



# User Manual

## CGM MB-1101



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## Important safety issues

**This appliance is not intended for use by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.**

The information below stands to protect the safety of the user and to prevent any property damage. All users must read the manual and use the product appropriately. The important safety issues are divided into "Danger", "Warning" and "Caution" and their meanings are as follows. This picture is a symbol used to warn in case of dangerous situations or dangerous control methods.



**Danger**

In case of violating the instructions, there is an emergent possibility of serious damage or even death.



**Warning**

In case of violating the instructions, there is some possibility of serious injury or death.



**Caution**

In case of violating the instructions, there is possibility of minor injury or property damage.

### The least favorable working condition

The least favorable working condition is to use the thermal and massaging functions continuously while applying 298lbs on the main mat and the supporting mat.



**Danger**

**⊘ Be careful not to get burned from unintended use.**

**Please follow the instructions carefully in order to reduce potential electric shocks.**

1. While using this product, do not use pins or other metals.
2. Please check the frame before use. If there are any signs of cracks or breaks, stop using the product.
3. Do not use the product when there is water.
4. The external projector must be used with the external projector cover so that there is no direct contact between the product and skin. (There is risk of receiving a burn.)
5. To prevent damage to the eye (eyeball), do not place the external projector directly on the eye.
6. In case of thunder, lightning or an earthquake, please stop using the product and unplug it. (There is risk of receiving an electric shock or a burn.)
7. Do not pull the cord to unplug or touch the power plug with wet hands. (There is risk of receiving an electric shock or a burn.)
8. Apart from the mode for massaging the abdomen or the manual mode, do not use the product laying face down. (If the product is used lying down, do not use near the rib cage and only on the abdomen.)



## Important safety issues



### Warning

**In order to prevent injuries from burns, fires and electric shocks, one must connect to a socket that has a ground connection. Be certain of how to connect to the socket before using the product.**

1. Only use the product if it is in mechanically complete condition.  
If damaged products are used, there is a possibility of injury or burns)
2. If you have finished using the product or will not use it for a long time, unplug the product.
3. Apart from the external projector cover provided by our company, do not place other products or substances on top that may cause fires (such as fiber products, blankets and etc.)  
(Overheating can cause fires and electric shocks.)
4. In case of use by a disabled person, guardians must be present.
5. Do not use the product if they are in the conditions mentioned below. Call the customer center and request inspection or after-service.
  - If the product has been dropped or is damaged
  - If the product is wet
  - If the cord or the power button is damaged. (There is a risk of an electric shock or a fire.)
6. Keep the power cord away from electric heating appliances or heaters.
7. This product has only been designed for indoor use. Do not use it outdoors.
8. Do not use the product where there are foreign substances in the air or places that handle oxygen.
9. Do not use or apply skin care, cosmetic or medical products on your skin before and during the usage of this product.
10. When dismantling the product, make sure both the remote control and the main system are switched "Off" before unplugging.
11. Be cautious of heated surfaces. (Can cause severe burns)
12. Do not use the external projector on parts of the body that have low levels of sensitivity or parts that have reduced blood flow.
13. Please do not sleep on the equipment.
14. Do not randomly disassemble, repair or remodel the product. Call the customer center when in need of a repair.  
(There is a risk of electric shock, fire, injury, and burns.)
15. Please take care not to insert your hand or any other body part into the main equipment or auxiliary parts. (There is a risk of electric shock and injury.)
16. Device is only intended for use by people age 18 and over.
17. To avoid the risk of injury:
  - If you have a pacemaker, defibrillator, other artificial implants or other medical devices, consult with your doctor prior to use.
  - If you have sensitive reactions or allergy to heat, you should also consult your doctor before using the product.
  - Do not use on bare skin; always wear clothing.
  - Do not use if you have had any major surgeries, including back and/or hip surgeries.
  - Consult your doctor prior to use if you have any external wound(s) or infection(s) on the skin where the product will come into direct contact with your skin.
  - Immediately stop using the unit if you start to feel sick or uncomfortable, or if the massage seems too painful.
  - As of now, there is no evidence to suggest that this product interferes with or influences medications. Those taking any prescribed medications should consult their doctor before using this product.
  - Do not go to sleep while using the unit.



## Important safety issues

- Do not use the unit after drinking alcohol.
- Do not allow pets to play on or around the unit, especially during operation.
- Circulatory insufficiency or weak circulation in legs or heart diseases.
- Pain without cause defined.
- WARNING: This device should not be used over swollen or inflamed areas or skin eruptions. Do not use in the presence of unexplained calf pain. Consult a physician prior to use.

### Contraindications

Pregnant women, people who have malignancies, high fever, osteoporosis, people in poor physical health, people in poor physical shape or undergoing any medical treatment, and people suffering back, neck, shoulder or hip pain should consult their doctor before using the product.



### Caution

1. When using the internal projector, do not move your body and use it with a straight posture.
2. When the product is set to high temperatures, there is a risk of burns, so set the projector's temperature at an optimal level. (Depending on the physical constitution or thickness of skin, use the product at optimal temperature.)
3. Those with sensitive skin must use the product at lower temperatures. (There is a risk of burns)
4. Those who cannot control the temperature by themselves, and those who have weak sensory skin must be cautious of using the product for an extended period even if it is set at a low temperature because there is risk of receiving a burn. (Warning! Please use while wearing clothing.)
5. If there are any abnormal symptoms while using the product, you must consult a doctor before using it again.
6. Do not bend the power cord or the outer wiring by force. (There is a risk of electric shocks and fires.)
7. Do not place flammable objects (candles, cigarettes and alcohol), objects with water in them, heavy objects or sharp objects on top of the product. (They can cause electric shocks and damage.)
8. When climbing on or off the product, be cautious of the risk of falling.
9. Use according to the instruction manual and keep to the duration and methods instructed in the manual. (Use 1~2 times a day and do not use other products unless supplied by the manufacturer.)
10. Do not use the external projector(s) for more than 2~3 minutes on one part of the body. (The projector must be moved to another part of the body after 2~3 minutes.)
11. Do not apply shock to the product.
12. Do not dose the supporting mat or detach the remote control during use.  
(The active mode is automatically terminated.)
13. The appliance has a heated surface. Persons insensitive to heat must be careful when using the appliance.
14. Please take care not to spill any foreign substance in between the main equipment and the auxiliary parts. (It can cause electric shock, fire, injury, and equipment failure.)
15. Please do not throw the remote control or pull on the connecting cable.  
(It can cause injury and equipment failure.)
16. The Automatic Thermal Massager is intended for muscle relaxation therapy by delivering heat and a soothing massage to the applied areas.



