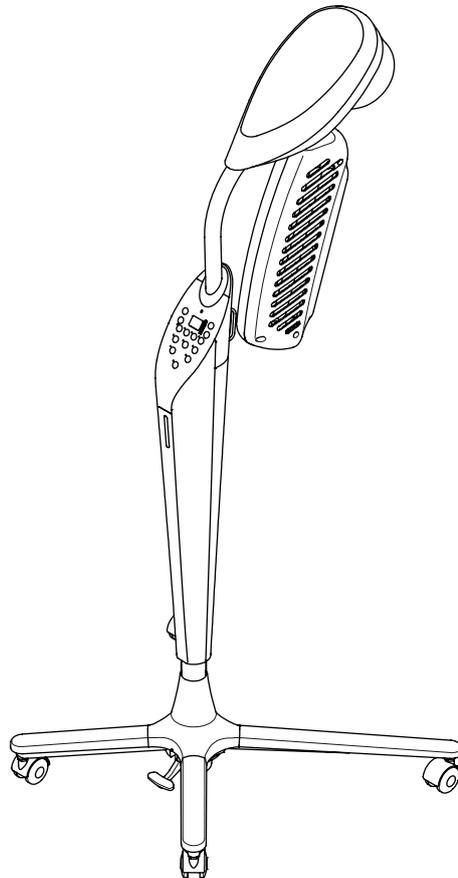


Takara Belmont Far-Infrared Hair Processor

CARE DRY G

Model **AK-DRYS***

Operating Instructions



Thank you for purchasing Takara Belmont product. Please read through this manual carefully before installing or using. These instructions provide important information for correct usage of the product to avoid personal injuries or property damages against you or your customer.

This product is intended for the exclusive use in hairdressing salons for their salon services, and must be operated or handled by the hair stylists or by their staff under supervision.

2023.07 1st Version

Request No.1E07PRA0

Table of Contents

Introduction

Safety Precautions	3
Restrictions on Use	7
Warning Label Locations.....	8
Accessories.....	8
Part Names	9
Control Panel	10
Buttons and Indicators	10
Mode Overview	13
Error Codes.....	14

Using the product

Getting the Customer Ready	16
Setting Up the Product	16
Heater Unit Movement Patterns	19
Operation Steps	20
Modifying Set Values for a Mode and Saving the Modifications.....	23
Mesh Cleaning Reminder Function.....	23
Lamp Behavior and Buttons Enabled/Disabled While the Power Is On	24
In the Event of a Power Outage.....	25

Cleaning Instructions

Cleaning Precautions	25
----------------------------	----

Instructions to Read When Necessary

Troubleshooting	26
Daily Inspection Procedure	27
Standard Period of Use	28
Specifications	30
Product Dimensional Drawing.....	30
IMPORTER INFORMATION	32

Safety Precautions

Before Use

Carefully read through the Safety Precautions and use the product correctly. Furthermore, to use the product safely, be sure to perform the daily inspection following the procedures described in the "Daily Inspection Procedure" (page 20). In case the product is continually used without performing daily inspections, product failures or accidents may occur.

Precautions stated here are for the purpose of the following:

These precautions are provided for the safe use of this product and to prevent personal injury and harm to users and third parties. Please follow all of the precautions shown here, as they contain important information related to safety.

TAKARA BELMONT bears no responsibility for personal injury or harm caused to the user or third parties in the event that the "Safety Precautions" have not been observed and an accident has occurred. If this is the case, the persons who use the product without observing the safety precautions will bear responsible for the injuries and damages.

Detailed information on cautionary symbol is as explained below.

Be sure to read and understand their descriptions carefully before reading the main text.



DANGER

This symbol warns the user that "ignorance of this display and improper use may result in critical risks of death or serious personal injury".



WARNING

This symbol warns the user that "ignorance of this display and improper use may cause death or serious personal injury".



CAUTION

This symbol warns the user that "ignorance of this display and improper use may cause slight to moderate personal injury or property damage".



Indicates the general prohibited behaviors.



Indicates the prohibition of water splashing and use near water.



Indicates the prohibition of disassembly, repair, or modification.



Indicates the need for paying attention to electrical shock.



Indicates enforcement or instructions for general user behavior.



Indicates the instruction to disconnect the power plug from the outlet.



Indicates the need for paying attention to high temperatures.



Indicates the need for paying attention to bursting of parts.



WARNING

Never touch the inside of the main unit.



Never touch the inside of the product. There is a possibility of electric shock. For maintenance and service of the product, be sure to contact your local authorized Takara Belmont dealer.

Safety Precautions (To be strictly observed)

WARNING

Power cord and plug



- **Do not place any object on the power cord.**

The power cord may become damaged, and disconnection or a short circuit may cause electric shock or fire.

- **Do not plug or unplug the product with wet hands.**

Touching the power plug or outlet with wet hands may cause electric shock.

- **Use the power cord at the rated voltage.**

Do not use the power cord outside the rated voltage. Fire, electric shock, or malfunction may result.

- **Handle the power cord carefully.**

Do not carry or pull the product by the power cord. Do not break or damage the power cord, bend, twist, or pull it by force, or bundle it up. Also, do not place heavy objects on the power cord, pinch it, or modify it in any way. It may become damaged and cause fire or electric shock.



- **Insert the power plug securely.**

When plugging in the product, completely insert the power plug all the way into the outlet. If inserted halfway, the power cord may cause a short circuit or generate heat, and fire may result.

- **Hold the power plug when disconnecting it.**

When unplugging the product, hold the power plug, not the power cord, to pull it out of the outlet. Do not pull the power cord to unplug the product. The power cord may become damaged, and electric shock or fire may result.

- **Be careful not to damage the power cord or plug.**

If the power cord or plug is damaged or the power plug is loose in the outlet, do not use this product. Electric shock or fire may result.

- **Dust the power plug regularly.**

If the power plug or outlet is dusty, carefully wipe it with a dry cloth to remove the dust. Using a dusty power plug or outlet may cause fire.

- **Only plug this product into the outlet.**

Before plugging in the product, make sure that its rated power consumption is significantly below the power rating of the outlet. Do not share the same outlet with other products. It may overheat and catch fire.



- **Unplug the product when not in use.**

Be sure to unplug the product at the end of each work day. Do not leave it plugged in when it is not used for a long period of time, such as during holidays. Insulation may deteriorate, causing fire due to electrical leakage.

Safety Precautions (To be strictly observed)



Usage and cleaning



- **Do not climb on, lean on, or hang from this product.**

Since the four-legged stand has casters, the product may fall over, causing electric shock, fire, property damage, or injury. Do not hang from the heater unit or upper shaft of the product, or climb on the four-legged stand. There is a risk of injury due to falling, tipping, or breakage of the product.

- **Do not apply vibration or impact to the product.**

Do not subject the product to vibration or impact. It may fall over, causing electric shock, fire, malfunction, property damage, or injury.

- **Do not insert metal objects into the heater unit.**

Do not insert pins or any other metal objects to remove dust from the mesh. Fire may result due to electric shock or short circuit.

- **Do not use the product at a tilt.**

Its infrared thermal sensor may not be able to measure temperature correctly, and abnormal overheating of the head may result. Also, the product may fall over, causing electric shock, fire, property damage, or injury.

- **Keep the customer's hair or skin away from the heater guard.**

Be careful not to let the customer's hair or skin come in contact with the heater guard during or shortly after operation of the product. Burns may result.



- **Be sure to perform daily inspections.**

Inspect the product as instructed in the "Daily Inspection Procedure" section (page 27) of this manual. If the product is used in a state where it does not work properly, an accident or injury, such as burns, may result.



- **Never attempt to disassemble or repair the product by yourself.**

Unless you are a repair technician, do not attempt to disassemble, repair, or modify the product. There is a risk of injury due to electric shock, fire, or abnormal operation.



- **Unplug the product before cleaning it.**

Before cleaning the product, be sure to unplug it from the outlet. Also, do not plug or unplug the product with wet hands. Electric shock or injury may result.

Safety Precautions (To be strictly observed)



Installation and relocation



- **Do not carry or pull the product by the heater unit.**

When relocating this product, do not carry or pull it by the heater unit. The product may fall, deform, or break, causing injury. When relocating the product, hold the upper shaft to carry it.



- **Secure the power cord inlet in place.**

Before using the product, be sure to secure the power cord inlet onto the main unit using the supplied M3 screw. (See the Assembly Instructions.) Otherwise, fire or electric shock may result.

