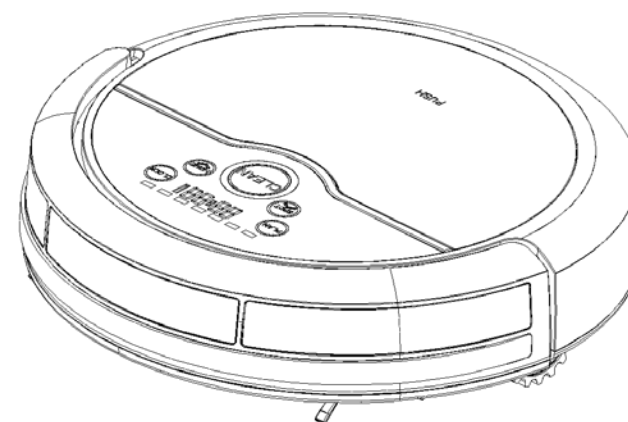




**BRD600**  
**Intelligent Cleaner**  
**Operating Manual**



**Hotline** (9:00-17:00 every day)  
**86-0755-29168362**

★ This information is subject to material object, we reserve the right to update products.  
If there is a change, without notice.

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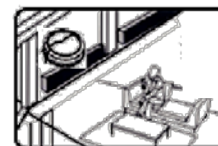
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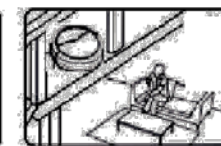
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## 1. Safety instruction

Set up  
Guardrail



No  
Guardrail



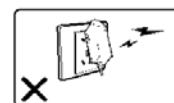
It is strictly prohibited that the product is used in a high altitude environment. In order to avoid minimum probability of falling caused by external complicated factors, the product is strictly prohibited on the premise of no guardrail.

### 1.1 About the manual

Before using the product, please conform to the basic safety precautions as follows:

- Read the content in the manual carefully and use the product according to the detailed instructions.
- Take good care of the manual for future reference.
- If you transfer the product to another person, please, attach the manual.
- Any inconsistent operation with the manual would probably cause serious damage to both human beings and the machine itself.
- The picture above is for reference only, different models vary slightly.

### 1.2 About the power supply for the product



- A set of lithium batteries are used inside the product, which are equipped with the factory-provided charging station.
- Please double check the marked supply voltage on the charging station nameplate and make sure it conforms with the specified voltage.
- Don't use the damaged power cord or plug. Please contact our after-sales service department or find our authorized supplier to maintain.
- Don't drag the charging station via pulling its power cord. Don't twist, screw and wring the power cord excessively.
- Keep wet hands away from the power plug or the product.
- Don't let the power cord touch hot or sharp surfaces.
- Pull the power plug out of the socket when the charging station is not in use for a long time.
- Use dry cloth to wipe the dust on the plug frequently.

## 1. Safety instruction

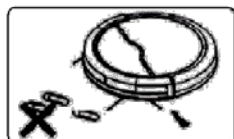
### 1.3 About the applicable scope of the product



#### Applicable Scope:

The cleaner is applicable to indoor sweeping, including wooden floors, rubber floors, ceramic tiles, short-haired carpets, etc.

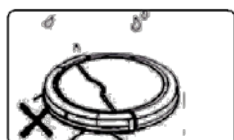
#### Inapplicable Scope:



- Don't use the cleaner in the outdoor, commercial or industrial sites.



- Don't use the cleaner in the humid environment or in the surroundings with flammable liquid, for example, on the wet floor, in the bathroom, or in the surroundings with petrol, liquid detergent and chemical liquid, etc. The substances would make the interior of the cleaner wet, which may cause a short circuit.



- Don't use the cleaner to suck the trash of interior decoration and sharp objects, such as the dust generated in the process of decoration, glass fragments, etc. These objects would jam the cleaner, which may damage the cleaner.



