

Panasonic®

Model No. MC-RSC10
型號



RULO mini

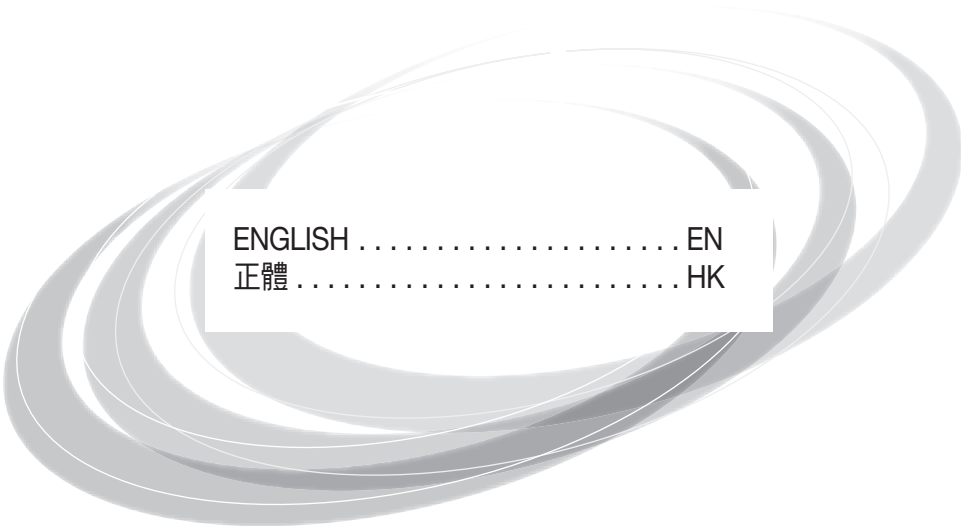
Operating Instructions

Robotic Vacuum Cleaner (Domestic use)

使用說明書

智慧型吸塵器 (家用型)





ENGLISH	EN
正體	HK

Panasonic[®]

Operating Instructions

Robotic Vacuum Cleaner (Domestic use)

Model No. **MC-RSC10**



RULO mini

Thank you for purchasing this Panasonic product.

- Please read these instructions carefully before using this product, and save this operating instructions for future use.
- Please read the “**Safety precautions**” (Page EN4 to EN7) carefully before using the product.
- Photos, illustrations, colors, etc. used are used for explanation purposes and may slightly vary from the actual product.



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Safety Precautions

Please observe all instructions

This section describes the safety precautions that must be observed in order to prevent personal injury and/or property damage.

■ The levels of danger and damage that may result when the device is used incorrectly are classified and indicated as shown below.

	DANGER	Indicates high risk of serious injury or death.
	WARNING	Indicates risk of serious injury or death.
	CAUTION	Indicates risk of injury or property damage.

■ Instructions that must be observed are indicated by the following graphical symbols.

	Indicates actions which are prohibited.		Indicates actions which must be enforced.
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DANGER

■ Battery (Rechargeable lithium ion battery)



Do not mishandle

- Do not use for other than MC-RSC10
- Do not charge using other than the dedicated charging adapter (Overcurrent may cause fluid leakage, overheating or explosion)
- Do not dispose of the batteries in a fire or expose it to heat
- Do not charge, use or leave it near heating appliances such as heaters or fires, or in places with high temperatures such as in the hot sun (Danger of fluid leakage, overheating, ignition or explosion)
- Do not expose to water or other liquids
- Do not pierce with nails or subject to shock. Do not disassemble or alter (Danger of fluid leakage, overheating, ignition or electric shock)
- Do not short-circuit by allowing metals or other materials to come into contact with the socket terminals
- Do not transport or store with metal objects such as necklaces or hairpins (Short-circuit may cause fluid leakage, overheating or ignition)



■ Main unit, charging base, and charging adapter



Do not use beside flammable or burning objects, nor do not suck them up

(Danger of explosion or fire)

Heating appliances such as heaters, cigarettes, copier toner, kerosene, and thinners, etc.



Do not touch the rotating brush, wheels or side brush

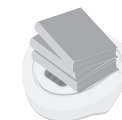
(Danger of injuries or burns)

▶ Additional caution is required for children.



Do not try to ride on the main unit, place heavy objects on it, or apply strong impacts to it

(Danger of injuries)



Do not apply adhesive tape or sticker on the fall prevention sensors

(The main unit may drop resulting in injuries, fire, or electric shock)



Do not use in the following places

(The main unit and/or charging base may drop resulting in injuries, fire, or electric shock)

- Lofts and corridors facing the stairwell that have no fence for fall prevention
- In entrance halls, stairways or steep slopes
- In narrow areas where the main unit cannot turn around
- On top of refrigerators or similar locations that are high set but lacking in space





WARNING



Do not mishandle

- Do not wash with water (except for accessories and parts washable with water)
- Do not use around wet places, such as in toilets and bathrooms
- Do not disassemble, repair or modify
(Danger of electric shock or fire)
- Use only the rechargeable battery supplied with the product
(Danger of fire due to overheating and ignition)
- Do not plug or unplug the charging adapter with wet hands
(Danger of electric shock)
- Do not damage the charging adapter (for example, allow to get tangled by the rotating brush; scratching; modifying; put near heating devices; twist, bend or pull with force; or put heavy items on them)
(Failure to do so may lead to electric shock or ignition due to short-circuit)
→ For repair, consult your retailer.
- Do not overload the outlet or wiring device
(Exceeding the rated value owing to too many connected plugs and the like may lead to fire due to heat generation)
- Do not use the charging adapter to charge rechargeable batteries of other than this product or non-rechargeable batteries
(Doing so may lead to battery leakage, heat generation or explosion due to excess current)
- Do not use a damaged charging adapter
(Doing so may lead to fire due to heat generation or ignition)
- Do not short-circuit the charging base connector, charging adapter plug, or the charging terminal (PEN21) with metal objects
(Doing so may lead to battery leakage, heat generation or ignition due to short-circuit)



Do not allow children to use it alone or use it within reach of infants

(Danger of electric shock, accidents or injuries)

→ This appliance is not intended for use by persons who cannot express their will and/or are unable to operate the unit on their own.



This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance

(It may cause a burn, injury or electric shock)



If the cord is damaged, you need to replace the charging adapter to avoid danger

(It may cause an electric shock or fire caused by short circuit)



Observe the following

- Pets such as dogs and cats must be placed in a cage or moved to a safe location
(Danger of electric shock, accidents or injuries)
- Clean the fall prevention sensors if they are dirty
(The main unit may drop resulting in injuries)
- Turn off the main power switch when performing maintenance or when only children or pets are present (PEN9)
(Danger of electric shock or injuries)



Objects that can cause accidents if the main unit comes into contact with them should be moved out of the way

(Danger of fire, injuries or accidents)

- Heating appliances such as heaters, lit candles, cigarettes or vases, etc.
(There is a danger of falling if the unit hits these objects)
- Electrical appliances, such as fans, with control panels at about the same height as the main unit
(The main unit may hit the control panel of these electrical appliances)



Use the charging adapter correctly

- Insert fully into the socket
(Failure to do so may lead to electric shock or fire due to heat generation)
- The plug must be removed from the socket outlet before cleaning or maintaining the appliance
(Danger of electric shock)
- Regularly wipe off dust with a dry cloth
(Dust gathered can lead to poor insulation due to moisture, which can lead to fire)

Safety Precautions (Continued)

Please observe all instructions

WARNING

■ Main unit, charging base, and charging adapter



Avoid dropping, impacting or wetting

(Danger of overheating, ignition or electric shock)



When an error occurs, stop using it immediately, turn off the main power switch (P.EN9), and unplug the power plug of the charging adapter

(Failure to do so may lead to smoke generation, ignition or electric shock)

Examples of abnormality or breaking down

- The unit doesn't work when the Start/ Stop button is pressed
- There are strange noises when the unit is operating
- The connection lamp on the main unit goes on and off when the charging adapter is moved
- The main unit deforms or becomes very hot
- There is a burning smell

→ Immediately request maintenance and repair at the place of purchase.

■ Battery (Rechargeable lithium ion battery)



Do not touch the battery with wet hands

(Danger of overheating, ignition or electric shock)



If battery liquid gets into your eyes, immediately wash with clean water (Do not rub your eyes)

(Danger of blindness)

→ Seek medical attention immediately.



If the battery pack is leaking, place the battery in a sealed plastic bag and recycle or safely according to regulations of your residential area

(Liquid may contact resulting in skin irritation or injuries)



For the purposes of recharging the battery, only use the detachable supply unit provided with this appliance

Charging base (Model No. AVV79V-RAH)

Charging adapter (Model No. AVV61V-RAH)

CAUTION

■ Main unit, charging base, and charging adapter



Do not allow near fire

(The exhaust may make the flame bigger increasing the risk of fire)



Do not look into the main unit while it is operating

(Danger of falling or injuries)



Do not put objects on tables during operation

(These objects may fall and break when the main unit hits the tables)



Do not use on carpet or flooring that can be easily damaged (such as freshly waxed floors and marble floors)

(Danger of damage or breakage)

→ Cease use if the unit causes damage



Do not use it on damaged tiles, carpets or old tatami mats

(This can worsen the existing damage)



Do not mishandle

● Do not drag the main unit

● Stop use if sand or gravel attaches on the brush covers, brush strip, wheels, roller or side brush or if these parts start to wear down

→ Check the unit before use, and if there is wearing, consult the place of purchase.

(This can cause scratching to the floor surface)

● Do not pull the cord when unplugging the charging adapter

(Doing so may lead to electric shock or ignition due to short-circuit)



Notes on Use

■ Battery (Rechargeable lithium ion battery)



Do not place items on its top, or place it where you can drop it easily

(Danger of overheating, ignition, electric shock or injuries)



If the battery leaks and the fluid gets onto your skin or clothes, wash carefully with clean water

(Danger of skin irritation or injuries)



Store the main unit and the batteries in a clean, dry place

(Danger of overheating, ignition or electric shock)



The battery must be removed from the appliance before it is scrapped (P.EN17)

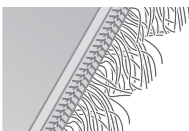
(Danger of ignition, electric shock or accidents)



Observe the following

- Before vacuuming, put away fragile items or items that must not be sucked
- Put away long ropes and cords, as well as rugs, mats and cushions with a fringe
- Please avoid using the unit in a place where such items cannot be cleaned up

(To prevent damage or scratching)



When carrying the main unit, stop operation and carry carefully with both hands

(To avoid injury or floor damage caused by falling)

→ Do not touch the control panel.

→ Take care not to insert your fingers into the wheels and the rotating brush.



This product should not be used for commercial/industrial purposes or for purposes other than vacuum cleaning.

■ Do not allow the unit to suck the following objects

(This can cause malfunctions and odors)

- Dehumidifying agents
- Pet litter or anything with pet waste attached
- Large volumes of powder (e.g. fire extinguisher powder)
- Glass, pins, needles, toothpicks
- Damp or wet items
- Carpet fringes
- Water and other liquids
- Long pieces of thread
- Adhesive items (e.g. insect catcher sheet)
- Impermeable items such as clear food wrap and other wrapping films

■ Do not try to vacuum places with large volumes of sand, pet litter or gravel

(This can cause malfunction)

■ Do not push the wheels out of shape

(This can cause incorrect operation)

■ Do not lubricate the rotating brush

(This can damage the main unit)

■ Do not block the suction port or exhaust port

(This can cause deformation due to overheating)

■ Do not use while a security system is operating

(This may cause the security system to operate incorrectly)

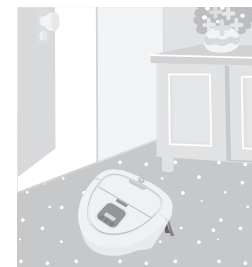
Do not set the timer operation to start while a security system is operating.

■ Do not block the sensors, infrared transmitters and receivers on the main unit or charging base by putting adhesive tape or stickers on them or covering them with cloth

(Danger of operational failure or malfunction)

■ Do not use the product on the concrete floors that have hard or uneven surfaces

(This may cause wearing of the brush covers, brush strip, wheels, roller, or side brush)



■ To avoid the power cord from obstructing the main unit, please run the charging adapter cord along the edge of the wall

■ Put away the cords of other products and strings to prevent them from obstructing the main unit

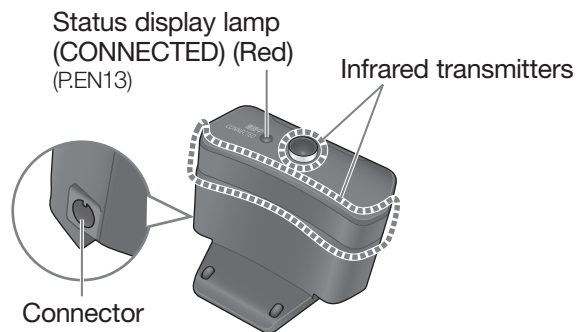
(The cords may be sucked by the unit resulting in a failure or malfunction)

Part Names

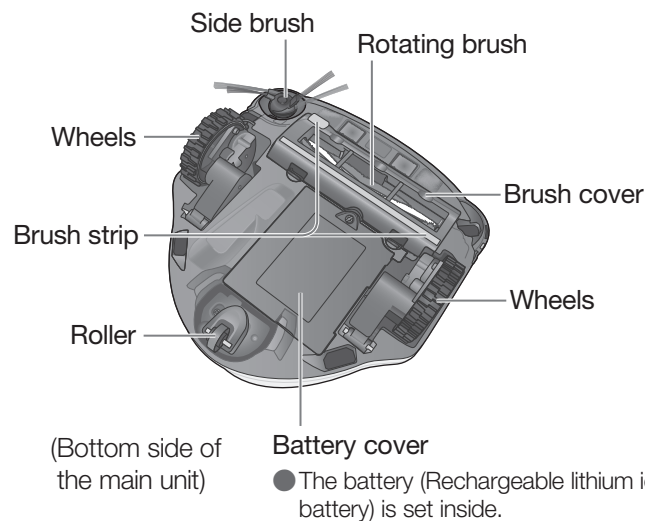
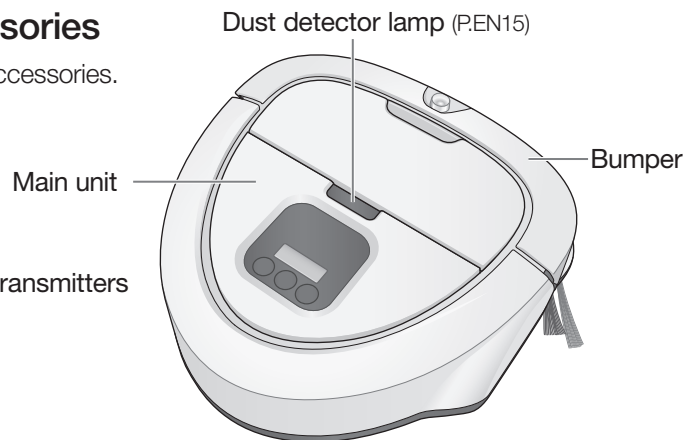
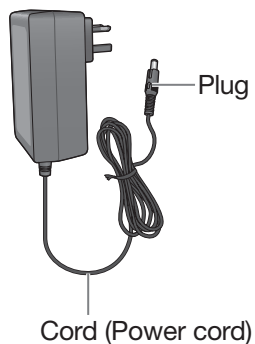
Check the included accessories

Parts enclosed in are included accessories.