- **Before relocating the product, disconnect the power plug.**

Before relocating the product, unplug it from the outlet. Otherwise, the power cord may become tangled, causing the product to fall over or become damaged.

- **Be careful when carrying the product over bumps.**

When carrying the product over bumps, do not apply impact to the product and be careful not to let it fall over.

Usage and cleaning



- **Keep the product away from children.**

Do not let children touch the product. It may fall, deform, or break, causing injury or burns.

- **Do not hang wet towels on the heater unit to dry them.**

Do not hang wet towels on the heater unit of this product to dry them. The towels may catch fire.

- **Do not use the product together with perming agent designated for use at room temperature.**

Do not use this product with dual-step tepid permanent wave agent. Rashes or other skin disorders may result.

- **Keep chemicals away from the heater.**

When using chemicals, be careful not to spill them on the heater. The stains may cause fire, produce smoke, or deteriorate the heater, causing it to break down.

- **Do not use the product outdoors.**

This product is for indoor use only. Do not install it outdoors or in a vehicle. Be sure to use the product in hair and beauty salons. Otherwise, the product may not work properly or may break down.

- **Do not clean the product with chemicals or apply heat to it.**

The product may deteriorate, discolor, or become damaged.

- **Do not use abrasives.**

Do not use abrasives to clean the covers.

Use of abrasives, abrasive sponges, or metal or nylon scrubbers may leave scratches.

- **Do not look directly at the heater.**

Visual impairment may result.

Safety Precautions (To be strictly observed)

CAUTION

Usage and cleaning



- **Do not manually rotate the heater unit.**

Do not manually rotate the heater unit regardless of whether it is in operation or at rest. Malfunction or breakdown of the product may result. For example, the heater unit may become unable to rotate properly.

To shift the heater unit in operation to a desired position and keep the operation going, use the START/STOP button to rotate the heater unit as instructed in "Heater Unit Movement Patterns" (page 19).

To finish the operation halfway through and return the heater unit to the home position, use the RESET button to do so as instructed in "Operation Steps" (page 21).



- **Keep an eye on the customer's physical condition.**

While the heater is in operation, the customer's head is being warmed. If the customer becomes ill or feels sick, stop using the product.

Be extra careful if the customer is prone to feel dizzy, has high blood pressure, or is under a doctor's care and has concerns about their physical condition.

- **Use polyethylene wrap or a polyethylene cap.**

Before operation in heat mode, be sure to cover the part of the hair to be heated with some polyethylene wrap or a polyethylene cap to prevent the hair from drying unevenly and to ensure an even finish. Since polyethylene transmits infrared rays, the infrared thermal sensor can measure the actual temperature of the hair in the 540° mode, enabling precise temperature control.

If you use non-polyethylene wrap, use the 360° or 120° mode. Otherwise, an error code ("E0" or "E1") may appear on the display panel. If an error code appears, deal with it as instructed in "Error Codes" (pages 14-15).

- **Immediately wipe off any chemical stains.**

If the product is stained with chemicals, such as a hair coloring agent, immediately wipe it off with a soft cloth. Otherwise, the affected surface may deteriorate, discolor, or deform.

Also, if the floor is stained with chemicals, immediately wipe it off.



- **Do not apply impact to the heater unit.**

A large impact to the heater unit may damage the heater. Handle the product with care.

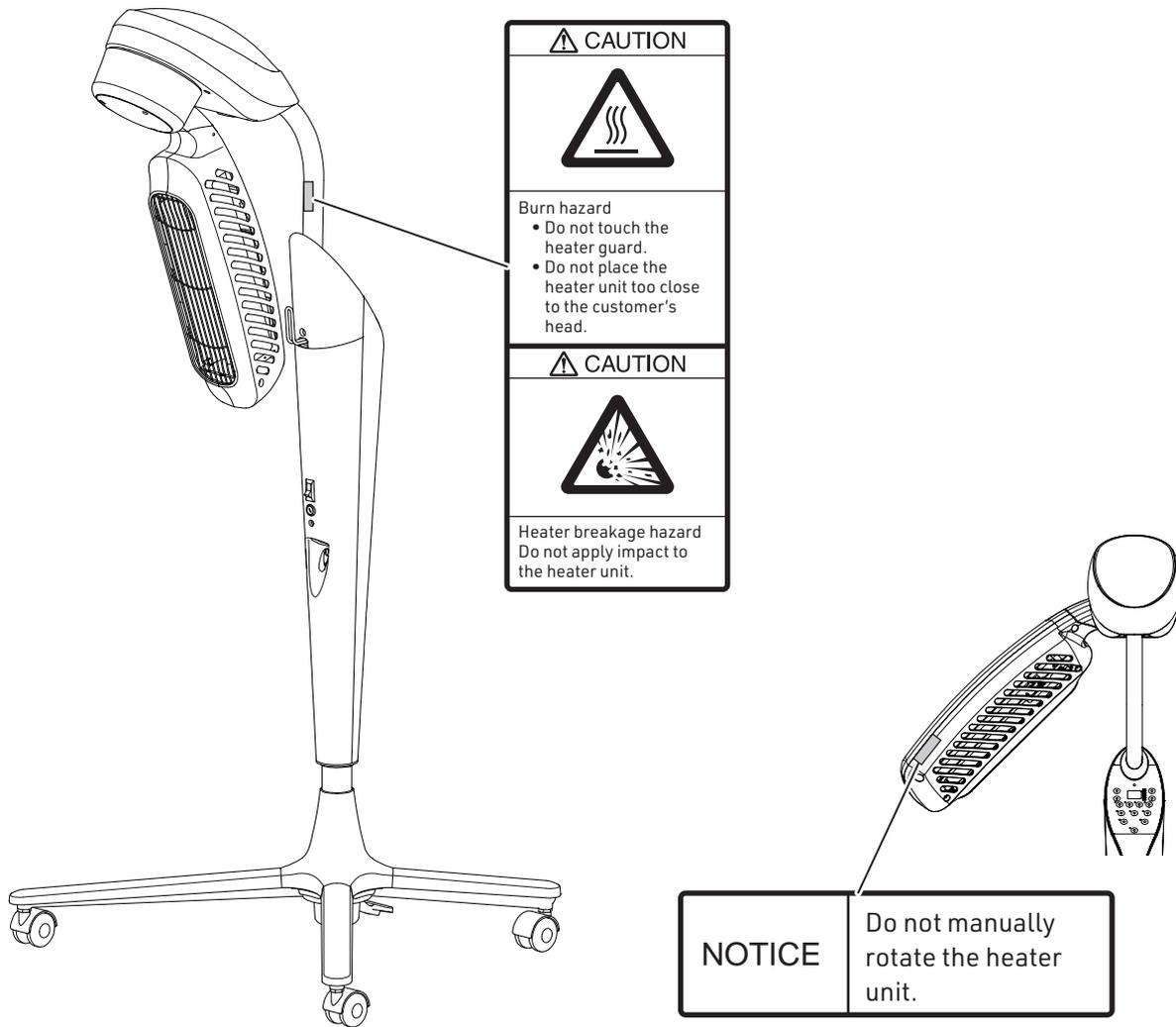
Restrictions on Use

- **Use the product for hairdressing and beauty care purposes only.**

This hair processor is for professional use at hair and beauty salons.

Only qualified hair stylists and beauticians may use it.

