







**Safety Precaution** (Before you use this product, please read and follow this “Safety Precaution” carefully. In addition, please keep it at a convenient place so that it can be found anytime by other persons who use it after you have read it.)


- The precautions stated here are meant for users to use this product safely and properly and to prevent safety hazards or damages from being incurred to you or other users in advance. In addition, in order to show the level of magnitude or urgency of the safety hazard or damage, the situations where mishandling is likely to occur are classified into three sections, namely “Danger”, “Warning” and “Caution” for these precautions. Be sure to follow these precautions since they are important for your safety.







**Regarding the display**

   Danger	The situation where imminent danger such as fatal accident or server injury might occur.
   Warning	The situation where there is a possibility that people might be killed or severely injured.
   Caution	The content where there is a possibility that people might be severely injured or it might cause a physical damage.


**Examples of displayed symbols**









	This symbol shows certain situation that draws warning or caution. In the drawing, the specific content of the caution (the symbol at the left is a caution in electric shock) is described.
	This symbol shows that certain action should be restricted. In the drawing or at its nearby, the specific content of the restriction (the symbol at the left shows a split restriction) is described.
	This symbol compels or instructs certain action. In the drawing, the specific content of the instruction (the symbol at the left shows that a power plug is to be pulled out from a power point) is described.


 | **Danger**

<b>Please do not use it for purposes other than heating</b>	<b>Please do not throw it into fire</b>	<b>Please do not use it or leave it in places of high temperature</b>
 This might cause liquid leakage, generation of heat, rupture, ignition and breakdown.	 This might cause liquid leakage, ignition, generation of heat and damage.	 Do not put it near fire, near the stove or in a car under hot sun. This might cause deformation, breakdown or burning.
<b>Please do not make it wet</b>	<b>Please do not split it up or remodel it</b>	<b>Please do not short-circuit the jack or plug</b>
 When liquid such as water or pet’s urine enters it, this might cause generation of heat, electric shock and breakdown.	 This might cause liquid leakage, ignition, generation of heat and breakdown.	 This might cause breakdown of equipment or injury to the user.

Please use it under a specific voltage	Please use a special adaptor	Please take precaution of liquid leakage
<p>It should be used under a voltage of AC100V. If it is used under a different voltage, this might cause generation of heat, ignition, electric shock and injury to the user.</p>	<p>Please do not use an electronic transformer. This might cause generation of heat, ignition, and breakdown.</p>	<p>When the liquid in this product goes into your eyes, please do not rub them. Instead, rinse your eyes with clean water and go to see a doctor immediately. This might cause blindness.</p>

 Caution

<p> Please do not charge a wet Kairo or a wet AC adaptor. This might cause generation of heat, ignition, or rupture.</p>	<p> Please keep it in a place where babies cannot reach. Otherwise it could cause injury to the babies.</p>
<p> Please do not put heavy stuff on the cord. This might cause electric shock or fire.</p>	<p> When it is used by a child, the guardians should teach him or her on the way to use it. In addition, please confirm whether the child follow the instruction while he or she uses it.</p>
<p> Please do not put it on an unstable place like on a shaky table or on a tilting place etc. If it falls down, this might cause a breakdown or injury to people.</p>	<p> If any abnormality occurs on your skin due to the use of this product, please stop using it and see a doctor.</p>
<p> Please do not store it in a humid, dusty or very hot place. This might cause a breakdown.</p>	<p> Please pull out the AC plug from the power point and store it properly except when you are charging it. It might cause injury if a power plug is left in the power point.</p>

 Warning



Please do not use it when abnormalities such as odor, generation of heat, change in color, deformation etc. occur while it is in use or when it is kept. This might cause leakage of liquid, ignition, generation of heat and rupture.



When the liquid in this product adheres to your skin or clothing, please rinse it immediately with clean water. This might cause damage to your skin.



Please stop the charging if it is not finished even after a prescribed time has passed. If it is not stopped, it might cause leakage of liquid, ignition, generation of heat and rupture.



Please do not use it in a humid place such as in the bathroom. This might cause generation of heat, electric shock and breakdown.



Do not damage a cord by stamping on it or lay it under the equipment. Please do not use a cord that has been damaged as this might cause electric shock, generation of heat and fire.



Please do not put it in a heating device such as a microwave oven or a high-pressure container. This might cause generation of heat, emission of smoke, ignition or breakdown of circuit component.



Please do not give it a strong blow or throw it. This might cause a breakdown or fire.



Please charge it in a stable place. In addition, do not cover or wrap it with a cloth or futon. This might cause an explosion or fire due to the heat generated.



Please do not use it in places where there is a risk of ignition or explosion. This might cause an explosion or fire.