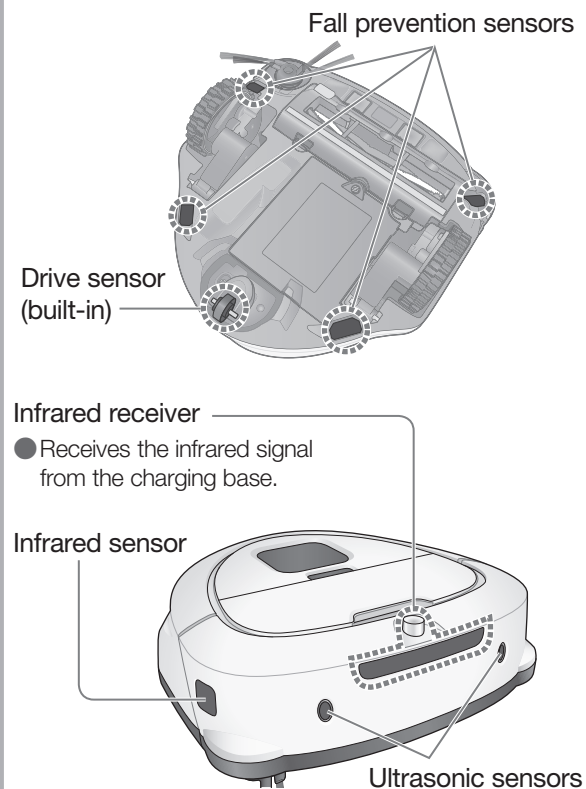
Charging base (Home)



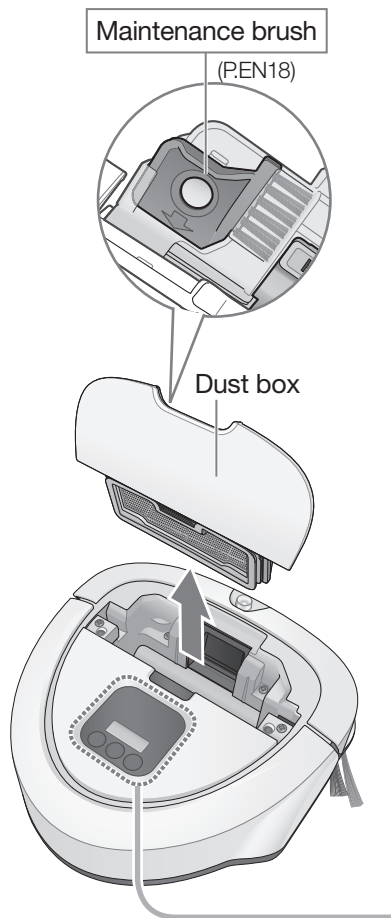
Charging adapter



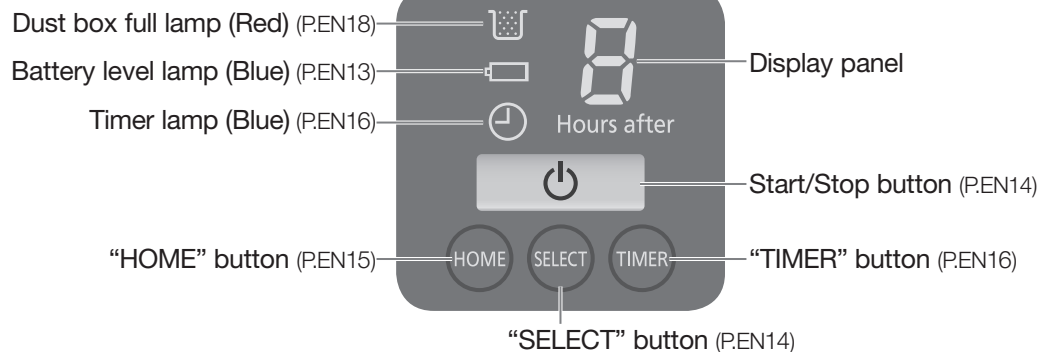
Sensors



- Ultrasonic sensors and infrared sensor detect obstacles so the unit can avoid the obstacles while it is operating. (There are conditions in which obstacles cannot be detected (P.EN27))
- The fall prevention sensors detect a level difference of approx. 10 cm or more to prevent the main unit from falling.



Control panel



To switch on the unit

Place the main unit on the charging base
(The lamp go on in a sequence (from bottom to top))

Ready state (Standby state)

(display · goes on)

- The unit enters standby state to save the battery when you do not operate it for about 5 minutes (Sleep).
(All lamps go off)

To switch off the unit

Remove the main unit from the charging base by lifting it, and press **HOME** for more than 3 seconds
(The lamp go on in a sequence (from top to bottom))

The power goes off (All lamps go off)

- The main unit goes into *standby status* when it is placed on the charging base after it has been switched off.

Operation

When in Sleep state (All lamps go off)

Press



Standby state (· display goes on)

To select an operation mode...

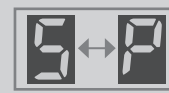
The mode toggles each time you press **SELECT**



AUTO mode



LOW mode



SPOT mode

Before use

Getting the room ready

To ensure smooth operation

If you have items listed on the right inside the room, do one of the following to ensure smooth operation.

These items may cause the main unit to stop operating, become tangled with the mat/carpet or damage the furniture

- Tidy up before starting
- Move the items to another room
- Place an item that can serve as a wall (Before the item you wish to protect)

You cannot use the unit to clean the following places

(The unit may get tangled up or stop running properly)

- Carpets with threads longer than 2 cm
- Carpets, rugs, or mats made from thin, soft materials
- Mirrored surfaces (Glass, mirror, marble, etc.) and dark-colored carpets or floors (To prevent damage to the carpets or floor surface, or malfunction/failure of the main unit)
- Spaces narrower than 28 cm
- Level difference of approx. 2 cm or more (depending on conditions, the unit may be unable to climb over a level difference of less than 2 cm)
(This can cause the main unit to stop while moving or get stuck while trying to climb over a level difference)

Items that may accidentally be sucked up Items that may damage the floor, etc.

- Burning items such as cigarettes, incense, and candles
- Small items that can be sucked up easily
- Coins
- Pet excrement and liquid
- Fragile items on the floor such as glass and pottery
- Adhesive items (insect catcher sheets, etc.)
- Solid items made of metal, plastic, etc.
- Precious metals such as accessories
- Pebbles



Items that may operate incorrectly if hit by the main unit

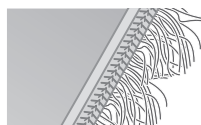
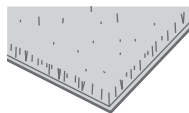
- Electrical appliances with control panels at the same height as the main unit

Items that the main unit may climb on and damage

- Furniture such as coat stands or electrical appliances such as fans that the main unit may get stuck on

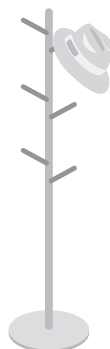
Objects that are easily caught in the rotating brush, wheels or side brush

- Carpets with threads longer than 2 cm
- Carpets, rugs, or mats made from thin, soft materials
- Thin floor coverings such as bath mats
- Non-slip rubber mats and other thin coverings with adhesive properties
- Fringes of coverings and floor cushions
- The ends of table cloths and curtains that reach to the floor
- Cords of electrical appliances
- Long thin items such as strings and belts
- Thin paper/cloth, plastic bags, etc.



Items that can obstruct the main unit

- Cushions, mattress, books, magazines, etc.
- Controllers of electric carpets, etc.



Items that may fall if hit by the main unit

- Tall thin furniture such as hat/coat stands

Places you don't want the unit to go

- Easily damaged furniture or walls (sliding screens, folding screens and etc.)
- Bumps or uneven surfaces where the main unit can get stuck and become unable to move
- Windows, blinds, mirrors, etc. that almost reach the floor
- Stairs, entrance hall, etc.
- Heaters and other heat generating appliances
- A place where you will be unable to reach the main unit when it stops operating (e.g. under a furniture that is difficult to move)

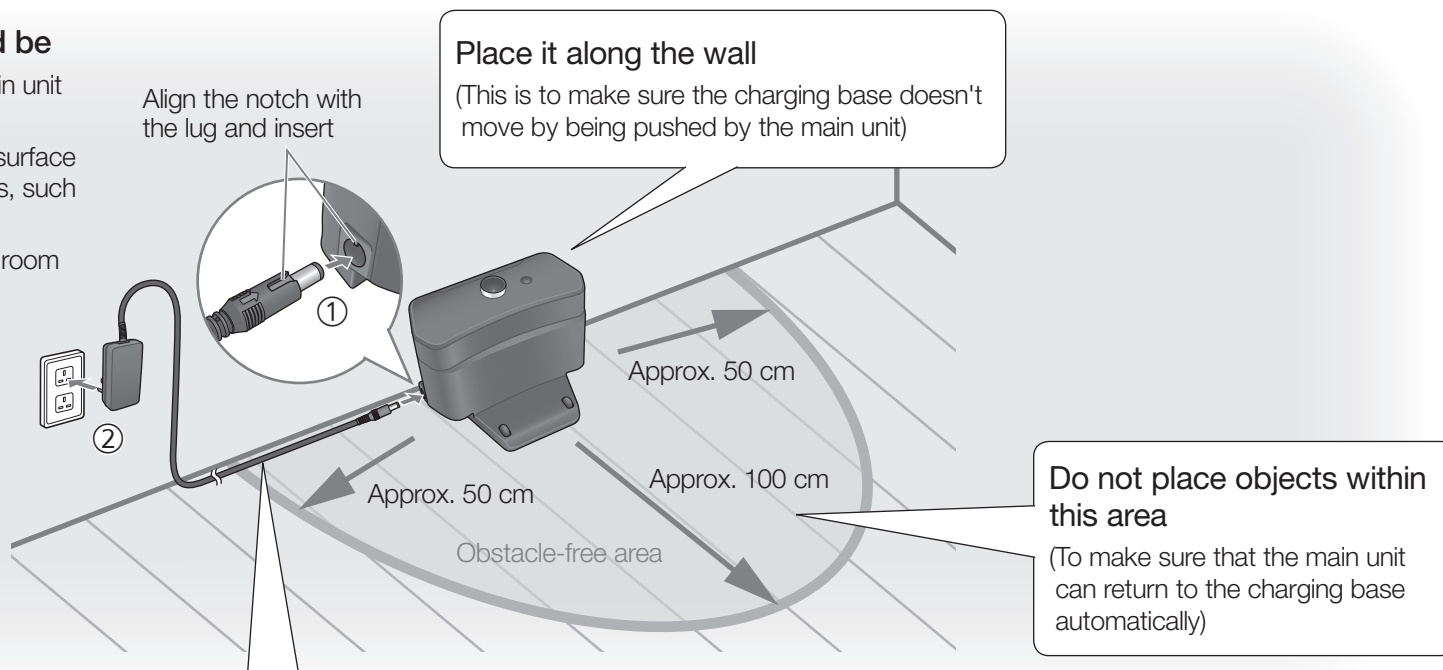
- If the room receives direct sunlight, use a thick curtain (to avoid malfunction)

Charging

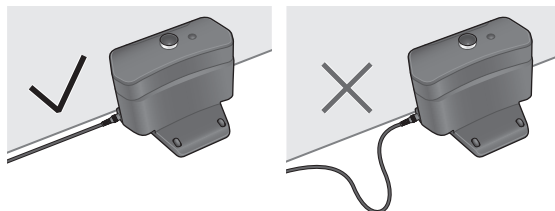
Install the charging base

The location should be

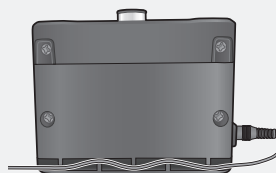
- A room where the main unit is often used
- A place with an even surface without rises or bumps, such as wood flooring
- A place with plenty of room and few obstacles



Draw the cord along the wall without bundling it together



Depending on the position of the wall socket...



Run the cord along the groove on the back of the charging base, as shown in the left diagram

Note

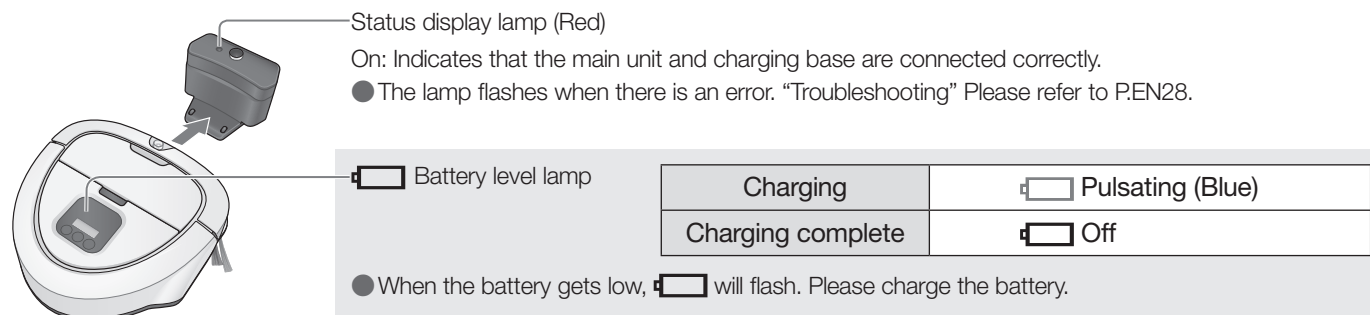
- The main unit may not correctly receive signals from the charging base. (P.EN27)
 - When sunlight gets in the room (including sunlight entering through frosted glass)
 - When using devices that emit infrared signals

Place the main unit on the charging base

The battery is not fully charged at the time of purchase, so please be sure to charge it before use (Full charge takes about 3 hours)

To help make the battery last longer

- If the unit is not used for one month or more, fully charge the battery and turn off the power switch for storage. Recharge it at least once a year thereafter. (Storing the unit with the battery in uncharged state will adversely affect the performance and lifespan of the battery)
- Charge the battery in a room where the temperature is between 5 °C and 35 °C. The battery cannot be charged properly if the room is too cold or too hot (such as when the room receives direct sunlight).
The operating time may become shorter and the charging time may increase as a result.



Request

- When the status display lamp on the main unit doesn't come on or goes out immediately, try placing the main unit on the charging base again.
(When placed correctly, the status display lamp will come on)
- When the main unit is not used for 6 months or more, the battery may overdischarge and the operating time may be reduced. Please make sure to charge the battery before using it again.
- To avoid introduction of noise to TV sets and radios, keep the charging base more than 1 m away from these appliances.

Note

- The temperature of the battery can change depending on the ambient temperature, usage time, and other usage conditions.
When the temperature of the battery is too high or too low, the charger waits until the battery reaches a temperature level suitable for charging, which may result in longer charging times. (Up to approx. 8 hours)
- The main unit, charging base and charging adapter may become warm while charging, but this is normal.
- The length of time the main unit can operate varies depending on the temperature of the battery and other usage conditions.
- The charging adapter consumes approx. 0.3 W of power even when it is not charging.
- You may hear some noise from the charging adapter, but this is normal.

Cleaning

AUTO mode / LOW mode / SPOT mode

If the main unit is in sleep mode, switch it to standby mode by pressing  (P.EN9)

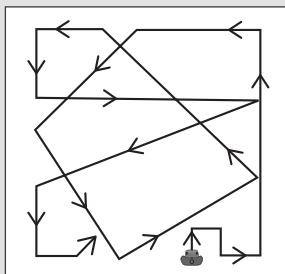
Clean the entire room automatically!

AUTO mode

The main unit identifies the walls and center of the room and cleans the whole room by automatically changing its directions.

The main unit adjusts the suction power and moving speed when rubbish is detected by the house dust sensor.

The main unit performs thorough cleaning when it detects a corner.

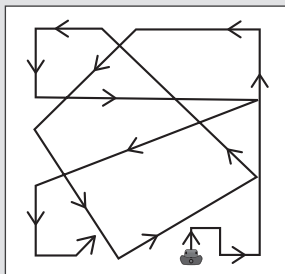


Vacuum quieter than the AUTO mode!

LOW mode

The main unit cleans slower and quieter than the AUTO mode.

The operating time will be longer than the AUTO mode.

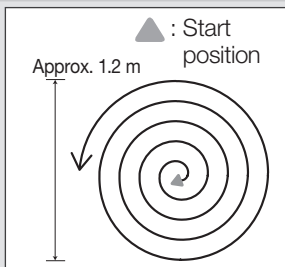


Clean the specified spot only!

SPOT mode

With the start position as the center, the main unit first cleans outwards in a swirling manner; and when the diameter reaches approx. 1.2 m, the unit cleans inwards in a swirling manner before returning to the center.

- Depending on the floor surface conditions (e.g. carpets), the actual cleaning path may be deviated.
- When there are obstacles, the main unit cleans the room while avoiding the obstacles resulting in movements different from the diagram.
- The timer function is unavailable for this mode.



Select the desired operation mode!

1 Press  to switch the display
(Operation procedure → P.EN9)

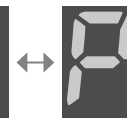


Select



Select

Start the SPOT mode after you have moved the main unit to the place (spot) you wish to clean



Select

2 Start

Press 

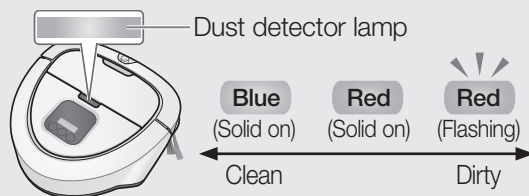
Press 

Press 

 will come on when the dust box is full. Please empty the dust box. (P.EN18)

Start cleaning!

During cleaning, the dust detector lamp comes on and finds the dust that you can't see. (It can even detect microscopic house dust including pollen)



- The main unit automatically adjusts the suction power based on the house dust sensor. When there is a lot of rubbish, the main unit will move slowly for thorough cleaning.

Note

- The lamp does not come on when the main unit is returning to the charging base.



Request

- Close the door if you do not want the main unit to go into other rooms.

