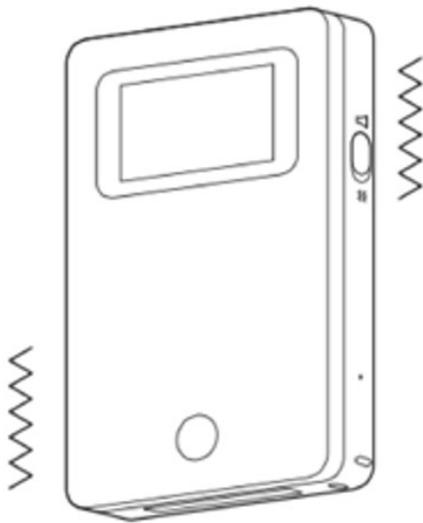


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Notification Pager Manual

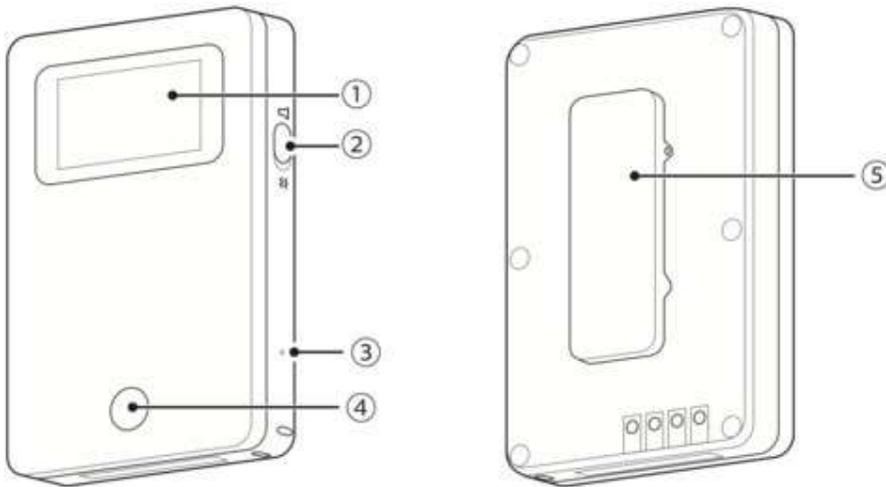


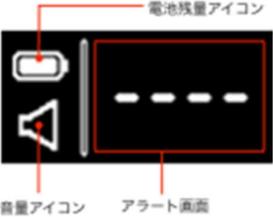
Notification Pager

Notification Pager Functions

Notification pager will notify the operator (Sound/Vibration) when irregular occur during autonomous cleaning or when the machine encounters obstacles. When using the notification pager for the first time, please take the pager out of the battery box and charge the pager. (⇒see "Recharging the Notification Pager").

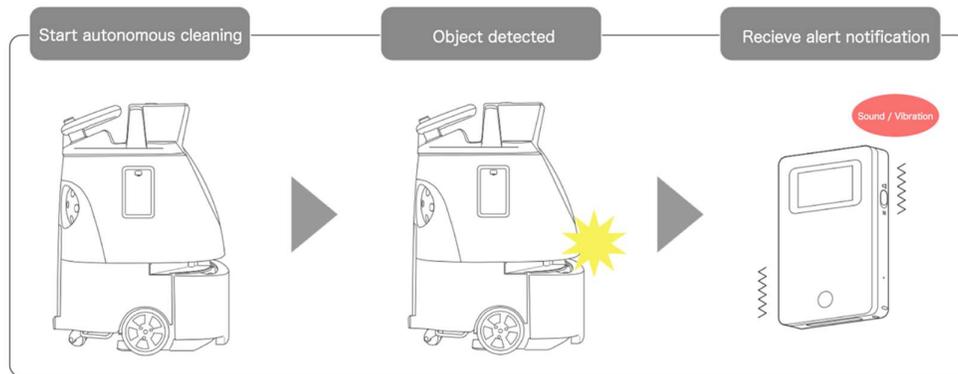
- Notification pager can only be used during autonomous cleaning.



