

# User Manual

## RYDIS R750



# **RYDIS R750**

## **User Manual**

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## Cautions for Safety

The instructions with the following caution marks must be carefully read and followed in order to use the product properly and to prevent accident or damage which may occur during the operation of the product.

### Meanings of caution icons

 <b>Important</b>	<p>It refers to important information, definitions, general knowledge and references.</p>
 <b>Warning</b>	<p>If you do not follow the instruction with this warning icon, a serious injury or property loss may occur.</p>
 <b>Danger</b>	<p>If you do not follow the instruction with this danger icon, a serious injury, death, or property loss may occur.</p>

## Warning

### Before using the product

- **Remove light clothes or fragile materials from the floor.**  
These matters may obstruct movement of the product or cause a breakdown of the product.
- **Remove any obstacle from the floor in the space where the product travels about.**  
The product can't travel the area which is blocked with an obstacle of certain height.
- **Do not install the product in the place under direct sunlight.**  
Direct sunlight may cause discoloration of the product.  
Adapters may cause electric shock or fire due to overheat during charging.
- **Do not install the charger on an inclined floor, and do not give an impact to the charger.**  
The charger may be damaged or broken.
- **Install the charger in a place that can be easily detected by the robot.**  
If the site is in a corner or has many obstacles around it, automatic charging is not possible.
- **Do not use the product in the room with a child or an elderly person who is left alone.**  
A child or an elderly person can be frightened or injured.
- **Make sure that the power of the charger is always supplied.**  
Otherwise, you cannot use the function of making the robot go back to the charger for automatic charging after it finishes cleaning.

## In using the product

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- **Do not stand or sit on the product.**

Movement of the product may cause an injury or the product can be damaged.

- **Do not use the product in a narrow and elevated place such as a desk.**

The product may fall down, causing an injury to people or damage to the product.

- **Make sure that no liquid enters the product.**

The product may malfunction or can be damaged.

- **If the product happens to inhale plastic bags or others, they should be immediately removed.**

If the dust intake gets clogged and the product is used for a long time with the internal motor over-heated, the product will be damaged.

- **Do not use the enclosed battery charger for charging of any other product.**

The charger or other products can be damaged.

- **Make sure that clothes, hair, fingers or other body parts are not caught by the wheels.**

An injury may occur.

- **Do not press the bumper of the product severely or give excessive shock.**

The bumper sensor can be damaged and then work abnormally.

- **Do not keep or use the product at too low or high temperature.**

Do not use the product at the temperature of  $-5^{\circ}\text{C}$  or lower or  $35^{\circ}\text{C}$  or higher.

- **Do not make the robot perform cleaning with the dust box filled with dust.**

It can cause reduction in sucking power.

- **Check if the filter is inserted into the dust box.**

If the robot gets activated with no filter, it can cause product failure.

- **Prevent the main brush and the side brush from being clogged with hairs or other foreign substances.**

It can cause noise and reduction in sucking power or damage to the product.

- **Before using the product, clear away stuffs from the floor and make arrangement nearby.**

Small dish towels, bath towels, pads, telephone lines, power cables, strings or belts can be entangled with the operating wheels or the brushes.

Make sure to remove stuffs that can be broken (ceramic wares, glass cups, etc.).

- **Do not use the product in a site whose walls or floor is made of mirror or glass.**

The obstacle sensor of the robot cleaner uses an infrared sensor and so it may not see glass or mirrors as obstacle.

- **Do not use the product in a utility room, on a wet floor, in stairs, on a table or shelf, in an underground room, a warehouse, a commercial building or the outdoors.**

- **If you have dropped the product or caused an impact to the product, contact the designated service center immediately.**

## Electrical cautions

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- **Make sure to use the specified voltage and current.**

Power supply outside the specifications ranges may cause a serious damage to the product.

- **The battery can be discharged if the product is not used for a long time.**

If the battery is fully discharged, charge it manually.

- **Do not use a damaged power cord or plug.**

You can get shocked or seriously injured.

- **If the power cord of the charger is damaged, contact the service center immediately.**

- **Make sure that the power cord is not pulled or pressed down by the door.**

The power cord can be pulled out or damaged.

- **When connecting / disconnecting the plug into / from the receptacle, make sure to hold the plug part tight, rather than to pull the cord.**

- **Do not touch the power cord with wet hands.**

You can get shocked.

- **If the product is wet, pull out the power cord, and dry up the product before use.**

An electric shock or a fire may occur. If water enters the product, contact the service center.

- **Use the enclosed charger only.**

The product may be damaged due to overvoltage, or a fire or electric shock may occur.

- **Do not bend the power cord with excessive force or place a heavy stuff on it.**

A damaged cord may cause an electric shock or a fire.

- **Do not install the charger in a place which is damp or dusty, where water splashes or where steam belches out.**

The product may malfunction, or a shock or damage of the product may occur.

- **Do not contact any metal objects such as clip and pin to the charger terminal.**

It can cause electric shock and fire.

- **For indicator power, use rated batteries and adapters.**

If not, the product can be damaged and then set afire or it may not work.

- **In case of insufficient indicator battery, replace with a new one.**

Or, indicator functions may not work normally.

## In product management

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- **Use the standard filter only.**

No warranty service will apply to any error or failure of the product caused due to a substandard filter.