Note


- The main unit cannot detect obstacles while moving backwards, so a collision can occur.
- The main unit can start cleaning anywhere, not just from the charging base.
- The main unit avoids the charging base while it is cleaning.

Cleaning complete!


- When the cleaning is finished, the main unit will automatically return to the charging base. (If it does not, return it to the charging base manually by hand or by pressing )
- The operating time will vary depending on the room size and the amount of rubbish. Depending on the location of the charging base, the furniture arrangement and the amount of rubbish, the operating time may vary even if the room size is the same. (AUTO mode: Up to approx. 50 mins.) (LOW mode: Up to approx. 60 mins.)
- If the battery gets low during operation and  starts flashing, the main unit will stop cleaning and return to the charging base.

Request

- Please empty the dust box more frequently when you are using the LOW mode. (P.EN18)

- When the cleaning is finished, get the main unit back to the charging base manually by hand or by pressing .

Note


- Depending on the usage conditions, the main unit may not be able to return to the charging base even if you press . (P.EN27)




Use the timer function


Schedule a timer cleaning! (AUTO mode/LOW mode)

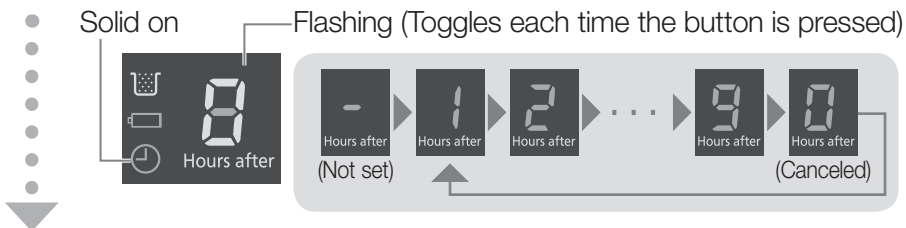
- You can set the timer to start cleaning in 1 to 9 hours from the current time.

Set the timer

- If the main unit is in sleep mode, switch it to standby mode by pressing  (P.EN9)

1 Press  and select the operation mode ( or )



2 Press  and select the start time

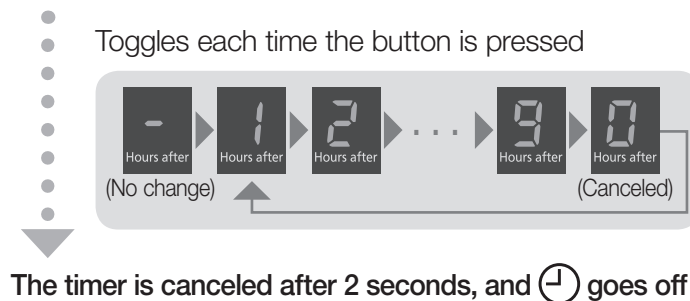


The timer is confirmed after 2 seconds (Reservation time is displayed for 30 seconds)

Cancel the timer



- If the main unit is in sleep mode, switch it to standby mode by pressing  (P.EN9)

Press  and select  (Canceled)



The timer is canceled after 2 seconds, and  goes off

Note

- Switching off the main unit will cancel the timer reservation.
- The timer operation will fail to start in the following cases:
 - If the main unit is cleaning at the timer start time
 - If the main unit is switched off
 - If the battery is almost flat ( is flashing)
 - If the dust box is full ( is lit)
- The timer cleaning is unavailable for the SPOT mode. If you set a timer cleaning with the SPOT mode, the previously selected operation mode (other than the SPOT mode) will be used instead.
- You can use the main unit while a timer reservation is active. If you change the operation mode after setting a timer cleaning, the timer cleaning will start in the newly selected mode (other than the SPOT mode).

Replace the battery (Battery disposal)

The battery is a consumable!

If the operating time reduces significantly even after proper recharging, it means the battery has reached the end of its service life.

Please replace it to the new battery.

You can purchase the replacement battery (sold separately) at the place where you purchased the unit.

About the rechargeable lithium-ion battery

The usable time reduces as you continue to repeatedly use the unit.

The life of the battery depends on factors such as the ambient temperature, and amount of time it is used, and the length of charge/discharge cycles will become shorter depending on usage conditions.

The used battery should not be disassembled and disposed of together with normal household waste. Please take it to appropriate collection points in accordance with your municipal rules. For more information, contact with the retailer or your local authorities in charge of waste management.

Handling of used batteries

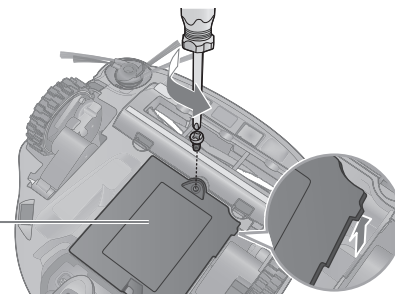
- Use adhesive tape to insulate the connector of the battery.
- Do not disassemble the battery.

Request

- Before removing the battery, operate the main unit repeatedly until the battery is discharged completely.
- The appliance must be disconnected from the supply mains when removing the battery.
- The battery is to be disposed of safely.

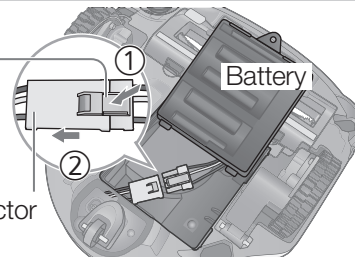
1 Switch off the power (P.EN9) and remove the battery cover

- Loosen the screw and remove the battery cover



2 Remove the battery and unplug the connector

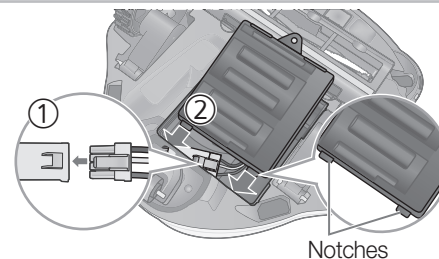
- ① Press the knob on the connector and...



- ② Pull out the connector

3 Insert a new battery

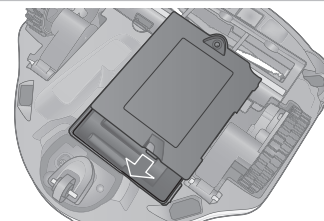
- ① Insert the connector of the new battery until you hear a 'click'
- ② Insert the battery while pressing in the connector to the bottom



Make sure that the two notches on the battery are on the inside of the battery compartment

4 Attach the battery cover

- Attach the battery cover and tighten the screw

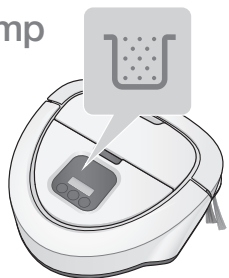


Empty the dust box (Maintenance)

The status display lamp tells you when the dust box is full!

If the dust box full lamp (Red) comes on...

Empty the dust box and perform maintenance as necessary.




Rubbish accumulates in different ways depending on the type of rubbish.

Note

- Even when the rubbish volume is low, the lamp may come on if there is rubbish around the air intake. (Remove the dust box and remove rubbish from the air intake)
- The dust box becomes full quicker when you clean using the LOW mode. (Less compression of the rubbish inside the dust box due to lower suction power)
- The lamp may come on when the house dust sensor becomes dirty. (Maintenance→P.EN21)
- The dust box may become full quicker on new carpets because of the presence of loose threads.

Request

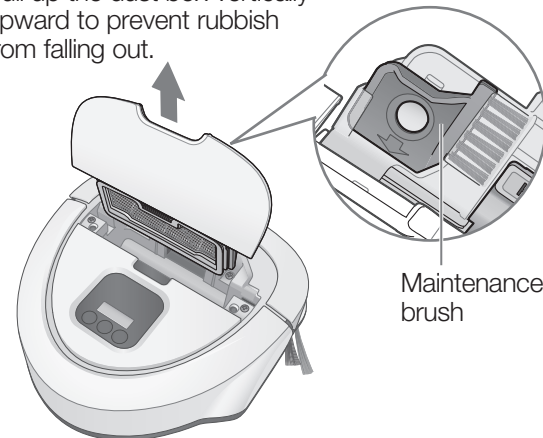
- Please empty the dust box once a week, even if  does not come on.

Empty the dust box

1

Remove the dust box

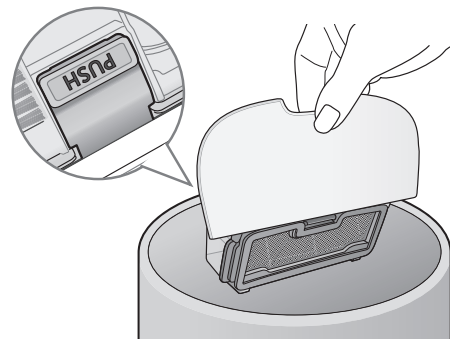
- Pull up the dust box vertically upward to prevent rubbish from falling out.



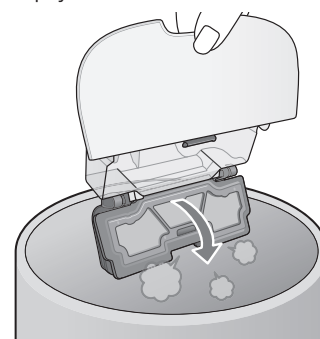
2

Empty the dust box

① Press "PUSH" and...

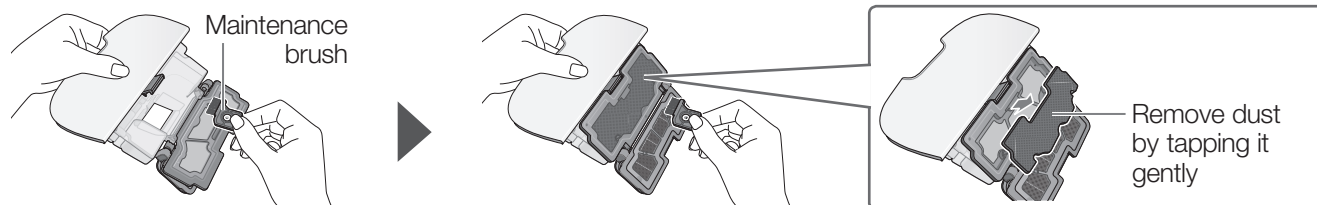


② Empty the dust box.



Maintenance

1 Carefully remove rubbish, dust etc.



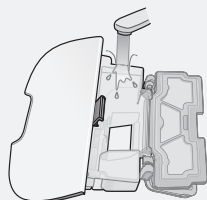
Request ● Do not press the maintenance brush firmly on the filter. (To avoid tearing)



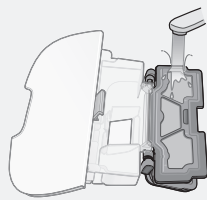
You can wash with water if the dust box is especially dirty

(Dry completely before putting it back in place)

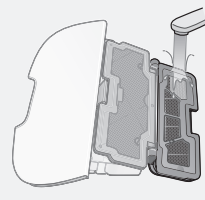
■ Dust box



■ Net filter



■ Filter



■ Sponge filter



Hand-wash by pushing

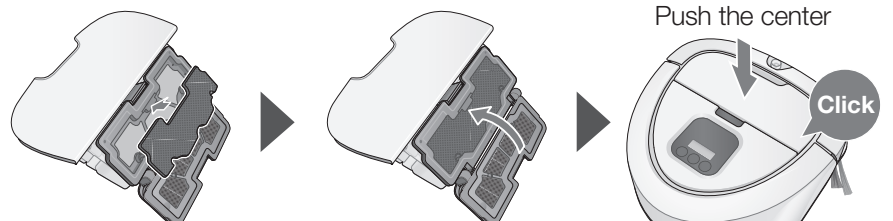
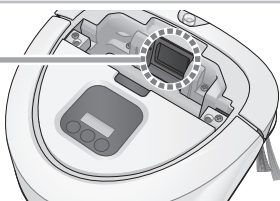
- Do not hand-wash by rubbing or use a washing machine (To prevent shrinking or deformation)
- Dry it completely

Request

- Do not use substances such as detergent, benzene, thinner, or alcohol (to avoid cracks and color change)
- Please dry the dust box completely for about 24 hours in a well-ventilated place. (To avoid odor or clog)
- Please do not use a blow dryer or similar to dry it (to avoid deformation and malfunction)

2 Remove rubbish from the air intake

- If you cannot remove it, detach the rotating brush and perform maintenance. (PEN20)



① Attach the sponge filter

② Close the dust box

③ Put the dust box back into the main unit

3 Reassemble the dust box and put back into the main unit

Maintenance

When an error code is displayed (P.EN24) / When rubbish is tangled / When deemed necessary

Switch off the main unit (P.EN9) and unplug the charging adapter before performing maintenance.

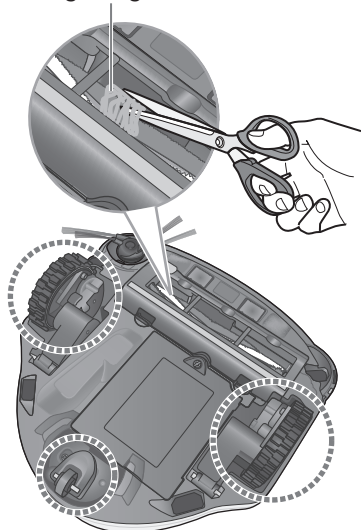
Bottom side: Rotating brush and brush cover

Remove rubbish from the area(s) indicated below



Except the rotating brush and the brush cover

Cut tangled rubbish with scissors along the groove

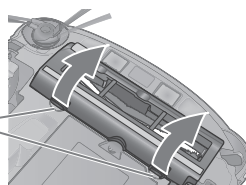


- Remove tangled hair, etc. using a pair of tweezers

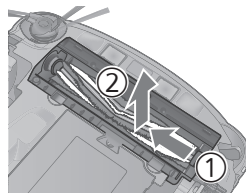
■ If you wish to wash the rotating brush and brush cover with water

1 Remove the brush cover

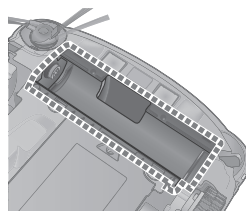
Pull up in the direction indicated by the arrows while pushing on the hooks



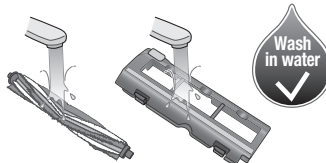
2 Remove the rotating brush



3 Remove rubbish from the area(s) indicated below.

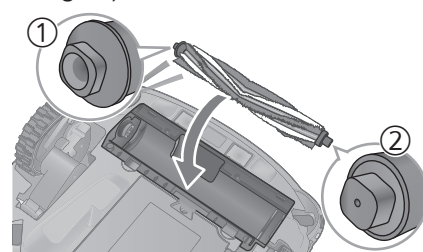


4 Wash the rotating brush and brush cover with water and dry properly

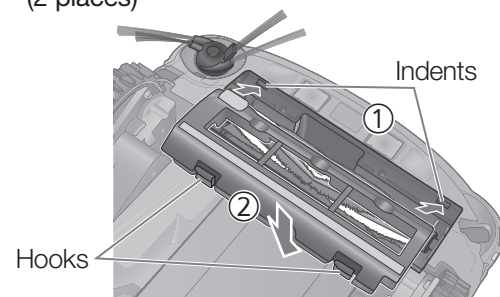


■ To attach

1 Fit the rotating brush to the main unit Fit ① into place, then fit ② into place (while pushing ①)



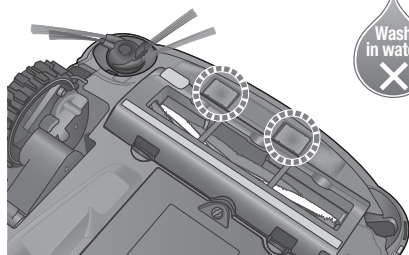
2 Put the brush cover in place ① Fit the hooks on the brush cover into the indents on the main unit (2 places), then ② Push them into place until the hooks click (2 places)



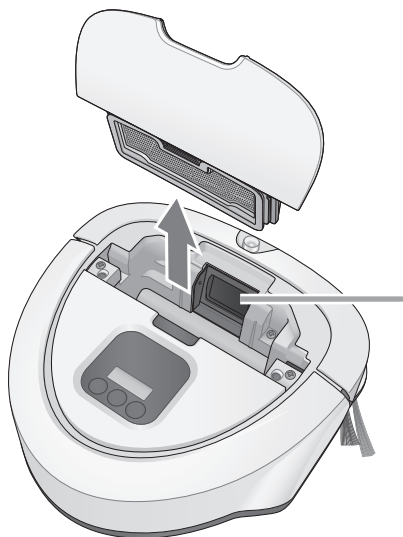
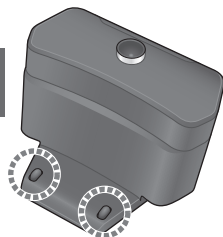
- Attach so that the side brush does not get caught

Charging terminal

Remove rubbish from the area(s) indicated below



Charging base



Request

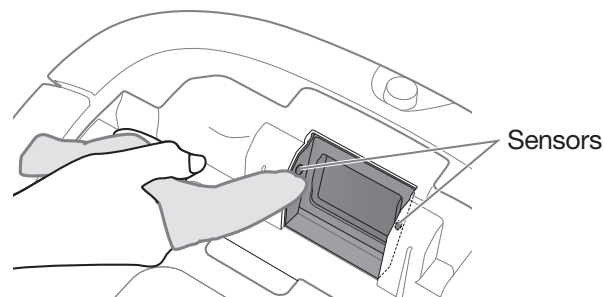
- After washing with water...
 - Remove water and dry completely. (To avoid odor)
 - Please do not use a blow dryer or similar to dry it (to avoid deformation and malfunction)
- Do not use substances such as detergent, benzene, thinner, or alcohol (to avoid cracks and color change)
- When using chemical wiping cloths, be sure to observe the accompanying instructions.

