check and remove all debris and dirt.

2. Wipe all sensors gently with a dry cloth.

Useful Tips

Tip#1 : Prepare the cleaning area and remover large debris, loose
        cables, wires, and items that can be easily tangles with brush or
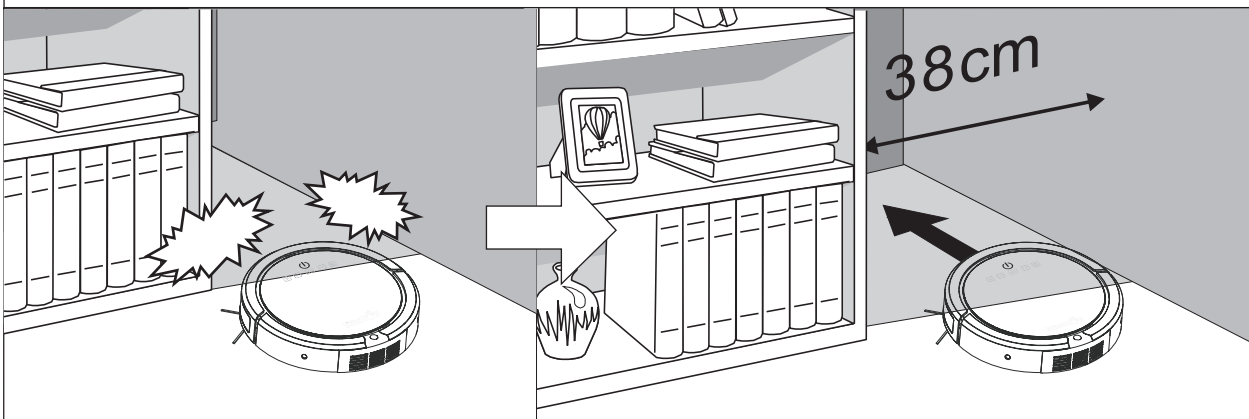   knocked over.

Remove vases, glasses, or small
lamps, etc.

Remove small items that might
obstruct XRC-600 operation
for faster and better cleaning

Tip#2 : Leave enough clearance space(15"or more)for XRC-600
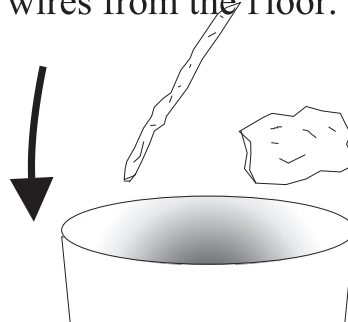   to operate.

38cm

Tip#3 : Do not let loose edges of rugs, drapes, table cloths, etc to
        get caught by XRC-600 brushes. Roll the loose edges of rugs
        underneath.
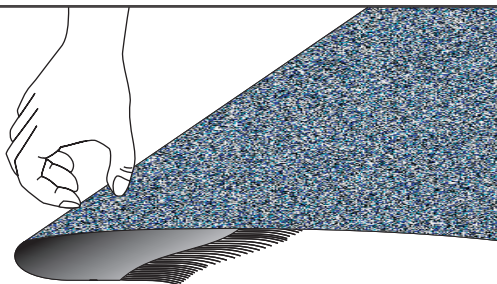
Fold the rug edges that have
loose ends under it.

Remove plastic bags and long string
or loose wires from the floor.

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Useful Tips

Tip#4: ① Please collect the wires and other items that might cause the cleaner stuck before it start cleaning your house.
Fixing jams: If some object gets caught with roller brush or side brush, turn the XRC-600's power off immediately. Remove anything that caused the jam before using the cleaner again.

XRC-600 will make a beepingsound when jammed. Power-off the unit
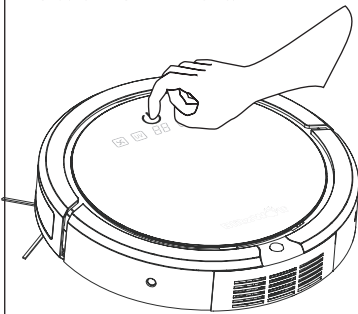
Turn it upside down, and remover the objects.
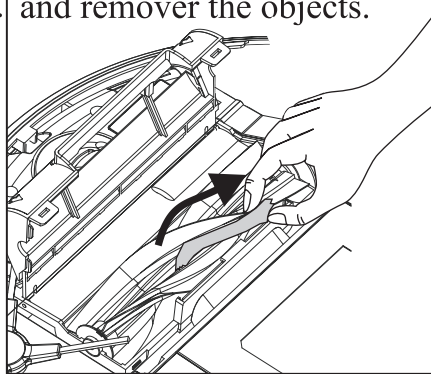
Clean the vacuum entry.