## Ground connection method

This product must be connected to a ground connection.

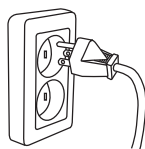
The ground connection reduces resistance against electric currents in case there are any defects or breakdowns which may lead to electric shocks and damage. On the product, there are conductors and electric terminals where the power cord is located. The power cord has been installed to comply with regional laws; therefore it must be connected to where there is a socket.



Danger

Check the connection of the product.  
(Inappropriate connection may lead to electric shock and damage.)

If you suspect that the product's power cord and connection point has a problem, request investigation from an electrician or service personnel. This product is for 100-127V~ and the power terminal is installed as can be seen in the picture on the right. Connect the power cord to a socket that looks like the one shown in the picture. This product does not use an adaptor.



### Notice to users

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.

NOTE: This equipment has been tested and found to comply with the limit for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.



Caution

- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

# Contents

## >> Important Safety Issues ..... 01

- Danger
- Warning
- Caution

## I. Introduction of the product ..... 07

1. Product's characteristics
2. The name of each part

## II. Installation and preparation ..... 11

1. Check product's composition
2. Check before product installation
3. Installation
4. Check after installation

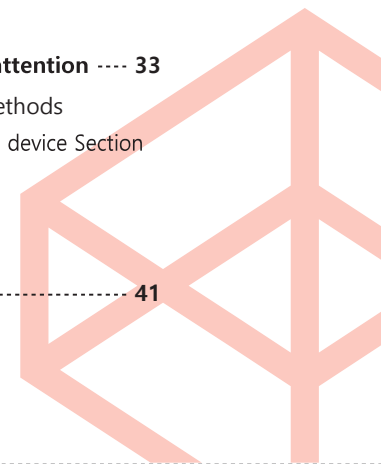
## III. Using the product ..... 17

1. Remote control Layout / Back label
2. How to use the remote control
3. How to use the product (by mode)
4. How to move the product

## IV. Management and matters that require attention ---- 33

1. Management techniques and storage methods
2. Importance of monitoring the activity of the device Section
3. Product specifications
4. Product warranty

## V. Service manual ..... 41



# MEMO

## I . Introduction of the product

1. Product's characteristics
2. The name of each part



## 1. Product's characteristics

### 1. Easy-to-Use Exterior Design

Easy-to-use exterior design matches well with any home interior article. The sliding design of the supporting mat requires minimum space and is convenient for the user.

### 2. Strength control function

Strength may be controlled in 6 levels according to the preference of users.

### 3. Slim, Easy-to-Use Remote Control

The slim and light remote control has function keys in the form of icons for more convenient product operation and simpler manipulation.

### 4. External projectors (3-sphere, 9-sphere) provided

External projectors that can be used while this massaging equipment is operated are provided as basic items; users may select 3-sphere or 9-sphere projectors for the arms and abdomen.

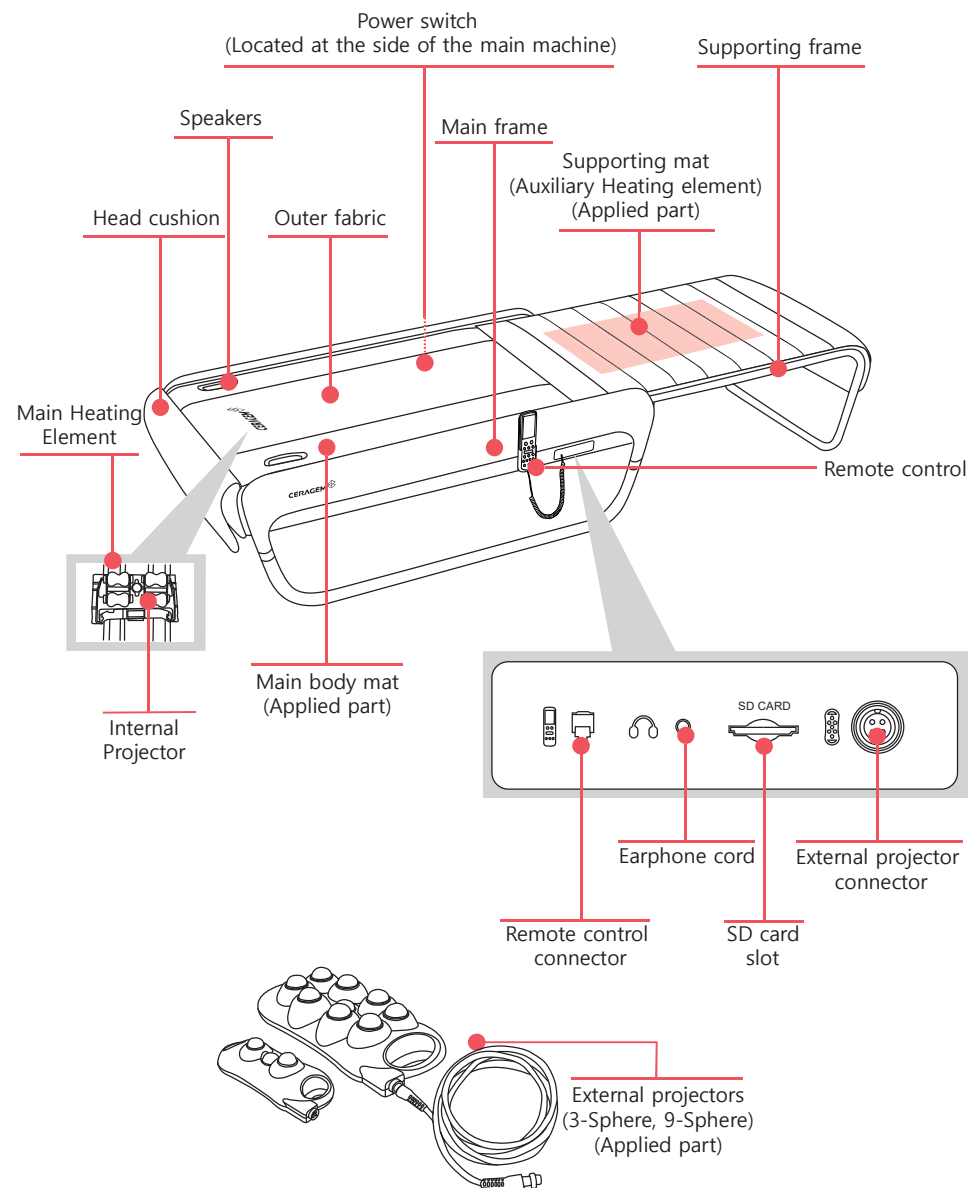
### 5. Indications for Use:

The intended use of the Ceragem® Thermal Massager Model CGM MB-1101 Automatic Thermal Massager is to provide muscle relaxation therapy by delivering heat and soothing massage. Additionally, the product provides topical radiant infrared heat for:

- Temporary relief of minor muscle and joint pain stiffness
- Temporary relief of minor joint pain associated with arthritis
- Temporary increase in local circulation where applied
- Relaxation of muscles



## 2. The name of each part



# MEMO

## II. Installation and preparation

1. Check product's composition
2. Check before product installation
3. Installation
4. Check after installation



## 1. Check product's composition

1		<b>External projectors (3-Sphere, 9-Sphere)</b> Easy to use on body parts such as the arms and abdomen. Two people should not use the device simultaneously.
2		<b>External Projector Cable</b> To use the external projector, connect it to the main body.
3		<b>External projector cover</b> It can be used while covering the external projector.
4		<b>Remote control</b> Used to check the product functions and operating condition of the product.
5		<b>Remote Control Cable</b> To use the remote control, connect it to the main body.
6		<b>Remote control cradle</b> The remote control cradle can be assembled onto and used on the main body of the product.
7		<b>Remote Control Back Label</b> Indicates the functions of the keys of the remote control; it can be attached to the back of the remote control.
8		<b>Power cord</b> Connects with the main body and plugs into an outlet for use.
9		<b>User manual</b> Information on how to use the product.
10		<b>SD card</b> Users may add their preferred music in addition to the Ceragem default sound.
11		<b>Outer fabric</b> Protects against product contamination and burns; this detachable fabric makes washing easy.
12		<b>Head cushion</b> This is attached to the top of the product.
13		<b>Assembly guide</b> Product assembly methods are described.



## 2. Check before product installation

1. Install where the ground is flat to avoid the risk of damaging the product.

2. Try and avoid installation where there is a lot of humidity or dust.  
(To avoid risking electric shocks or fire.)

3. Install according to the designated order.

4. When installing, check that the rated voltage is 100-127V~.  
(To avoid circuit damage or fire.)

5. Do not drop the product or apply any force to it.  
(This could cause malfunctioning.)

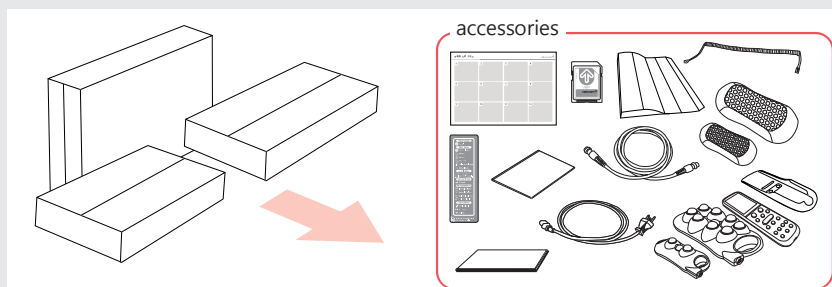
6. Do not use damaged power cords, plugs or old sockets.

7. You must connect to a socket with a connection terminal.  
(To avoid risking electric shocks.)

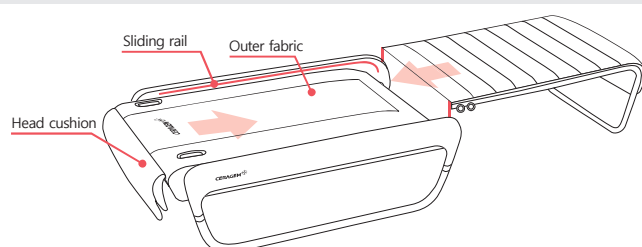


## 3. Installation

- 1 Take out the product and its components from the box.

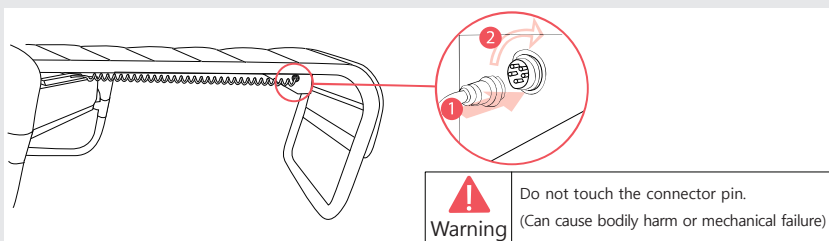


- 2 After fastening the supporting mat to the sliding rail, place the main body mat (which is attached to the head cushion and the outer fabric) onto the main body frame. (After moving the supporting frame to the middle of the main body, push in the main body mat completely.)



\* Please refer to the Frame Assembly Guide on how to assemble the frame.  
\* Please check both sides of the rail carefully before assembling the supporting mat.

- 3 Connect the cable which is attached to the main body to the connector of the supporting frame. (Open the supporting frame before connecting.)