No.	Item	Description
1	Display	The battery level icon and mute icon appear at the left of the display, and alerts appear at the right of the display.(⇒see "Alert display and its notification timing") 
2	Pager mute switch	To set the notification pager only to vibrate for alert notifications, set the pager mute switch on.
3	Power button	Use the given pin to turn the power On for the Notification Pager.
4	Pager main button	To stop the alert and vibration, press the pager main button.
5	Clip	Use the clip when placing the notification pager in your pocket, etc.

■ Notification Pager Functions & Usage

- When the machine detects danger or detects an obstacle, an alert will be displayed on the notification pager(⇒see "Alert display and its notification timing")and it notifies the operator by emitting an alert and vibrating. It emits an alert and vibrates for 15 seconds then stops for 5 seconds, which it repeats for 10 minutes. After the error with the machine has been resolved, the notification pager sounds for 1 second and its display indicates standby.
- To receive alert notifications, pair the machine and the notification pager. (⇒see "Pairing the Notification Pager") Once the display on the notification pager indicates communication, place it in the pager compartment to complete pairing.



- During autonomous cleaning, always carry the notification pager on you. Alerts cannot be received while the notification pager is in the pager compartment.
- The range in which the notification pager can communicate with the machine is a direct line up to 300 m (2 floors above and below).
 - * Range of communication depends on the environment. Communication may not be possible such as where there are walls with metal.
- After using the notification pager, place it in the notification pager charger (⇒see "Recharging the Notification Pager").
- If the notification pager won't be used for a long period of time (approx. 2 months) turn the switch Off (⇒see "Turning the Notification Pager On/Off")

■ Alert display and its notification timing

Appearing on display	Description	Appearing on display	Description
	Standby (within the communication range/paired)		Autonomous cleaning complete
	Machine battery level low		No machine battery remaining
	Dustbag full		Connected for wireless communication
	Connection for wireless communication not possible (outside communication range/not paired)		<p>Error alert</p> <ul style="list-style-type: none"> · When danger has been detected near obstacles or steps · When the emergency stop button has been pressed · When the machine goes off path during the operation

Turning the Notification Pager On/Off

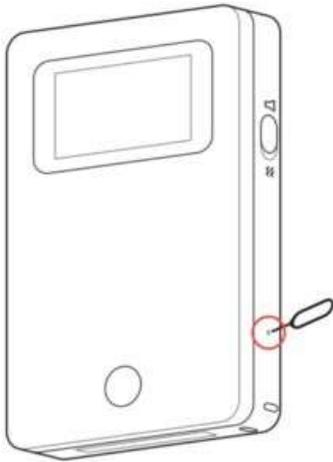
When using the notification pager for the first time, use the supplied pin to turn the power On.

■ Turning the Notification Pager On

1 Insert the supplied pin in the power button on the side of the notification pager

Keep the inserted pin pressed until the notification pager vibrates.

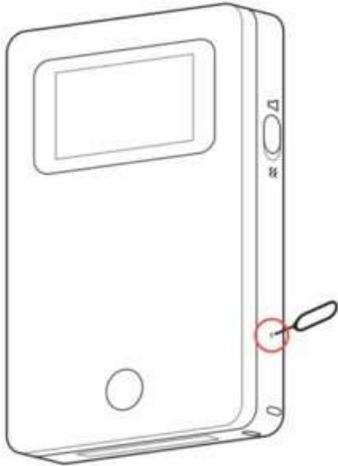
 An icon appears on the display.



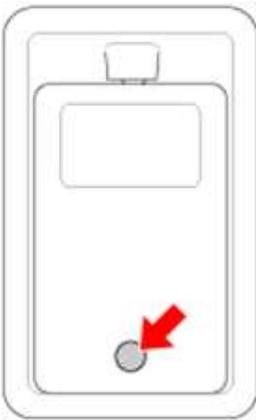
■ Turning the Notification Pager Off

1 Insert the supplied pin in the power button on the side of the notification pager

 The display goes out.