- **In cleaning the product, turn the power off in advance.**

If you happen to care for the product while it is working or the power is being connected, you can get hurt.

- **Periodically clear brushes, dust box, dust box filter and dust intake.**

If the product is used for a long time with no clearing done, it can work abnormally and cause product failure.

## Others

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- **Do not operate the product in a site with inflammable substances.**

Places with alcohol, gasoline, distilled water, thinners, ashtrays with flames, candle lights and stoves in them

- **Disassembling or repairing the product must be performed by the designated service center or the authorized engineers.**

The product can be damaged or users can get shocked.

- **Do not discard the battery carelessly.**

If you put it near fire or expose it to the sun's rays for a long time, it can cause fire and explosion.

Discard used-up batteries safely according to local discarding regulations.

## Danger

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- **Do not place hot or flammable objects such as cigarette, candle, heater, match or gasoline.**

The product can be badly damaged or a fire may break out.

- **Do not use the product near an explosive object or in an explosive place.**

# Parts

- Main body
- Battery (Inserted into the main body)
- Charger
- Charger adapter
- Charger adapter power cord
- Indicator
- Indicator adapter (Optional/Not provided with the product)
- Remote control
- Battery for remote control (2 X AAA)
- 2 X Side brush
- Dustcloth guard
- 2 X Dustcloth
- Brush
- Dust box filter
- User manual



The appearance and specifications are subject to change without prior notice for better product functions or performance.



The battery, the filter, tools and dustcloths are consumables. You need separate purchase for used-up or damaged consumables to replace them. The life span of the dust box filter is around six months and it can increase/decrease depending on usage environments.



Make sure to use expendables in standard. For inquires for appropriate standards, please contact our customer care center.

## Before using the product

※ The appearance, specifications and other parts of the product are subject to change without prior notice for better features.

**01. Install the left/right side brushes in the robot cleaner.**

Turn over the robot cleaner and press the left/right side brushes to insert them. Make sure to check the groove(D) of the side brushes before inserting them.

**02. Make sure to prevent the product and the components from being shocked in opening the package.**

For product installation, see the page 14.

**03. When you open the product package, charge it manually before others.**

In initial opening, the battery may have been discharged and not work. For manual charging method, see the page 15.

**04. Clear away stuffs from the floor to be cleaned.**

Clear away objects, which might be broken or fall, from the floor. For carpets and other decorative stuffs with long tassels, they can hinder the product from moving normally. Fold the tassels or clear away the carpets.

**05. If the dust box of the robot cleaner gets filled, the cleaning performance will be worsened.**

After cleaning operation, check if the dust box is filled up. For clearing methods, see the page 33.

**06. If there are foreign substances in the location-detecting sensor and the wheels, remove them.**

Or, the robot cleaner may not move in an accurate way. For each location, see the page 34–36.

**07. Children or the old and the weak may get frightened at the robot.**

To prevent children or the old and the weak nearby from being taken aback, let them fully understand the product is being working.

**08. Be careful that the robot cleaner can fall from some sites.**

At an entrance and a place whose height is different from that of the living room, if shoes are placed at entrance, the robot might see the shoes as floor, falling from the living room. Use the product carefully in a narrow site (e.g. desks, tables, etc.) where the robot may fall.

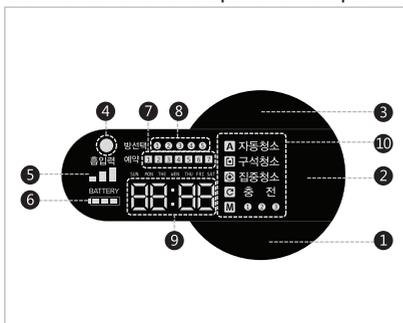
## Name of parts

### Robot cleaner(Top)



- ① Obstacle- and signal-detecting sensor
- ② Bumper
- ③ Control buttons and operation lamps

#### Control buttons and operation lamps



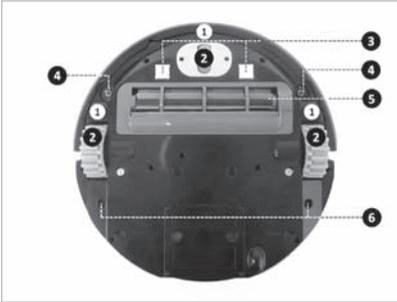
- ① Start/Stop button
- ② Mode setup button
- ③ Power button
- ④ Brightness-detecting sensor
- ⑤ Sucking power lamp
- ⑥ Battery status lamp
- ⑦ Reservation information lamp
- ⑧ Room selection lamp
- ⑨ Time lamp
- ⑩ Operation mode lamp

### Robot cleaner(Rear)



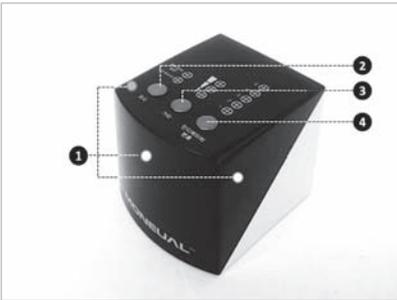
- ① Dust box
- ② Air outlet
- ③ Power switch
- ④ Adapter jack

