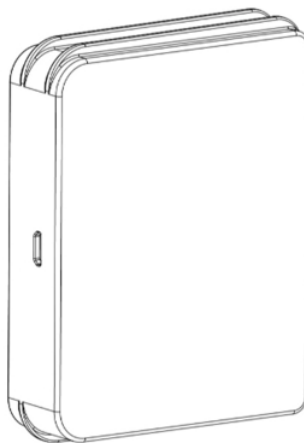


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Notification Pager Transmitter Manual

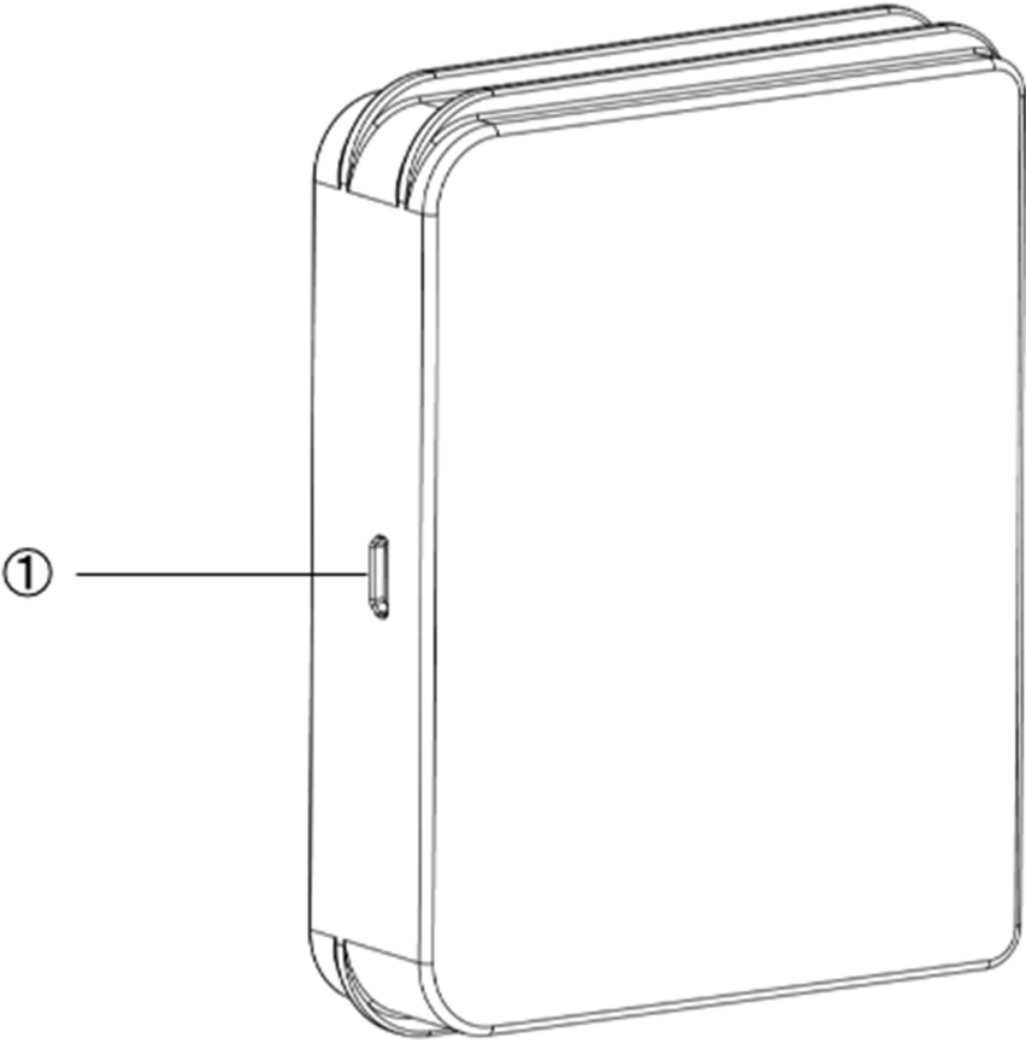


Notification Pager Transmitter

Notification Pager Functions

Notification pager will notify the operator (Sound/Vibration) when irregularities 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 package box ,connect pager transmitter to robot and and charge the pager receiver. (⇒see "Recharging the Notification Pager").