House dust sensor

When the dust detector lamp does not work properly
When  comes on even after emptying the dust box

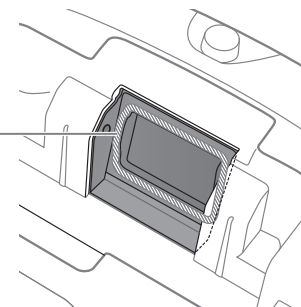


Wipe with a soft, dry cloth



Remove rubbish around the air intake

Around the air intake




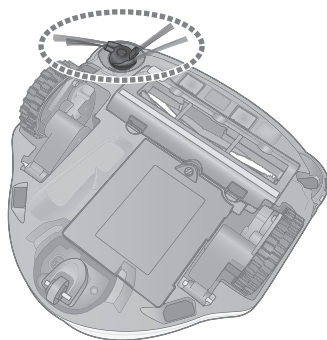
Maintenance (Continued)

When an error code is displayed (P.EN24) / When rubbish is tangled / When deemed necessary

Switch off the unit (P.EN9) and unplug the charging adapter before performing maintenance.

Side brush

Remove rubbish tangled in the  area(s) indicated below

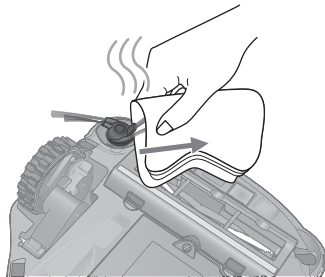


- Remove tangled hair, etc. using a pair of tweezers
- If the side brush stops turning or turn with difficulty, remove the rotating brush (P.EN20) and clean the side brush by rotating them

Maintenance of the side brush

(When the bristles of the side brush curls or spreads out)

- Soak a cloth in hot water, wrap the cloth around the side brush for about 10 seconds, then pull on the bristles

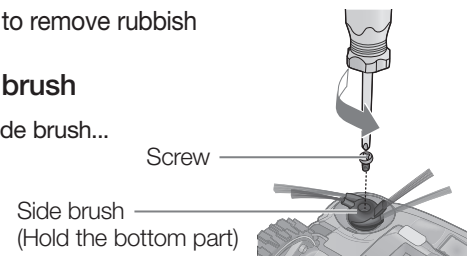


■ To remove the side brush to remove rubbish

1

Remove the side brush

- ① While holding the side brush...
- ② Remove the screw



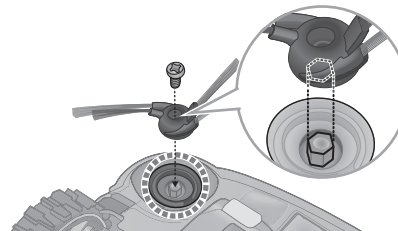
2

Remove rubbish from the area(s) indicated below



■ To attach

Insert securely and tighten the screw.



Main unit/Charging base

Wipe with a soft damp cloth

- Wring firmly



Note

- The side brush is replaceable.
They wear down at different rates according to the type of floor they are being used on.
Replace the side brush when bristles start falling off or when they get damaged.
- You can purchase the side brush from the retailer where you purchased the unit.

Request

- After washing with water...
 - Remove water and dry completely.
(To avoid odor)
 - Please do not use a blow dryer or similar to dry it
(to avoid deformation and malfunction)
- Do not use substances such as detergent, benzene, thinner, or alcohol
(to avoid cracks and color change)
- When using chemical wiping cloths, be sure to observe the accompanying instructions.
- The side brush collects hair and waste easily, so check regularly and perform maintenance as necessary.

Sensors/Infrared transmitters and receivers



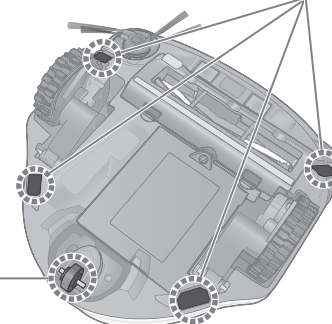
area is to be wiped with a soft damp cloth

- Wring firmly



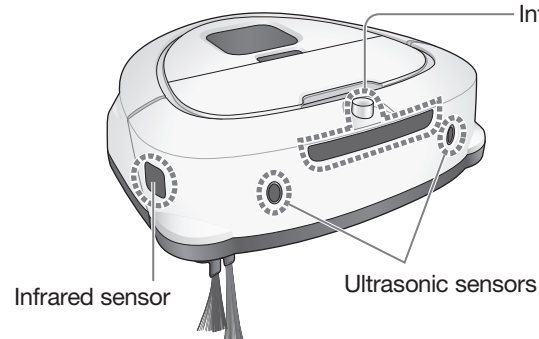
Approx. once a month

Fall prevention sensors



Roller
(with built-in
drive sensor)

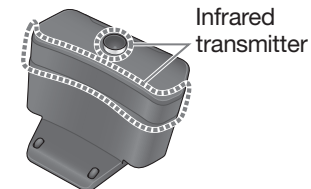
Infrared receiver



Infrared sensor

Ultrasonic sensors

Charging base



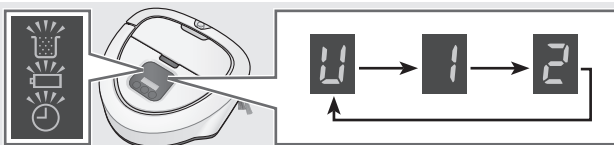
Infrared
transmitter

Error display

Easy-to-understand error notifications!









- If the lamp on the control panel flashes at high speed and the main unit does not work, check the error display (error code) and take appropriate measures

Example)



- The numbers change in order following "U" or "H" to display an error code. (Approx. 5 min.)
You can clear the error display by pressing the Start/Stop button.

Error code	Check here	Workaround
U12	Is a foreign object such as cotton waste or hair tangled in the rotating brush or side brush?	→ Remove foreign objects (P.EN20, EN22)
U13	Is a foreign object such as cotton waste tangled in the wheels?	→ Remove foreign objects (P.EN20)
U14	Has the main unit stopped in the middle of operation or got stuck on a level difference? (P.10)	
	Is a foreign object jammed in the roller?	→ Remove foreign objects (P.EN20)
U15	Is any foreign object caught in the bumper or is there any obstacle hindering the bumper's movement?	→ Remove foreign objects
U18	Are the ultrasonic sensors dirty or covered by cloth?	→ Maintenance (P.EN23)
U19	Is the infrared sensor dirty or covered by cloth?	→ Maintenance (P.EN23)

Error code	Check here	Workaround
	Has the main unit stopped in the middle of operation or got stuck on a level difference? (P.EN10)	
	Are the fall prevention sensors dirty?	→ Maintenance (P.EN23)
	Are the fall prevention sensors dirty?	→ Maintenance (P.EN23)
	Has the main unit stopped in the middle of operation or got stuck on a level difference? (P.EN10)	
	Are you using the main unit for a prolonged period in a high-temperature environment, such as under direct sunlight?	
	Are you charging the battery in a high-temperature environment, such as under direct sunlight? (P.EN13)	
	Are you charging the battery in a place where the temperature is below 0 °C? (P.EN13)	
	Is a foreign object such as cotton waste or hair tangled in the rotating brush or side brush?	→ Remove foreign objects (P.EN20, EN22)
	Is a foreign object such as cotton waste tangled in the brush?	→ Remove foreign objects (P.EN20)

■ The unit requires an inspection if an error code starting with "H" is displayed.




Check the error display (The two-digit number following "H"), turn off the power immediately, disconnect the charging adapter, and contact the retailer where you purchased the unit.

Troubleshooting


Please check the following items before contacting the retailer for repair.

Operation

Does not work

- Is  flashing?
→ Recharge the battery (P.EN13)
- Please check the error code. (P.EN24)
- Did you switch off the main unit? (P.EN9)
→ Place the main unit on the charging base

Stops during operation

- Please check the error code. (P.EN24)
- Is  flashing?
→ Recharge the battery (P.EN13)
- Is the main unit caught on a cord, etc.?
- Is a piece of cloth such as a thin towel or a thread tangled in the wheels?
- Is the main unit unable to climb over a level difference and stopped?
- Is the main unit stopped on a dark-colored carpet or floor? (P.EN10)

The main unit suddenly starts operating without my interaction

- Is  lit? (P.EN16)

The speed changes

- The main unit reduce its speed when the sensors detect obstacles or when the unit is changing direction. This is normal.

The unit doesn't go straight

- Is a foreign object jammed in the wheels or roller?
→ Maintenance (P.EN20)
- Are the ultrasonic/infrared sensor or the roller (with built-in drive sensor) dirty?
→ Maintenance (P.EN23)

The side brush stop turning or turn with difficulty

- Is a foreign object such as cotton waste or hair tangled in the rotating brush or side brush? (P.EN20, P.EN22)
- You cannot use the main unit on floor coverings (e.g. carpets) with threads longer than 2 cm.
Furthermore, even when the threads are shorter than 2 cm, depending on the material that the threads are made from, the threads may get tangled in the side brush.

The side brush comes off

- Is the side brush attached correctly? (P.EN22)

Main unit/Charging base

The main unit is bumping into obstacles (or more frequently)

- Is the ultrasonic/infrared sensor dirty?
→ Maintenance (P.EN23)
- The main unit does not have sensors to detect obstacles on the rear, so it may bump into obstacles when reversing.
- The main unit cannot avoid the feet of tables and chairs, dark-colored walls, furniture, sliding doors and curtains, or furniture and utensils on casters such as TV tables.

The main unit cannot avoid a height difference and falls

- The fall prevention sensors do not detect a height difference of less than 10 cm. (P.EN8)
- Are the fall prevention sensors dirty?
→ Maintenance (P.EN23)

The rotating brush stops

- Is a foreign object such as cotton waste or hair tangled in the rotating brush or side brush?
(P.EN20, P.EN22)

The main unit does not return to the charging base

- Is the charging adapter fully inserted in the wall socket?
- Is the charging adapter plug fully inserted in the connector of the charging base? (P.EN12)
- Is there an obstacle within approx. 100 cm in front of the charging base or within approx. 50 cm of the sides? (P.EN12)
- Is a foreign object stuck under the charging base lifting it slightly?
- Is the brush cover attached correctly? (P.EN20)
- The main unit moves slower than normal operation when returning to the charging base. The returning operation may repeat a few times before the main unit returns completely to the charging base. Wait until it completes the operation.
- If the main unit is next to the charging base, the main unit may not receive the signals from the charging base correctly and fail to return to it.
Put the main unit approx. 50 cm from the front of the charging base, and press the Home button. If the main unit returns to the charging base, then the main unit is operating normally.
- Is the infrared receiver on the main unit or the infrared transmitter on the charging base dirty?
→ Maintenance (P.EN23)
- Have you put a thick sticker or placed an object on the main unit?
- Are you using the unit in a place exposed to direct sunlight, or is the charging base located near appliances that emit infrared light? (e.g. halogen heaters, remote controllers of other appliances, etc.)
Sunlight or the infrared light emitted by appliances can interfere with the infrared communications between the main unit and the charging base. This may result in the main unit failing to return to the charging base.
→ Shut out sunlight with a curtain or similar
(Sunlight entering through frosted glass may also have the same effect)
→ If appliances emitting infrared light is located nearby, move them away from the main unit and the charging base
- Depending on the distance from the charging base, the main unit may not be able to return to the charging base.

The main unit/charging base is hot

- The main unit, charging base and charging adapter may become warm during/after operation and while charging, but this is normal.

Troubleshooting (Continued)


Please check the following items before contacting the retailer for repair.

Charging

Cannot charge (The status display lamp does not come on)

- Is the charging adapter fully inserted in the wall socket?
- Is the charging adapter plug fully inserted in the connector of the charging base? (P.EN12)
- Is the main unit placed properly on the charging base?
→ Place the main unit on the charging base again (When placed correctly, the status display lamp will come on)
- Is a foreign object attached on the charging terminal? → Remove foreign objects (P.EN21)
- Is the brush cover attached correctly? (P.EN20)
- Is the battery connector inserted firmly? (P.EN17)

The battery level lamp does not go off (Charging time is very long)

- The charging may take longer (up to 8 hours) depending on the usage conditions such as ambient temperature and how long the unit has been used for.
- When the main unit has been charged for more than 8 hours and the  battery level lamp still does not go off, it may be due to a failure of the main unit. Please contact the retailer where you purchased the main unit.

The status display lamp flashes

- Is a foreign object attached on the charging terminal? → Remove foreign objects (P.EN21)

The battery runs out quickly even when it is fully charged

- Was the battery charged in a cold or hot place?
→ Charge the battery in a room where the temperature is between 5 °C and 35 °C (P.EN13)
- If the operating time reduces significantly even after a full charge, the battery has reached the end of its service life.
(The lifespan of the battery depends on the usage conditions such as ambient temperature and how long it has been used for)
→ Replace the battery (P.EN17)

Dust detector lamp

The lamp (red) flashes/comes on even though no rubbish has been sucked

The lamp (red) does not flash/come on even though rubbish has been sucked

- Is there rubbish or dust on the house dust sensor?
→ Maintenance (P.EN21)
- Is the dust box full of rubbish?
→ Empty the dust box (P.EN18)

The lamp does not change from red to blue

- Is there rubbish or dust on the house dust sensor?
→ Maintenance (P.EN21)
- Is the dust box full of rubbish?
→ Empty the dust box (P.EN18)
- The lamp (red) may come on more frequently when using the unit on new carpets. (Because more loose threads are picked up by the sensors)

Dust box full lamp

The lamp goes on when only a small amount of dust has been sucked

- Is there rubbish or dust on the house dust sensor?
→ Maintenance (P.EN21)
- Is there rubbish in the air intake?
Remove rubbish from the air intake (P.EN19)
(Since the suction power is lower in the LOW mode, some rubbish may be left over in the air intake causing the lamp to come on)

Timer cleaning

The main unit did not perform cleaning according to the set timer

- The main unit may fail to perform timer cleaning in certain conditions. (P.EN16)
- Is  on?

Odor

The exhaust smells of rubbish

- Have you left the main unit for a prolong period after sucking up rubbish with a strong smell?
 - Empty the dust box if the smell continues even after using the unit several times (P.EN18)
 - Clean the dust box (the filters) (P.EN19)

Noise

The operation noise gets higher

- Is the dust box full? (P.EN18)
- Is a foreign object such as cotton waste or hair tangled in the rotating brush? (P.EN20)
- Is there clogging inside the dust box (the filters)? (P.EN19)

The operation noise changes while the main unit is operating

- The main unit automatically adjusts the suction power according to the amount of rubbish and dust on the vacuuming surface.
This is normal.

The side brush makes a flapping sound during operation

- This is normal. Depending on the floor surfaces or conditions, rotating sound may be heard from the side brush.



The rotating brush makes a clattering sound during operation

- Is a foreign object tangled in the rotating brush or entered inside the brush cover?
 - Detach the rotating brush and brush cover, and remove the foreign object (P.EN20)

If the problem is not resolved after troubleshooting

- Take the product (main unit, battery, charging base, charging adapter) along with the warranty card back to the place of purchase.