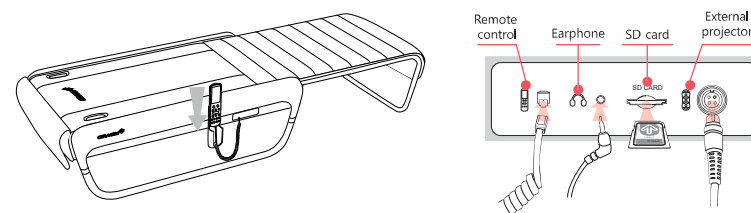


## 3. Installation

- 4 Please connect the Remote Control, External Projectors and cable properly. (Before connecting the power cord, connect the remote control first.)



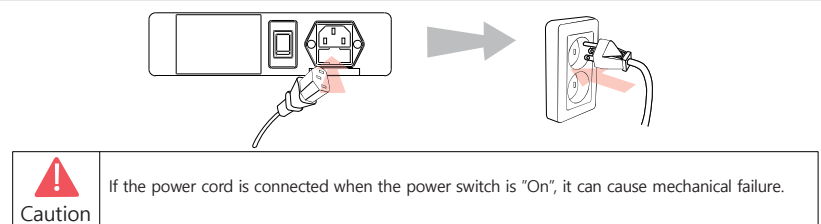
- 5 Assemble the remote control cradle onto the frame and place the remote control onto the cradle. Check the connectors for the SD card, remote control and the external projector and connect appropriately.



**Caution** Please keep earphones plugged in only when in use.  
Please make sure that the sticker side of the SD card is facing up before inserting into the main body.  
After turning the power off, please push the SD card all the way in.

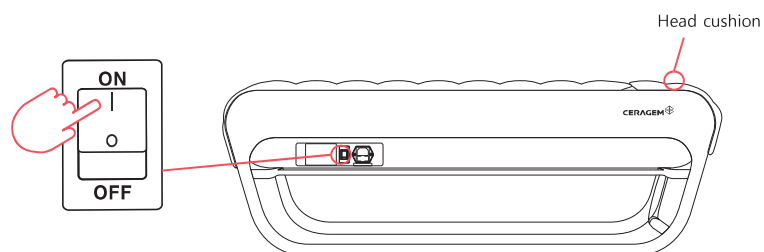
**Warning** Do not touch signal input, signal output or other connectors, and the patient simultaneously.  
Do not touch the connector pin.(Can cause bodily harm or mechanical failure.)

- 6 Connect the power cord onto the main body and plug into a socket..

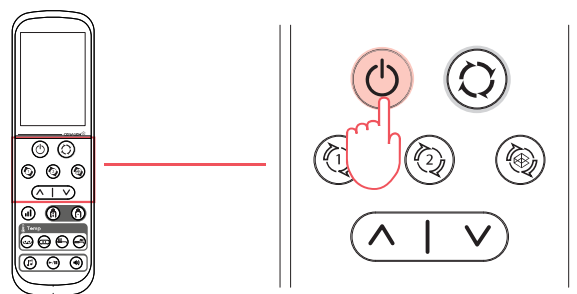


## 4. Check after installation

- 1 Turn on the power at the side of the main body.  
(Please turn off the power when the product is not being used.)



- 2 Press the power key of the remote control and check whether the display turns on.



\*For the remote control's screen, refer to page 20.



Caution

1. Before connecting the power cord, connect the remote control first.
2. According to the user, set the temperature appropriately when using the product.
3. When sitting down and using the product, open the supporting frame completely.
4. After using the product, turn off the power on the remote control and then turn off the main body.

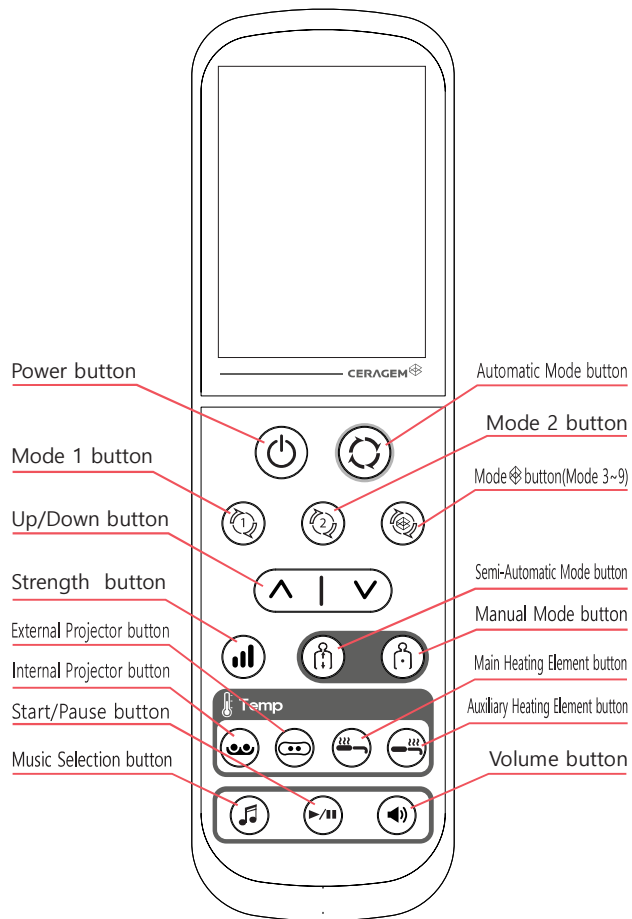
## III. Using the product

1. Remote control layout / Back label
2. How to use the remote control
3. How to use the product (by mode)
4. How to move the product