- Don't use the cleaner in the open flame environment, such as burning cigarette butts or matches.
- Don't use the cleaner to suck the toner of laser printers and copiers. The substance would cause a fire.
- Don't use the cleaner in the high-altitude environment or on the stairs on the premise of no guardrail.
- Don't use the cleaner in the extreme hot or cold conditions.

## 1. Safety instruction

### 1.4 Attentions before cleaning



- Take extra care of the cleaner when it works at the first time. Please remove the obstacles when they are beyond the cleaner's reach. Try to avoid the situation that the cleaner stops cleaning.



- Take precautions to solve the problem which may make the cleaning in trouble, such as:

- Keep the objects which are only to be knocked over in a safe place.
- Try not to make the tablecloth and curtain touch the ground.
- Turn over the raw edges of carpets.
- The objects with open flames should be cut off from the fire source.
- Sort out tangled power cords and movable obstacles on the floor.
- Pick up the scattered newspapers, books and other large pieces of paper on the ground.



- Check whether the main brush and the dust bin are correctly fixed inside the cleaner before cleaning.



- See if the sensors are wiped clean.



- If only one single room needs to be cleaned please close the door.
- If the stand bars of furniture like sofas and beds are shorter, it is difficult for the cleaner to enter and clean. Please lengthen the stand bars so that the cleaner can enter.
- When the cleaner is working, for fear of personal damage such as stumbling, please let everyone in the room know the cleaner is at work.

## 1. Safety instruction

### 1.5 About children safety



- The cleaner is not intended for using by children and mentally disabled persons unless they have been given supervision or instruction.
- Take good care of the cleaner and keep it out of reach of children and mentally disabled persons.
- Do not take the cleaner as a toy. Close attention should be paid to children or pets around when the cleaner is at work.
- The plastic package may bring danger of asphyxia and is supposed to keep away from children.

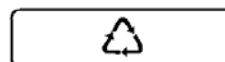


### 1.6 Battery replacement and disposal

- If you want to replace the batteries inside the cleaner, please contact our after-sales service department. If you use the wrong batteries, they may cause explosions.
- There is potential danger if you use other producer's battery and charging station. For this reason, the damage to the cleaner is not within the warranty.
- Please dispose the spent batteries inside the cleaner properly, because there are hazardous substances which may pollute the environment in the batteries. Conform with local environmental legislation and dispose them at the specified recycle bin.

## 1. Safety instruction

### 1.7 About the packing materials



- Don't take the packing materials as domestic garbage and discard them freely.
- Please deliver the packing materials to the proper recycle bin for recycling.