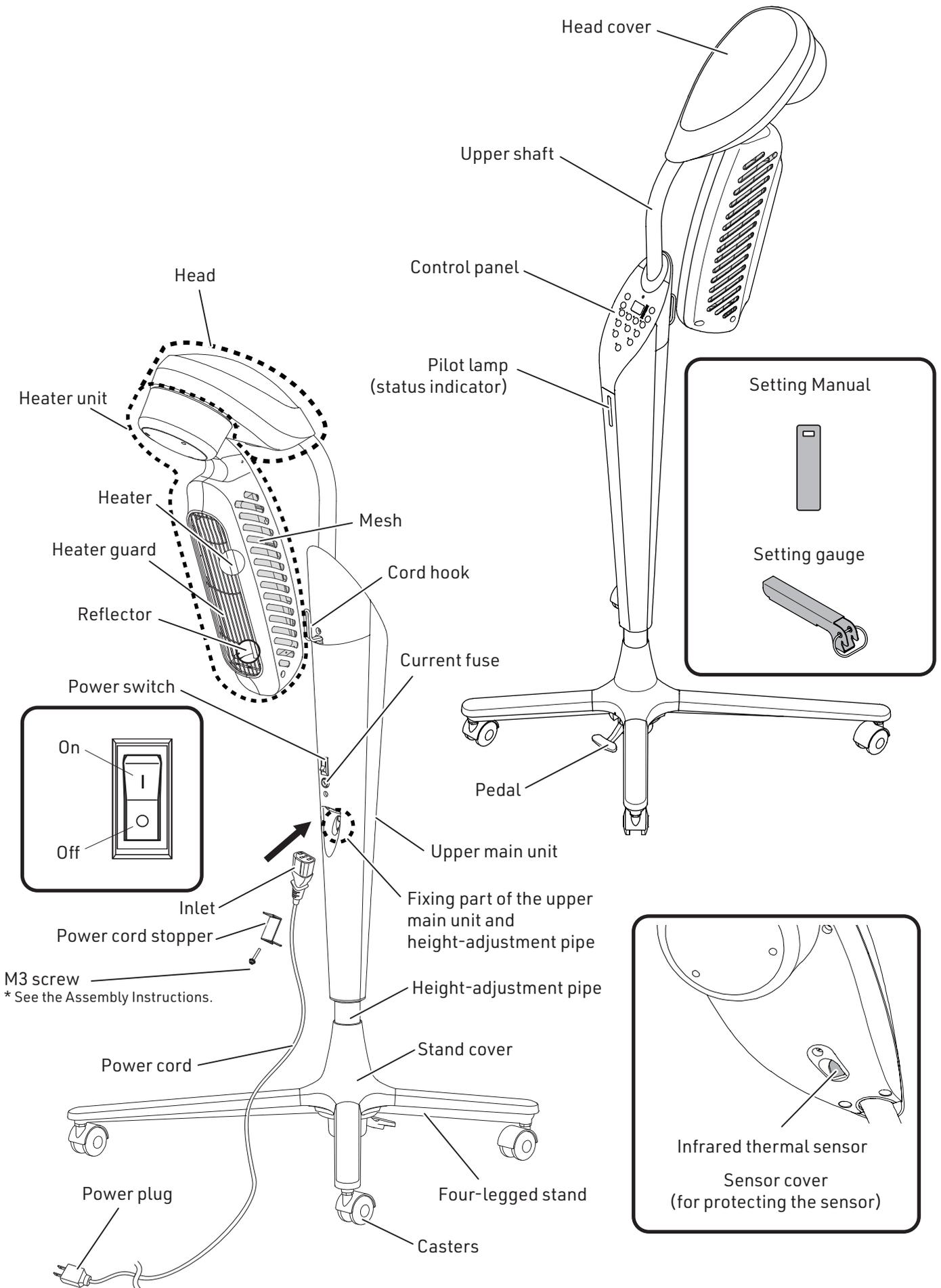
Warning Label Locations



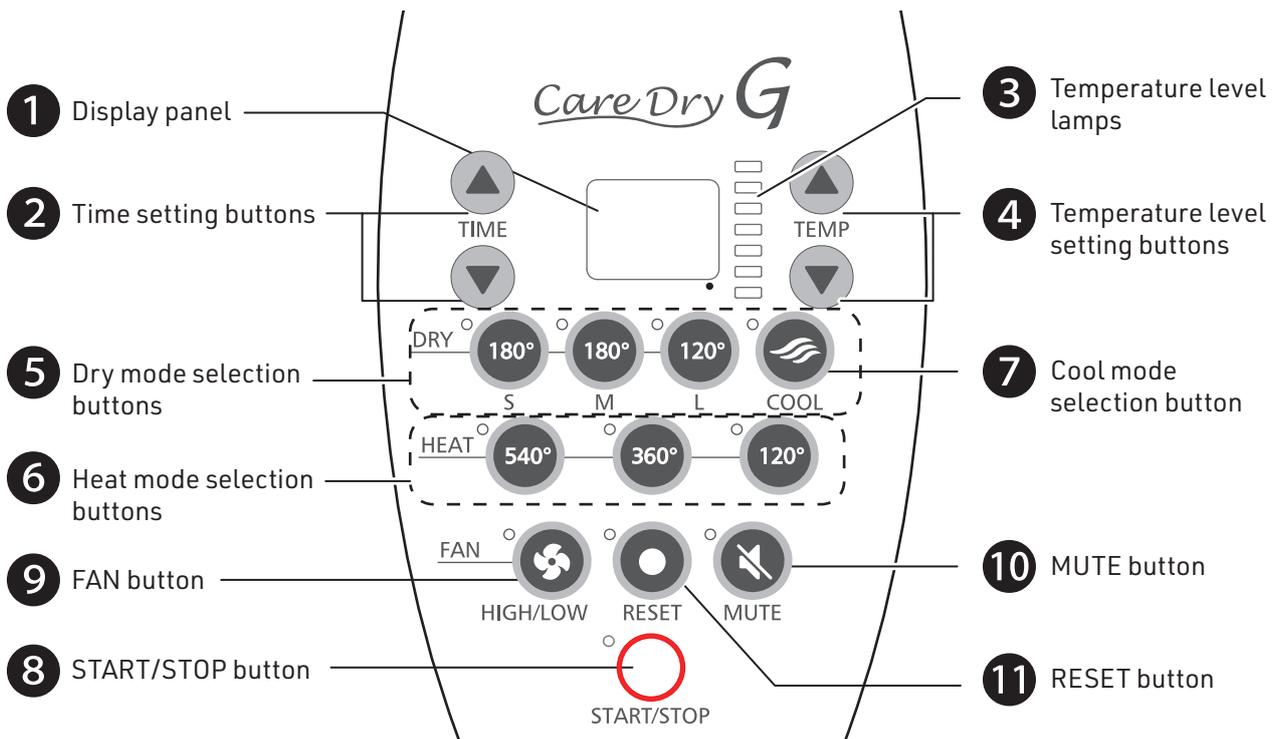
Accessories

- | | |
|-----------|---|
| Main unit | <ul style="list-style-type: none">• Operating Instructions (this document)• Assembly Instructions• Power cord• Pan head screw (M3 x 15) with a flat washer and a spring washer (for securing the power cord inlet)• Setting gauge• Setting Manual• Power cord stopper |
| Stand | <ul style="list-style-type: none">• Four cap bolts (M5 x 15) with spring washers (for securing the height-adjustment pipe)• Two cap bolts (M5 x 15) with anti-loosening coating and spring washers (for securing the upper main unit)• Hex key |

Part Names



Control Panel

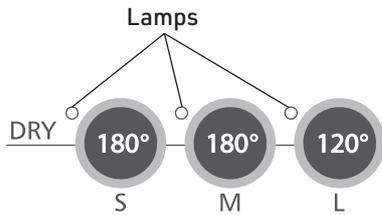


Buttons and Indicators

<p>1 Display panel</p> <p>(E.g.) ● Displays the set operation time ● Displays the time to go ● Displays the elapsed time after the end of operation ● The dot light blinks during operation</p> <p>(E.g.) ● Indicates the status of an error that occurs</p> <p>(E.g.) ● Indicates that cooling operation is in progress and displays its remaining time * In this example, cooling will finish in one minute.</p>	<p>2 Time setting buttons</p> <p>● Use these buttons to modify the set time</p> <p>Each short press of the "▲" (up) or "▼" (down) button increases or decreases the set time by one minute.</p> <p>A long press of either button changes the set time in increments of five minutes.</p> <p>* Maximum set time: 60 minutes</p>														
<p>3 Temperature level lamps</p> <p>(Color coding)</p> <table border="0"> <tr><td>Lv.7</td><td>Red</td></tr> <tr><td>6</td><td>Red</td></tr> <tr><td>5</td><td>Orange</td></tr> <tr><td>4</td><td>Orange</td></tr> <tr><td>3</td><td>Yellow</td></tr> <tr><td>2</td><td>Yellow</td></tr> <tr><td>1</td><td>Green</td></tr> </table> <p>These lamps indicate the level you have set using the temperature level setting buttons.</p> <ul style="list-style-type: none"> ● (Dry modes) Heating intensity is indicated in seven levels, from lowest (green) to highest (red). ● (Heat modes) Heating intensity is indicated in five levels, from Lv. 1 (34°C, green) to Lv. 5 (46°C, orange) in increments of 3°C. 	Lv.7	Red	6	Red	5	Orange	4	Orange	3	Yellow	2	Yellow	1	Green	<p>4 Temperature level setting buttons</p> <p>● Used to modify the temperature level</p> <p>Each short press of the "▲" (up) or "▼" (down) button increases or decreases the set temperature by one level. You can choose from seven levels (1 to 7) in dry modes and five levels (1 to 5) in heat modes.</p>
Lv.7	Red														
6	Red														
5	Orange														
4	Orange														
3	Yellow														
2	Yellow														
1	Green														

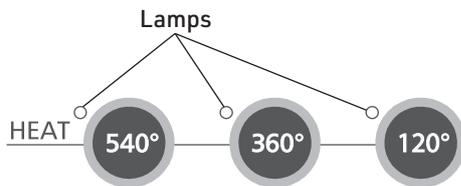
Buttons and Indicators

5 Dry mode selection buttons with lamps



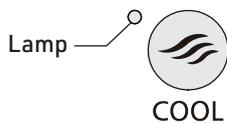
- To select a mode, press the button that corresponds to the mode. The lamp next to the selected mode button will light up. To save a modified setting as a default, hold down the button of the currently selected mode for at least one second. When the modified setting has been saved, there will be a long beep. (See "Modifying Set Values for a Mode and Saving the Modifications" on page 23.)