Tip#5 Block off certain areas with Sonic wall(or other objects)to get better cleaning result.

The space under some furniture may not be high enough for the XRC-600 to get underneath.

Use potted plant to block the XRC-600 and prevent it from going these places.

Warranty Policy

Troubleshooting

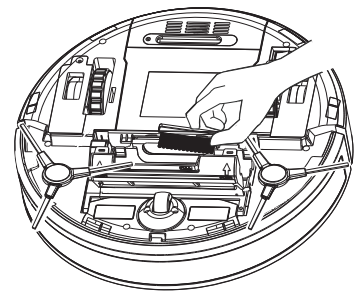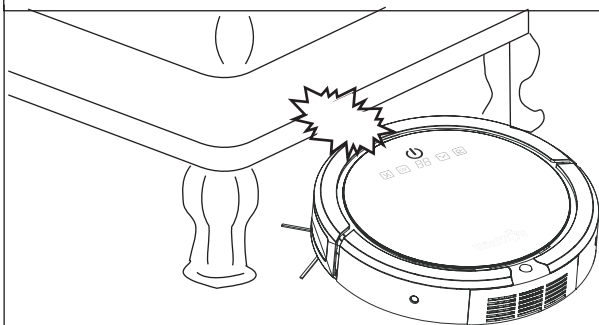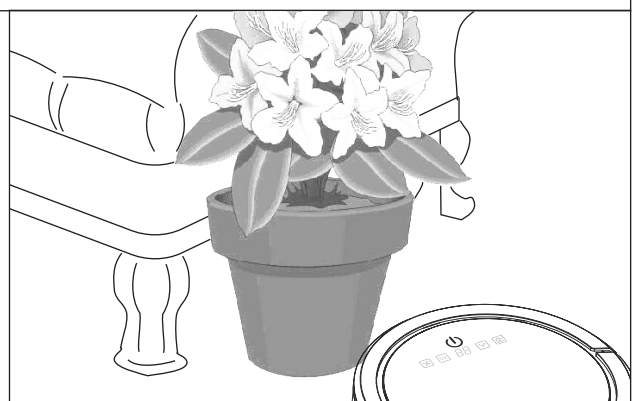| Symptom	Cause	Solution
Error message	Sensor malfunction or system jammed	Check the previous error message section for correct action
The Robot cannot power on	The battery is not installed or installed incorrectly	Check if the battery is still in good condition and installed correctly
Remote control malfunction	1.The transparent film is not taken off 2.The battery is not correctly installed or the battery strength is too low	1.Tear off the transparent film 2.Check the installation of the battery or replace the battery
The robot fails to return to the Recharging Home Base	1.The Recharging Home Base is not properly placed 2.There are obstacles between the Recharging Home Base and the Robot 3.The robot is stuck or jammed	1.Place the Recharging Home Base at a proper location and leave the Recharging Home Base with sufficient clearance space for the Robot to return 2.Remove any obstacles in front of the Recharging Home Base. 3.Check and clean the Robot's wheel system
The Robot cannot be recharged	1.AC power is not plugged in. 2.The Robot is not correctly docked at the Recharging Home Base. 3.The battery is over-heated	1.Plug the AC jacket onto the Recharging Home Base firmly. 2.When the robot is docked at the Recharging Home Base, manually make sure the Robot is properly placed. 3.Do not use the battery for at least 60 minutes until it is completely cooled down.
Rolling brush or side brush do not work	Brushes get stuck by debris or hair	Clean brushes completely
The Robot does not start cleaning after it is fully recharged	1. The "Auto" function is not set correctly. 2. The battery is over-heated	1.Check the schedule setting section and re-set the "Auto" function correctly. 2. Do not use the battery for at least 60 minutes until it is completely cooled down.
The Robot keeps moving backward or turning around	Cliff sensors are blocked or covered by dust	Wipe all sensors with a dry,clean cloth.