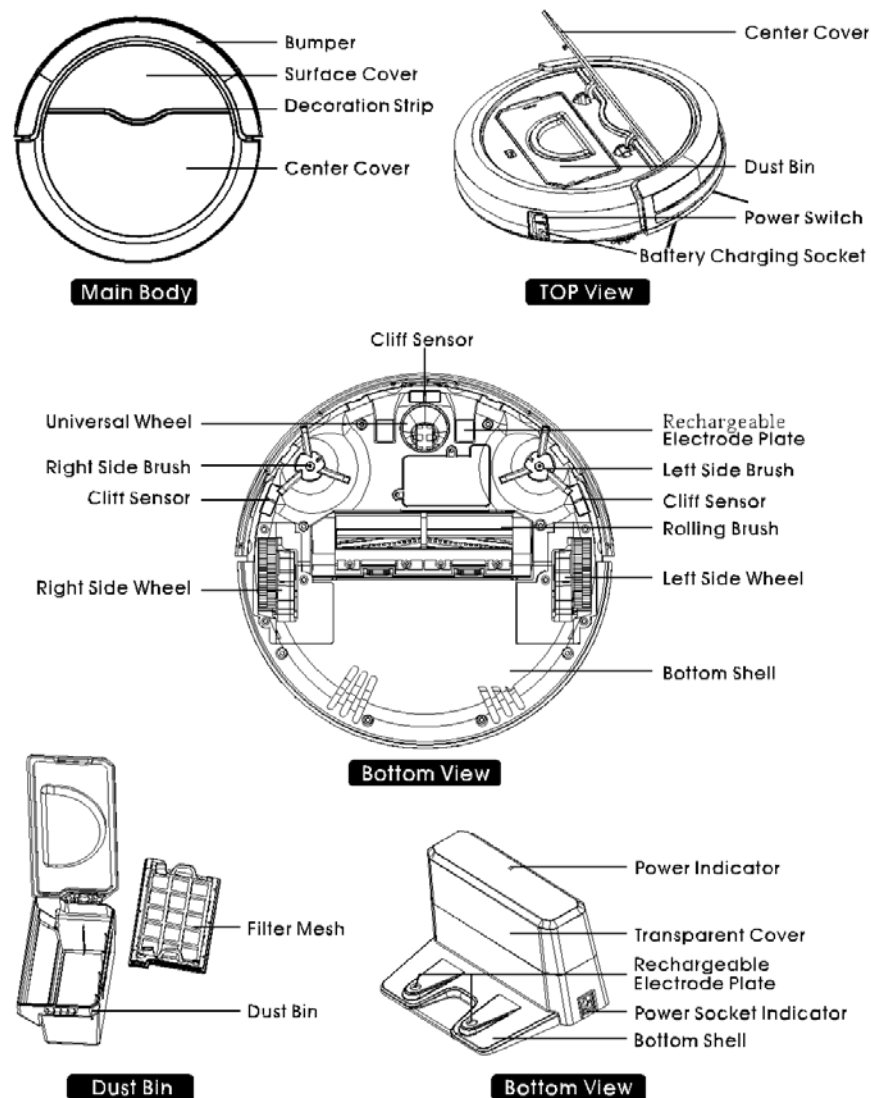
### 1.8 When the product is in failure

**Consulting Service  
Hotline**  
**86-0755-29168362**  
(9:00-17:30 every week)

- Do not repair or disassemble the cleaner when there is damage of the power cord or failures of the main body and other accessories for fear of possible personal injuries.
- Please contact our after-sales service department or our designated maintenance organization for professional repairs.

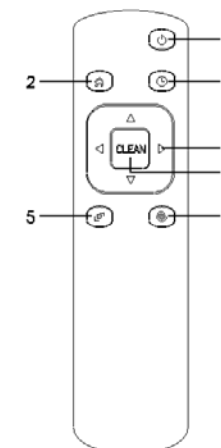
## 2. Components of the product

### 2.1 Part name



## 2. Components of the product

1. "⏸" Pause
2. "🏠" Automatic Recharging
3. "🕒" Timing
4. "🎯" Spot Cleaning
5. "🧹" Edge Cleaning
6. "📶" Direction
  - "^" Forward
  - "v" Back
  - "<" Turn Left
  - ">" Turn Right
7. "CLEAN" Automatic Cleaning



### Remote Control

- You can use the remote control like using a TV remote control, and make sure that the cleaner is on before using the remote control.
- You can operate the cleaner via buttons on the remote control, such as spot cleaning, edge cleaning, timing function and automatic recharging function.

### 2.2 Technical parameter

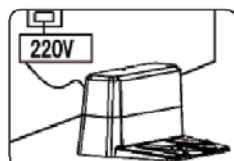
Function Parameter	Model Number BRD600
Working Voltage Of The Cleaner ( V )	14.4V
Rated Power Of The Cleaner ( W )	24W
Output Voltage Of The Charging Station ( V )	24V
Rated Output Current Of The Charging Station ( mA )	500mA

**Remark:** The storage temperature for the machine is between -20°C and 50°C .  
In view of continual improvements in the product, the company reserves the rights of changing and interpreting on the technology and design which are applied to the product.