6 Heat mode selection buttons with lamps



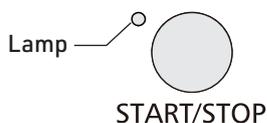
- To select a mode, press the button that corresponds to the mode. The lamp next to the selected mode button will light up. To save a modified setting as a default, hold down the button of the currently selected mode for at least one second. When the modified setting has been saved, there will be a long beep. (See "Modifying Set Values for a Mode and Saving the Modifications" on page 23.)

7 Cool mode selection button with a lamp



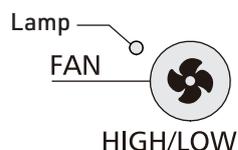
- To put the product in cool mode, press this button. When the product goes into cool mode, this lamp will light up. To save a modified setting as a default, hold down this button for at least one second. When the modified setting has been saved, there will be a long beep. In cool mode, the temperature level is "0" (all the temperature level lamps are off), and the heater is off. (See "Modifying Set Values for a Mode and Saving the Modifications" on page 23.)

8 START/STOP button with a lamp



- To start operation in the selected mode, press this button. This lamp is on during operation. It blinks when the operation is brought to a halt (suspended).

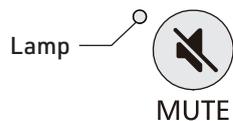
9 FAN button with a lamp



- You can switch the operating speed of the fan between "HIGH" and "LOW."
 - Lamp steadily on: HIGH
 - Lamp flickering: LOW

Buttons and Indicators

10 MUTE button with a lamp



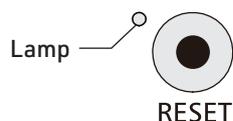
- You can mute or unmute the sound of button operations and the alarm that notifies the end of a process.

* Once you mute or unmute using the MUTE button, that sound status will be maintained until you press the button again.

- Lamp on: Muted
- Lamp off: Unmuted

* Error sounds cannot be muted.

11 RESET button with a lamp



- This button is enabled only when you press the START/STOP button to suspend the operation of the product and when this lamp is blinking.

Holding down the RESET button for at least one second returns the heater unit to the home position.

When you hold down the RESET button, this lamp will light steadily and the other buttons will be disabled until the heater unit returns to the home position. When the heater unit returns to the home position, this lamp will go out.

* When the heater unit returns to the home position, the unit will be at the initial selecting mode.

Mode Overview

Mode description

Mode		Mode overview
DRY	S	For customers with short hair exposing the ears and nape of the neck (The heater will turn off when it comes near the ears or nape.)
	M	Dries hair on the sides and nape evenly
	L	Mainly designed to dry long hair
HEAT	540°	Heats the hair while measuring the temperature of the head For short to medium hair
	360°	Heats the hair, from the top of the head to the shoulders, with the heater unit circling around based on the preset heating program
	120°	Heats long hair intensively from the middle to the ends, with the heater unit swinging based on the preset heating program
COOL		Cools the hair with the air blown by the fan

Set values for individual modes

Mode	Default values			Heater unit movement	Cooling time	Available temperature levels	Temperature control method	
	Temperature level	Time	FAN					
DRY	S	6	5 min.	HIGH	Swings 180°	2 min.	1-7	Control with the preset program
	M	7	7 min.	HIGH	Swings 180°	2 min.	1-7	
	L	7	10 min.	HIGH	Swings 120°	2 min.	1-7	
HEAT	540°	3	10 min.	LOW	Swings 540°	2 min.	1-5	Control with the infrared thermal sensor
	360°	3	10 min.	LOW	Rotates 360°	N.A.	1-5	Control with the preset program
	120°	3	10 min.	LOW	Swings 120°	N.A.	1-5	Control with the preset program
COOL		0 (invariable)	10 min.	HIGH	Swings 180°	2 min.	0	—

The dryness of the hair dried in dry modes may vary depending on the room temperature, the heater temperature, the usage environment, and how wet the hair was. If the drying power is insufficient or too high, adjust the drying time, temperature level, or air volume accordingly.

Mode Overview

Temperature levels for individual modes

- **Dry modes**

You can select the heater unit output from among seven levels.

The heater unit is off at Lv. 0 (all lamps off). The temperature is lowest at Lv. 1 (green lamp) and highest at Lv. 7 (red lamp).

* In dry modes, the heater will turn on/off at certain fixed timings for the selected temperature level based on the preset program. So, hair dried at the same temperature level may vary in dryness depending on the usage environment.

- **Heat modes**

The heater controls its output so that the customer's hair is heated to the temperature preset for the selected level. (Five levels up to Lv. 5)

Lv. 1: 34°C, Lv. 2: 37°C, Lv. 3: 40°C, Lv. 4: 43°C, Lv. 5: 46°C

* In 540° mode, the infrared thermal sensor measures the temperature of the customer's hair, and the heater controls its output to keep the hair temperature at the selected level.

* In 360° and 120° modes, the heater turns on/off at certain fixed timings for the selected temperature level based on the preset program. So, the actual hair temperature may deviate slightly from the selected level depending on the usage environment.

Error Codes

- When a code indicating an error of the product appears on the display panel, take action as instructed in the table below.
- The pilot lamp blinks in an error state.

Indication	Problem	Corrective actions
The code "E0" and the current remaining time are displayed alternately.	The temperature of the customer's hair cannot be measured properly because the product is not set in the right position.	Bring the heater unit to the right position with respect to the customer's head. (See "Heater unit positioning" on page 17.) If the heater unit is set in the right position, the sensor cover may not be clean. If it is smeared, for example with chemicals, wipe it clean as instructed in "Plastic parts," "Material-specific cleaning methods" of the "Cleaning Precautions" section (page 25). Then, turn the power back on, and operate the product with the heater unit in the right position. If the problem persists, turn off the power switch, disconnect the power plug, and immediately contact the nearest dealer or Takara Belmont.
	The customer's hair is not warmed up at all because the heater control is not working properly.	Turn off the power switch, disconnect the power plug, and immediately contact the nearest dealer or Takara Belmont.
	The hair temperature cannot be measured correctly because the light from the thermal sensor is not received properly.	As the material of the wrap or cap to cover the hair, we recommend polyethylene because it does not block the light from the sensor. If you use a non-polyethylene cap or use the product for aluminum foil work, select the 360° or 120° heat mode.

Error Codes

- When a code indicating an error of the product appears on the display panel, take action as instructed in the table below.
- The pilot lamp blinks in an error state.