## 1. Remote Control layout / Back label

### Remote control button layout/Back label



\* Button layout

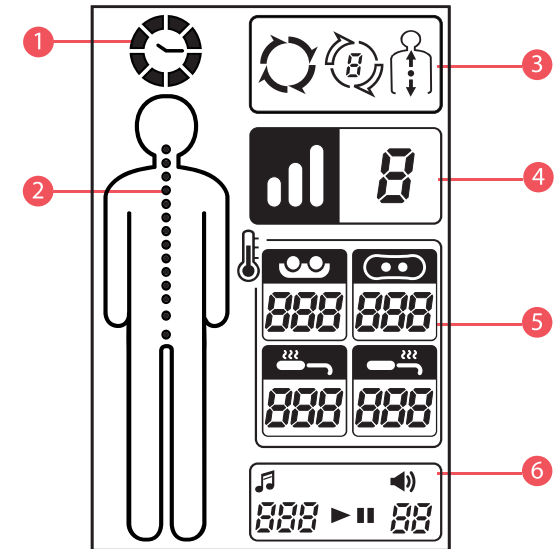


\* Back label



## 2. How to use the remote control

### Screen layout



1	<b>Displaying the operation time</b> When the mode is in operation, the time icon is turned on, displaying the operating time by having the blank disappeared one by one.
2	<b>Internal projector position symbol</b> Lights up to show the position of the internal projector.
3	<b>Mode symbol</b> (Automatic mode, Mode 1~9, Semi-Automatic/Manual mode) Displays modes in use.
4	<b>Strength symbol</b> Displays the strength of the internal projector in use.
5	<b>Temperature symbol</b> (External/Internal projector, Main/Auxiliary heating element) Displays the estimated temperature and setting values.
6	<b>Sound symbol</b> (Music number, Start/Pause, Volume) Displays information related to sound.

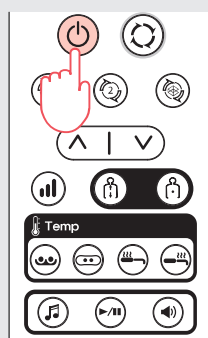
\* On/Off button can easily be accessed on the remote control.




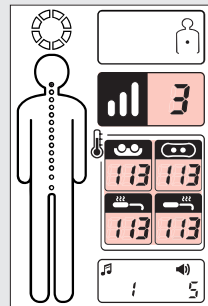
## 2. How to use the remote control

### Turning on the remote control

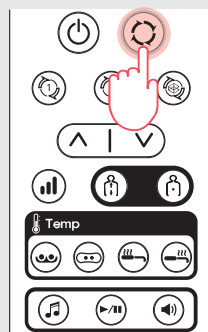
Remote control must be held in the hand of the person using the device so that the On/Off button can be accessed easily.



1. Check the condition of the product connections and press the power key of the remote control.
  - To turn off the remote control OFF, press and hold the power key for more than 1 second.
  - \* If you want to stop the device during the operation because of discomfort or other reasons, press ON/OFF( ) button immediately and it will stop.



2. Check the display on the remote control.
  - The current strength and temperature are displayed.
  - The internal projectors automatically move to the position of the head when the remote control turns on.



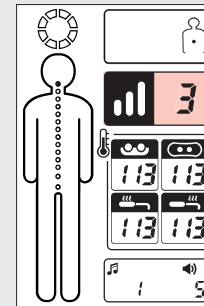
3. Select the key to be used.
  - Refer to pages 25~28 for the mode selection.



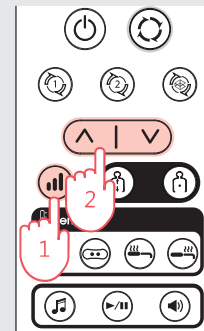
## 2. How to use the remote control

### Adjusting Strength

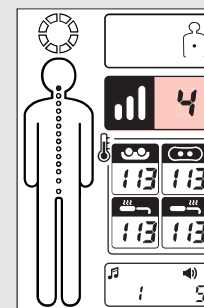
The strength of the internal projectors can be adjusted before or during use.



1. Check the current strength level.
  - Pressing the strength key causes the set point to flash.



2. After pressing the strength key, adjust the temperature to the desired level using the Up/Down key.
  - Strength can be adjusted in 1~6 levels.



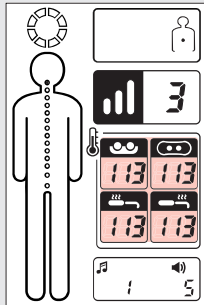
3. Check the changed strength set point on the remote control display.



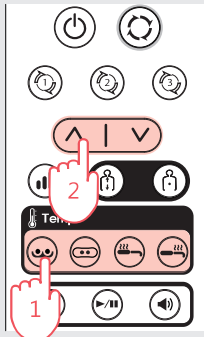
## 2. How to use the remote control

### Adjusting Temperature

Depending on the mode in use, the temperature of the internal projector, external projector, main heating element, and the auxiliary heating element can be adjusted.



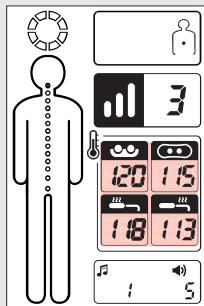
1. Check the current temperature.



2. Press the temperature key and set the temperature to the desired level using the Up/down key.

- Pressing the temperature set key causes the temperature set point to flash.

Internal Projector	External Projector	Main Heating Element	Auxiliary Heating Element(see p.9)
OFF, 86°F~149°F (30°C~65°C)	OFF, 86°F~140°F (30°C~60°C)		



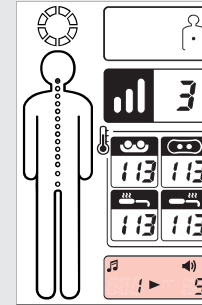
3. Check the changed temperature set point on the remote control display.
- When the temperature setting is completed, the temperature is converted into the current level after a few seconds.



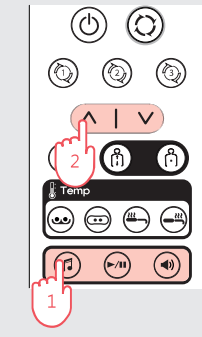
## 2. How to use the remote control

### Adjusting Sound

The sound settings can be adjusted while in use.

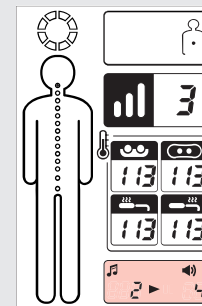


1. Check the current condition of sound.



2. Press the sound key and select the desired setting using the Up/Down key.

Music Selection	Start/Pause	Volume
Ceragem Sound : 1~10 User Sound : 11~100		0~10



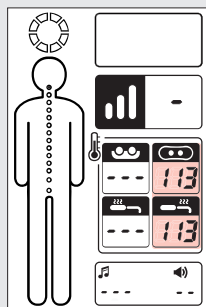
3. Check the condition of the changed sound on the remote control display.