## Robot cleaner(Bottom)



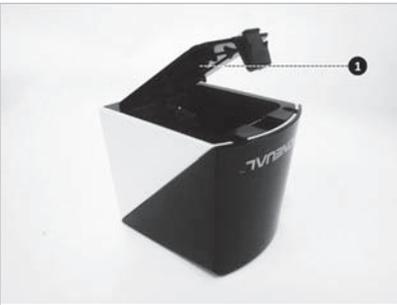
- ① Falling point-detecting sensor
- ② Wheels
- ③ Charging terminal
- ④ Side brush mounting pin
- ⑤ Dust intake
- ⑥ Dustcloth guard mounting holes

## Indicator(Top)



- ① Signal transmission sensor
- ② Mode switch button
- ③ Distance setup button
- ④ Indicator number setup button

## Indicator(Bottom)



- ① Battery cover

## Charger(Front)



- ① Operation lamp
- ② Guide signal transmission sensor
- ③ Charging terminal

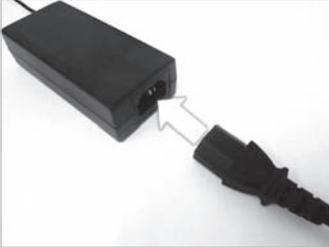
## Charger(Rear)



- ① Adapter jack
- ② Adapter compartment

## Installing Product

01. Plug the adapter power cord in the adapter and connect with the power.



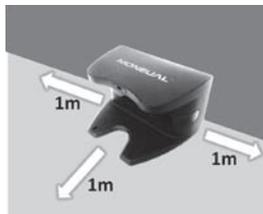
02. Connect the charger adapter with the charger.

- Once the power is connected, the blue lamp is turned on at the front.
- For appropriate charging of the product, the charger adapter should be connected with the power in any case.



03. Arrange the position of the charger.

- The charger should be distant at least 1m away from the front and side parts.
- The wall facing the rear of the charger should not be made of glass or glossy materials.
- Insert the adapter into the compartment of the charger, properly.
- If you put it in a site under direct sunlight, automatic charging may not be made or the product can be discolored/ decolorized.



#### 04. Install the dustcloth guard into the robot cleaner.

- If you do not want the dustcloth function, go to the next procedure.



#### 05. Turn on the power switch of the robot cleaner (at the left of the rear dust box).

- When you lift it to the [ ● ] position, the product gets turned on.
- Without the power switch turned on, no charging will be made.



#### 06. Put the robot cleaner in the charger with your both hands and activate manual

- Locate the robot cleaner and the charging terminal of the charger, face to face.
- The charging time can be around one (1) hour depending on the remaining battery capacity.
- After 1-hour charging, you can use the product for around one (1) hour.  
Usage time may vary depending on the strength of the sucking power.



Battery lamp 	Being charged	Blinks 1 time/sec
	Charging completed	Stops blinking
	Low battery	Blinks 4 times/sec

## 07. Insert the battery of the remote controller and the indicator.

- You need to insert the battery in a correct position following the polarity data indicated in the insertion position.



## 08. Install the indicator in a desired position.

- The product can perform cleaning, anyway, with no indicator installed.
- For detailed installation methods, see the page 27.

## Basic cleaning(automatic cleaning)

- It means essential cleaning method.
- Without the indicator installed, the product will clean all rooms whose doors are open.  
With the indicator installed, the product will clean rooms in an order according to a fixed rules.  
(See the page 27–29.)
- After cleaning of all rooms, the product will go back to the charger for charging.

### 01. Turn the power on of the main body.

Main body button	Remote controller button
	

### 02. Press the [Start/Stop] button.

Main body button	Remote controller button
	

- When you press the [Start/Stop] button after the product starts working cleaning, it stops cleaning.
- When the cleaning is stopped and you press the [Start/Stop] button, the product will resume cleaning.  
At this time, existing cleaning operation will be ignored and the automatic cleaning will be newly activated.

### 03. The automatic cleaning gets started.

- The robot cleaner moves in the “ $\square$ ” shape for cleaning.
- If an indicator signal is detected during cleaning, the product will finish cleaning of a current place and move to the place with the indicator and perform cleaning.



If the product gets equipped with a dustcloth panel, it gets ready for dustcloth cleaning and it does not go to the sites with carpets.



If there is a carpet or other objects ahead of the charger in cleaning with the dustcloth, the cleaner may fail to reach the charger.

## Using advanced cleaning functions

-  The product can perform cleaning of sites, which cannot be easily cleaned through automatic cleaning.
-  For corners and some spots where the robot cleaner cannot go, the product cannot perfectly clean them.
-  Before using the advanced cleaning functions...
  - ◆ If the robot cleaner is working or being charged, you cannot select a cleaning mode.
  - ◆ In this case, you need to press the [Start/Stop] button to stop current operation and select a cleaning mode.

### Focused cleaning

The robot cleaner can perform focused cleaning on some spots 1m away from the front/rear/sides of the body.

-  If the site has many obstacles around it, the cleaning may not be successful due to interference from them.

#### 01. Select the focused cleaning mode.

- The main body shows the [Focused cleaning] indication.

Main body button	Remote controller button
 Press the mode selection button repetitively.	