Indication	Problem	Corrective actions
The code "E1" and the current remaining time are displayed alternately.	The hair temperature has dropped because the customer's head has shifted from the right position during the treatment.	Check the position of the customer's head, and bring the product to the right position. (see "Heater unit positioning" on page 17.) After a while, when the customer's hair is heated to the set temperature, the error indication will disappear. If the problem persists, turn off the power switch, disconnect the power plug, and immediately contact the nearest dealer or Takara Belmont.
	The hair temperature cannot be measured correctly because the light from the thermal sensor is not received properly.	As the material of the wrap or cap to cover the hair, we recommend polyethylene because it does not block the light from the sensor. If you use a non-polyethylene cap or use the product for aluminum foil work, select the 360° or 120° heat mode.
The code "E2" is displayed.	The heater unit is not working properly.	Turn off the power and turn it back on. If the problem persists, turn off the power switch, disconnect the power plug, and immediately contact the nearest dealer or Takara Belmont.
The code "E3" is displayed.	The customer's hair is quite hot because the heater control is not working properly.	Bring the product to the right position, and then turn off the power and turn it back on. If the problem persists, turn off the power switch, disconnect the power plug, and immediately contact the nearest dealer or Takara Belmont.
The code "E4" or "E5" is displayed.	The fan is not working properly.	If the mesh is clogged with dust or hair, clean it as detailed in "Cleaning Precautions" (page 25). If the problem persists, turn off the power switch, disconnect the power plug, and immediately contact the nearest dealer or Takara Belmont.
The code "E8" is displayed.	The product has fallen over or has been subjected to a strong impact.	Turn off the power and put the product back up. If the problem persists, turn off the power switch, disconnect the power plug, and immediately contact the nearest dealer or Takara Belmont.
The code "E9" appears (when you turn on the power), and this code and the current remaining time are displayed alternately (during operation).	The infrared thermal sensor is not working properly. (The product can be operated even in this state, but time control will only operate as programmed.)	Turn off the power and turn it back on. If the problem persists, turn off the power switch, disconnect the power plug, and immediately contact the nearest dealer or Takara Belmont.
The code "FC" appears (when you turn on the power) and remains displayed.	Reminder of mesh checking or cleaning time	Check the mesh for clogging with dust or hair. If the mesh is clogged, clean it as detailed in "Cleaning Precautions" (page 25). To clear the displayed code, see "Mesh Cleaning Reminder Function" (page 23) for details.

Getting the Customer Ready

In dry modes

Before operation in a dry mode, towel dry the customer's hair so it is not dripping wet.

In heat modes

Material of the cap to be used

During heating in a heat mode, be sure to use some polyethylene wrap or a polyethylene cap. Since polyethylene transmits infrared rays, the infrared thermal sensor can measure the actual temperature of the hair in the 540° heat mode, enabling precise temperature control. If you use a non-polyethylene cap, use the 360° or 120° heat mode. Otherwise, an error code ("E0" or "E1") may appear on the display panel. If an error code appears, deal with it as instructed in "Error Codes" (pages 14–15).



CAUTION

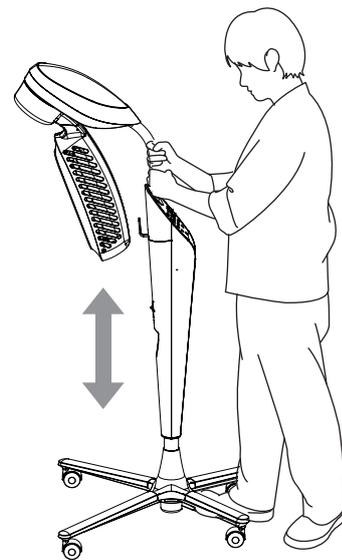
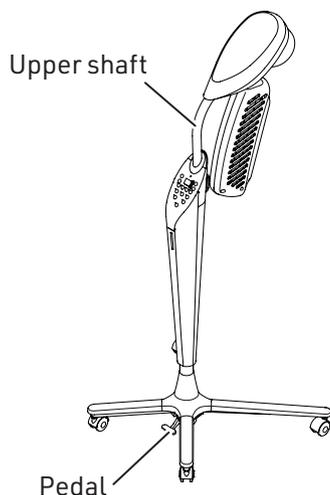
- A cap may be used in heat modes only. Do not use a cap in dry modes.
- Do not use non-polyethylene wrap in the 540° heat mode. Abnormal temperature rise may result. If you use non-polyethylene wrap, select the 360° or 120° heat mode.

Setting Up the Product

For the maximum performance of your Care Dry G and comfort for your customers, please follow the instructions on the use of the product.

Height adjustment

- (1) Hold the upper shaft with both hands.
- (2) Step on the pedal.
- (3) Raise or lower the upper shaft to the desired height.
- (4) Release the pedal to fix the height.



Use both hands when adjusting the level.

Setting Up Your Care Dry G

Heater unit positioning

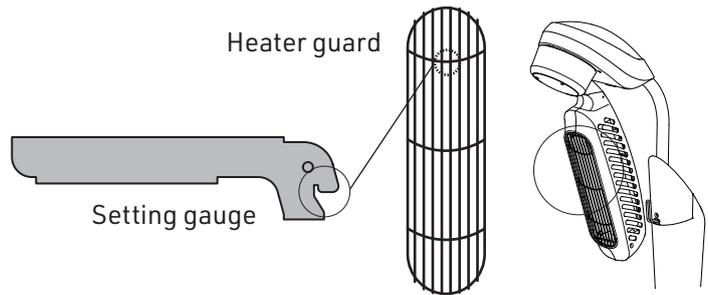
Before positioning the heater unit using the setting gauge, return the heater unit to the home position.

1 Attach the setting gauge.

The setting gauge has a notch. Hook the notch onto the midpoint of the upper horizontal mesh wire of the heater guard.

WARNING

For a while after operation, the heater guard is still hot. Be careful not to touch the hot heater guard. Burns may result.



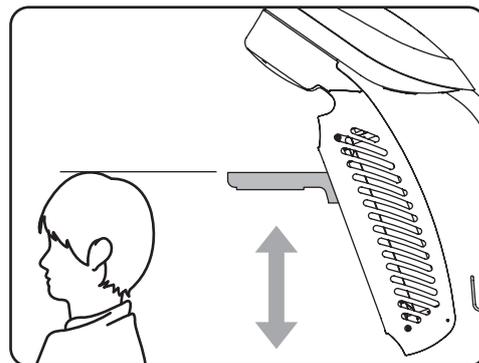
Home position:

The figure on the right shows the heater unit in the "home position."



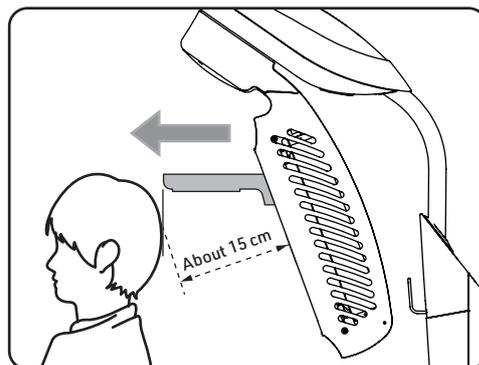
2 Adjust the level.

Align the top of the setting gauge with the top of the customer's head. For the alignment, depending on the customer's sitting height, raise or lower the chair or the upper main unit.



3 Adjust the front/rear position.

Align the tip of the setting gauge with the back of the customer's head. (The heater unit and the customer's head will be about 15 cm apart.)



In 120° heat mode only:

To heat long hair intensively from the middle to the ends, lower the upper main unit from the level at which you have set the heater unit with the setting gauge. However, do not lower the upper main unit by 10 cm or more from the level at which you have set it with the setting gauge.

Also, keep the heater guard and the chair at least 15 cm apart.

CAUTION

- When the positioning is done, be sure to remove the setting gauge from the heater guard.
- If the customer feels sick during operation, stop using the product immediately. (If the customer is in poor physical condition, the heat may make them feel sick.)

Setting Up Your Care Dry G

Head misalignment alarm (in 540° heat mode)

If the alarm sounds, realign the heater unit or prompt the customer to return their head to the right position. (See "Heater unit positioning" on page 17.)



CAUTION

Be careful not to let the customer's head come in contact with the heater unit.

Misalignment from the start of operation

If the customer's head is out of place from the start of operation, the alarm will sound sometime after the start of operation.

The status indicator will blink, and the display panel will show the code "E0" and the current remaining time alternately.

Misalignment after the start of operation

As long as the product is operating with the heater unit in place, the infrared thermal sensor measures the temperature of the customer's head and the heater output is controlled to maintain the set temperature. If the customer's head becomes significantly out of place during operation and the measured temperatures deviate significantly from the set temperature, the infrared thermal sensor will detect the deviation, and an alarm will sound to warn of the misalignment.

The status indicator will blink, and the display panel will show the code "E1" and the current remaining time alternately.

If the alarm sounds, have the customer bring their head back to the right position and then resume operation as instructed in "How to deal with errors:" below. Do not leave the misalignment as it is. The product will be unable to perform temperature control properly.

How to deal with errors:

If the error code "E0" or "E1" appears, follow the steps below to deal with it.