## 2. How to use the remote control

### When the auxiliary part is closed

When the auxiliary part is closed the external heating element and the Thermal feature can be used.

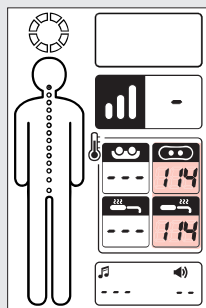


1. Turn on the remote control power supply and check the display.
  - External projectors appear only when they are connected.



2. Press the temperature key and select the desired level of temperature using the Up/Down key.

External Projector	Auxiliary Heating Element
OFF, 86°F ~ 140°F (30°C ~ 60°C)	



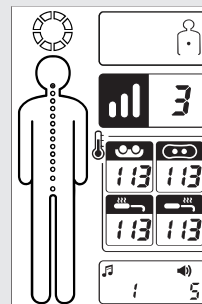
3. Check the changed temperature set points on the remote control display.
  - When the temperature setting is completed, the temperature is converted into the current level after a few seconds.



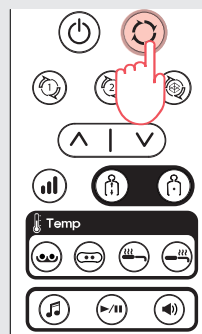
## 3. How to use the product (by mode)

### Automatic Mode (Mode Duration: Approx. 36 minutes 30 seconds)

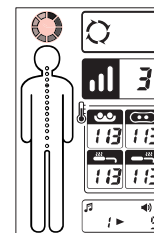
The automatic mode allows one to use the product's without additional operation.



1. Turn on the remote control power supply and check the display.
  - External projectors appear only when they are connected.
  - The current strength and temperature are displayed.

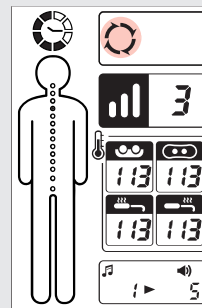


2. Pressing the automatic mode key twice (once during the Manual mode) causes the Ceragem Sound to be played to begin at the sound of the buzzer. Please lie down with correct body posture.



(correct body posture : Place your head on the mark of outer fabric, lie back and relax).

- Pressing the key once causes the current active mode to blink for 3 seconds. Pressing it again within 3 seconds changes the mode.
- If in Manual Mode, please note that the mode will be changed immediately without blinking.
- The display showing operating time blinks while the internal projector moving to the head's position.



3. Assume a correct body posture. the mode is automatically executed.
  - The operating time is displayed on top of the body icon.
  - A buzzer will sound in Abdomen mode.

Assume a proper posture for abdominal thrust.

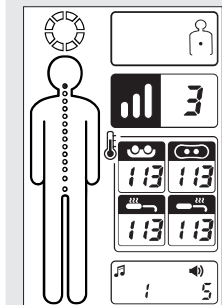
  - Once the mode is terminated, the buzzer will sound, and the remote control will turn off.
  - Refer to pages 21~23 for information on strength, temperature, and sound settings.
  - In abdominal mode, the user assumes a prone position to thermal massage on the abdomen.

- \* The duration of operation modes can vary depending on the body type of the user.
- \* Device shuts off automatically after it has completed the massage program.



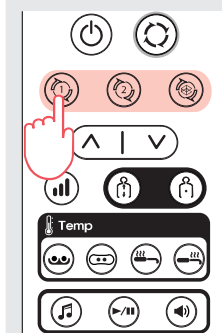
## 3. How to use the product (by mode)

### Mode 1~9 (Mode Duration: Approx. 36 minutes 30 seconds, Mode 2 : Approx. 18 minutes)

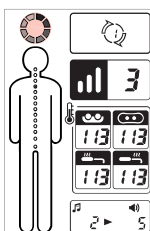


1. Turn on the remote control power supply and check the display.

- External projectors appear only when they are connected.
- The current strength and temperature levels are displayed.

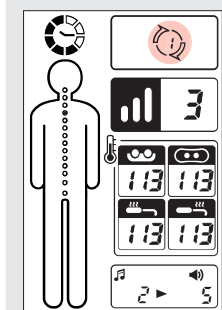


2. Pressing the mode 1, 2, or 3 ~ 9 key twice (once for Manual mode) causes the Ceragem Sound to be played to begin at the sound of the buzzer. Please lie down with correct body posture.



- Pressing the key once causes the current active mode to blink for 3 seconds. Pressing it again within 3 seconds changes the mode.
- If in Manual Mode, please note that the mode will be changed immediately without blinking.
- The display showing operating time blinks while the internal projector moving to the head's position.

	Press twice to select Mode 1
	Press twice to select Mode 2
	Long-press. (Select modes 3~9 in sequence.)



3. Assume a correct body posture. the mode is automatically executed.

- The operating time is displayed on top of the body icon.
- When the mode is terminated, the buzzer will sound, and the remote control will turn off
- Refer to pages 21~23 for information on strength, temperature, and sound settings.

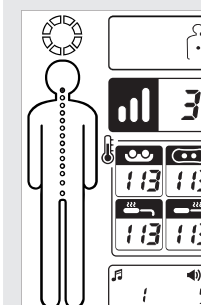
Mode 1	Mode 2 (18 minutes)	Mode 3	Mode 4	Mode 5	Mode 6	Mode 7	Mode 8	Mode 9

- \* The duration of operation modes can vary depending on the body type of the user.
- \* Device shuts off automatically after it has completed the massage program.