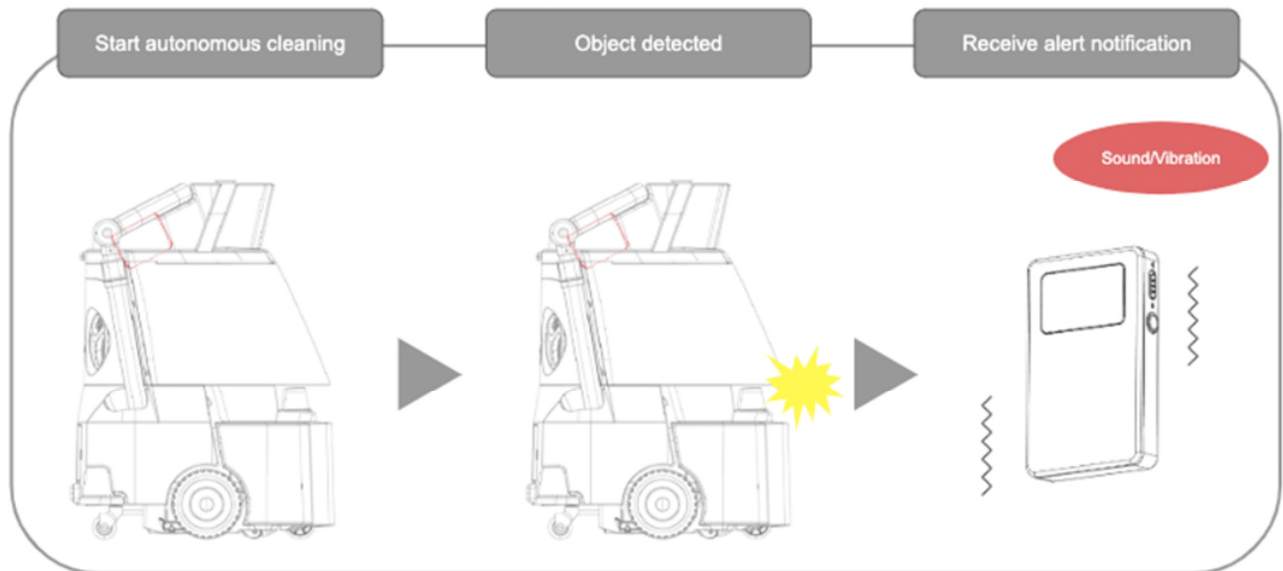
- Notification pager can only be used during autonomous cleaning.



No.	Item	Description
1	USB Port	Contact pager transmitter to the machine

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.



- During autonomous cleaning, always carry the notification pager receiver on you.
- The range in which the notification pager can communicate with the machine is a direct line up to 300 m(985 ft)(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, charge the pager receiver.

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)		Error alert · 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, long pressing receiver button and turn the power On.

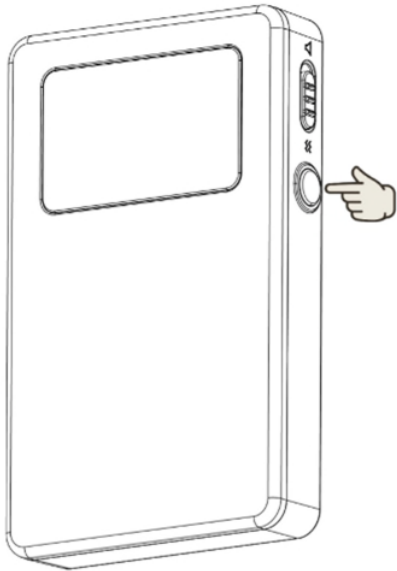
Turning the Notification Pager Receiver On

1 Long pressing the main button on the side of the notification pager

Keep 10s pressing the main button until the notification pager vibrates.



An icon appears on the display.