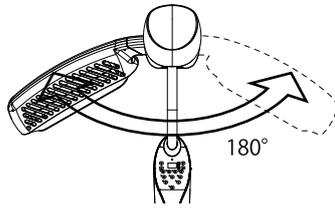
Press the START/STOP button to stop the operation of the product. Bring the customer's head to the right position. Then press the START/STOP button again to resume the operation of the product.

If the error code remains on display even after the head is returned to the right position, turn off the power switch, disconnect the power plug, and contact the nearest dealer or Takara Belmont.

Heater Unit Movement Patterns

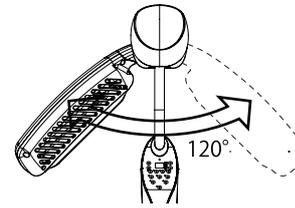
Swings 180°

In S or M dry mode or in cool mode



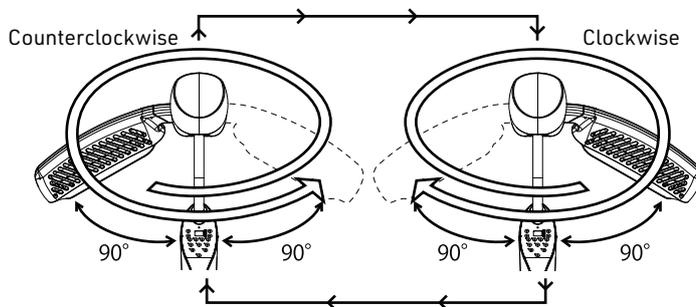
Swings 120°

In L dry mode and 120° heat mode



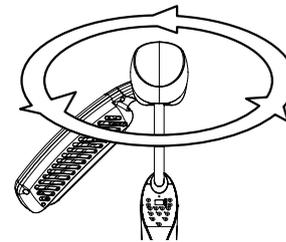
Swings 540°

In 540° heat mode



Rotates 360°

In 360° heat mode



The heater unit's safety clutch function

If a body part or clothing becomes caught between the main unit and the heater unit during operation, the safety clutch mechanism of the heater unit will be activated. The heater unit will idle in the position where the safety clutch mechanism is activated, preventing the body part or clothing from being rolled up.

- If the heater unit starts operation from somewhere other than the home position, short beeps will sound at the start of operation and the heater unit will rotate 360°. After the heater unit reaches the home position, it will rotate at the selected swing mode*.
* Except in the 360° heat mode
- The heater unit may shake while rotating, but this is not a sign of malfunction.
- The heater unit is equipped with a safety clutch mechanism. Right after the safety clutch mechanism is activated, the rotating speed of the heater unit will be unstable, but this is not a sign of malfunction. The rotating speed will stabilize after a while.
- Do not manually rotate the heater unit. To shift the heater unit to a desired position, use the START/STOP button on the control panel.

Operation Steps

1 Set the product in the right position.

Please note that if the product is not set in the right position, it will not operate properly. (See "Heater unit positioning" on page 17.)

2 Turn on the power switch.

When you flip the power switch, all the lamps on the control panel will light up for one second, and then only those next to the treatment mode buttons will blink, waiting for you to select a mode.

When the code "FL" is displayed, see "Mesh Cleaning Reminder Function" (page 23).

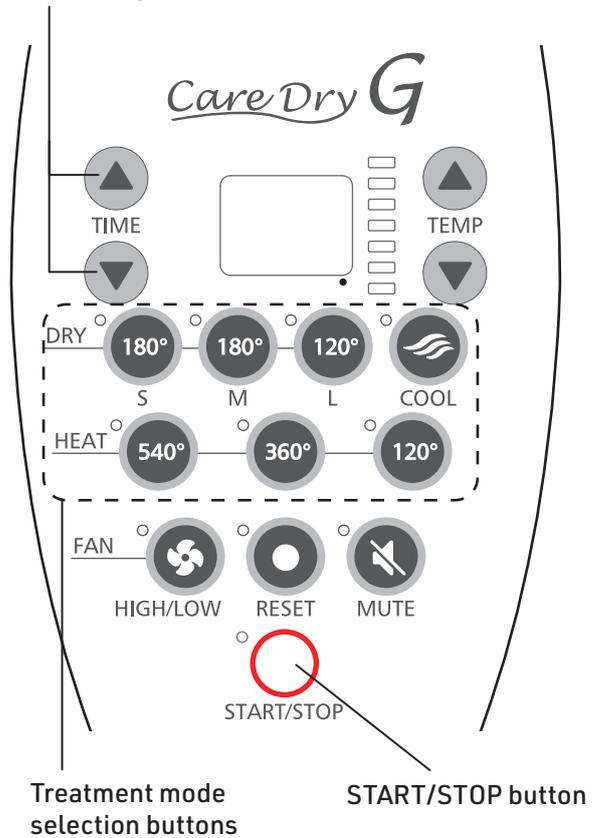
3 Select a mode.

Press the button of the mode that corresponds to the treatment you are going to perform. The lamp next to the selected mode button will light up, and the configured settings will be displayed (e.g., temperature level, time, air volume). Check whether or not you need to modify them.

CAUTION

If you modify the settings, do so based on the condition of the customer's hair, the chemicals you are going to use, and the type of treatment you are going to perform.

Time setting buttons



4 Press the START/STOP button.

When you press the START/STOP button, the heater unit will start rotating and operating at the set values (temperature level, time, and air volume) for the selected mode.

Then, the pilot lamp (status indicator) will light up.

Operation Steps

5 During operation

During operation, the lamp next to the START/STOP button and the one next to the selected mode button are on, and the display panel shows the remaining time with the dot light blinking (every second).

CAUTION

The heater is hot during and for a while after operation. Never touch the heater unit even when the heater is not glowing red.

There are gears inside the head of the product. The gears rub against each other making sounds. There are individual differences in tone and loudness of the sounds among the same products.

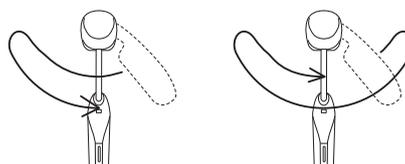
How to finish the operation halfway and return the heater unit to the home position

To return the heater unit to the home position for the next operation, follow the steps below.

Press the START/STOP button to suspend the operation. Then, hold down the RESET button for at least one second. The heater unit will return to the home position.

When the heater unit returns to the home position, it always does so by rotating counterclockwise from the left side of the home position.

Heater unit movement pattern whereby it returns to the home position when you press the RESET button



Modifications of set values during operation:

During operation, you can modify the set values as well as switch modes.

(See "Lamp Behavior and Buttons Enabled/Disabled While the Power Is On" on page 24.)

Suspension of operation:

When you press the START/STOP button during operation, the heater unit will come to a halt, the product will stop controlling the heater and the fan, and the following will start blinking: the lamps beside the START/STOP and RESET buttons, the remaining time indication, and the pilot lamp.

While operation is suspended, you can switch modes or modify the settings. If you have switched modes, the product will shift to the pre-operation status in the new mode. If you have only modified the set values, the operation will remain suspended.

If you press the START/STOP button within five minutes after suspending operation, the operation will resume. If you do not press the START/STOP button within five minutes, the product will return to the pre-operation status.

Head misalignment alarm:

(In 540° heat mode)

If the customer's head becomes out of place during operation and you continue to operate the product, the infrared thermal sensor will detect the abnormality, and a warning alarm will sound every 30 seconds. Have the customer return to the right position, stop the operation, and then resume it.

(See "Head misalignment alarm" on page 18.)

6 Cooling

After the set time has elapsed, the pilot lamp flashes and a two-minute cooling time starts.

The code "[2]" appears on the display panel. During the cooling sequence, the heater is off, but the heater unit keeps moving in the same pattern as during operation of the heater.

You can modify the cooling time (up to nine minutes) using the time setting buttons.

Operation Steps

7 End of cooling

When the cooling time has finished and the remaining time on display reaches "0," an alarm will sound to indicate the end of cooling. The heater and fan will turn off, and the pilot lamp will go out.

The heater unit will rotate counterclockwise as viewed from the control panel side, to return to the home position and come to a halt. If the heater unit is rotating clockwise when the cooling time ends, it will change direction when it reaches a certain position and then rotate counterclockwise to return to the home position.

Elapse time countdown:

After the cooling time ends, the numbers on display will blink as they count down the elapse time.