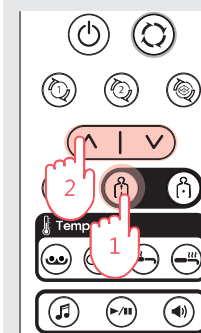
## 3. How to use the product (by mode)

### Semi-automatic Mode (Mode Duration: Approx. 18 minutes)

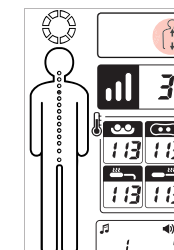


1. Turn on the remote control power supply and check the display.

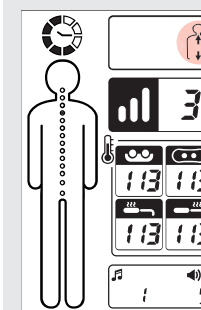
- External projectors appear only when they are connected.
- The current strength and temperature are displayed.



2. After pressing the semi-automatic mode key twice (once for Manual mode), move the internal projectors to the desired position.



- Pressing the key once causes the current active mode to blink for 3 seconds. Pressing it again within 3 seconds changes the mode.
- If in Manual Mode, please note that the mode will be changed immediately without blinking.



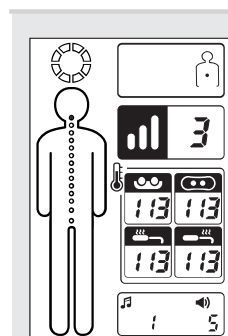
3. The mode is automatically executed centering on the designated position. Assume a correct body posture.

- The operating time is displayed on top of the body icon.
- When the mode is terminated, the buzzer will sound, and the remote control will turn off.
- Refer to pages 21~23 for information on strength, temperature, and sound settings.

\* Device shuts off automatically after it has completed the massage program.

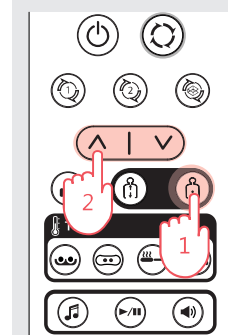
## 3. How to use the product (by mode)

### Manual Mode (Mode Duration: Approx. 60 minutes)

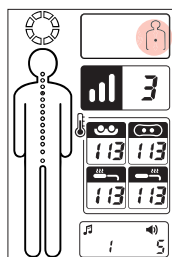


1. Turn on the remote control power supply and check the display.

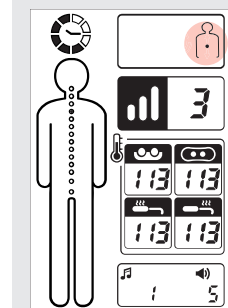
- External projectors appear only when they are connected.
- The current strength and temperature are displayed.



2. After pressing the manual mode key twice, move the internal projectors to the desired position.



- Pressing the key once causes the current active mode to blink for 3 seconds. Pressing it again within 3 seconds changes the mode.
- If in Manual Mode, please note that the mode will be changed immediately without blinking.



3. Thermal massage begins from the designated position. Assume a correct body posture.

- The operating time is displayed on top of the body icon.
- Five minutes after the remote control is activated, the internal projectors automatically move to prevent burns.
- Sixty minutes after being activated, the remote control is automatically turned off, and the mode is terminated.
- Refer to pages 21~23 for information on strength, temperature, and sound settings.

\* The duration of operation modes can vary depending on the body type of the user.  
\* Device shuts off automatically after it has completed the massage program.

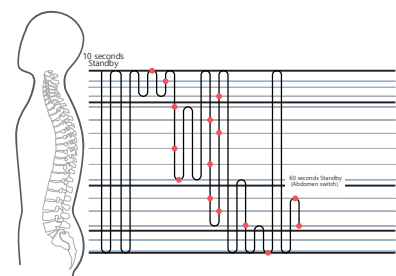
## 3. How to use the product (by mode)

### Ceramic moving pattern by mode

● Thermal massage (88 seconds)

#### Automatic Mode

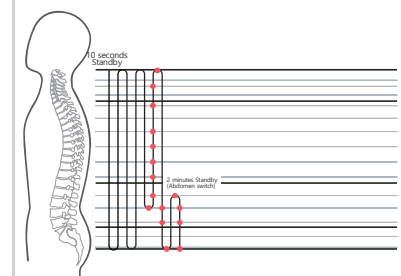
(Mode Duration: Approx. 36 minutes 30 seconds)



#### Mode 1

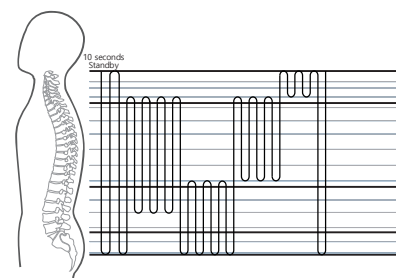
(Mode Duration: Approx. 36 minutes 30 seconds)

● Thermal massage (100 seconds)



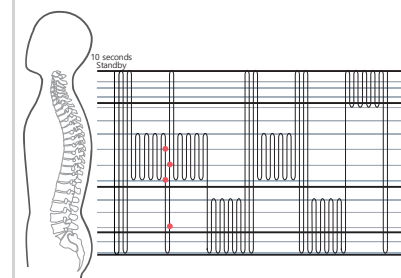
#### Mode 2

(Mode Duration: Approx. 18 minutes)



#### Mode 3

(Mode Duration: Approx. 36 minutes 30 seconds)





\* The massage patterns may be adjusted depending on the user's height.