Specifications

Specification				
Dimensions (W×D×H)		(Main unit) W 249 mm x D 249 mm x H 92 mm		
		(Charging base) W 134 mm x D 100 mm x H 99 mm		
Weight		2.0 kg (Main unit only)		
		0.6 kg (Charging base)		
Dust capacity		0.15 L		
Battery used		Rechargeable lithium-ion battery (Model No. AVV97V-RAH)	Nominal voltage	14.4 V 
			Rated capacity	1850 mAh
			Number of cells	4 cells
Battery life*		Approx. 1100 charges		
Continuous operating time		Approx. 80 min. (Fully charged, new battery/20 °C)		
Charging power supply (Charging adapter)	Model No.	AVV61V-RAH		
	Input	100-240 V ~ 50-60 Hz 0.8-0.4 A (Power consumption: Charging - Approx. 17 W, Removed from charging base - Approx. 0.3 W)		
	Output	22 V  1.2 A		
	Charging time	Approx. 3 hours (When charged from flat at ambient temperature of 20 °C)		
	Cord length	1 m		
Accessories		• Charging base (1) • Charging adapter (1) • Maintenance brush (1)		

*The discharge/charge cycles are based on using the main unit in AUTO mode. <Ambient temperature 20 °C (Varies depending on the ambient temperature, frequency of use, and operating environment/conditions)>

Panasonic®

使用說明書

智慧型吸塵器（家用型）

型號 **MC-RSC10**



RULO mini

感謝您購買本 Panasonic 電器產品。

■使用本產品之前，請仔細閱讀使用說明，並妥善保存以備日後參考查閱。

■在使用前，請務必閱讀「安全注意事項」（第 HK4 至 HK7 頁）。

■相片、插圖及顏色僅為參考圖像，可能與實物有所出入。



HK2

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維護




必要時

安全注意事項

請務必遵從

為防止對使用者及其他人士造成意外或受傷，以及造成財物損失，請遵從以下說明。

■下列項目為不當使用可能會造成的不同意外及損害程度。

	危險	表示重傷或死亡高風險。
	警告	表示嚴重傷害或死亡風險。
	注意	表示傷害或財物損失風險。

■下列符號為需要遵從的說明內容。

	表示禁止動作。		表示必須執行的動作。
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危險

■電池（充電式鋰離子電池）



請避免不當使用

- 請勿將電池用於非 MC-RSC10 裝置
- 請勿使用非專用電源供應器
（否則可能會引致電池洩漏、過熱或破裂）
- 請勿將電池置於火中或靠近熱源
- 請勿在暖爐等發熱機器附近、近火位置或炎熱天氣等高溫環境中充電、使用或長期放置
（否則可能會引致電池洩漏、過熱、起火或破裂）
- 請勿接觸水或其他液體
- 請勿用釘子刺入或使其遭受衝擊。請勿拆解或改裝
（否則可能會引致電池洩漏、過熱、起火或觸電）
- 請勿以可用金屬或其他金屬接觸接插端子而使其短路
- 請勿與項鍊或髮夾等金屬一同搬運或存放
（否則可能會引致電池短路、過熱或起火）



■主機、充電底座、電源供應器



請勿在易燃物體或燃燒的物體附近使用，避免吸入

（否則可引致爆炸及火警）
暖爐等發熱機器、香煙、影印機碳粉、燃料、稀釋劑等



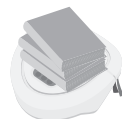
請勿接觸旋轉刷、輪胎或邊刷

（否則可能會引致受傷或燒傷）
►如家中有兒童，應特別小心。



請勿騎在主機之上、在機面放置重物或大力撞擊主機

（否則可能會引致受傷）



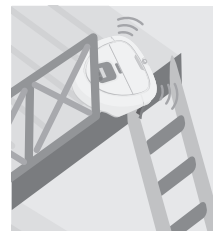
請勿將膠紙或貼紙貼在防跌落感應器上

（否則可能會令主機跌落而引致受傷、火警或觸電）



請勿在下列地方使用本產品

- （否則可能會令主機或充電底座跌落而引致受傷、火警或觸電）
- 挑高露台、沒有護欄的閣樓或走廊
 - 玄關、梯級、斜坡
 - 主機無法掉頭的狹窄位置
 - 雪櫃頂部之類的狹窄及懸高位置



警告



請避免不當使用

- 請勿在水中清洗（可水洗的配件與部件除外）
- 請勿在廁所及浴室等有水的地方使用
- 請勿自行拆卸、維修或改裝本產品
（否則可能會引致觸電或火警）
- 僅限使用產品隨附的充電電池
（否則可能會因溫度過高及著火引致危險或火災）
- 請勿用沾濕的手拔插電源供應器
（否則可能會引致觸電）
- 請勿損壞電源供應器（例如捲入旋轉刷、刮花、自行改裝、置於取暖裝置附近、扭曲、彎曲或用力拉扯，或將重物置於上方）
（否則可能會因短路而引致觸電或火警）
→如需進行維修，請向零售商查詢。
- 請勿插入過多電源插座或電源線
（如因連接過多插頭等超過額定功率，可能因過熱而引致火警）
- 請勿使用電源供應器對本產品以外的充電式電池或用完即棄電池進行充電
（否則可能會因過量電流而引致漏電、過熱或爆炸）
- 請勿使用損壞的電源供應器
（否則可能會因過熱或起火而引致火警）
- 請勿用金屬接觸充電底座電子連接器或電源供應器插頭及充電接口（P.HK21）
（否則可能會因短路而引致洩漏、過熱或起火）



請勿任由兒童獨自使用本產品，或者在嬰幼兒可觸及的地方使用本產品

（否則可能會引致觸電、意外或受傷）

→ 請勿任由無法表達自我意識或無法操作本產品之人士使用本產品。



本裝置的設計並非提供身體、知覺或心智能力退化或缺乏經驗及知識的對象（包含兒童）使用，除非經某人的監督或指導並負責使用者的安全，方能使用本裝置為維護兒童安全，請在成人監督下使用

（否則可能會引致燒傷、受傷或觸電）



如線纜受損，需更換電源供應器以避免發生危險

（可能因短路而引致觸電或火警）



請遵從以下事項

- 如有貓狗等寵物，請將寵物放到籠、圍欄內或移動到其他地方
（否則可能會引致觸電、意外或受傷）
- 請在防跌落感應器變髒時進行維護
（否則可能會因主機跌落而引致受傷）
- 請在進行維護程序期間，或者只有兒童或寵物在場時關掉電源（P.HK9）
（否則可能會引致觸電或受傷）



請移走主機與之接觸時可能會導致意外的物體

（否則可能會引致火警、受傷或意外）

- 暖爐等取暖裝置、燃燒中的蠟燭、香煙或花盆等
（主機撞到此類物品時可能會令其掉落）
- 電風扇等控制台與主機高度相若的電器
（主機撞到此類電器時可能會按下控制台的按鈕）



正確使用電源供應器

- 請將插頭完全插入插座
（否則可能會因觸電或過熱而引致火災）
- 裝置清潔或維護之前，請先拔除插頭
（否則可能會引致觸電）
- 定期用乾布擦拭灰塵
（灰塵積聚可能會因濕氣而引致不完全絕緣甚至火警）

安全注意事項 (續)

請務必遵從

警告

■主機、充電底座、電源供應器



避免跌落、震盪或濺濕

(否則可能會引致過熱、起火或觸電)



如出現異常情況或故障，請立即停止使用並關掉電源 (P.HK9)，並拔除電源供應器

(否則可能會引致出煙、起火或觸電)

異常情況或故障例子：

- 按下開始 / 停止鍵後，仍然無法運作
- 移動電源供應器後，主機連接燈不斷閃爍
- 運作期間發出異常聲音
- 主機變形或異常灼熱
- 有燒焦氣味

→ 請立即前往售賣店鋪要求進行保養及維修。

■電池 (充電式鋰離子電池)



請勿濕手接觸電池

(否則可能會引致過熱、起火或觸電)



如發生電池洩漏而有液體濺到眼睛，請勿揉搓，應用清水徹底清洗

(否則可能會引致失明)

→ 請立即求醫。



如電池組洩漏，請將電池封存於膠袋並依照本地住宅區法規安全回收

(可能因誤觸液體引致肌膚痕癢或受傷)



如欲為電池充電，僅限使用裝置隨附的可拆式電源供應器

充電底座 (型號 AVV79V-RAH)
電源供應器 (型號 AVV61V-RAH)

注意

■主機、充電底座、電源供應器



請勿靠近火種

(否則本產品排出的氣體可能會令火勢蔓延，引致火警)



請勿干擾主機運作

(否則可能會引致主機翻倒或受傷)



請勿在產品運作期間於桌上放置物件

(否則主機撞到時可能會引致物件損壞)



請勿在容易損壞的地板覆蓋物料或地板 (打蠟後的地板、大理石地板等) 上使用本產品

(否則可能會引致損壞或刮花)

→ 如引致地板覆蓋物料或地板損壞，請停止使用。



請勿在損壞或殘舊的地板覆蓋物料或地板上使用

(否則可能會引致進一步損壞或令損壞範圍擴大)



請避免不當使用

- 請勿拖拉主機
- 如果刷蓋、絨布條、輪胎、滾刷或邊刷開始磨損，或者以上部件黏附沙礫、碎石等異物，請停止使用
→ 使用前請檢查本產品，如有磨損，請向售賣店鋪查詢。
(否則可能會引致地板刮花)
- 拔除電源供應器時，請勿拉扯電線
(如此可能因短路而引致觸電或火警)

使用注意事項

準備

■電池（充電式鋰離子電池）



請勿放置於盛載物件或容易跌落的地方
（否則可能會引致過熱、起火、觸電或受傷）



如發生電池洩漏而有液體濺到身體或衣服，請用清水徹底清洗
（否則可能會引致皮膚發炎或受傷）



請存放在濕度低及灰塵少的地方
（否則可能會引致過熱、起火或觸電）

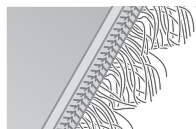


裝置廢棄之前，請取出電池（P.HK17）
（否則可能會引致著火、觸電或意外）



請遵從以下事項

- 請在清潔前移走易碎品及容易被吸入的物品
- 請移走長繩狀或電線等物品、附有花邊或流蘇等裝飾的地板覆蓋物料（地毯和地墊等）及坐墊
- 請避免在無法移走此類物品的地方使用本產品
（否則可能會引致損壞或刮花）



搬運主機時，請先停止運作 再用雙手移動主機

（否則可能會因主機跌落而引致地板受損）

→ 請勿接觸控制台。

→ 請小心輪胎或旋轉刷，以免夾傷手指。



本產品不可作工業或其他清潔以外之用途。

■請勿使用本產品吸入下列物品（否則可引致故障及異味）

- 抽濕粉 • 黏有寵物排泄物的物品 • 大量粉末（例如滅火器中的粉末）
- 玻璃、釘、針、牙籤 • 有水分的物品 • 地毯流蘇花邊
- 水及其他液體 • 長線 • 黏性物品（捕蟲膠紙等）
- 食物保鮮紙或其他包裝膜等不透氣的物品

■請勿在有大量沙粒或寵物砂的地方使用本產品（否則可能會引致故障）

■請勿推壓輪胎使其變形（否則可能會引致失靈）

■請勿為旋轉刷添加潤滑油（否則可能會引致損壞）

■請勿堵塞吸氣口或出氣口（否則可能會因過熱而引致變形）

■請勿在安全系統運作時使用本產品

（否則可能會引致安全系統失靈）
請勿在安全系統運作期間預設操作開始時間。

■請勿在主機或充電底座的各個感應器、紅外線發射器、紅外線接收器貼上膠紙或貼紙，或者用布遮蓋 （否則可能會引致失靈或故障）

■請勿在表面堅硬、凹凸不平的混凝土地板等地方上使用本產品清潔 （否則可能會引致刷蓋、絨布條、輪胎、滾刷或邊刷磨損）



■請將電源供應器的電線貼著牆壁使用，以防主機被卡住

■請移開其他電器的電線或繩索等物品

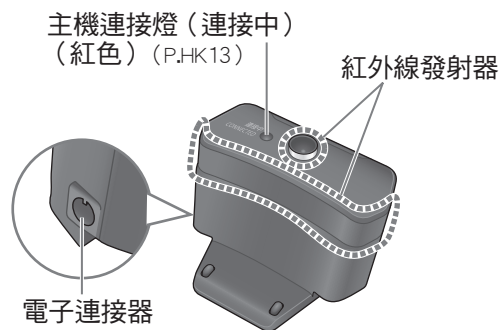
（否則可能會因被電線纏繞等而引致故障或失靈）

部件名稱

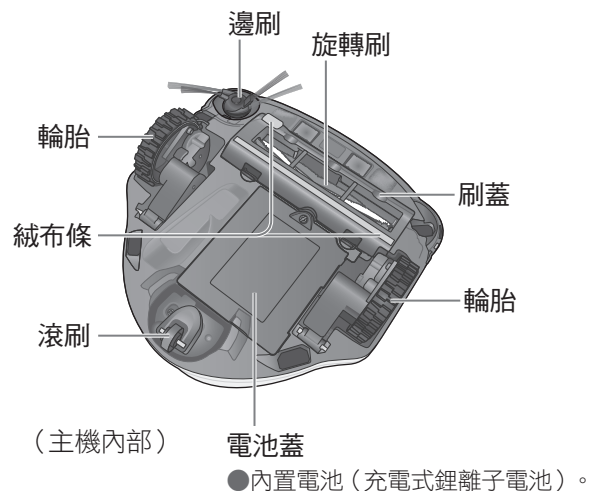
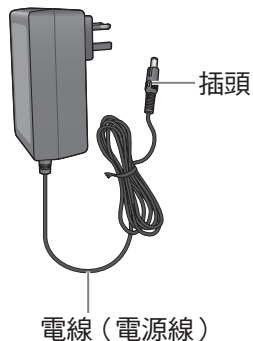
檢查產品附屬配件

 的部件為隨產品附上的配件。

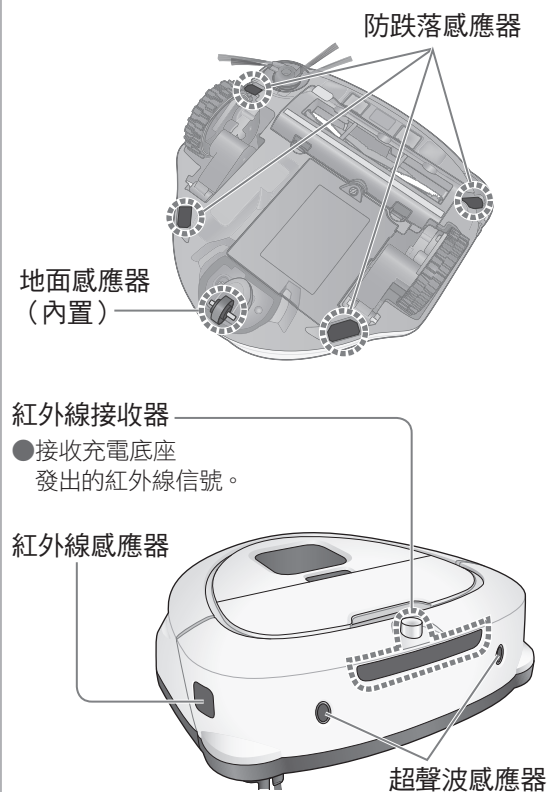
充電底座（主要部分）



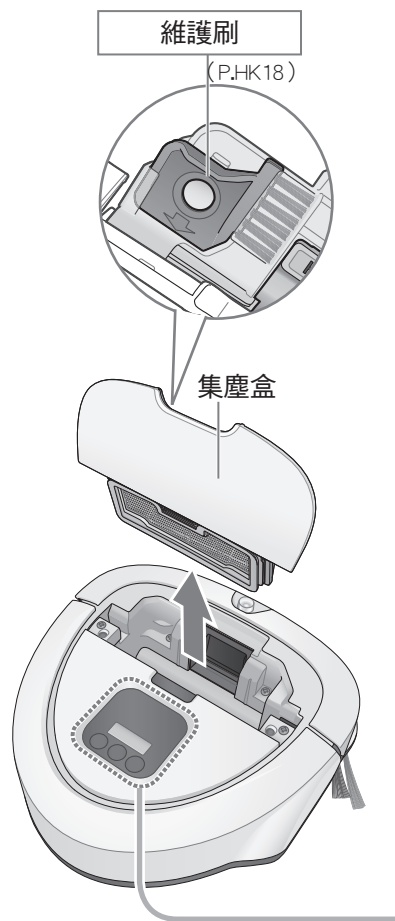
電源供應器



感應器



- 超聲波感應器及紅外線感應器可偵測到障礙物，令主機在運作時可繞過障礙物。（在某些情況下可能無法偵測障礙物（P.HK27））
- 防跌落感應器可以偵測到大約 10 厘米以上的高低差，防止主機跌落。



控制台

集塵盒顯示燈（紅色）(P.HK18)

剩餘電量顯示燈（藍色）(P.HK13)

計時器顯示燈（藍色）(P.HK16)

顯示屏

Hours after

開始 / 停止鍵 (P.HK14)

「主功能」鍵 (P.HK15)

「預設時間」鍵 (P.HK16)

「模式」鍵 (P.HK14)