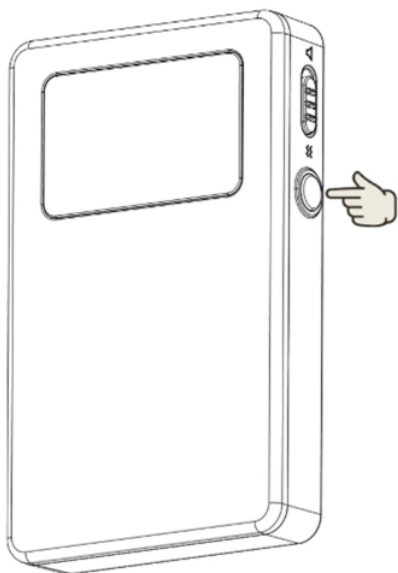


Turning the Notification Pager Off

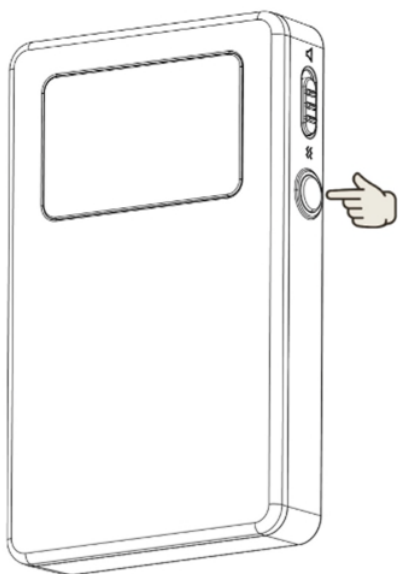
- 1 Long pressing the main button on the side of the notification pager
-



The display goes out.



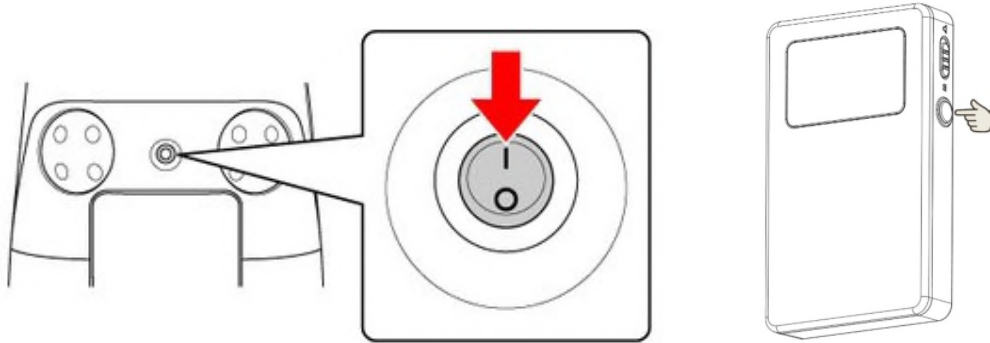
- 2 Press the pager main button, and check that nothing appears on the display
-