Warranty Policy

General Specification	
Diameter	33cm
Height	8cm
Weight	about 3.7KG
Dust Box capacity (litres)	0.4 liter
Noise	Max.65dB
Speed	21.5~23.5 cm/sec
Power consumption	25W
Remote controller type	IR
Cleaning	
Suction Power	5.0m/sec 1200pa
Sweep capacity	Rubbish size L: 5cm , Section : 0.8cm²
Battery	
Battery Type	Li-ion 3350mAH
Charging Time	about 3hrs
Running Time	120minutes

Sensor Type	
Crawling up ability	1.5cm Max.
Non-colliding-sensor detected height	Min. 5.5cm
Non-colliding-sensor detected width	"45° in ahead >6.5cm : other>2.5cm"
Non-colliding-sensor detected distance	<5cm
Coverage	
Room coverage	4.8m*4m in 15min.
Accessories included	
Charger type	Adaptor 20VDC 1000mA Constant Current
Additional Features	
Charger type	Adaptor 20VDC 1000mA Constant Current
Soild Deodorizer	Deodorizer slot
Floor Types Suitable	
Hard Wood	Yes
Tiles	Yes
Linoleum	Yes
Carpet	Carpet hair not longer 1cm
Warranty	
Battery Life	Min.500 charging cycles or half year
Warranty limitations	18 months for main unit

Customer Care

BlitzWolf are dedicated to create well designed, well styled and well made technology products that suit your needs and your lifestyle. More information about BlitzWolf XRC-600 vacuum cleaner or warranty claims can be found in our website(www.blitzwolf.com). If you can't find what you are looking for in our support section send us a message, we are looking forward to hearing from you and reply to all messages within 24 hours during the working week.

Please send questions, comments and concerns to our customer care service department at ___support@blitzwolf.com___

More Configuration Note :

Wifi Configuration Full Instruction :

1. Long Press "VAC" button, Hear "Bi~" And There is a 12 Shows in the Middle.
2. Turn Off the Cleaner by Press The ON/OFF Switch Near The Right Wheel.
3. Turn On the Cleaner by Press The ON/OFF Switch Near The Right Wheel Again.
4. Long Press "Soft-Touch", Hear "Bi~" And There is a "Cd" Shows in the Middle.
   (That Means it is in the Wifi Mode Now.)
5. Open APP, Click +, And then Click "Wifi Setting". (Ignore Add Manually Button Now,
   It is Only Available After Your Cleaner Login Your Wifi.)
6. Press "Next" to Skip The Instruction, (It is Step4), Enter Your Wifi and Password,
   Waiting Configuration, Usually Will Successfully Paired to Your Wifi in Half Min.
   If Not, Check Our Notes123 Below, and Turn Back to Step 1 Try Again.
7. After Configuration, Click the Device on The List. And It Will Shows : Logining In.
8. After Login, You Can Remote Control Your Cleaner From Both Wifi or Phone Data Now.

> Note :
> 1. Please Be Aware that The Router Should be On 2.4G but Not 5G etc.
> 2. If You Got 2 or More Router in Your House, Please Only
>   Connect it To the Main One.
> 3. If You Can't Finish the Configuration, Please Check if Your Wifi
>   Password Contain a Special Symbol or Too Long.

How to pair with the charging station :

1. Please turn on the device. During standby mode, hold the "UV" button until
   you hear a sound "Beep, Beep".
2. Keep pressing the "UV" button until "Beep, Beep" comes agian.
3. When the displays shows "Cd" and all the indication lights are off,
   it means the device can start the interconnection match.
4. Keep the recharging base be in charging state.
5. Keeo pressing the "Time" button on the top right corner of the recharging base
   until you hear the "Beep, Beep".
6. Turn off the device.

How to pair with the virtual wall :

1. Make sure the displays shows "Cd" and the virtual wall is on.
2. Insert into the pinhole on the reverse sidr of the virtual wall with a pin,
   so that reset it into pair mode.
3. It means successful when you hear "Beep beep" and the soft-touch botton light is on.
4. Turn off the device.

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