#### 02. Press the [Start/Stop] button.

- After the cleaning is completed, the product will stop at the current place.

### Cleaning corners

The product performs cleaning following the wall of a current room. After one lap is completed, it will finish cleaning.

#### 01. Select the corner-cleaning mode.

- The main body shows the [Cleaning corners] indication.

Main body button	Remote controller button
Press the mode selection button repetitively	(None)

#### 02. Press the [Start/Stop] button.

- After the cleaning is completed, the product will stop at the current place.

## Cleaning under the bed



The product can perform cleaning under the bed or other furniture.



Use the product with the room light turned on. In a dark room, the product cannot recognize the space under the bed.

### 01. Place the robot cleaner under the bed.

- Under the light, product may not perform cleaning correctly.
- Put the product in a dark space under the bed.

### 02. Select the cleaning under the bed mode.

Main body button	Remote controller button
(None)	

### 03. Press the [Start/Stop] button.

- After the cleaning is completed, the product will stop cleaning at a nearby site from where it started working.

## Selecting a room for cleaning

The product will directly move to the room where the indicator is installed to perform cleaning there. When you buy additional indicators, up to five (5) indicators can be additionally installed. This function can be activated when the indicator for assortment of rooms has been installed (See the page 27–29).

### 01. Select a room number.

- The main body shows the room number.
- If all room number lamps are turned off, it means no status has been selected (No selection status).
- In the no selection status, the product will perform cleaning in the same method as automatic cleaning.

Main body button	Remote controller button
(None)	 Every time you press the button, the number/status is changed among 1–2–3–4–5–no selection.

### 02. Press the [Start/Stop] button.

- After the cleaning is completed, the product will stop at the current place.





[Turning on/off the power – [Power] button from the remote controller]

Quickly flick the front of the remote controller upward.



[Turning on/off cleaning mode – [OK/Manual cleaning] button from the remote controller]

Move the remote controller to the left/right direction quickly.



[Adjusting the sucking power – [Sucking power] button from the remote controller]

Quickly move the remote controller downward.

### [Moving the robot straightly to the fore/back direction – [UP/DOWN] button from the remote controller]

Bend the fore part of the remote controller downward or pull it upward.



(Forward move)



(Stop)



(Backward move)

### [Controlling the rotation – [LEFT/RIGHT] button from the remote controller]

Turn the remote controller to the left/right.



(Turning counterclockwise)



(Stop the rotation)



(Turning clockwise)

05. To release the remote controller from the motion control mode, press the motion control conversion key again.



With the power being turned on, you can hear the voice announcement for the shift of the motion control mode. If the power is turned off, no announcement will be heard. Once the robot is shifted to the motion control mode, the motion control mode of the remote controller remains what state the robot may be in. Given this, it is recommended to release the motion control mode by pressing the button to convert the motion control mode if you don't want to use the motion control function.

# Setup of time and reservation

## Setting current time



The time setup is available only with the remote controller.



When you lower down the power switch of the robot cleaner, the time setup will be initialized; you need to make the setup again.

01. If the robot cleaner is working, press the [Start/Stop] button to stop it.



02. Press the [Adjust time] button.

At the robot cleaner, the 'Hour' part starts blinking.



03. Use the "Up" and "Down" direction keys to set the 'Hour' .

- After the setup, press the "Right" direction key to go to the "Minute" setup.

04. Use the "Up" and "Down" direction keys to set the 'Minute' .

- After the setup, press the "Right" direction key to go to the "Day of the week" setup.  
When you press the "Left" direction key, you can go back to the previous stage.

05. Use the "Up" and "Down" direction keys to set the 'Day of the week' .

06. When all the settings are completed, press the [OK/Manual cleaning] button.

## Setting reservation

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You can set the product to perform cleaning at a desired time for each day of the week.



At first, make “Set the current time” .  
With no time set, reserved setup will not work correctly.



The reservation is available only with the remote controller.

01. If the robot cleaner is working, press the [Start/Stop] button to stop it.

02. Press the [Reservation setup] button.

- At the main body of the robot cleaner, the ‘Reservation number’ starts blinking (The numbers 1~7 mean Monday ~ Sunday).
- Select one with the “Up” and “Down” direction keys and press the “Right” direction key to go to a next procedure.

03. When the time setup is completed, press the [OK/Manual cleaning].

- You can follow the same procedures as ones for time setup.
- When you press the [Reservation setup] button, the reservation setup will exit without the next stage appearing.

04. Repeat the steps 01~03 to set the time for each day of the week.

- For any date requiring no reservation, you can set the time as [00:00].

05. After all the settings for the day of the week are completed or if you want to go out of the setup mode, press the [Reservation setup] button.

## Setup and execution of macros

With several manual operations, you can make the robot move as you like and save the process to keep the robot follow the same move, if required.

### Setting macros



Macro setup is available only with the remote controller.



If the power switch of the robot cleaner is turned off, the setup will not be initialized.