Memory function:

The elapse time after the cooling sequence is counted down on the display panel from up to 60 minutes. If you press the START/STOP button during the countdown, the previously used settings will be displayed. (This function is handy for reviewing the effects of the treatment against the set time.)

Note that the memory will be cleared when the mode is changed.

8 When you have finished, turn off the power switch.

Modifying Set Values for a Mode and Saving the Modifications

1. How to modify set values for a mode and save the modifications

You can modify the set values for a mode, which are displayed when you press the button to select that mode.

Turning off the power does not undo the modifications.

The following three set values can be modified: temperature level, time, and air volume.

* Set value modifications cannot be saved during operation or while operation is suspended.

1. Press the button that corresponds to the mode for which you want to modify the set values.
2. Modify the set values for temperature, time, and air volume.
3. Press and hold down the mode button for more than one second. A long beep will sound, and the modifications will be saved.
4. Turn off the power and turn it back on. Confirm that the settings have been modified.

2. How to reset the set values to the defaults

To return modified set values for all modes to the defaults (see "Set values for individual modes" on page 13), follow the steps below.

1. While holding down the START/STOP button, turn on the power, and keep holding it down.
2. A long beep will sound in one second, and the set values will be reset to the defaults.
3. Release the START/STOP button, and the reset will be completed. Confirm that the set values have returned to the defaults.

Mesh Cleaning Reminder Function

- Every 200 cumulative hours of operation, the code "FL" will appear on the display panel to let you know it is time to clean the mesh.
(This code will be displayed when you turn on the power.)
- When the code is displayed, clean the mesh as detailed in "Cleaning Precautions" (page 25).
- After cleaning the mesh, hold down the START/STOP button for one second to clear "FL" from the display panel. Otherwise, "FL" will be displayed every time you turn on the power.

Lamp Behavior and Buttons Enabled/Disabled While the Power Is On

Operating status	START /STOP	DRY	SHORT	MEDIUM	LONG	HEAT	TEMP	Time on the display panel	FAN	RESET	Pilot lamp
		540°	360°	120°	COOL						
When you turn on the power	Lamp behavior	Steady for one sec. ↓ Off	Steady for one sec. ↓ Blinking	Steady for one sec. ↓ Off	"8.8" displayed for one sec. ↓ Off	Steady for one sec. ↓ Off	Steady for one sec. ↓ Off	Steady for one sec. ↓ Off	Steady for one sec. ↓ Off		
	Button enabled/disabled	x	○	x	x	x	x	x	x		
Before operation	Lamp behavior	Blinking	Lamp for the selected mode Steady	Steady	Steady	Steady	Steady or Flickering	Off	Off		
	Button enabled/disabled	○	○	○	○	○	x				
During operation	Lamp behavior	Steady	Lamp for the selected mode Steady	Steady	Steady Time counting down	Steady or Flickering	Off	Steady			
	Button enabled/disabled	○	x	○	○	○	x				
During suspension of operation	Lamp behavior	Blinking	Lamp for the selected mode Steady	Steady	Blinking	Steady or Flickering	Blinking	Blinking			
	Button enabled/disabled	○	○	○	○	○	Holding it down for one sec. returns the unit to the home position. ○				
During cooling	Lamp behavior	Steady	Lamp for the selected mode Steady	Off	Steady Time counting down	Steady or Flickering	Off	Blinking			
	Button enabled/disabled	○	x	x	○	x	x				
After cooling	Lamp behavior	Blinking	Lamp for the selected mode Steady	Off	Blinking Time counting up	Off	Off	Off			
	Button enabled/disabled	○	x	x	x	x	x				

Note: The circle "○" indicates that the button is enabled, while the cross "x" indicates that the button is disabled.

Note: After the cooling time ends, the elapsed time is counted up to 60 minutes.

Pressing the START/STOP button returns the product to the pre-operation status.

Note: Lamp behavior

"Steady": The lamp is constantly lit.

"Blinking": The lamp goes on and off in a cyclical manner.

"Flickering": The lamp gradually brightens and dims in a cyclical manner.

"Off": The lamp is not lit.

In the Event of a Power Outage

In the event of a power outage, please do the following to prevent unexpected behavior of the product when the power is restored:

Turn off the power switch and disconnect the power plug from the outlet.

Cleaning Precautions

Clean the product after use so that it is always clean when you use it.

If the product is left dirty, discoloration or deterioration may result.

WARNING

- Before cleaning the product, turn off the power switch and disconnect the power plug. Electric shock or fire may result. Also, there is a risk of injury due to unexpected movement of the product.
- Do not wash the product with water. Malfunction or electric shock may result.

CAUTION

Some metal parts and mechanical sections of the product have sharp edges. Be careful not to hurt your hands or fingers during cleaning.

Material-specific cleaning methods

Plastic parts

Wipe these parts with a soft cloth dampened with neutral detergent diluted in about a 1:10 ratio with water. Next, wipe them with a cloth dampened with water. Then, wipe them thoroughly with a dry cloth.

* The "sensor cover," mentioned in "Part Names" (page 9), is also plastic.

Moving parts Metal parts

Wipe these parts with a soft, dry cloth.

Do not wipe them with a damp cloth. Moisture, let alone water, is bad for these parts. If they become wet, wipe them dry immediately. Otherwise, rust or malfunction may result.

Mesh

To remove dust on the mesh, use a vacuum cleaner with a brush attached to the tip of the nozzle. To remove oil stains, wipe the mesh with a soft cloth dampened with neutral detergent diluted in about a 1:10 ratio with water. Next, wipe it with a cloth dampened with water. Then, wipe it thoroughly with a dry cloth.

- Never clean the product with the following items:

Volatile chemicals such as thinner, alcohol, nail-polish remover, gasoline, or kerosene; acid, alkaline, or chlorine-based detergents; antiseptic solutions that corrode metals (e.g., povidone iodine known as "Isodine," or sodium hypochlorite); or abrasive wax or sponges.

- Do not clean the product with cleaning brushes (except when cleaning the mesh) or scrubbers. They will leave scratches or render the stains unremovable.

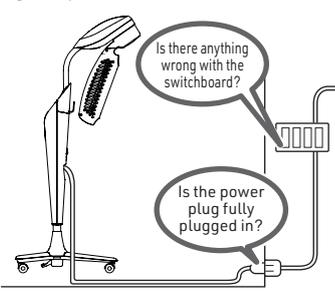
If you use the product for the first time after a long time, clean it before use.

After cleaning, be sure to check that the product operates properly.

Troubleshooting

If any of the following problems occur, please check the product before calling for repair.

If taking the corrective actions does not bring the product back to normal operation, immediately stop using it, turn off the power switch, disconnect the power plug, and contact the nearest dealer or Takara Belmont.

Problem	Possible cause	Corrective action
<p>The power will not turn on. (Neither the display panel on the control panel nor the lamps light up.)</p> 	Is the power plug completely inserted all the way into the outlet?	Completely insert the power plug all the way into the outlet.
	Is the power switch on?	Turn on the power switch.
	Is there a blown fuse or a breaker in the switchboard in your salon?	Fit a new fuse or reset the breaker in the switchboard.
	Disconnect the power plug and insert it back in. Does the power still not turn on?	If the product does not work properly, turn off the power switch, disconnect the power plug, and immediately contact the nearest dealer or Takara Belmont.
The heater has a strange odor.	Is the heater or reflector dusty or stained with chemicals?	Dust or stains on the heater or reflector may temporarily burn, producing smoke. Turn off the power switch, disconnect the power plug, and immediately contact the nearest dealer or Takara Belmont.
The heater unit is making a clicking sound.	N.A.	The reflector and the plastic parts of the heater unit expand when heated and contract when cooled, making a clicking sound due to friction between them. This sound is not a sign of malfunction.
I hear a sound of something rubbing from inside the product while the heater unit is rotating. There are individual differences in the tone and loudness of the rubbing sounds even among the same products.	N.A.	There is a motor and gears inside the head of the product. The gears rub against each other making sounds. There are individual differences in the tone and loudness of the sounds among the same products. Neither the rubbing sound nor its variations are a sign of malfunction.
The heater unit shakes while it is rotating.	N.A.	There is a motor inside the head of the product. The vibration of the motor may cause the heater unit to shake while it is rotating, but this is not a sign of malfunction. Also, there are individual differences in the amount of shaking among the same products.
The temperature level needs to be lower than when I first bought the product (the heater is hotter than it was then).	Is the sensor cover dirty?	Remove dirt from the surface of the sensor cover as detailed in "Cleaning Precautions" (page 25). If the product still does not return to normal, turn off the power switch, disconnect the power plug, and immediately contact the nearest dealer or Takara Belmont.
The heater does not glow red. * Depending on its control state, the heater may appear to be turned off even during the heating sequence.	Is it blowing warm air?	If the heater is blowing warm air, it is not in trouble. If warm air is not blowing, stop using the product, turn off the power switch, disconnect the power plug, and immediately contact the nearest dealer or Takara Belmont.