### Regarding low-temperature burning

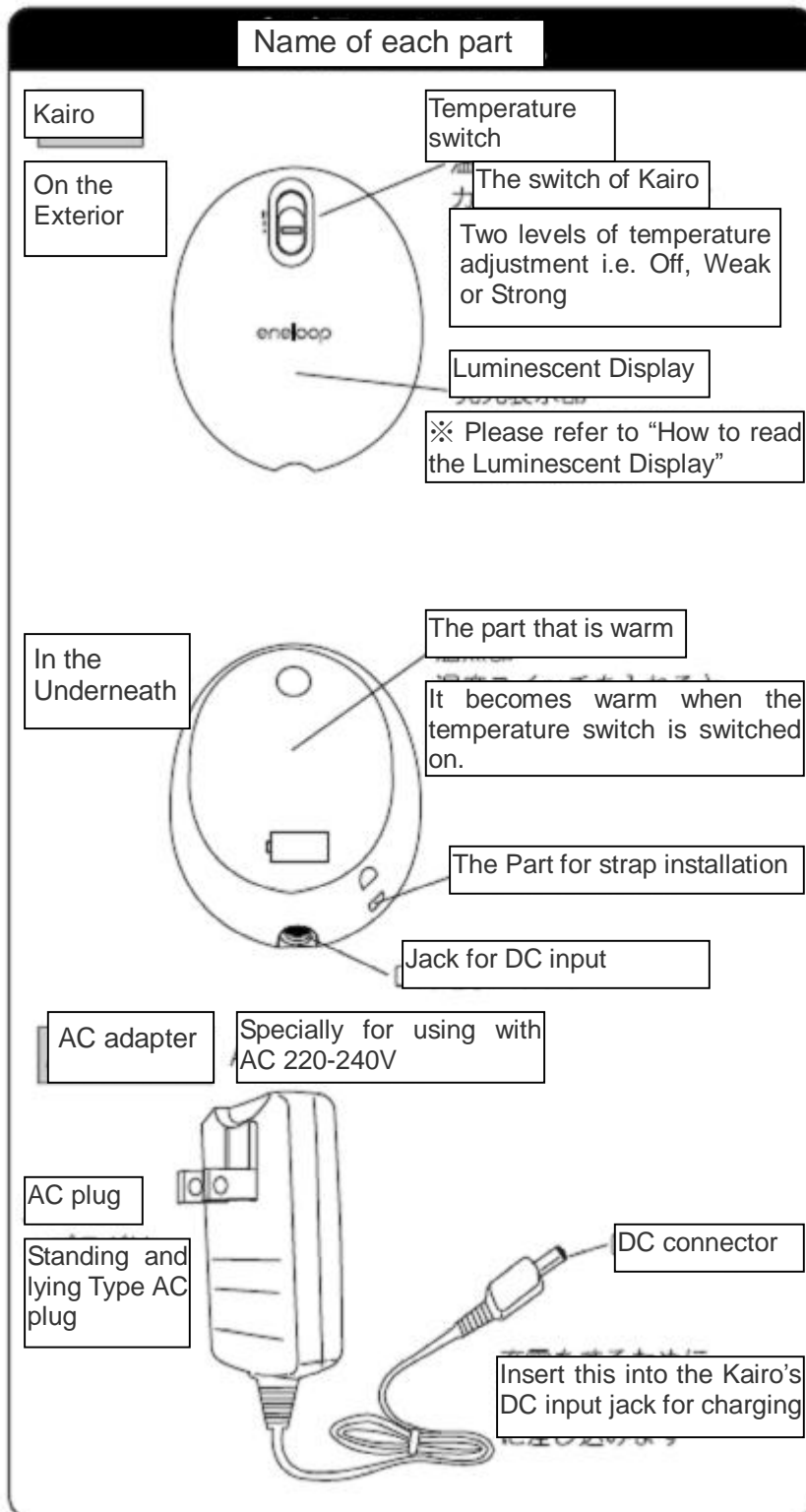
Low-temperature burning is a burning that causes symptoms such as erythema or water blisters when our bodies are exposed to a heating element which is of a higher-temperature than the body temperature for a long period. Please take note that there are low-temperature burnings that do not cause subjective symptoms.

### Precautions in preventing low-temperature burning

This product is designed to prevent an increase in heating which is a main cause of low-temperature burning from occurring. However, depending on individual differences or the way of using it, the possibility of you suffering from low-temperature burning might differ. Therefore, please take note of the following points when you use it.