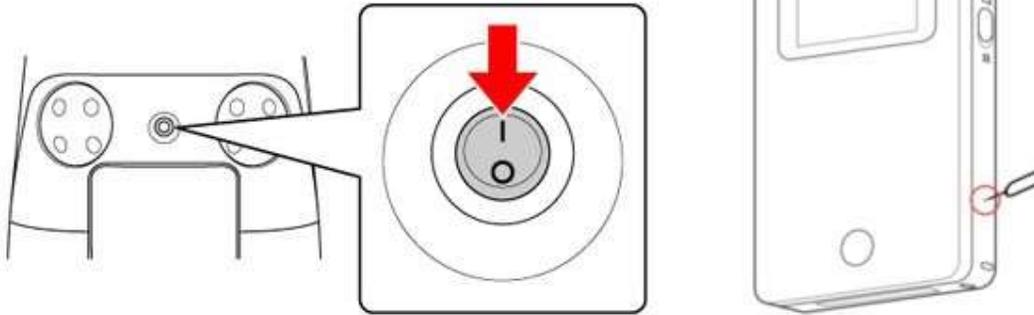
2 Press the pager main button, and check that nothing appears on the display



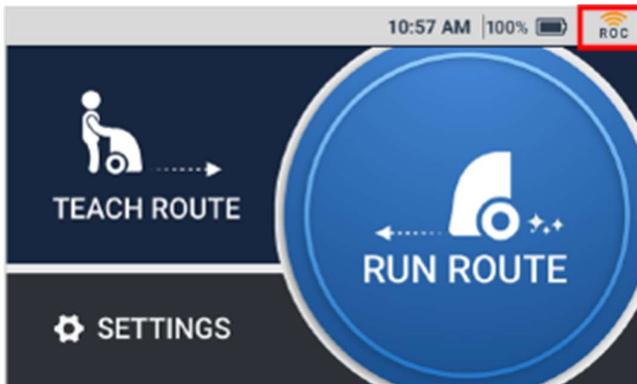
Pairing the Notification Pager

In order to receive the alert on the notification pager, the pager must be paired with the machine itself.

1 Turn On the notification pager and the machine



2 Check if the machine is connected to the Robot Operations Center (ROC)



- Please check your mobile phone cellular connection in advance. Robot Operations Center (ROC) will not be connected to LTE in an area where there is no signal.
- The connection status to the ROC will be shown by the ROC indicator on the display (⇒see "Touch Display")

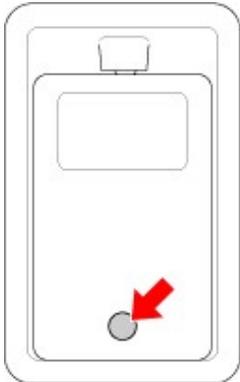
3 Press the button on the notification pager for at least 5 seconds



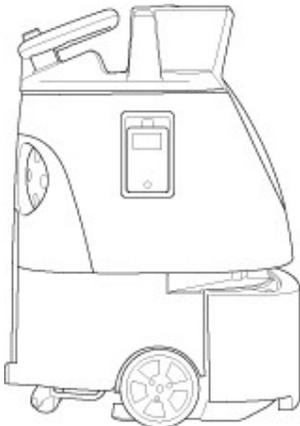
The message "Wireless connection in process"



will be shown on the pager's display.



4 Attach the pager on to the pager holder on the side of the machine



- Carry out autonomous cleaning and check if you will receive the alerts (⇒see "Carrying Out Autonomous Cleaning").

Recharging the Notification Pager

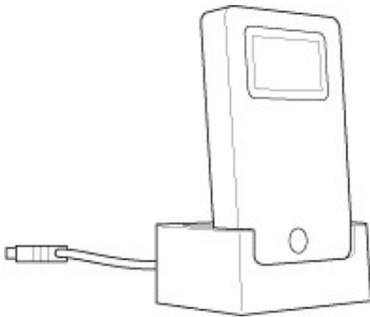
If notification pager battery is running low, charge the pager fully before using it.