開啟電源時

將主機置於充電底座
(顯示燈會順序 (由下而上) 亮著)

可以操作的狀態 (就緒狀態)
(· 顯示屏亮著)

- 如果在 5 分鐘內沒有進行任何操作，主機將會進入待機狀態 (睡眠狀態)，減少電池消耗。
(全部顯示燈熄滅)

關閉電源時

從充電底座移走主機，
 長按 3 秒以上
(顯示燈會順序 (由上而下) 亮著)

關閉電源 (全部顯示燈熄滅)

- 關掉電源及放置於充電底座後，主機就會進入就緒狀態。

關於操作

睡眠狀態 (全部顯示燈熄滅) 時，

按下

就緒狀態 (· 顯示屏亮著)

選擇運作模式

按下 切換清潔模式。

自動清潔模式

靜音清潔模式

定點清潔模式

使用前

整理房間

確保產品運作暢順

請執行羅列於右方的事項。

主機可能會停止運作、纏住地墊或地毯，
或者引致家具損壞

- 預先整理房間
- 移至另一個房間
- 放置代替牆壁的物品（有需要保護的物品時）

請勿在以下地方使用本產品 （主機可能無法正常移動，或者被物品纏繞）

- 纖維長度達到 2 厘米或以上的地毯
- 材質輕薄柔軟的地毯、地鋪或地墊
- 表面反光（玻璃、鏡、大理石等）的地板、深色地毯或地板
（否則可能會引致地板覆蓋物料或地板受損、主機失靈或故障）
- 面積少於大約 28 厘米的狹窄空間
- 高低差大約 2 厘米或以上的地方（視乎情況而定，本產品亦有機會無法爬上
高低差少於大約 2 厘米的地方）
（否則可能會引致主機在移動中途或者在爬上有高低差的地方時停止運作）

可能會意外吸入的物體 可能會損壞地板的物體

- 香煙、線香或蠟燭等燃燒中的物品
- 容易被吸入的細小物體
- 硬幣
- 寵物排泄物或液體
- 放置在地板上的易碎品，如玻璃製品或陶瓷
- 黏性物品（捕蟲膠紙等）
- 金屬或塑膠等硬物
- 珠寶首飾等貴金屬
- 細小石頭



主機意外碰撞後 可能會導致失靈的物體

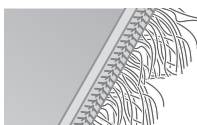
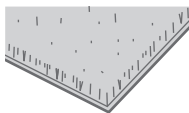
- 控制台與主機高度相若的電器

主機意外爬上後 可能會損壞的物體

- 主機可能會爬上的高身家具（如衣帽架）或電器（如電風扇）

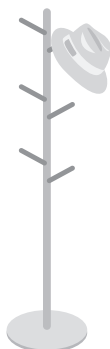
容易纏繞旋轉刷、滾刷、輪胎或邊刷的物體

- 纖維長度達到 2 厘米或以上的地毯
- 材質輕薄柔軟的地毯、地鋪或地墊
- 薄身的地板覆蓋物料，如浴室墊
- 防滑橡膠墊等有黏力的薄身地板覆蓋物料
- 地板覆蓋物料或地板座墊的流蘇花邊
- 桌布和窗簾垂落的部分
- 電器的電源線
- 繩索或皮帶等幼長物體
- 薄身的紙張、布料或膠袋



妨礙主機移動的物體

- 地板坐墊、地鋪、書本或雜誌等
- 電熱墊控制台等



主機意外碰撞後 可能會翻倒的物體

- 衣帽架等幼長而輕巧的家具

應避免產品到達的地方

- 容易損壞的建築材料、家具或牆身（紙門、趟門、摺門等）
- 高低差會令主機爬上後無法移動的地方
- 與地面接觸的窗戶、遮簾或鏡子等
- 樓梯、玄關等
- 會發熱的機器，如暖爐
- 主機停止運作時無法觸及的地方（例如難以移動的家具底下）

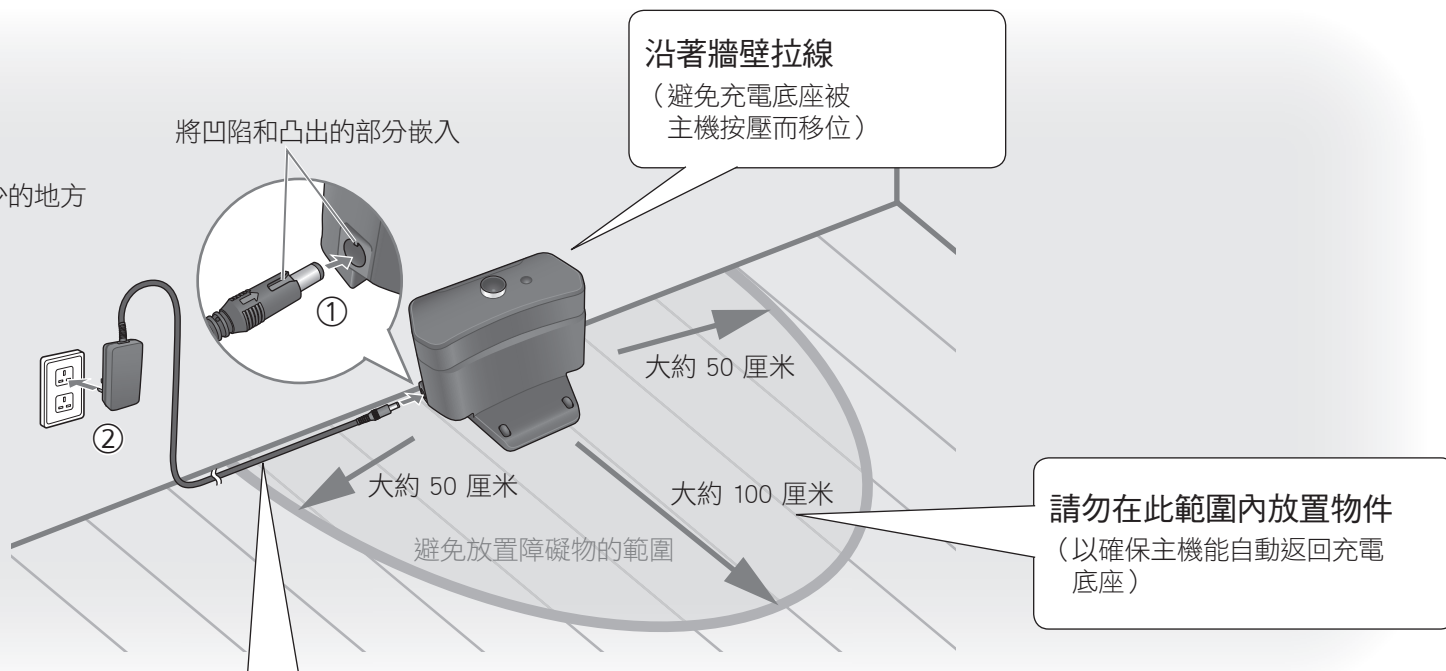
- 如果房間被陽光直射，請拉上厚窗簾，以免產品出現失靈的情況

充電

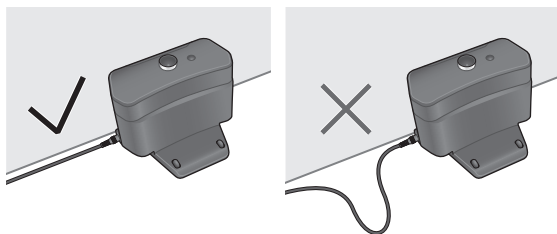
安裝充電底座

安裝位置

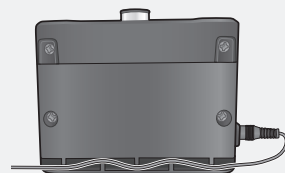
- 經常使用主機的房間
- 地面平坦、無高低差的地方
- 空間較多、障礙物較少的地方



鬆開捆著的電線並沿牆壁拉好



插座位置



請依照左圖將電線安放在充電底座背面的溝槽裡

備註

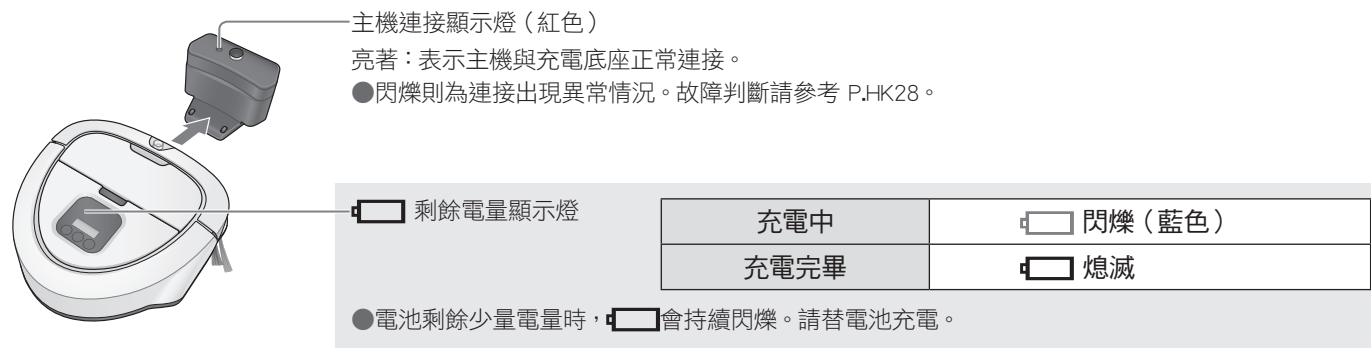
- 在某些情況下，主機可能無法正確接收充電底座發出的信號。(P.HK27)
- 陽光 (包括透過磨砂玻璃) 射進房間時
- 使用會發出紅外線信號的裝置時

將主機連接到充電底座

產品內置的電池在購入時並未完全充電，使用前請務必充電（充電時間大約 3 小時）

延長電池壽命

- 如有一個月以上的時間不會使用本產品，請在充滿電後關閉電源並以保存電量，及後至少每年充電一次。
（在未完全充電的狀態下存放主機，會影響電池效能及縮短其壽命）
- 請於室溫為 5 °C 至 35 °C 的地方充電。如果在室溫過低或陽光直射等高溫地方充電，主機將無法正常充電。
本產品的運作時間可能會因此縮短，充電時間亦會相應變長。



注意

- 如果主機連接顯示燈沒有亮著，或者立即熄滅，請重新將主機放到充電底座。
（放置正確的話，主機連接顯示燈就會亮起）
- 如果本產品放置六個月或以上沒有使用，電池就可能過度放電，縮短主機運作時間。因此在重新使用前請務必替電池充電。
- 如果出現無線電或電視等干擾情況，請將充電底座移至最少一米外的地方。

備註

- 電池溫度會因環境溫度、使用時間等因素而產生變化。
如果電池溫度過高或過低，在電池回復適合充電的溫度前，主機會自動進入待機狀態，並可能令充電時間延長。（最長約 8 小時）
- 在電池充電期間，主機、充電底座、變壓器可能會變暖，此為正常情況。
- 本產品的運作時間可能會因電池溫度或使用時的狀況等而有所出入。
- 電源供應器即使處於非充電狀態，亦會消耗大約 0.3 W 的電力。
- 電源供應器可能會發出聲音，此為正常情況。

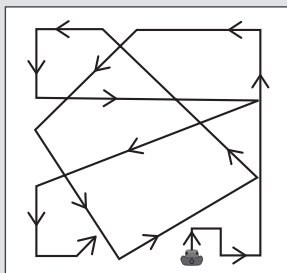
清潔

自動清潔模式 / 靜音清潔模式 / 定點清潔模式

主機處於睡眠狀態時，請按下  切換至就緒狀態 (P.HK9)

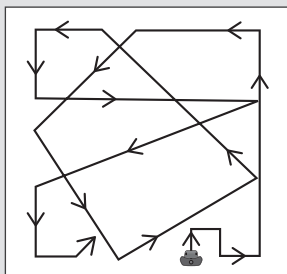
自動清潔整個房間 自動清潔模式

主機會一邊自動轉換方向，一邊沿著牆身和在房間中央有效率地移動清潔。
當微塵感應器發現灰塵時，主機就會調整吸力及移動路線。
如果主機判斷出灰塵處於角落位置，就會延長清潔時間仔細清理。



比自動模式更加安靜地進行清潔 靜音清潔模式

移動速度比自動模式緩慢，安靜地進行清潔。
清潔時間則會比自動模式長。



定點清潔個別位置 定點清潔模式

以開始位置為中心，向外進行螺旋式清潔，移動範圍直徑達到 1.2 米後，就會一邊向內進行螺旋式清潔一邊返回中心位置。

- 清潔位置可能會因地板狀態不同（如鋪設了地毯等）而有所偏差。
- 遇到障礙物時，會一邊避開障礙物一邊清潔，不會依照移動路線示意圖移動。
- 無法預設運作時間。



選擇運作模式

1 按下  切換顯示台
(操作方法→ P.HK9)



選擇



選擇


在定點清潔模式下，請將主機搬到想要清潔的地方再開始操作




選擇

2 開始清潔

按下 

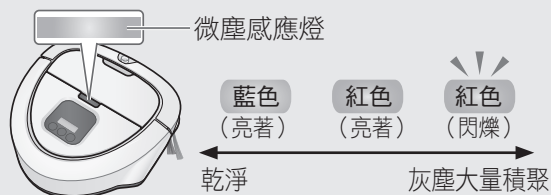
按下 

按下 

集塵盒變滿的時候，會亮起。請清理機內灰塵。（P.HK18）

開始清潔

進行清潔期間，
如果微塵感應燈亮著，
則代表有肉眼看不見的灰塵。
（能夠偵測花粉等微細的家居灰塵）



- 連接微塵感應器，自動調整吸力。如果積聚了大量灰塵，請仔細清理。

備註

- 返回充電底座時不會亮燈。



注意

- 如果不希望主機移動到其他房間，請把門關上。

備註


- 向後移動時，因為探測不到障礙物，可能會發生碰撞。
- 在充電底座以外的地方亦可以開始進行清潔。
- 主機在清潔期間會避開充電底座移動。

清潔完畢


- 主機判斷清潔已經完畢時，會自動返回充電底座。
（如果主機沒有自動返回，請將其搬回充電底座，或者按下  令主機返回充電底座）
- 主機會根據房間大小及灰塵數量而決定清潔時間。即使房間大小相同，清潔時間也可能會因充電底座位置、家具佈局或灰塵數量等因素而有差異。
（自動清潔模式：最長大約 50 分鐘）
（靜音清潔模式：最長大約 60 分鐘）
- 如果電池電量在清潔期間即將耗盡，而且  開始閃爍，主機就會停止清潔並自動返回充電底座。

注意

- 以靜音清潔模式運作時，請定時清理主機內的灰塵。（P.HK18）

- 清潔完畢後，請將其搬回充電底座，或者按下  令主機返回充電底座。

備註

- 因應不同的使用狀況，按下  後主機亦有可能不會返回充電底座。（P.HK27）

清潔




預設清潔時間

在指定時間內進行清潔（自動清潔模式 / 靜音清潔模式）

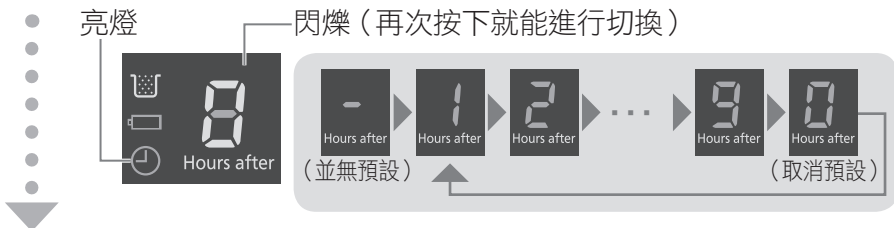
●可以預設由現在起計算的 1 至 9 小時內開始自動清潔。

進行預設

●主機處於睡眠狀態時，請按下  切換至就緒狀態 (P.HK9)

1 按下  選擇運作模式 ( 或者 )

2 按下  選擇預設時間



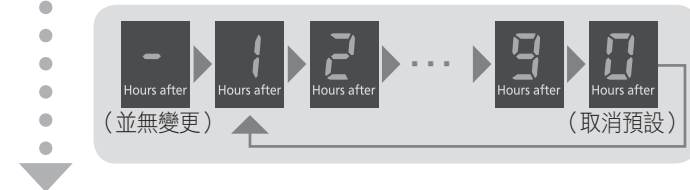
預設將在 2 秒後完成（預設時間會顯示 30 秒）

取消預設

●主機處於睡眠狀態時，請按下  切換至就緒狀態 (P.HK9)