01. If the robot cleaner is working, press the [Start/Stop] button from the remote controller to stop it.
  - If the robot cleaner is cleaning or being turned off, the macro setup will not work.
02. Press the [Macro selection] button from the remote controller.
  - A currently-selected macro number gets lit.
03. Select a macro number with the 'Left' and 'Right' direction keys.
04. Press the [Macro setup] button from the remote controller.
  - A currently-selected macro number starts blinking.
05. Adjust the robot with the 'Up,' 'Down,' 'Left' and 'Right' direction keys.
  - During the manual operation, there will be restriction on the functions of avoiding collision with obstacles or fall risk areas.
06. If you want to start cleaning during the control, press the [OK/Manual cleaning] button. Then the inhalation fan will work.
  - The inhalation fan will work while the macro function is being executed.
07. Up to 50 controls can be set for macro. If the same controls are inputted consecutively, only one count will be increased.
08. To complete the setup, press the [Start/Stop] button from the remote controller. With the voice announcement for the completed setup being heard, the macro setup will be terminated (At this time, the upper display may blink).
09. If you press the [Macro setup] button from the remote controller during the control, the macro setup will be cancelled.

## Executing macros



Macro execution is available only with the remote controller.



With no macros saved, the execution will be immediately terminated.

01. If the robot cleaner is working, press the [Start/Stop] button from the remote controller to stop it.
  - If the robot cleaner is cleaning or being turned off, the macro execution will not work.
02. Press the [Macro selection] button from the remote controller.
03. Select a macro number you want to execute, using the 'Left' and 'Right' direction keys from the remote controller.



04. Press the [Start/Stop] button from the remote controller.
 

With the voice announcement for the execution of the macro, the robot will work for itself as the saved control.

  - During the execution, a currently-selected macro number blinks.
05. After all controls saved are completed, the voice announcement for the completed execution will be heard and the execution of the macro will be terminated.
06. If an obstacle is detected during the execution, the robot will go to the next control.
07. The robot will automatically let the inhalation fan work at the time when the inhalation fan was operated during the saving work.
08. If you press the [Start/stop] button during the execution, the macro execution will be terminated.

## Using the indicator

The indicator enables you to use spaces at home in various forms depending on each zone. Using the room assortment mode or setting a cleaning area, you can make good use of the indicator.



Check the indicator battery status.

- Press any button to check if the lamp blinks; if so, it means the indicator is normally turned on.
- If the battery reaches the end of life, press the button; all the lamps will blink at the same time. In this case, you need to replace the battery.

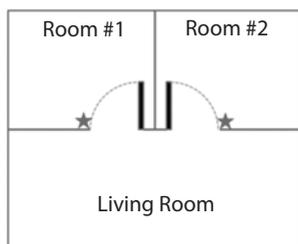
## Using the product for the room assortment mode

01. Put the rear of the indicator on the floor at the entrance of a room.

- If the indicator is put at a place 10cm or higher than the bottom, the robot cleaner may fail to identify it.
- In general, you can install the indicator at the position marked with the asterisk (★) seen in the figure below.
- Up to five (5) indicators can be installed.
- If there is a door at the place with the indicator in it, the door should stay opened as wide as possible to make the robot work with no restriction.



For other indicators except one provided by default, you need to separately buy them.



02. Press the [Mode] button to set the product in the [Indicator] mode.

- When the lamp gets turned on, repeat the pressing until the [Indicator] lamp gets turned on.

03. Press the [Distance] button to set a door width.

- Repeat the pressing until the setup is made for the door width.  
1m(●) – 3m(●●) – 5m(●●●)
- For common home, 1m setup is available.
- If you set the distance excessively, the robot cleaner may wrongly decide the path.

#### 04. Press the [Indicator number] button to set a room number.

- Every time you press the button, the lamps are turned on in the order of “1-2-3-4-5-Off” .
- When two or more indicators are installed, room numbers should not be duplicated.

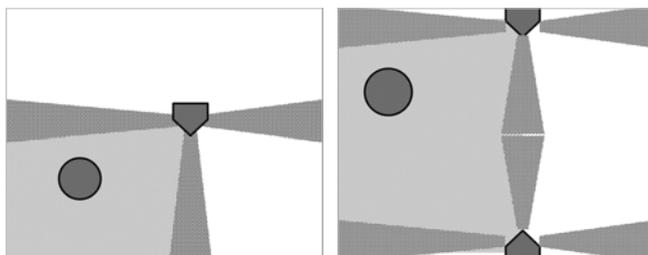
#### 05. Open the door.

- If you do not want to clean a room with the indicator in it, just close the door.

Mode	Set cleaning areas	Make limited cleaning areas (See the page 16).
	Indicator	Operate in the room assortment mode. In general, use the indicator mode.
Distance		Set the output distance for room assortment signals. Every time you press the button, the distance is shifted as follows: 1m(●) - 3m(●●) - 5m(●●●). Set to fit to the door width.
Indicator number		Set the room number. When you use 2 or more indicators, room numbers should not be duplicated.

## Using through setup of cleaning areas

- You can make the robot cleaner work within a specified space (gray area in the figure).
- In addition to the example below, you can make other spaces in various forms.
- Indicator signals are transmitted into three front/right/left directions.



- ▮ Indicator (The pointy part is the front.)
- ⋯→ Transmission signal (up to 5m)
- Robot cleaner

#### 01. Press the [Mode] button to set the [Set cleaning areas] mode.

- When the lamp gets turned on, repeat the pressing until the [Set cleaning areas] lamp is turned on.

