Please read this instruction carefully before using
Please comply with the safety precautions below:

These safety precautions are for the purpose of avoiding personal injury and property damage. Please read the following terms carefully. The meanings of the Symbols are listed below:

<table>
<thead>
<tr>
<th>Caution</th>
<th>Attention</th>
</tr>
</thead>
<tbody>
<tr>
<td>Violation may cause personal injury.</td>
<td>Violation may cause machinery damage.</td>
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</tbody>
</table>

No person should disassemble, modify or service the product except the maintenance technicians designated by our company. Failure to comply may result in fire, electric shock or personal injury.

Caution:
- Only use the charger designed for the Robot.
  Do not use any other charger, or it may cause product damage, electric shock or fire, due to the high voltage.
- Do not touch high-voltage power cord of the electric appliance with wet hands, or it may cause electric shock.
- Do not place your clothes or any part of your body (head, finger etc.) into the brush or wheel of robot, or it may cause personal injury.
- Do not insert the charger in the socket of charging dock while the cleaner is operating.

Attention:
- Ensure power is turned off while transporting or storing the cleaner for long periods, or it may damage the battery.
- Insert the charger power cord correctly or it may cause electric shock, short circuit, smoke or fire.
- Check the charger and unit are connected correctly, or it may cause charging failure or fire.
- Remove all easily damaged objects (including luminous objects, fabrics, glass bottles etc.) before using, or it may cause damage to these objects, or affect the use of the cleaner.
- Please use the cleaner cautiously in the presence of children to avoid fear or injuries.
- Do not stand or sit on the cleaner, or it may cause damage to the cleaner, or personal injury.
- Ensure the cleaner does not take in water or other liquids so as to avoid product damage.
- Do not use the cleaner on small tables, chairs or other small spaces, or the cleaner may be damaged.
- Do not use the cleaner outdoors, or it may cause the product to be damaged.
- Do not use the cleaner in commercial places, or it may be damaged due to excessive use.
- Keep away from cigarettes, lighters, matches and other heat objects or combustible materials such as gasoline cleaners.
- Do not step on the power cord while the cleaner is working, or it may cause electric shock.

Note: Use the cleaner in a well-ventilated room. Do not use the cleaner in a draughty or poorly ventilated room.
Product Components

Main body  Space isolator  Charging dock  Remote control  Charge adapter

(model DC113-10 only)

Side brush  Cleaning brush  Instructions  Mop

Detailed Parts

- Top of main body

Dust box  Button  Infrared signal receiver  Front bumper  Auto-charging electrode

Auto-charging  model DC113-10 only  Auto-cleaning

SPEED  AUTO

Speed adjustment  Indication of buttons
Detailed Parts

- **Bottom of main body**

Ground detection sensor  
Side brush  
Main brush  
Right wheel  
Power switch  
DC socket  
Universal wheel  
Left wheel  
Battery cover  
Air outlet

**Charging dock - model DC113-10 only**

FULL GO button  
Infrared signal sender  
Charging indicator  
Auto-cleaning indicator  
Charge adaptor socket  
Charge electrode

**Remote control**

Dust absorption  
Leftward  
Backward  
Auto-charging  
Indicator  
Forward  
Rightward  
Auto-cleaning  
Speed adjustment

**Space isolator**

Infrared signal sender  
Power indicator  
Distance selector  
Power switch
Applicable Environments

1) Wood floor.
2) Tile floor and cement floor.
3) Short-pile carpet (less than 10mm thick)

⚠️ Attention ⚠️ Please remove the side brush before using the robot on short-pile carpet in order to avoid damage.

Before Cleaning

Manual charging

1) You can choose to charge the robot with the adaptor directly, refer to P1-1
2) While charging, the power indicator will flicker continuously with green light.
3) When charging is complete, the power indicator will illuminate continuously with green light.

⚠️ Attention ⚠️

1 Charge the robot manually for 6 hours before the first use.
2 Charge the robot manually when the battery runs out completely.

High voltage! Electrical hazard!
Please dry your hands before using.

P1-1
Charging Dock
1) Affix the charging dock to the wall and ensure there is free space with no obstacles. (a. in front, refer to P1-2)
2) Insert the output terminal of the adaptor to the DC socket of charging dock, (a. refer to P1-3.)
3) Please place the power cord along the wall.

High voltage! Electric hazard! Please dry your hands before using.