1 Insert the Micro USB plug on the cable in the terminal on the back of the notification pager charger

2 Connect the USB plug on the cable in the USB AC adapter, and plug the adapter into an outlet

■ The customer must purchase a USB AC adapter themselves.

3 Place the notification pager in its charger



- An AC adapter is not included in the product package. The customer must use their own AC adapter.
- Press the pager main button, and if the fully charged mark  appears on the display, it has complete d charging.
- About 2.5 hours are required to fully recharge.

Safety Precautions

About safety Precautions

Precautions presented here are intended to prevent harm to the user and other persons as well as damage to property. Always observe them. SoftBank Robotics shall not be liable for any damages incurred by the user or any third person as a result of the malfunctioning, mis operation, trouble, etc. experienced by the machine, notification pager, battery, or battery charger. This manual also gives safety precautions, correct handling procedures, and other regulatory information for using the machine, notification pager, battery, and battery charger. Precautions given herein do not cover all possible situations that may arise. The safety of the operator and of passing and nearby persons is a priority in any situation (the machine is not operating normally, it has fallen over, etc.).

Always observe precautions regarding machine installation and use, and store this manual where it can always be referred to. In the following emergencies, immediately press the emergency stop button and turn off the main power switch.◦

- The machine is in a hazardous state (example: emitting smoke, is inoperable, has fallen over, etc.)
- The machine has come close to inflicting harm on surrounding persons or things
- The machine is operating (behaving) unpredictably or is moving differently than given in this manual.

Description of Symbols

The following symbol categories explain the level of harm or damage that will occur if indications are not observed and equipment is used incorrectly. Read the guide after thoroughly understanding the indications.

 DANGER	Indicates a “probability of immediate danger of death or serious injury* ¹ ” with incorrect handling.
 WARNING	Indicates a “possibility of death or serious injury* ¹ ” with incorrect handling.
 CAUTION	Indicates a “possibility of slight injury* ² and a probability of only physical damage* ³ ” with incorrect handling.

*1 Serious injury refers to loss of eyesight, injury, burns (high-temperature, low-temperature), electric shock, bone fracture, poisoning, etc. with lasting aftereffects and requiring hospitalization and long-term hospital visits for treatment.

*2 Slight injury refers to injury, burns, electric shock, etc. although hospitalization and long-term hospital visits for treatment are not required.

*3 Physical damage refers to damage extending to residence and property as well as livestock and pets.

Description of Pictorial Indications

The following pictorial indication categories explain information to be observed. Read this guide after thoroughly understanding the information.

	Prohibited (not allowed) action.		Compulsory action based on instruction (must be performed).
	Must not be used where exposed to water, and must not be splashed with water.		Unplug the power plug from the outlet.

Handling the Notification Pager

DANGER



Do not drop or throw.

Subjecting it to strong impact may cause the battery pack in the notification pager to leak, overheat, rupture, or ignite, and may cause fire, electric shock, malfunction, etc.

WARNING



Do not place the notification pager or notification pager charger in a cooking device (microwave oven , etc.) or high-pressure container (pressure cooker, etc.), or on top of an electromagnetic cooking device (IH cooktop).

May cause the battery pack in the notification pager to leak, overheat, rupture, or ignite, or the notification pager or notification pager charger to overheat, emit smoke, ignite, malfunction, etc.



Store out of the reach of infants and access of pets.

May allow accidental swallowing or cause injury, etc.



If prolonged contact with the notification pager causes skin irritation (itchiness, rash, eczema, etc.), immediately discontinue use and consult a doctor.

Handling near Electronic Medical Devices

DANGER



If wearing an implanted cardiac pacemaker or implanted defibrillator, maintain a distance of at least 15 cm from the location of the implant.

Electric signals may affect the operation of the pacemaker or defibrillator.



Do not use in a healthcare environment or near electronic medical devices.

* The machine does not comply with UL or IEC 60601 standards (or equivalent standards).

Pictorial Symbols

Refer to the labels on each product (the machine, battery charger, battery).