## 02. Press the [Distance] button and adjust the distance of signals to set cleaning areas.

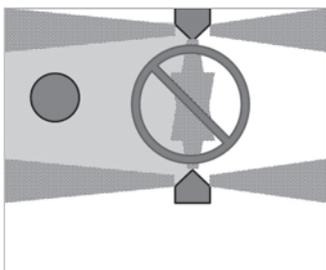
- Repeat the pressing until the distance of signals to set cleaning areas becomes a desired level.  
1m(●) – 3m(●●) – 5m(●●●)
- If the distance is set as too short or too long, the robot cleaner may decide the area wrongly.

## 03. Calculate the signal distance to arrange the indicator in an appropriate position.

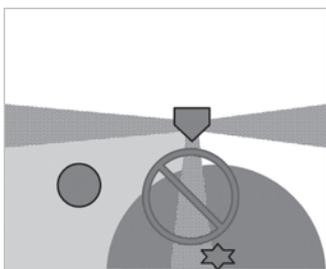
- If the signal does not reach the wall, the robot cleaner may slip through the crack.



If the emitting signals of each indicator get overlapped, no setup for cleaning area will be made. In this case, it will become as if no indicator were installed.



It is recommended not to install indicators in a place with the charger in it. The emitting signals of the charger (in the radius of 5 meters) may be overlapped with the signals of indicators, which can be ignored.



Charger



Emitting signals of the charger

## Descriptions for remote controller buttons

With the remote controller, you can use main functions and advanced functions of the robot cleaner.



Function available only with the main body of the robot cleaner  
Cleaning of corners



Functions available only with the remote controller  
Setup of current time, setup of reservation, selection of rooms, cleaning of under the bed, macro setup and selection, mute tone, adjustment of sucking power and manual move and cleaning



RF signal modules of the remote controller may cause radio wave interference depending on features of usage environments.



### ① Power button

- Turns on/off the power
- If the product operation gets stopped due to errors, the button makes the product go back to the operation mode.

### ② Charging button

- Moves the robot cleaner with the charger

### ③ Start/Stop button

- Starts selected operation
- Stops current cleaning and move

### ④ OK/Manual cleaning button

- Used for manual cleaning operation (See the page 20.)
- Acts as [Ok] key in various setup modes.

### ⑤ Direction buttons

- In manual cleaning, moves the product forward and backward and make the product rotate in the left and right directions.
- Selects setting values in setup of time and reservation

### ⑥ Room selection button

- Makes the product select a room and move there (See the page 19.)

### ⑦ Sucking power button

- Adjusts the strength of dust inhalation

### ⑧ Focused cleaning button

- Selects the focused cleaning (See the page 18.)

### ⑨ Automatic cleaning button

- Selects the automatic cleaning or the basic cleaning mode

### ⑩ Cleaning under the bed button

- Selects the cleaning under the bed (See the page 19.)

**⑪ Macro setup button**

- Starts/cancels macro setup. (See the page 25.)

**⑫ Macro selection button**

- Selects a macro number to be set or executed. (See the page 25.)

**⑬ Mute tone button**

- Turns on and off operation announcement tone

**⑭ Time adjustment button**

- Used to set current time (See the page 23.)

**⑮ Reservation setup button**

- Used to make reservation setup (See the page 23.)

**⑯ MS (motion control) button**

- Press this button to use the remote controller as motion-controlling tool (See the page 20–22).

## How to set synchronization of the remote controller



In initial use or with a newly-bought remote controller due to loss of the existing remote controller or other reasons, you need to synchronize the robot cleaner with the remote controller.

1. Turn off the power switch at the side of the main body.
2. While pressing the power switch at the upper part of the main body, turn on the power switch at the side of the main body.
  - The display of the main body will start blinking for synchronization.
3. Pull out one battery of the remote controller.
4. While pressing the OK button from the remote controller, re-insert the battery in.
  - The OK button of the remote controller will turn on and then off in red and blue in turn.
  - The synchronization will be completed in a few seconds.
  - If the main body is 3 meters or more distant from the remote controller, the synchronization will fail.
5. Turn off and then on the power switch at the side of the main body.
6. Pull out and then re-insert the battery of the remote controller.
  - The synchronization will be completed.

## Managing the product



If the robot cleaner is working, press the [Start/Stop] button – the [Power] button to turn off the power.

### Cleaning the dust box

01. Hold the dust box and remove it.



02. Lift the cover of the dust box.



03. Remove the dust filter.

- The dust filter can be water-cleaned. After cleaning the filter with water, dry it completely in the shade.
- In water-cleaning the filter, do not use any detergent.



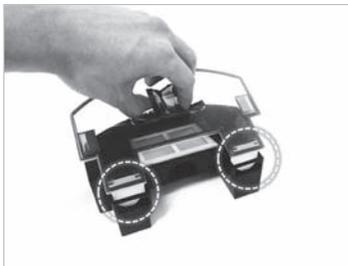
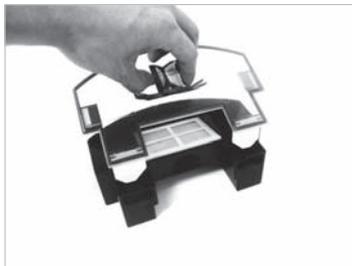
04. Empty the dust box.