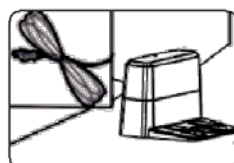


### 3. Recharging and storage of the product

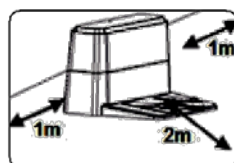
#### 3.1 The placement of the charging station



- The charging station should be placed against the wall. Connect the output terminal of the adapter with the socket of the charging station, and the plug of the adapter is connected with the socket on the wall.

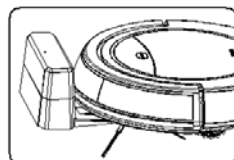


- Place the power cord of the adapter along the wall or hang it up on the hook, in case that the cleaner would get impeded when it turns back.



- Remove all obstacles which are within 2 meters from the charging station in the front and 1 meter on the left and right.

#### 3.2 Automatic Recharging



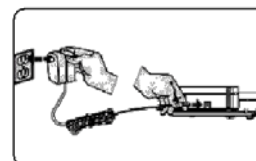
- When the cleaner is in selection mode, press the automatic recharging key on the control panel or the remote control to make the cleaner go back automatically and recharge the batteries.

- When the cleaner finishes cleaning or there is low quantity of electricity, it would seek the charging station for charging.

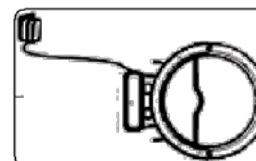
**Attention:** Please switch on the charging station, or the cleaner can not find it for charging.

### 3. Recharging and storage of the product

#### 3.3 Manual Recharging



- Connect the output terminal of the adapter with the socket of the cleaner, and then plug the other end of the adapter into the wall socket.
- Stir the switch at the side of the cleaner to ON end, then the display screen flashes and enters into selection mode. (If you don't operate the cleaner within 20 seconds, the cleaner will go into sleep mode.)



**Attention:** Make sure that the switch at the side of the cleaner is at on end, or it can't work.

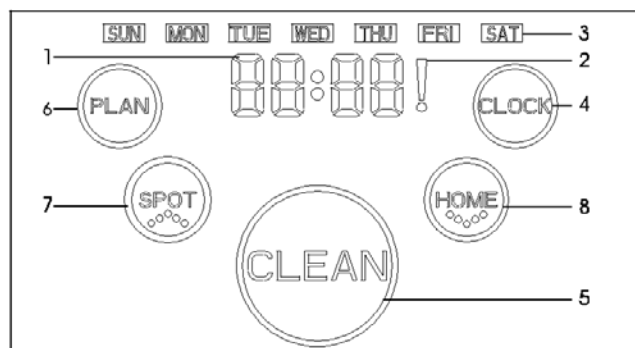
**Caution:** Before charging for the cleaner, ensure that the switch at the side of the cleaner is at ON end, or the batteries in it can't be charged.

#### 3.4 Storage

Place the cleaner in the charging station and stir the switch at the side of the cleaner to OFF end when the cleaner is not in use.

## 4. The operation of the product

Display Screen



### Display Part

1. Time setting, cleaning status, charging status, error code, etc
2. The alarm
3. Day of week

### Key Part

#### 4. "CLOCK" Clock Key

#### 5. "CLEAN" Cleaning Key

- A. Under selection mode, press the key to start up the cleaner to clean.
- B. Under timing mode, press the key to save settings

#### 6. "PLAN" Timing Cleaning Key

#### 7. "SPOT" Spot Cleaning/Increase Key

- A. Under selection mode, press the key to make the cleaner start intensive spiral cleaning.
- B. Under timing mode, press the key to increase the number of hours and minutes.

#### 8. "HOME" Automatic Recharging/Decrease Key

- A. Under selection mode, press the key to make the cleaner return to the charging station automatically.
- B. Under timing mode, press the key to decrease the number of hours and minutes.