按下  選擇  （取消預設）

再次按下就能進行切換



預設將於 2 秒後取消， 熄滅

備註

- 關閉電源會取消預設。
- 在下列情況下，預設清潔將不會開始運作：
 - 預設時間開始時主機已經在進行清潔
 - 電源關閉時
 - 電池只剩餘少量電量時 ( 閃爍中)
 - 集塵盒積聚大量灰塵時 ( 亮著)
- 無法預設定點清潔模式。如果選擇定點清潔模式進行預設，主機將會以上次的清潔模式（定點清潔模式除外）開始預設的清潔運作。
- 預設期間亦可進行清潔。如果在進行預設後變更運作模式，主機就會以該清潔模式（定點清潔模式除外）開始預設的清潔運作。

更換電池（電池棄置）

電池為消耗品

如電池經適當充電後，運作時間仍大幅下將，代表電池已達使用年限。

請更換新電池。

可於當初購入本產品的地點購買替換電池（另售）。

關於充電式鋰離子電池

隨著電池反覆使用，使用時間會逐漸縮短。視使用情況而定，電池壽命會因環境溫度及使用時間與充電 / 放電週期長度變短。

使用過的電池不應拆解並與一般家庭垃圾丟棄。請根據市政條例將電池攜至蒐集定點。如需更多資訊，請聯絡零售商或本地垃圾管理機構。

處理使用完畢的電池

- 請用透明膠紙或絕緣膠紙將電子連接器封住。
- 請勿拆開電池。

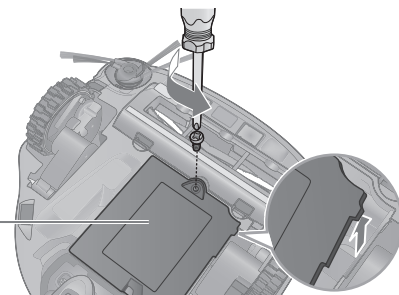
注意

- 取出電池之前，請反覆操作主要裝置，直到電池完全放電為止。
- 取出電池的時候必須將裝置與電線中斷連接。
- 電池需經妥善處理始可棄置。

1

請關閉電源（P.HK9），取下電池蓋

- 轉動螺絲，取下電池蓋

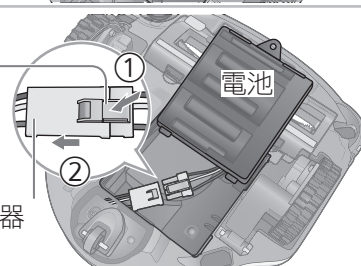


2

取出電池，移除電子連接器

- ①一邊按下電子連接器的末端

- ②一邊拔去電子連接器

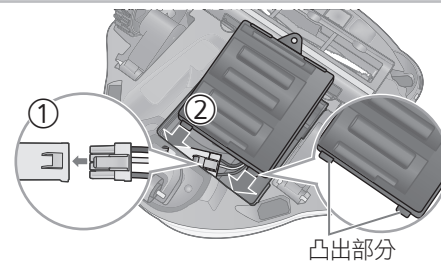


3

安裝新電池

- ①請將新電池的電子連接器插進適當位置，直至聽到「咔嚓」聲為止

- ②一邊按著電子連接器底部，一邊裝入電池

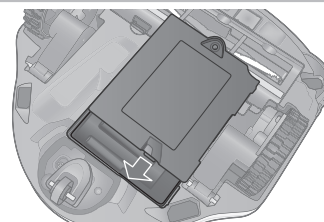


檢查電池兩處凸出的部分是否已經收入內側

4

合上電池蓋

- 轉動螺絲，合上電池蓋

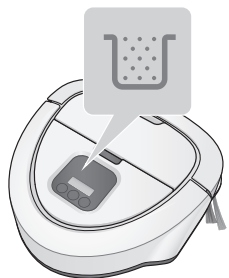


清理灰塵（主機維護）

灰塵積聚時 顯示燈會亮起

集塵盒顯示燈（紅色）
亮著時

請清理機內灰塵並進行
維護。




灰塵積聚方式會因種類不同而有異。

備註

- 即使進氣口沒有大量灰塵，顯示燈也有可能會亮起。（請取出集塵盒，清除進氣口的灰塵）
- 以靜音清潔模式操作時，集塵盒會較快變滿。（吸力變弱，集塵盒內的灰塵難以壓縮）
- 微塵感應器變得骯髒時，也有可能會亮燈。（進行維護→P.HK21）
- 清潔新地毯時，集塵盒會因為脫落的線頭而較快變滿。

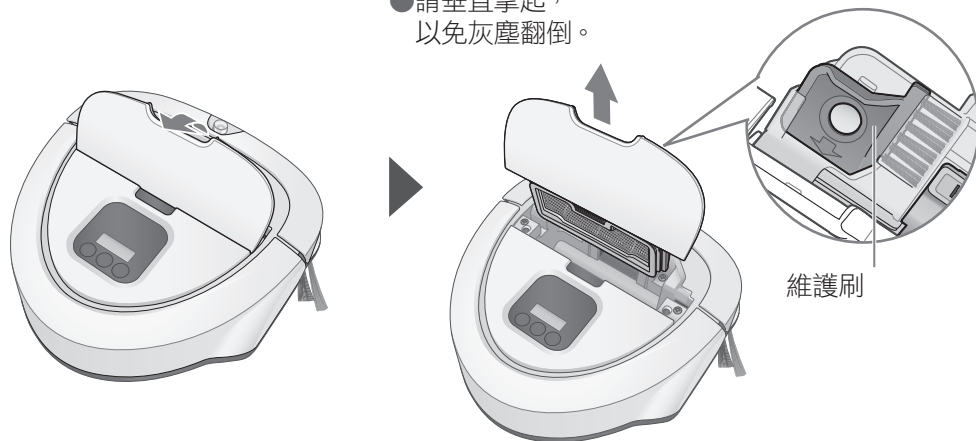
注意

- 即使  沒有亮燈，也應該每個星期清理灰塵一次。

清理集塵盒

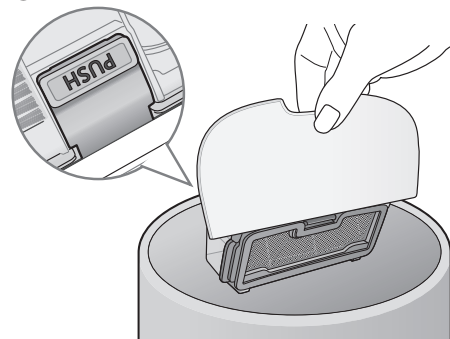
1 取出集塵盒

- 請垂直拿起，
以免灰塵翻倒。

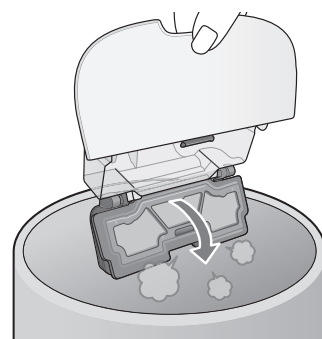


2 清理灰塵

①按壓「PUSH」的部分

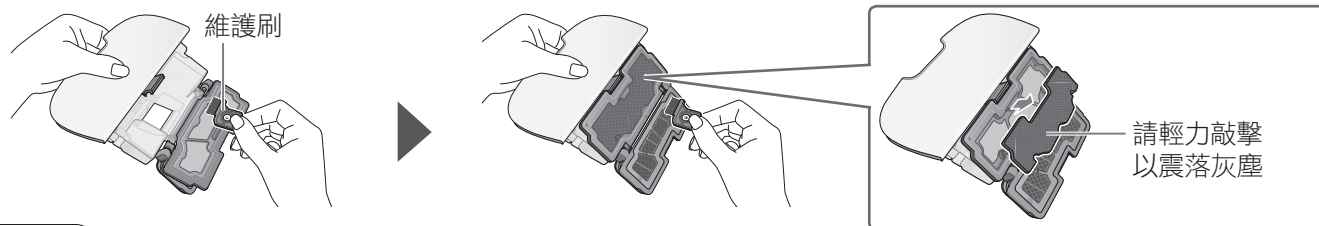


②清理灰塵



維護

1 仔細清除全部灰塵

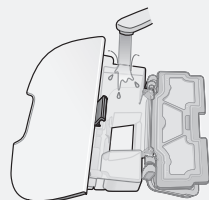


注意 ●請勿大力按壓維護刷。(否則可能會引致破損)

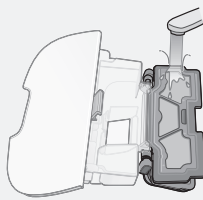


如果集塵盒很骯髒，
亦可用水沖洗
(請先徹底風乾才放回原位)

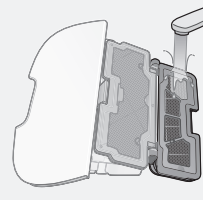
■集塵盒



■濾網



■過濾器



■海綿過濾器



按到水中沖洗

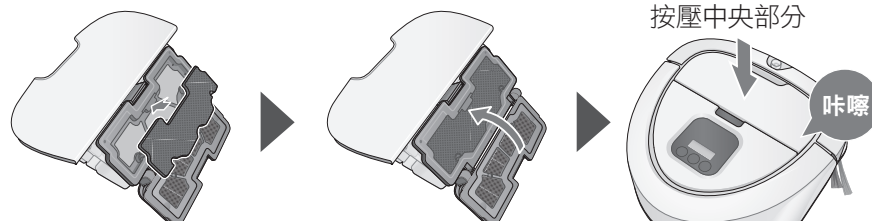
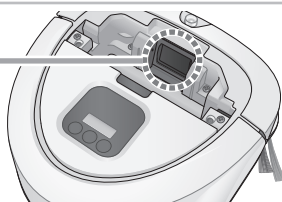
- 請勿揉搓或用洗衣機清洗 (否則可能會引致皺縮或變形)
- 徹底風乾

注意

- 請勿使用洗潔精、苯、稀釋劑、酒精等溶劑沖洗。(否則可能會引致裂痕或褪色)
- 請將集塵盒放置於通風良好的地方大約 24 小時，令其徹底風乾。(否則可能會引致異味及堵塞)
- 請勿用風筒或其他熱風吹乾。(否則可能會引致變形或故障)

2 清除進氣口的灰塵

- 如果無法取下，請拆出旋轉刷進行維護。(P.HK20)



①裝回海綿過濾器

②關閉集塵盒

③將集塵盒裝回主機內

3 放回集塵盒，安裝於主機內

維護

顯示錯誤代碼 (P.HK24) / 主機被纏住 / 出現異常情況時

進行維護前，請關閉電源 (P.HK9) 並拔除電源供應器。

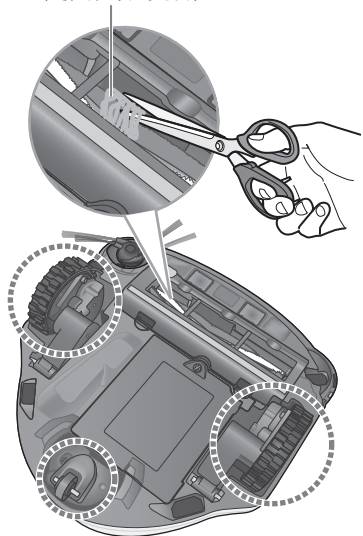
主機內部、旋轉刷、刷蓋

清除 部分的灰塵



取下
旋轉刷及刷蓋

纏在刷上的異物可用剪刀沿著刷之間的夾縫剪斷

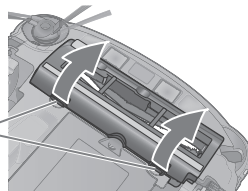


- 捲入刷裡的毛髮等異物可用鑷子等工具除去

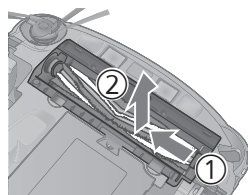
■用水清洗旋轉刷及刷蓋時

1 取下刷蓋

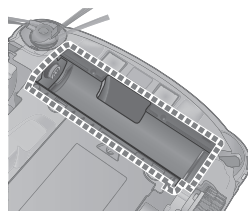
一邊按壓蓋邊的小鉤，
一邊沿箭嘴方向往上拉起



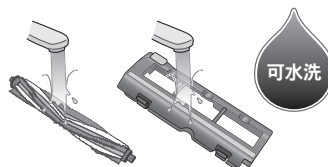
2 取出旋轉刷



3 清除 部分的灰塵



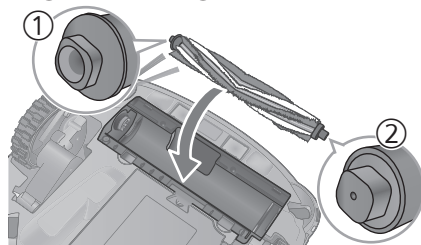
4 用水沖洗旋轉刷及刷蓋，再徹底風乾



■放回原位

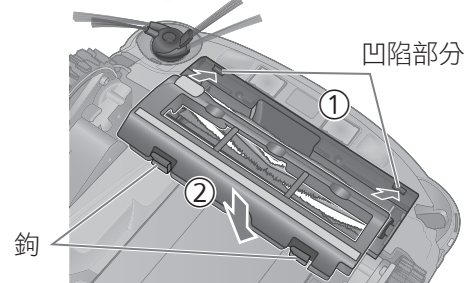
1 將旋轉刷裝進主機

把①嵌入
(一邊按著①) 一邊嵌入②



2 合上刷蓋

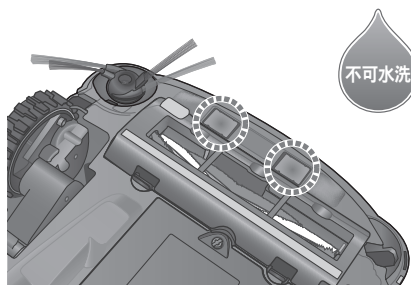
- ①在主機的兩處凹陷部分嵌入刷蓋凸出的部分
- ②按壓刷蓋的兩個小鉤，直至聽到「咔嚓」聲



- 裝好刷蓋，令邊刷不會被夾住

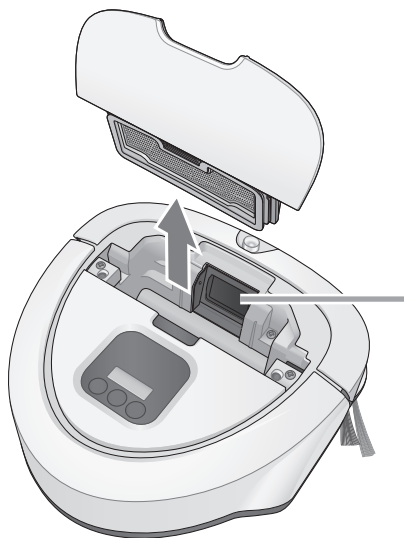
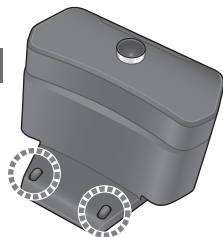
充電接口

清除  部分的灰塵



不可水洗

充電底座



注意

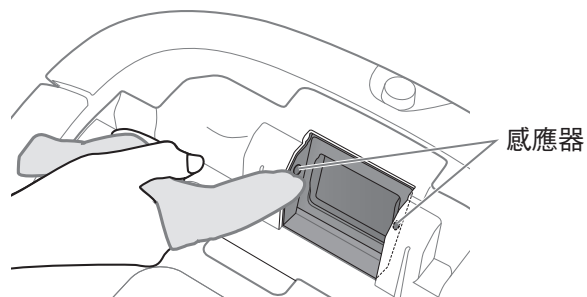
- 用水沖洗時
 - 請抹乾水分並徹底風乾。(否則可能會引致異味)
 - 請勿用風筒或其他熱風吹乾。(否則可能會引致變形或故障)
- 請勿使用洗潔精、苯、稀釋劑、酒精等溶劑沖洗。(否則可能會引致破裂或褪色)
- 用滲有化學藥劑的抹布擦拭時，請先閱讀相關說明。

微塵感應器

微塵感應燈無故亮起時
清理灰塵後  仍然亮著時

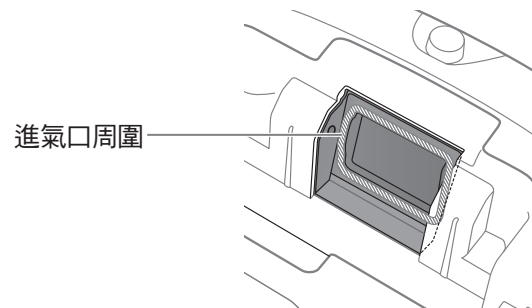
請用柔軟抹布擦拭

不可水洗



感應器

清除進氣口周圍的灰塵



進氣口周圍

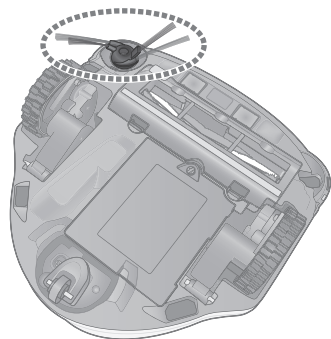
維護 (續)