05. Insert the filter back into the dust box.

- If the filter is water-cleaned, wait until it gets completely dried before insert it.

06. Insert the cover of the dust box.

- The white wings of the cover should be put into the dust box.



07. Insert the dust box back into the robot cleaner.

- When you push it smoothly, it will be naturally inserted due to the magnetic power.



## Replacing the filter

- To reuse the filter, you need to water-clean it after removing it from the dust box.



Do not use any detergent; use only water to clean it.

- For removal of the filter, see the Step 3 at the “Cleaning the dust box” .
- The life span of the filter is around six (6) months. Any end-of-life filter shows worsened performance.
- The life span of the filter can decrease depending on usage environments.

## | Cleaning the falling point-detecting sensor

---

01. Turn over the robot cleaner.
02. Clean the three spots of the sensor seen in the figure, using cotton swabs.
  - Use some water.
  - Do not directly moisten the floor or do not use benzene or alcohol.



## | Cleaning wheels

---

01. 로봇 청소기를 뒤집습니다.

01. Turn over the robot cleaner.
  - In cleaning, it is advised to use only the brush.
  - Turn one wheel a bit to clean the whole wheel part.
  - Remove hairs and other foreign substances, which disturb operation of wheels.



## Cleaning the dust intake

01. Turn over the robot cleaner.
02. Lift the cover of the dust intake.



03. Hold the fixing pin of the rubber brush and lift it to remove it.



04. Clean the removed brush with the brush.

05. Insert back the rubber brush.

- Check the groove shape and insert it into the fixing hole of the rubber brush. Then, fix the wing of the fixing pin to the fixing pin.



06. Insert the cover of the dust intake.

- Insert the protruding part of the cover before others. Then, it will be fixed due to the magnetic power.



## Battery usage and management

Batteries are consumables. The longer they are used, the shorter the usage time becomes.

### Life span of the battery

- We guarantee six (6) month in general usage environments.
- For ideal battery use, make sure that it is always charged.
- The life span of the battery can vary depending on the usage environments.

### Usage time of the battery

- In initial use, you need to manually charge the battery to fill it up before using it.
- The charging time is around one (1) hour.
- After complete charging, the product can perform cleaning operation for around one hour.
- In complex or dirty adjacent environments, the cleaning operation time may decrease.

### Replacing the battery

- Once the cleaning operation time gets considerably shortened, you need to replace the battery.
- Make sure to use standard batteries.
- For purchase of additional batteries, please contact our service center.

### Replacing the battery manually

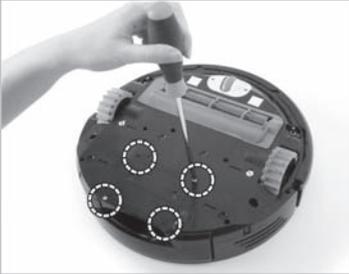
If you feel difficulty in manually replacing the battery, please contact our service center.

01. Turn over the robot cleaner.



02. Loosen the four screws of the battery cover and lift the cover.

- Once the screws are loosened, the battery cover can be immediately open when you lift it with the flathead driver.



03. Remove the battery and pull out the battery pin.

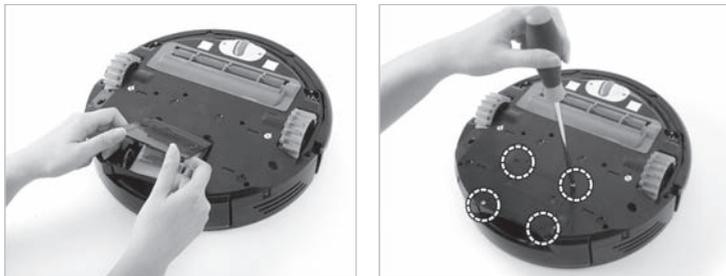
- In pulling out the battery pin, you need to press the lock at the same time.



04. Fix the battery pin of the new battery in and then insert the battery.



05. Close the battery cover and tighten the screws.



## Using the battery for a long time

- If you do not use the battery for a long time, charge it completely and separate the battery from the main body before leaving it.
- Cleaning the dust intake and the dust box frequently.  
If you use the product filled with foreign substances and dust, it can cause increase in rotation of internal motors and then shortened life span of the battery.
- Charge the battery all the time before using the product.
- In charging or long-term storage, keep the product avoid direct sunrays and fire.

## Voice announcement list

The list shows basic voice announcements, which is subject to change for users' convenience.

Voice announcement functions	
Start the automatic cleaning.	The automatic cleaning is launched.
Start the automatic cleaning of the dustcloth.	The automatic cleaning is launched with the dustcloth inserted.
Start the wall cleaning.	The corner-cleaning operation is launched.
Start the focused cleaning.	The focused cleaning is launched.
Start the cleaning under the bed.	The cleaning under the bed operation is launched.
The cleaning is completed.	The cleaning operation is completed.
The cleaning is cancelled.	The Stop button is pressed during cleaning.
Move to the charger.	The [Charging] button of the remote controller is pressed or the product is moving for automatic charging.
Start the charging.	The charging is launched.
Start the macro setup.	The macro setup is launched.
Macro No. X is set.	The macro setup is completed.
Execute the macro No. X	The macro execution is launched.
The macro is completed.	The macro execution is completed.
The time adjustment is completed.	The time setup is completed.
Move to the indicator No. X.	The product starts moving to clean a specified room.
The reservation No. X is set.	The reservation setup is completed.