## 4. The operation of the product

- Make sure that the switch at the side of the cleaner is at ON end.
- Press the cleaning key on the control panel or the remote control to make the cleaner start to work.

**Attention:** When the cleaner is in sleep mode, press the cleaning key to make the cleaner switch from the sleep mode to the selection mode, then press the cleaning key again, the cleaner will start to work.

Pause refers to switching from working mode to any other mode. The following operations can make the cleaner stop working.

- Press any key on the control panel.
- Press the cleaning key on the control panel.

**Attention:** When the cleaner is in a pause, you can reset the cleaner.

Sleep mode means that the cleaner is inactive and the display screen does not shine.

- If you don't operate the cleaner within 20 seconds, the cleaner will go into sleep mode automatically.
- Long press the cleaning key on the control panel for 3 seconds, and then the cleaner will go into sleep mode.

**Attention:** When the cleaner is not in use for a long time, turn off it, please!

All operating activities on time setting should be done in standby mode. (The power switch at the side of the cleaner is in ON end, and all key indicators flash slowly.) The current time on the cleaner should be set before timing.

**Attention:**  
Under timing cleaning mode, there are indication sounds in all operating activities.



## 4. The operation of the product

### Current Time Setting

1. Long press "CLOCK" (around 5 seconds), set the current time at the sound of the beep.
2. "SPOT" stands for increasing, "HOME" stands for decreasing..
3. "CLOCK" stands for switching between "hour" and "minute".
4. "CLEAN" stands for saving the setting and exiting the setting mode.

### Appointed Time Setting

1. Press "PLAN" momentarily, then the cleaner goes into timing mode.  
Press "PLAN" momentarily the second time, then you can set the appointed time.
2. "SPOT" stands for increasing, "HOME" stands for decreasing.
3. "CLOCK" stands for switching between "hour" and "minute".
4. "CLEAN" stands for saving the setting and exiting the setting mode.

For example:

The appointed time is 22:35 pm, Wednesday,  
the time displayed on the screen should be:



### Appointed Time Setting On The Remote Control

1. First press "CLEAN" to wake up the cleaner, and then press "L", then "00:00" (the left part of "00" on the display screen) begins to flash.
2. Press "▲" to adjust the number of hours and the number of minutes.
3. Press "◀▶" to switch between "hour" and "minute".
4. Press "L" to switch among the days of the week (from Monday to Sunday).
5. Press "CLEAN" to save the appointed time.

If you want to cancel the appointed time, please switch the figures (from Monday to Sunday) to "00:00" under timing cleaning mode.

## 4. The operation of the product

### Other Function

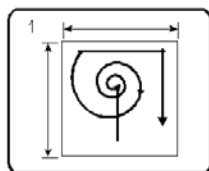
Other Function	Operation Method
Displaying the current time on the cleaner	Press "CLOCK" momentarily
Canceling all timing	Long press "PLAN" (around 5 seconds), wait until the screen displays "00:00". It indicates that the operation is successful.
Canceling one-day timing	In the timing interface for the day, long press "PLAN", wait until the screen displays "00:00". It indicates that the operation is successful.

## 5. Cleaning mode

### Attention:

Before the cleaner carries out its cleaning each time, make sure that the dustbin has been put into the cleaner.

### 5.1 Automatic cleaning mode

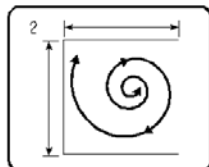


Under this mode, the machine cleans the room automatically, and it can switch from the automatic cleaning mode to any other mode by itself according to different ground conditions.

### Attention:

Press the cleaning key on the control panel or the remote control, then the cleaner starts to clean

### 5.2 Spot cleaning mode

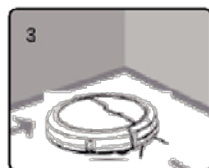


Place the cleaner beside the area which needs spot cleaning, and start the cleaner to do the cleaning.