Daily Inspection Procedure



WARNING

Be sure to observe daily inspection according to the following guidelines. Continued use without observing the daily inspection may result in failure or accidents.

To use the product safely, be sure to observe the following inspections.

■ Daily Inspection Items (Pre-operation Check)

Inspection Item	Inspection Procedures	If the inspection result is unacceptable
<input type="checkbox"/> Check if there is no deformation, breakage, or deterioration of the power plug or the power cord.	Check before operating the product: <ul style="list-style-type: none"> <input type="checkbox"/> There is no deformation breakage or deterioration on the power plug or the power cord. Check while the product is in operation (this is limited to the case that there is no deformation breakage or deterioration on the power plug or the power cord) <input type="checkbox"/> The power plug or the power cord may be heated when it is deteriorated. While the product is in use, touch the power plug and the power cord with a hand and make sure that they are not hot. 	There is a possibility of electrical shock or burn injuries due to fire or electrical leakage. Since some parts must be replaced, immediately stop using the product, turn off the power switch, disconnect the power plug, and immediately contact the nearest dealer or Takara Belmont directly.
<input type="checkbox"/> Check if there is no breakage or deterioration on exterior parts.	Visually check the entire product and check for any breakage or deterioration of the exterior parts, etc.	Restrictions in bringing out the expected functions of the product may result in accidents (injuries including burns). Immediately stop using the product, turn off the power switch, disconnect the power plug, and immediately contact the nearest dealer or Takara Belmont directly.
<input type="checkbox"/> Check that the power switch operates correctly and the lamps on the control panel illuminate.	Check if there is no jamming when turning ON/OFF the power switch. In addition, check that all of the lamps illuminate right after turning on the power switch.	If the product is used with the power switch functioning improperly, failures such as unexpected shutdown of power during operation may occur. Furthermore, in the state that the lamps on the control panel do not illuminate, the product may not be used correctly because the setting state cannot be confirmed. If this is the case, immediately stop using the product, turn off the power switch, disconnect the power plug, and immediately contact the nearest dealer or Takara Belmont directly.
<input type="checkbox"/> Check for any cracks or breakage on the heater.	Check the casters visually.	A crack or breakage may result in electrical shock or a burn injuries due to fire or electrical leakage. Since the parts must be replaced, immediately stop using the product, turn off the power switch, disconnect the power plug, and immediately contact the nearest dealer or Takara Belmont directly.
<input type="checkbox"/> Check if there is no rattling in the head unit.	Raise the upper shaft when assembling the product, and check that the two fixing screws are attached tightly.	If the screws are loose, retighten. If rattling cannot be rectified by retightening the screws, contact the nearest dealer or Takara Belmont directly.
<input type="checkbox"/> Check if there is no rattling in the height-adjustment pipe.	Check that the two screws fixing the upper main unit and the height-adjustment pipe are attached tightly when assembling the product.	If the screws are loose, retighten. If rattling cannot be rectified by retightening the screws, contact the nearest dealer or Takara Belmont directly.

Consumable Parts

The consumable parts imply the parts that are subject to abrasion, deterioration, change in appearance, or breakage through use. If a part has been worn significantly or deteriorated, or if it is broken, the parts must be inspected or replaced. Immediately stop using the product, turn off the power switch, disconnect the power plug, and immediately contact the nearest dealer or Takara Belmont directly.

- Consumable Parts (The following parts must be purchased since they are excluded from the warranty.)

Power cord Caster

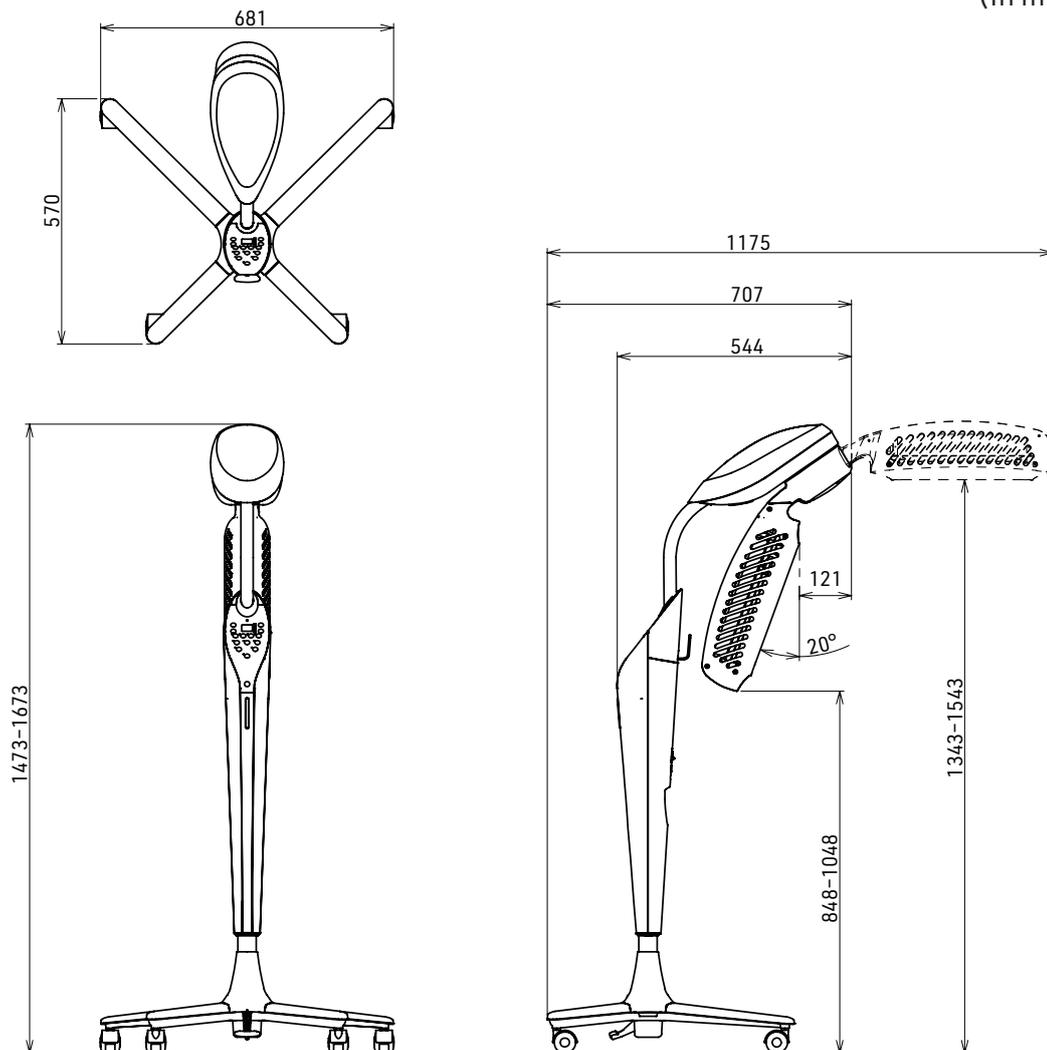
 Caution	
 Be careful of use. Children shall not play with the product.	 Be careful of use. The product is not to be used by children or persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.
 Be careful of use. Cleaning and user maintenance shall not be done by children.	

Specifications

Model	AK-DRYS* (A color code is shown in place of the asterisk "**".)		
Weight	17.6 kg		
Rated Voltage	220V	230V	240V
Rated Current	3.1 A	3.4 A	3.5 A
Frequency	50/60 Hz		
Safety devices and mechanisms	Tilt sensors, safety clutch mechanism, overheating safety device, current fuse		
Operating ambient temperature	10°C-40°C		
Power cord length	3 m		

Product Dimensional Drawing

(In mm)



* The dimensions and specifications given here are subject to change for improvement without notice.



TAKARA BELMONT CORPORATION
1-1, 2-Chome, Higashi-shinsaibashi, Chuo-ku, Osaka, Japan
TEL : +81-6-6213-5945 FAX : +81-6-6212-3680

Printed in Japan