Error message functions	
The battery is discharged.	The battery is discharged.
There is no dust box inserted.	The dust box is removed.
Put the product on the floor.	The robot cleaner is lifted from the floor.
Check the wheel.	Both of the wheels are lifted or overload is generated due to foreign substances.
Check the main brush.	Overload is generated due to foreign substances in the main brush.
Check the side brush.	Overload is generated due to foreign substances in the side brush.
Errors are generated.	Errors occur (See the error code).

# System error codes list



If the product stops working with error codes displayed, you can resume the operation with the [Power] button.



If you tried following the measures given below, please contact our local service center.



The announcement for faulty situations will be heard for the initial one time.

[E.01]	Reason	The battery is discharged and it cannot work.
	Measures	Charge the product manually.
[E.02]	Reason	Product operation is tried with the main body connected with the adapter.
	Measures	Disconnect the adapter from the main body before the operation.
[E.03]	Reason	Product operation is tried without the dust box inserted.
	Measures	Insert the dust box.
[E.06]	Reason	Both the wheels are lifted.
	Measures	Place the robot cleaner on the floor or lift it to another site.
[E.07]	Reason	Either or both the wheels are found to have overload.
	Measures	Lift the robot cleaner to another site.
[E.08]	Reason	The air inhalation fan is found to have overload.
	Measures	Remove foreign substances from the air inhalation holes. Remove dust from the dust box.
[E.09]	Reason	The main brush fan is found to have overload (over a reference level).
	Measures	Clean foreign substances from the main brush.
[E.10]	Reason	The side brush fan is found to have overload (over a reference level).
	Measures	Lift the robot cleaner to another site.
[E.11]	Reason	The product cannot normally move due to obstacles.
	Measures	Lift the robot cleaner to another site.
[E.12]	Reason	Too many bumper collisions are successively detected during move (over a reference level).
	Measures	Lift the robot cleaner to another site.
[E.13]	Reason	The product detects risks of fall successively (over a reference level).
	Measures	Lift the robot cleaner to another site.
[E.15]	Reason	Other errors
	Measures	Please contact our service center.

## Checkpoints before request for after-sales service

Error details	Checkpoints and actions to be taken
Q. The robot does not work.	(1) Turn on the power switch at the right bottom of the rear part. (2) Check if the battery is discharged. → Charge the robot with the charger.
Q. The robot cannot be charged.	(1) Clear away obstacles from the charger. (2) Check if the charger is turned on. (3) Turn on the power switch at the right bottom of the rear part. → If you force the robot to be charged, it may not work.
Q. The robot cannot be operated with the remote controller.	(1) Try matching with the remote controller. (2) Change the battery of the remote controller.
Q. The remote controller does not work.	(1) Change the battery.
Q. The sucking power is weak.	(1) Empty the dust box. (2) Clean the filter of the dust box. (3) Check if there are foreign substances in the intake.
Q. The robot cannot be turned on.	(1) Turn on the power switch at the right bottom of the rear part. (2) Check if the battery is discharged.
Q. The brush does not rotate.	(1) Check if there are any foreign substances around the brush. (2) Check if the brush is properly inserted.
Q. The noise gets stronger than before.	(1) Check if the filter of the dust box is properly inserted. (2) Check if there are any foreign substances around the brush.
Q. The robot works abnormally during cleaning.	(1) Check if the dustcloth is inserted (if exists) and then if it is appropriately inserted. (2) Turn on the power switch at the right bottom of the rear part. (3) Clean the sensor and the adjacent part with a soft cloth.
Q. Reserved cleaning cannot be made.	(1) Check if current time is properly set. (2) Check if a reservation setup has been made.
Q. The robot does not work with any button.	If the main body is directly connected with the adapter for charging, no button input will work.

# Specifications

## Robot cleaner

Model	RYDIS R750
Dimension	320 x 79,7mm (DxH)
Weight	3,2kg (TBD)
Max. speed	Cleaning mode: 30cm/sec.; Moving mode: 25cm/sec.
Operating noise	60dB or less
Power consumption	Maximal 20W
Battery	Lithium iron phosphate (LiFePo4) 12,8V DC
Capacity of the dust box	800ml
Charging time	60 min.
Operating time	60 min.

## Charger

Model	RD-750
Dimension	220,8 x 120,1 x 160mm (LxHxW)
Weight	TBD
Input voltage	100~240V
Output voltage	18Vdc, 3,33A
Signal transmission distance (IR)	5m

## Indicator

Model	RI-750
Dimension	89,7 x 86,8 x 100mm (LxHxW)
Weight	0,22kg
Battery	D size x2 (Not provided with the product)
Battery operation time	Approx. six (6) months (standby mode)
Signal transmission distance (IR)	1~5m

## Remote control

Model	RC-750
Dimension	132,7 x 23,4 x 46,9mm (LxHxW)
Weight	TBD
Signal transmission distance (IR)	10m

※ The output distance for each signal can vary depending on adjacent environments and the remaining battery capacity.







## **FCC Statement**

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.

## **Caution**

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this 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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