### Attention:

- Place the cleaner beside the area which needs spot cleaning, press the spot cleaning key to make the cleaner to do the cleaning, and press the cleaning key on the remote control to end the spot cleaning.
- If the cleaner is set in spot cleaning mode manually, this mode ends automatically when the “major disaster area” has been cleaned. Once the spot cleaning ends, the cleaner will go into selection mode automatically.

### 5.3 Edge cleaning mode



When the cleaner detects objects, it is possible for the cleaner to go into edge cleaning mode. Under this mode, the cleaner would run along the object and clean the edge of the object with its side brushes.

### Attention:

Place the cleaner against the wall, press the edge cleaning key on the remote control to make the cleaner go into edge cleaning mode, and press “CLEAN” key to make the cleaner end the edge cleaning.

## 6. Maintenance

### 6.1 Dust bin and filter mesh cleaning

### Attention:

When the cleaner is lifted up from the ground, please pay special attention to keeping the front bumper uppermost.

- Press “push” icon on the center cover to open the center cover.
- Take out the dustbin.
- Open the dustbin lid and remove the primary filter mesh to empty the garbage, or you don't have to remove the filter mesh, empty the garbage from the side directly.
- Empty the garbage in the dustbin, and tap the top-grade filter mesh gently to get rid of the dust.

### Attention:

Don't remove the top-grade filter mesh from the dustbin frequently. Clean it with the cleaning tool. Don't wash it in the water. Replace it with a new top-grade filter mesh after it has been used for 3 or 4 months.

- If needed, the dustbin can be cleaned in the water, the filter mesh can be cleaned with the cleaning tool.
- Put the primary filter mesh back to the dustbin.

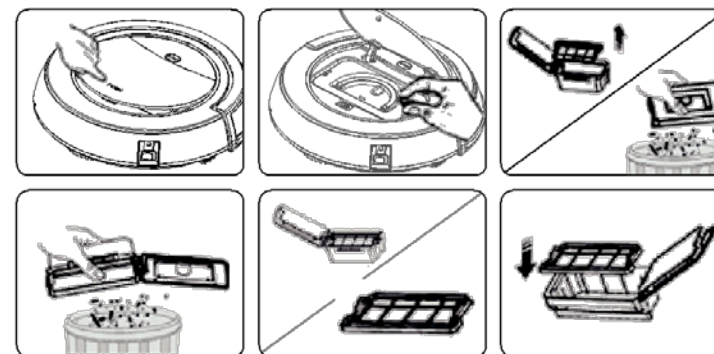
### Attention:

Before putting the filter mesh back to the dustbin, ensure that the filter mesh is completely dry. Don't expose the primary filter mesh and the top-grade filter mesh to the sun.

- Close the dustbin lid and put the dustbin back into the cleaner.

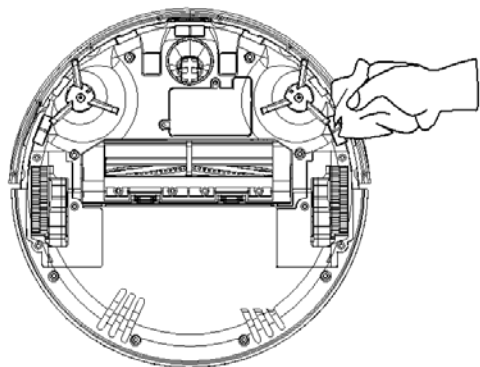
### Attention:

Both the primary filter mesh and the top-grade filter mesh are replaceable accessories.



## 6. Maintenance

### 6.2 Sensor and rechargeable electrode plate cleaning



Wipe the sensors and the rechargeable electrode plates with the cleaning tool and soft cloth, as shown in the picture.

#### Warning:

The cliff sensor needs to be kept clean. Clean it regularly, otherwise, the cleaner may move backwards during its work, and the display screen will display “E04” .