	Each is compliant with the Japanese Electrical Appliances and Material Safety Act (Spec ified Electrical Appliances and Materials).		Incorporates a specified wireless system as defined by Japanese law (TELEC or JATE-cer tified).
	Do not short-circuit.		Do not disassemble.
	Do not immerse in water or other liquid.		

Machine Disposal and Recycling

The product you have purchased is designed and manufactured with recyclable, high-quality materials and components. When disposing of the product, check that it is being disposed of properly as industrial waste differentiated from general and business waste according to regional and municipal regulations by request to an industrial waste disposal operator.

* If the product is being leased, it cannot be disposed of by yourself. Contact customer support. When disposing of the machine, remove the battery from the machine, and dispose of properly according to regulations for waste disposal in the region you are residing in.

FCC Compliance

This product complies with section 15 of FCC Regulations. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be colocated or operating in conjunction with any other antenna or transmitter.

The portable device is designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA). 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.

FCC ID: 2AT19-P0000401A01

Specific Absorption Rate (SAR)

During SAR testing, this device was set to transmit at its highest certified power level in all tested frequency bands, and placed in positions that simulate RF exposure in usage, and near the body with the separation of 0.0 inches (0 mm). Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value.

These requirements set a SAR limit of 1.6 W/kg averaged over ten gram of tissue for head or body. This product was tested and recorded, and the maximum reported SAR was 0.060W/kg for body.

The actual SAR level will be much lower than the above value since the product has been designed to use the minimum energy for necessary communication with the base station.

IC Compliance

This device complies with Innovation, Science and Economic Development Canada S licence-exempt RSSs. Operation is subject to the following conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Conformité à la réglementation canadienne

Le présent appareil est conforme aux CNR Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. l'appareil ne doit pas produire de brouillage;
2. l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

CAN ICES-3 (B)/NMB-3(B)

Body worn operation

The device complies with RSS 102, RF specifications when used near your ear or at a distance of 0 cm from your body. Ensure that the device accessories, such as a device case and device holster, are not composed of metal components.

IC: 25110-P000401A01

SAFETY PRECAUTIONS

Please read the safety precautions carefully to ensure the correct use of your translator.

Do not disassemble, modify or repair the device or the battery by yourself, otherwise the warranty will be invalid.

Do not crush, throw, or puncture your device. Avoid dropping, squeezing, or bending your device.

Do not use your device in a moist environment.

The operating temperature should be -10°C—+60°C.

Do not expose your device to areas with flammables and explosives.

Do not turn on your device when it is prohibited to use.

For driving safety, the driver cannot operate the device when the car is in motion.

Use a dry soft cloth to clean the device; do not use water, alcohol, detergent or any chemicals.

Keep the device battery and charger out of the reach of children to prevent them from swallowing it or injuring themselves by accident. Children should only use the device with adult supervision.

Observe all rules and regulations applicable to mobile products in hospitals and health care facilities.

Only use the battery included with the product.

SAR information

This device complies with the RE Directive (2014/53/EU). A minimum separation distance must be maintained between the user's body and the device, including the antenna during body-worn operation, to comply with RF exposure requirements.

CE Head SAR (0mm) ≤ 2.0W/kg (10g)

CE Body SAR (5mm) ≤ 2.0W/kg (10g)

Limbs SAR (0mm) ≤ 4.0W/kg (10g)

The Specific Absorption Rate (SAR) is the unit of measurement for the amount of radio frequency energy absorbed by the body when using a device. This device meets guidelines for exposure to radio waves, and is designed not to exceed those limits.



Do not dispose of used device in a household rubbish bin.

The device connected to a USB interface of version USB2.0.

This equipment is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

Frequency bands and power		
Bands	Frequency	Max.Power Limit (dBm)
Lora	865-868MHz	≤14

This product can be used across EU member states.

	AT	BE	BG	HR	CY	CZ	DK
	EE	FI	FR	DE	EL	HU	IE
	IT	LV	LT	LU	MT	NL	PL
	PT	RO	SK	SI	ES	SE	UK

Softbank Robotics corp.