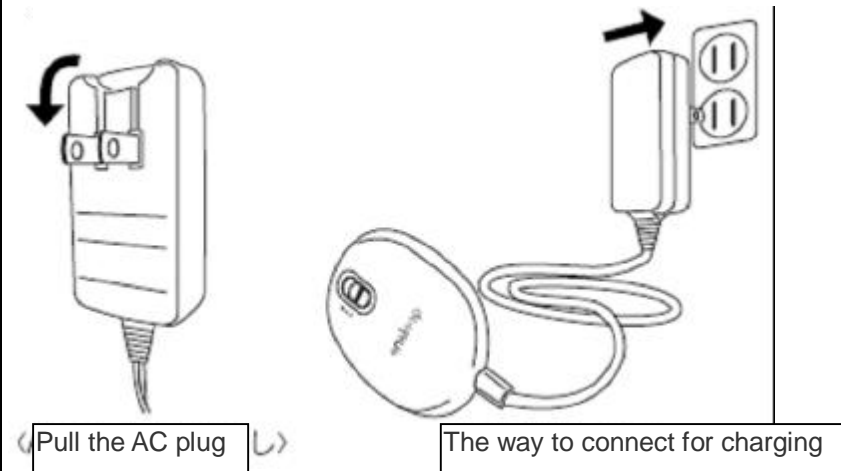
- Do not expose your skin by putting Kairo in the special case for a long period.
- Confirm your skin condition every one-hour. If you find some abnormalities on you skin, stop using it immediately.
- Stop using it when you feel too hot.
- Do not use it when you sleep because you are prone to suffer from low-temperature burning while sleeping.
- Take note of low-temperature burning especially for those whose skins are sensitive, or for infants or handicapped people.
- Take note when you use it on thin clothing such as underwear.
- Do not use it near heating equipment such as kotatsu (small tables with electric heater underneath and covered by a quilt) or a stove because it is very hot around it.
- Do not use it if you have blood circulation problems such as having diabetes since you might suffer from low-temperature burning.

Name of each part and the way to use it.



Charging of Kairo

1. Please switch off the Temperature switch.
2. Insert the DC connector of the special AC adaptor into the DC input Jack of Kairo.
  - Please insert the DC connector into the Jack securely.
3. Pull the AC plug of the special AC adaptor in the direction of the arrow and plug it into the power point securely. (Please refer to the following chart.)  
The luminescent display becomes green and charging begins.
  - Switch on the power point with AC 220-240V.
 The standard charging time : about 3 hours
4. The green light on the luminescent display disappears when charging ends.
5. After the charging, pull out the AC plug of the special AC adaptor from the power point and keep it properly. After that pull out the DC connector from Kairo.



How to read the Luminescent Display

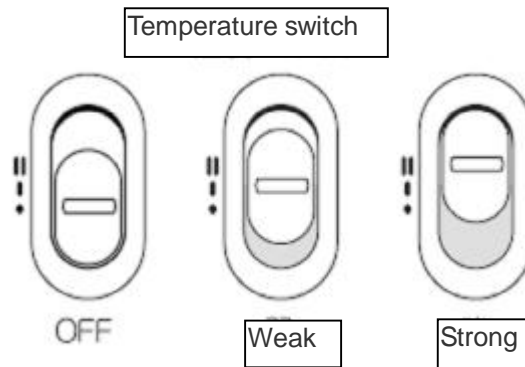
The display on the Luminescent Display of Kairo.

Content of display	Meaning of display
Orange (it blinks slowly at around every 3 seconds)	Kairo (Weak) is operating.
Red (it blinks slowly at around every 2 seconds)	Kairo (Strong) is operating.
Green (light up)	It is charging.
Green (light up ⇒ disappear)	Charging has completed.
Green (it blinks fast at around every 0.5 second)*	The residual power of the battery is low.

\* It blinks ten times when the temperature switch is turned on or when the residual power of the battery is low.

### Using Kairo

1. Please switch on the Temperature switch.  
Adjust the position of the switch according to your favorite temperature.
  - Confirm that the luminescent display blinks slowly in either red or orange.
  - When the luminescent display blinks fast in green, that means the residual power is at low level. So please charge it.
  - When the luminescent display blinks in red (at around every 0.5 second), there is either a temperature protection or abnormality in the equipment. This should be dealt with by Troubleshooting.
2. When you want to stop using Kairo, please switch off the Temperature switch.  
※Even if the temperature switch is turned on during charging, Kairo does not become warm.  
Please stop charging Kairo before you start using it.



### Please take note of the followings during charging and use

- Charging should only be carried out before Kairo is used.
- Charging should be carried out at a temperature between 0°C to 40°C.
- Only the metal parts at the warm part of this product will become warm.
- Even if the AC adaptor becomes warm during charging, it does not breakdown.
- When there is noise coming from a radio or TV during charging, put this product far away from the radio or TV. This product should be use in a place where radios or TVs are far away as much as possible.
- When the external temperature is low, there might be cases where this product does not warm up fully. In this case, use a special case or cloth to warp up Kairo so that it is not exposed to external air.