P1-2

P1-3

1. Remove the battery before storing the robot.
2. Switch off the power before removing the battery.
3. Recycle the used battery

Auto-charging - model DC113-10 only

1) Rather than manual charge, the robot can also charge automatically, refer to P1-4.
2) When the battery is low, power indicator will display a red light and robot will search the charging dock automatically.
3) Within the infrared area, robot can receive the signal and connect with charging dock automatically.
1) Please do not press any button on the robot during charging, refer to P1-3.

2) Please charge the robot manually for 6 hours each time, for the first three chargers. After this, you can choose the auto-charging method with 4 hour charging time.

3) Please do not operate the robot with remote control while charging. This is to avoid battery life being reduced due to the memory of robot operating with charging incomplete.

4) If set to FULL GO function while charging, the robot will restart to work in auto cleaning mode after charging is complete.

5) Please manual charge the robot with adaptor if the battery is too low, in order to start auto-charging function, refer to P1-3.
Usage

Start cleaning

1) Switch on the power to start, refer to P2-1.
2) Choose "AUTO" button on the main body or remote control, refer to P2-2.
3) The robot will then start automatically cleaning.

Press the "SPEED" button on the panel to adjust speed.

During cleaning

1. Use of panel buttons

1) "SPEED" button: Adjust speed with this button according to the room space and personal preference. (Low speed is preferable for cleaning small rooms)

Advantages of low speed:
(1) Reduce battery consumption.
(2) Relieve the force of impact when coming into contact with furniture.
2) "AUTO" button: Start the robot in auto-cleaning mode with this button. It will work until the indicator light turns to red when the battery is running low and require re-charging.

3) DC113-10 model only "DOCK" button: Use this button to make the robotic vacuum search for charging dock itself. DC113 model this isn't a feature available without the charging dock.

2. Use of remote control

1). "AUTO" key: Start the robot in auto-cleaning mode with this key. It will work until the indicator light turns to red and starts to search for the charging dock with low battery.

2). "SPEED" key: Adjust speed with this key according to the room space and personal preference. (Low speed is preferred for cleaning small rooms)

   Advantages of low speed:
   (1) Reduce battery consumption.
   (2) Relieve the force of impact when coming into contact with furniture.

3). "DOCK" key: DC113-10 model only use this key to search charging dock itself.

4). Direction keys: to control the walking direction of robot while cleaning

   "FORWARD" key: press this key to make the robot walking forward to clean, it will stop before obstacles and stairs.
   "RIGHTWARD" key: press it for a while and release until the robot turns to the right direction you desire.
   "LEFTWARD" key: press it for a while and release until the robot turns to the left direction you desire.
   "BACKWARD": press this key to make the robot move back, it will stop after released.

5). "TURBO" key: press this key to stop the main brush and side brush working. Robot will begin to work in a vacuum suction mode.

Please do not press two or more keys at the same time while using remote control.
Please use the remote control within 5m around robot. The signal scope will be different, depending on working environment.

**Auto-cleaning Function** - model DC113-10 only

Press the Auto-cleaning button "AUTO" on the charging dock. The robot will leave the dock and start to automatically clean after being full charged.
The "Charging indicator" will flicker continuously when the robot has found and successfully connected to the charging dock.
Using the Space Isolator

1. Function of space isolator

Space isolator is an accessory of the robot, which can block areas by giving out infrared signals, so as to prevent the robot entering unnecessary areas.

1). Please install battery before using the isolator, refer to P2-5. Open the bottom cover of isolator and insert 2 x AA batteries according to the polarity. Ensure this is done correctly to avoid damage to the isolator.

2). Use the toggle switch to choose the distance accurately according to your own requirements. Slide the toggle switch to the right, middle and left side, which relate to low, middle and high level distance respectively, refer to P2-4.

Low level(right) control – for a distance of 0-2m, Middle level (middle) control – for a distance of 0-4m and High level(left) control – for a distance of 0-6m.

Using the Low Level (right) control will consume less battery life than using Middle and High Level controls.
3). Press the power switch on the Isolator for 2 seconds to commence operation, the LED indicator will then flicker slowly. If the battery is low, the indicator will flicker quickly to remind you to change the battery.

4). Space Isolator works as a virtual wall by giving out infrared signals. The signal scope will form small sector areas according to the distance you choose. Switch on the power and place the isolator in the entrance of blocked area, so as to build a virtual wall and prevent the robot entering unnecessary areas.

5). Space isolator requires 2 x AA batteries. Please change batteries prior to them expiring so as to avoid damage to the isolator. Ensure correct polarity.