顯示錯誤代碼 (P.HK24) / 主機被纏住 / 出現異常情況時

進行維護前，請關閉電源 (P.HK9) 並拔除電源供應器。

邊刷

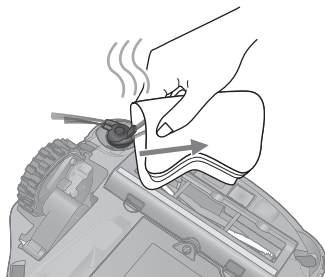
清除纏住 部分的灰塵



- 捲入刷裡的毛髮等異物
可用鑷子等工具除去
- 如果邊刷停止轉動或難以轉動，
請取下旋轉刷 (P.HK20)，
一邊轉動邊刷，一邊進行維護

維護邊刷 (刷毛捲曲或撐開時)

- 請用熱水浸透抹布，
將邊刷夾住大約 10 秒，
然後拉展刷毛擦拭

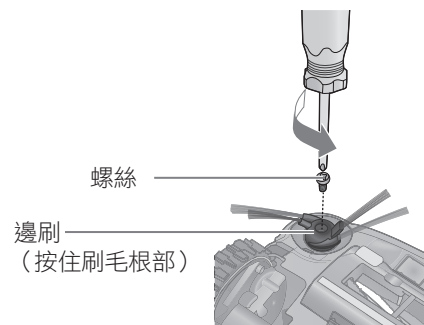


■ 取出邊刷清理灰塵時

1

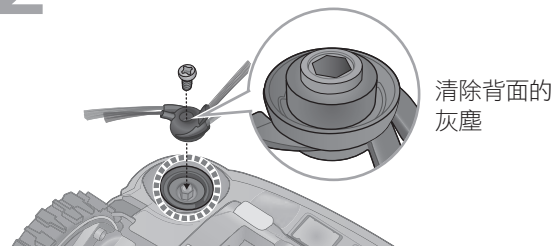
取出邊刷

- ① 一邊按壓邊刷
- ② 一邊移除螺絲



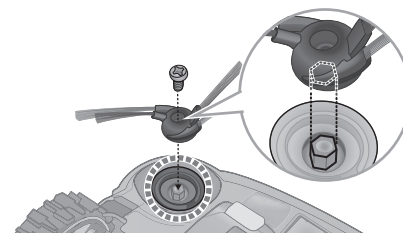
2

清除 部分的灰塵



■ 放回原位

確實地將邊刷嵌入，
裝回螺絲



主機、充電底座

請用柔軟濕布擦拭

- 將布擰乾



備註

- 邊刷為消耗品。
損耗速度視乎清潔的地板類型而異。
刷毛開始脫落或出現損壞時，請更換邊刷。
- 邊刷（另售）可聯絡經銷商購買。

注意

- 用水沖洗時
 - 請抹乾水分並徹底風乾。
（否則可能會引致異味）
 - 請勿用風筒或其他熱風吹乾。
（否則可能會引致變形或故障）
- 請勿使用洗潔精、苯、稀釋劑、酒精等溶劑沖洗。
（否則可能會引致裂痕或褪色）
- 用滲有化學藥劑的抹布擦拭時，請先閱讀相關說明。
- 邊刷較易沾上毛髮等異物，請仔細進行維護。

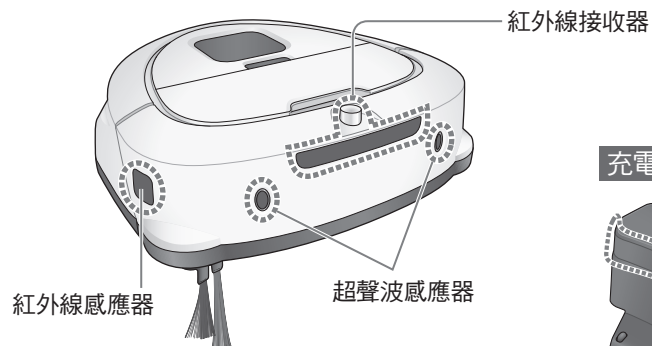
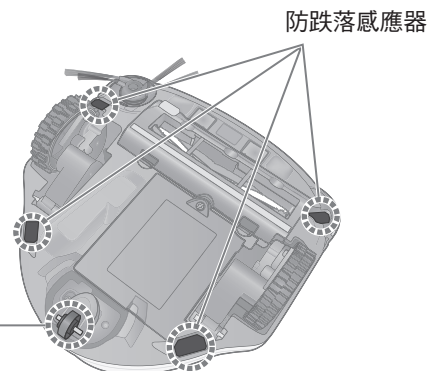
感應器、紅外線收發器

用柔軟濕布擦拭  部分

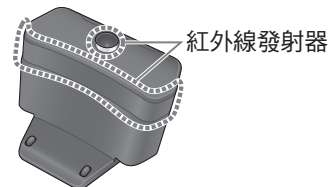
- 將布擰乾



大約每月一次



充電底座

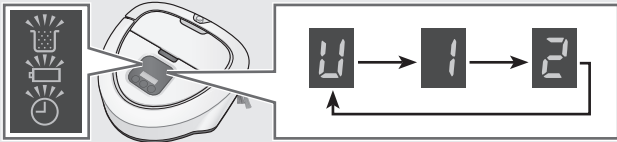


錯誤顯示

顯示錯誤內容

■控制台顯示燈快速閃爍及主機停止運作時，請檢查錯誤顯示（錯誤代碼）並採取適當措施。

例如)



●顯示屏會從「U」或「H」開始順序切換成數字，顯示不同錯誤代碼。（大約 5 分鐘）
按下開始 / 停止鍵就能取消顯示。

錯誤代碼	檢查項目	適當措施
U 1 2	旋轉刷或邊刷內是否有繩線或毛髮之類的異物纏繞？	→清除異物（P.HK20、HK22）
U 1 3	輪胎內是否有繩線或毛髮之類的異物纏繞？	→清除異物（P.HK20）
U 1 4	主機在移動中途或者爬上有高低差的地方時，有否停止運作？（P.HK10）	
	滾刷有否夾雜異物？	→清除異物（P.HK20）
U 1 5	緩衝器是否夾雜異物？有否被障礙物妨礙行進？	→清除異物或障礙物
U 1 8	超聲波感應器是否被布之類的物體遮蓋？有否變髒？	→進行維護（P.HK23）
U 1 9	紅外線感應器是否被布之類的物體遮蓋？有否變髒？	→進行維護（P.HK23）

錯誤代碼	檢查項目	適當措施
	主機在移動中途或者爬上有高低差的地方時，有否停止運作？（P.HK10）	
	防跌落感應器有否變髒？	→進行維護（P.HK23）
	防跌落感應器有否變髒？	→進行維護（P.HK23）
	主機在移動中途或者爬上有高低差的地方時，有否停止運作？（P.HK10）	
	有否在陽光直射的地方或者主機處於高溫時長時間使用本產品？	
	有否在陽光直射或高溫地方充電？（P.HK13）	
	有否在 0 °C 以下的地方充電？（P.HK13）	
	旋轉刷或邊刷內是否有繩線或毛髮之類的異物纏繞？	→清除異物（P.HK20、HK22）
	輪胎內是否有繩線或毛髮之類的異物纏繞？	→清除異物（P.HK20）

■顯示屏從「H」開始順序顯示數字時，即表示需要進行維修。




請檢查「H」後的兩位數字，立即關閉電源並拔除電源供應器，再聯絡購買本產品的店鋪。

故障判斷


在聯絡店鋪進行維修前，請先檢查以下各項。

運作

停止運作

-  是否正在閃爍？
→為電池充電 (P.HK13)
- 請檢查錯誤代碼。(P.HK24)
- 有否關閉電源？(P.HK9)
→將主機連接到充電底座

在運作途中突然停止

- 請檢查錯誤代碼。(P.HK24)
-  是否正在閃爍？
→為電池充電 (P.HK13)
- 主機是否被電線之類的物體纏繞？
- 輪胎是否捲入薄毛巾等布塊或繩狀物纏繞？
- 主機是否沒有爬上有高低差的地方而停止運作？
- 主機是否在深色地毯或地板上停止運作？(P.HK10)

在未有任何操作的情況下突然開始運作

-  是否正在閃爍？(P.HK16)

運作速度產生變化

- 當感應器偵測到障礙物，或者主機改變移動方向時，移動速度會變慢。
此為正常情況。

無法筆直前進

- 輪胎或滾刷內是否有異物堵塞？
→進行維護 (P.HK20)
- 超聲波感應器、紅外線感應器或滾刷（內置地面感應器）
是否已經變髒？
→進行維護 (P.HK23)

邊刷停止轉動或難以轉動

- 旋轉刷或邊刷內是否有繩線或毛髮之類的異物纏繞？(P.HK20、HK22)
- 請勿在纖維長度超過 2 厘米的地毯等地板覆蓋物料上使用本產品。
即使纖維長度在 2 厘米以下，視乎纖維的材質，主機有可能停止運作，
邊刷也有機會被異物纏繞。

邊刷脫離主機

- 邊刷有否正確裝回原位？(P.HK22)

主機撞到障礙物的情況變得頻繁

- 超聲波感應器或紅外線感應器是否已經變髒？
→ 進行維護 (P.HK23)
- 本產品後方並沒有偵測障礙物的感應器，因此在退後時可能會撞到障礙物。
- 主機可能會撞到桌椅腳、深色牆壁、家具、趟門、摺門、窗簾，或者附有滾輪電視櫃等底部離開地面的家具或裝置。

主機無法避開高低差而跌落

- 防跌落感應器無法偵測出小於 10 厘米的高低差。
(P.HK8)
- 防跌落感應器有否變髒？
→ 進行維護 (P.HK23)

旋轉刷停止旋轉

- 旋轉刷或邊刷內是否有繩線或毛髮之類的異物纏繞？
(P.HK20、HK22)

主機、充電底座

主機不返回充電底座

- 電源供應器是否已插入電源插座？
- 電源供應器是否已插入充電底座？(P.HK12)
- 充電底座前面約 100 厘米或側邊約 50 厘米的範圍內是否有障礙物？(P.HK12)
- 充電底座下是否夾有異物，令其稍微升起？
- 刷蓋是否正確合上？(P.HK20)
- 主機返回充電底座時，移動速度會比運作途中緩慢。在返回充電底座前，主機可能會重複數次返回動作。請等待主機完成動作。
- 如果主機在充電底座旁邊，主機可能無法正確接收充電底座發出的紅外線信號而無法返回充電底座。
請將主機置於充電底座前面約 50 厘米的位置，按下主按鍵。如果主機返回充電底座，則表示主機正在如常運作。
- 主機上的紅外線接收器或充電底座上的紅外線發射器是否已經變髒？
→ 進行維護 (P.HK23)
- 主機頂部有否貼上厚貼紙，或者在上面放置了其他物品？
- 有否在陽光直射的地方使用本產品？充電底座是否靠近會發射紅外線的其他裝置（如遠紅外線暖爐、其他裝置的遙控）？
陽光或其他裝置發射的紅外線可能會干擾主機，令其無法返回充電底座。
→ 用窗簾之類的物件遮擋陽光
(透過磨砂玻璃射入的陽光也可能會令同樣情況發生)
→ 如果會發出紅外線的裝置在主機或充電底座附近，請將此類裝置移到遠處
- 視乎主機與充電底座之間的距離，主機有時候可能無法返回充電底座。

主機或充電底座發熱

- 在運作期間、運作之後或充電期間，主機、充電底座、電源供應器可能會變暖，此為正常情況。

故障判斷 (續)


在聯絡店鋪進行維修前，請先檢查以下各項。

充電

無法充電（連接主機後沒有亮燈）

- 電源供應器是否已插入電源插座？
- 電源供應器是否已插入充電底座？(P.HK12)
- 主機是否正確連接充電底座？
→重新連接主機及充電底座（放置正確的話，主機連接顯示燈就會亮起）
- 充電接口是否有異物？→清除異物 (P.HK21)
- 刷蓋是否正確合上？(P.HK20)
- 電池的電子連接器是否已正確嵌入？(P.HK17)

剩餘電量顯示燈沒有熄滅（充電時間過長）

- 充電時間可能會受環境溫度、使用時間等因素影響，可能長達 8 小時。
- 如果已經充電 8 小時以上，但  仍未熄滅，表示裝置可能發生故障，請向購買本產品的店鋪查詢。

主機連接顯示燈閃爍

- 充電接口是否有異物？→清除異物 (P.HK21)

充電後運作時間仍然過短

- 有否在環境溫度過高或過低的地方充電？
→在室溫為 5 °C 至 35 °C 的地方充電 (P.HK13)
- 電池壽命有限，即使正確充電，使用時間也會逐漸縮短。
（電池壽命會因環境溫度、使用時間等因素而有異）
→更換電池 (P.HK17)

微塵感應燈

未有吸入灰塵但顯示燈（紅色）仍然熄滅 / 亮著
已經吸入灰塵但顯示燈（紅色）沒有熄滅 / 亮著

- 微塵感應器是否有異物或灰塵？
→進行維護 (P.HK21)
- 集塵盒是否已經載滿灰塵？
→清理灰塵 (P.HK18)

顯示燈沒有由紅色轉為藍色

- 微塵感應器是否有異物或灰塵？
→進行維護 (P.HK21)
- 集塵盒是否已經載滿灰塵？
→清理灰塵 (P.HK18)
- 如果是鋪著新地毯等物料地面，顯示燈（紅色）可能會較頻繁地亮著。（檢測到脫落的纖維）


集塵盒顯示燈

灰塵不多但顯示燈仍然亮著

- 微塵感應器是否有異物或灰塵？
→進行維護 (P.HK21)
- 進氣口是否有異物？
→清除進氣口的異物 (P.HK19)
（靜音清潔模式運作時，吸力會較弱，
進氣口可能會殘留灰塵，令顯示燈亮著）

預設清潔時間

主機沒有在預設的時間運作

- 因應主機的狀態，可能會無法依照預設時間運作。（P.HK16）
-  有否亮著？

氣味

主機排出的氣體有異味

- 主機有否吸入發出強烈氣味的物體？之後有否將之清理？
 - 重複使用本產品幾次後假如仍有異味，請清空集塵盒（P.HK18）
 - 維護集塵盒（包括過濾器）（P.HK19）

聲音

運作聲音變大

- 集塵盒是否已經載滿灰塵？（P.HK18）
- 旋轉刷內是否有繩線或毛髮之類的異物纏繞？（P.HK20）
- 集塵盒（過濾器）是否有異物堵塞？（P.HK19）

使用期間的運作聲音出現變化

- 主機會自動調整吸力以配合清潔地面上偵測到的灰塵數量。
此為正常情況。

使用期間邊刷發出聲音

- 此情況並非故障。因應地面種類或狀態，邊刷可能會在旋轉時發出聲音。



使用期間旋轉刷發出聲音

- 旋轉刷是否有異物？刷蓋裡面有否夾進異物？
 - 取下旋轉刷或刷蓋進行維護（P.HK20）

檢查後仍然有異常情況發生時

- 請將本產品（主機、電池、充電基座、電源供應器）連同保養卡攜至當初購入產品的地點。

規格

規格			
尺寸 (闊 × 長 × 高)	(主機) 闊 249 mm × 長 249 mm × 高 92 mm		
	(充電底座) 闊 134 mm × 長 100 mm × 高 99 mm		
重量	2.0 kg (淨主機)		
	0.6 kg (充電底座)		
集塵容量		0.15 L	
所用電池	充電式鋰離子電池 (型號 AVV97V-RAH)	標稱電壓	14.4 V 
		額定電容量	1850 mAh
		電池數量	4 枚
電池壽命※	重複充電 / 放電週期：大約 1100 次		
持續運作時間	大約 80 分鐘 (在 20 °C 的環境溫度下，充滿電的全新電池)		
充（電 電源 供應 器） 源	型號	AVV61V-RAH	
	輸入	100-240 V ~ 50-60 Hz 0.8-0.4 A (消耗功率：充電期間約 17 W，主機遠離充電底座時約 0.3 W)	
	輸出	22 V  1.2 A	
	充電時間	大約 3 小時 (在 20 °C 的環境溫度下，電池完全放電後開始充電)	
	電源線長度	1 米	
配件		• 充電底座 (1 個) • 電源供應器 (1 個) • 維護刷 (1 個)	

※ 此為在自動清潔模式下使用的充電 / 放電週期次數。< 在 20 °C 的環境溫度下（環境溫度、使用頻率、使用環境等因素會有所影響）>

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