Troubleshooting (When you believe that a breakdown has occurred)
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If you cannot solve your problem by applying the methods as described in the following “How to deal with it” section, stop using it and consult the shop where you purchased the product or through the “Consultation window for customers”.

Phenomenon	The Cause	How to deal with it
Even when the temperature switch is turned on, it does not become warm.	The battery in Kairo has been used up.	Charge Kairo.
	Charging is going on.	Even if the temperature switch is turned on, Kairo does not become warm during charging. Please stop charging Kairo when you use it. (However, the time of usage of Kairo shortens.)
The time of usage of Kairo is short.	The charging time is too short.	Please use Kairo after charging it.
	The product has entered its replacement phase.	When the time of usage of Kairo becomes extremely short even after charging it, the battery might need to be replaced. (*)
The charging time is long.	The charging temperature is wrong.	Charge it at a temperature between 0°C to 40°C.
Charging cannot be done. (The green light does not blink)	The DC connector has not been inserted properly.	Insert it into the DC input jack of Kairo securely.
	The AC plug has not been inserted properly.	Insert it into the power point securely.
The red light is blinking fast. (at around every 0.5 second)	Abnormalities such as temperature protection	Insert it into the power point of AC adaptor again and charge it at a temperature between 0°C to 40°C.

\* The period of replacement of this product might differ according to the condition of usage.

Specifications

	<Rechargeable type Kairo>	<AC adaptor>
Model	KIR-S1S	KIR-S1ADHK
Input	DC5.0V 550mA	AC220-240V 50-60Hz 0.1A
Output	-	DC5.0V 1A
Measurement	84×62×19mm	66×42×21.5mm
Weight	About 85g	About 65 g
Range of Charging Temperature	0°C ~ 40°C	
Range of Working Temperature	-10°C ~ 40°C	


Rechargeable type Kairo Details of specifications

Built-in battery	Lithium ion battery 3.7V 1800mAh
Charging time	About 3 hours (when the special AC adaptor is used.)

Temperature switch	Maximum temperature (※1.2)	Average temperature (※1)	Time of continuous usage (※3)
Weak	50 °C	41 °C	About 6 hours
Strong		43 °C	About 5 hours

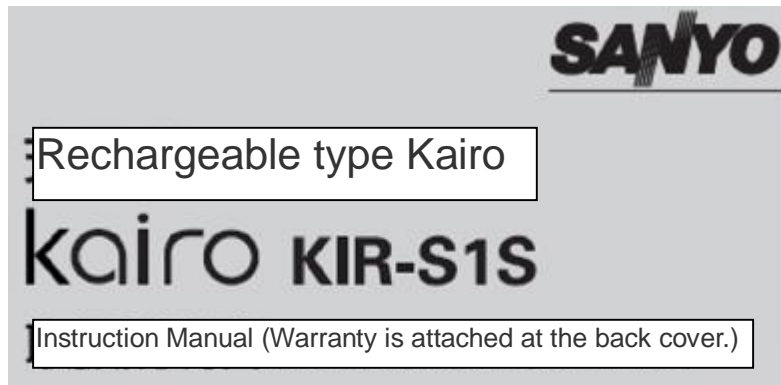
- ※1 Each of the temperature is the temperature measured at the warm part when the surrounding temperature is at 20 °C.
- ※2 The maximum temperature occurs only temporarily when the temperature switch is turned on.
- ※3 The time of continuous usage might change according to the surrounding temperature.

How to maintain it



The maintenance of it shall be carried out with a dry cloth. When a wet cloth is used instead, it might cause a breakdown. In addition, when alcohol, thinner, benzene or a detergent is used for cleaning, the printing might be faded or the color might appear faded.

They damage plastic



Thank you very much for purchasing this product. Before you start using it, please read and follow this instruction manual carefully. In addition, this instruction can be used as the warranty of this product. So please keep it properly.

#### Features

- The built-in lithium ion battery can be recharged 500 times. This is a rechargeable type Kairo.
- It is a “ON-OFF switch type” that can be used when you want to use it.
- High definition control of temperature is realized thanks to the PTC heater and Micro-computer control.

This product is a rechargeable type Kairo that comes with a built-in lithium ion battery. Be sure to charge it before you use it for the first time or when you have not used it for a long time. In addition, please take precaution to avoid low temperature burning while using it.

Please refer to the “Treatment of this product when it is disposed” (page10).



Please open and read this instruction manual.