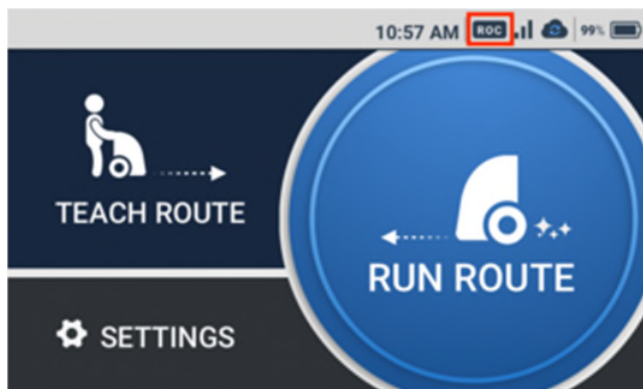
Pairing the Notification Pager

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

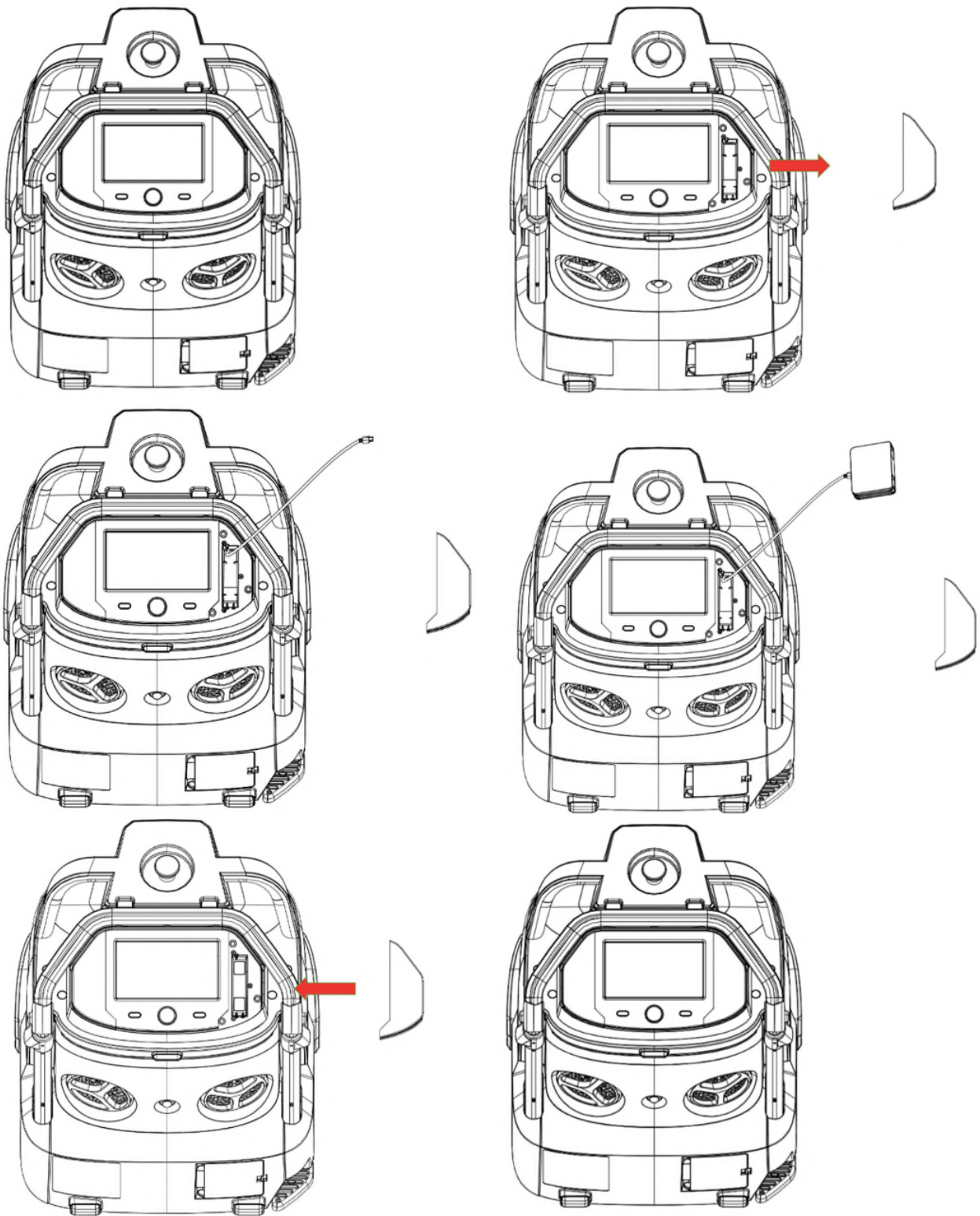


2 Check if the machine is connected to the Robot Operations Center (ROC)



- 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 Attach the pager Transmitter to the pager holder on the top of the machine



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

Safety Warnings

About Safety Warnings

IMPORTANT SAFETY INFORMATION: Please read and understand these Safety Warnings prior to unpacking and using the machine.

Warnings presented here are intended to warn the user of potential harm to the user and other persons as well as damage to property. Always adhere to them to reduce the potential for harm.

This manual also provides safety warnings, correct handling procedures, and other regulatory information for using the machine, notification pager, battery, and battery charger. Warnings provided in this manual do not cover all possible situations that may arise.

Always adhere to warnings regarding machine installation, maintenance, and use. 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 the descriptions provided in this manual.

Description of Symbols

The following symbol categories explain the level of harm or damage that can occur if warnings are not observed and if the equipment is used incorrectly. Please be sure you understand these symbols and their correlating meanings before reading the remainder of this manual.

 DANGER	Indicates a hazardous situation that, if not avoided, will result in death or serious injury
 WARNING	Indicates a hazardous situation that, if not avoided, could result in death or serious injury.
 CAUTION	Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

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 the notification pager to a strong impact may cause the battery pack in the notification pager to leak, overheat, rupture, or ignite, and otherwise result in injury, electric shock, damage, malfunction, overheating, leakage, chemical explosion, or other damage to the machine, battery charger, battery or notification pager.

WARNING



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

Failure to do so may present a choking hazard or other risk of physical injury or death of infants or pets



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, consult with the manufacturer of such medical device to confirm a safe operational distance from the machine.

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).

	Do not short-circuit.		Do not disassemble.
	Do not immerse in water or other liquid.		

Machine Disposal and Recycling

The machine you have purchased is designed and manufactured with recyclable, high-quality materials and components. When disposing of the machine, 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 machine 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.

Europe

SAFETY PRECAUTIONS

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

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 +5°C—+35°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

Australia

RCM Mark: Complies with Australia Regulations and requirements



Frequency bands and power		
Bands	Frequency	Max. Power Limit (dBm)
Lora	915-928MHz	≤14.17