### 6.3 Side brush cleaning

- Check the side brush condition, inspect whether it is destroyed or some foreign objects adhere to it.
- Clean the side brush with the cleaning tool or duster cloth.
- Please replace the side brush promptly when it is destroyed.
- Please loosen the screws with a screwdriver, and take out the damaged side brush.
- Slot the new side brush into the screw groove.
- Tighten the screws.

#### Attention:

It is necessary for the charging station to clean the rechargeable electrode plate promptly when there are foreign objects on it.

## 7. Troubleshooting

Error Code	Failure Cause	Solution
E01	The left side wheel is abnormal	Check whether there are foreign objects
E02	The right side wheel is abnormal	Check whether there are foreign objects
E03	The left side brush is abnormal	Check whether there are foreign objects
E04	The right side brush is abnormal	Check whether there are foreign objects
E05	The rolling brush is abnormal	Check whether there are foreign objects
E06	Internal fan is abnormal	Remove the foreign objects on it
E07	The cleaner is dangled	Put the cleaner back to the ground, reselect the work mode
E08	The obstacle-detecting sensor is in a failure	Examine the sensitivity of the front bumper and check whether some foreign objects jam it
E09	The ground-detecting sensor is in a failure	Clean up the ground-detecting sensor
E10	Overvoltage of the battery	Pull out the external charger
E12	The dust opening is in a failure	Clean the dust opening
E13	Other errors	Restart the cleaner

#### Tips:

If the failure still exists after using the above solution, please take the following measures:

- Turn on the power switch at the side of the cleaner again, restart the cleaner.
- If the failure still exists after restarting the cleaner, please send the cleaner to after-sales service center to maintain.

#### Caution:

The ground-detecting sensor needs to be kept clean. Clean it regularly, otherwise, the cleaner may move backwards during its work, and the display screen will display “E09”.

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## 8. Solutions to other problems

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**1. The cleaner moves backwards continuously, turns left or turns right after starting up the cleaner:**

- The ground-detecting sensor is too dirty. Clean up the ground-detecting sensor.
- The front bumper is in a failure. Press the left side, the middle and the right side of the front bumper, and see whether it can bounce, if not, there is a fault in the machine itself.

**2. The cleaner can't be recharged:**

- Check whether the electricity goes off while recharging.
- The connection between the cleaner and the rechargeable electrode plate on the charging station is bad.
- After the cleaner is fully recharged, the power for the charging station is cut off, however, the power switch at the side of the cleaner is not turned off, so the electricity is consumed and the quantity of electricity is insufficient.

**3. When the cleaner is in a state of cleaning, the noise strengthens, the cleaning ability weakens, the working time shortens:**

- Check whether the foreign objects block the suction inlet of the rolling brush and clear up the suction inlet.
- Check whether the driving wheel is tangled by the foreign objects and make it unable to work.

**4. The garbage spills from the cleaner while the cleaner is at work:**

Check whether the rolling brush is not cleaned up for a long time, as it is covered with much hair and dust.

**5. Does it matter to keep the cleaner on the charging station when not using it?**

Yes. The cleaner will transfer to small current charging mode. Please avoid being operated improperly by children.

**6. Is it dangerous to touch the electrode plate on the charging station?**

No. The maximum output DC voltage between two electrodes is safe.

**7. What should we do if the cleaner sucked liquid?**

- ① Turn off the power switch at the side of the cleaner immediately and take out the dustbin, then clean up it and wipe it dry. ② Draw out the filter mesh and wipe it and dry it naturally. ③ Take out the rolling brush and clean it, then use cloth, soft and dry, to wipe the rolling brush and the cleaner's interior. Wait until the rolling brush is dry and place it back. ④ Let the cleaner dry by itself, make sure the circuit board is dry and then restart the cleaner.
- If the procedures above still do not make it work, please contact our after-sales service personnel.

**8. The display screen cleaning:**

In order to remove fingerprints or other stains, you can wipe the display screen gently with a dry cloth. Don't wipe it vigorously!

changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

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This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.