6). Please ensure batteries are inserted correctly, according to the label, so as to avoid damage to the space isolator, refer to P2-6.
2. **Attention**
   1). Place the isolator at a distance of 20cm beside the door, refer to P2-7.
   2). You can also position the isolator in an appropriate location to stop the robot passing through.
   3). Remove obstacles from the blocked area in front of the isolator, to assist in improving efficiency.
* Using the mop

1). Turn robot upside down and place the mop firmly to bottom of unit. refer to P2-8.

2). Place the robot on the floor and start it as normal.
3). It is advisable to firstly clean and wring the mop prior to using.

⚠️ Attention The mop is only apply to hard floor, please take off while the robot cleaning on the carpet.
Cleaning & Maintenance

Assembly & Disassembly of Dustbin

After each use, remove all the dirt, dust and hair collected in the dustbin and clean the robot.

1). Remove the dustbin by pressing the button on top with your thumb, and holding it with other fingers, refer to P3-1.
2). Pull the dustbin out slightly, refer to P3-2.
3). Insert the dustbin by pushing it emphatically, refer to P3-3.

Ensure the dustbin is inserted firmly after cleaning the robot.

Cleaning of Dustbin

1). Open the dustbin first and remove the rubbish, refer to P3-4.
2). Clean the dustbin and filter with cleaning brush, refer to P3-5.

Cleaning with water is not permitted.
Cleaning of Filter
Assembly & Cleaning
1). Pull the buckle on the right side of filter with one hand, and shift the bracket out of the dustbin in left direction, refer to P3-7.
2). Pull out the filter upward, refer to P3-8.
3). Put your fingers on the top of outlet window and pull it out emphatically, refer to P3-9.
4). Take out the sponge in the outlet window, refer to P3-10.
5). You can clean the filter and sponge with water, but remember to dry them before assembly. It is advisable to clean them every 5 days.

Assembly
1). Inlet: Firstly, insert the filter into bracket, then push the bracket into dustbin.
2). Outlet: Firstly, put the sponge into outlet window, and then insert the window to the dustbin. Press the two buckles beside to fix the window.

Assembly of Side Brush
1). Release the screw with the cross screwdriver in the main shaft of side brush, then pull the side brush out directly, refer to P3-11.

Assembly: Press the side brush against the main shaft and then fasten the screw, refer to P3-12.
Disassembly & Assembly and Cleaning of Main Brush

1. Disassembly of Main Brush
   1). Clasp the two spring buckles beside the main brush, and raise the cover, refer to P3-13.
   2). Lift up the right side of main brush and then pull it out rightward. Take out the two brushes in turn, refer to P3-14.

2. Assembly of Main Brush
   1). Hold the brush and make the quadrangular side of the shaft to the left refer to P3-15.
   2). Insert the quadrangular side of the shaft to the exact left side of upper cover, push the brush in slightly, then press the right side of shaft into exact position, showed as P3-16.
   3). Close the cover and fasten the buckle, refer to P3-16.

3. Cleaning of Main Brush
   Remove the hair and dust on brush so suction inlet can provide greater cleaning efficiency.
   1). Clean dirt with cleaning brush, refer to P3-17.
   2). Spin the main brush gently to take out hairs and wires, refer to P3-17.
Cleaning of Sensor

1. Clean the sensor with cotton swab and soft cloth.
2. The wall detection sensor is in front of the robot. The ground detection sensor is at the bottom of the robot, refer to P3-18.

Storage

Keep the robot in a ventilated and dry environment.

DC113-10 model only
## Technical Specification

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<table>
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<tbody>
<tr>
<td><strong>Model NO.</strong></td>
<td><strong>KRV208</strong></td>
</tr>
<tr>
<td><strong>Size</strong></td>
<td>Diameter: 320mm  Height: 85mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>3Kg</td>
</tr>
<tr>
<td><strong>Speed</strong></td>
<td>20cm/Sec</td>
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<tr>
<td><strong>Charging Time</strong></td>
<td>4H</td>
</tr>
<tr>
<td><strong>Working Time</strong></td>
<td>1500mAh/55mins, 1800mAh/75mins</td>
</tr>
<tr>
<td><strong>Noise</strong></td>
<td>≤ 65 dB</td>
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<tr>
<td><strong>Input Voltage</strong></td>
<td>DC 24V 1A</td>
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<tr>
<td><strong>Rated Power</strong></td>
<td>26W</td>
</tr>
<tr>
<td><strong>Operating Temperature Range</strong></td>
<td>-20°C - 50°C</td>
</tr>
<tr>
<td><strong>Battery Capacity</strong></td>
<td>1500mAh/1800mAh</td>
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