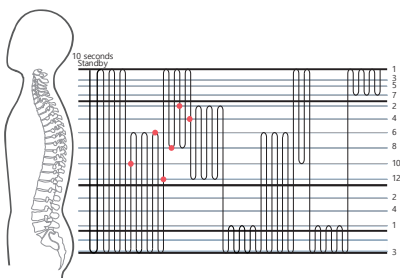
## 3. How to use the product (by mode)

### Ceramic moving pattern by mode

● Thermal massage (88 seconds)

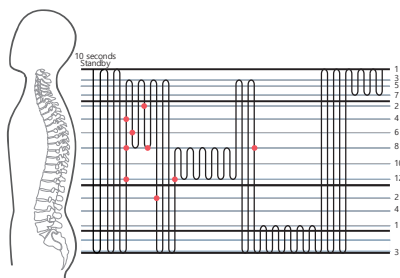
#### Mode 4

(Mode Duration: Approx. 36 minutes 30 seconds)



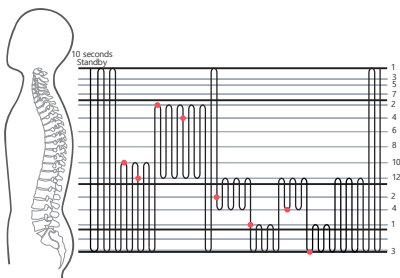
#### Mode 5

(Mode Duration: Approx. 36 minutes 30 seconds)



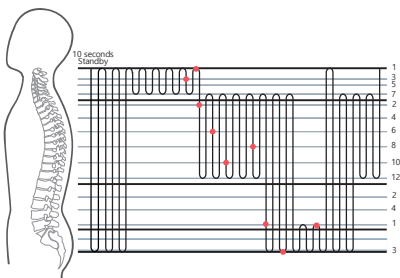
#### Mode 6

(Mode Duration: Approx. 36 minutes 30 seconds)



#### Mode 7

(Mode Duration: Approx. 36 minutes 30 seconds)



\* The massage patterns may be adjusted depending on the user's height.



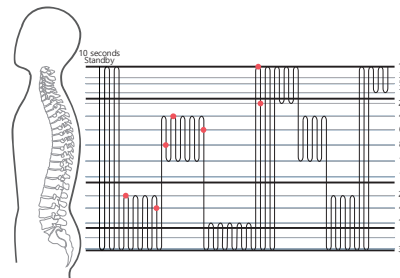
## 3. How to use the product (by mode)

### Ceramic moving pattern by mode

● Thermal massage (88 seconds)

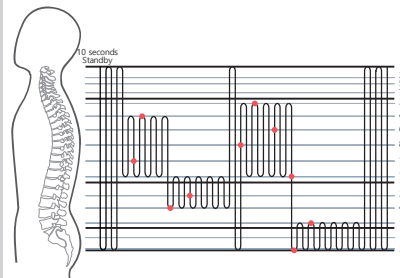
#### Mode 8

(Mode Duration: Approx. 36 minutes 30 seconds)



#### Mode 9

(Mode Duration: Approx. 36 minutes 30 seconds)



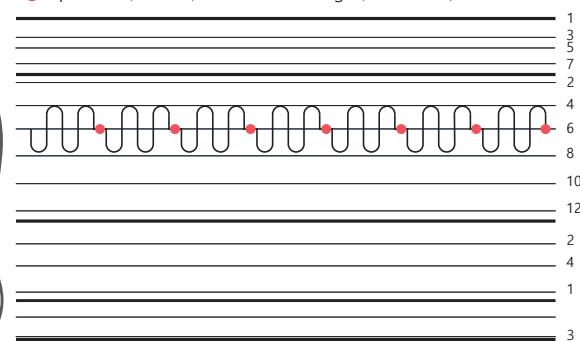
#### Semi-automatic Mode

(Mode Duration: Approx. 18 minutes)

Messaging is repeated on a specified section centering on the final position of the internal projectors.



● Up&Down(3 Times) + Thermal massage (60 seconds)

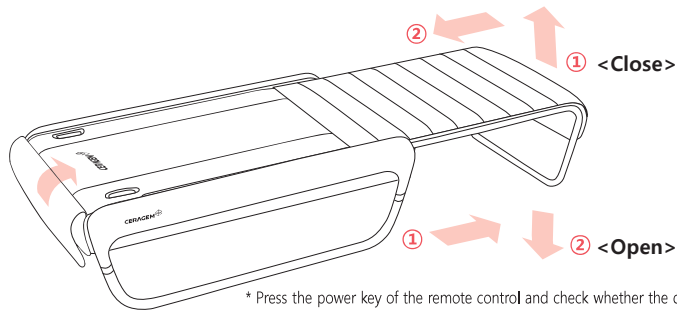


※ Users may adjust the position.

## 4. How to move the product

1

Disconnect the power cord, remote control, and external projector from the main body. Then, lift the head cushion and close the supporting mat. (To open the supporting mat, pull forward and then lower it.)

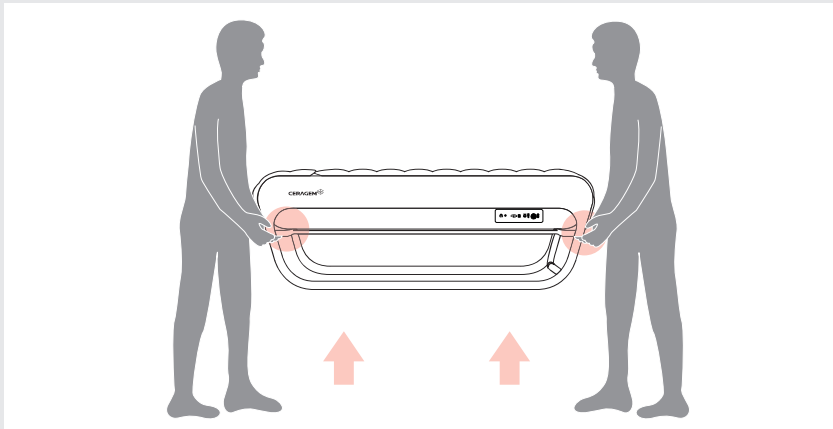


Caution

When moving the device, please make sure that the remote control is turned off first before turning off the rest of the device. (After turning off the remote control, please wait 10 seconds before closing the supporting frame.)

2

Two people must hold both sides of the main body frame and lift and move horizontally.



Caution

When lifting the equipment, please lift slowly while straightening your back and bending your knees.

## IV. Management and matters that require attention

1. Management techniques and storage methods
2. Importance of monitoring the activity of the device Section
3. Product specifications
4. Product warranty



## 1. Management techniques and storage methods

1. Leather is an oil based product. Therefore it is crucial that it is not exposed to organic solvents such as acetone, ballpoint pen ink, gasoline, thinners, sweat, mousse, spray, and etc.

2. Where there is direct contact with the head or skin, wipe with a dry cloth.

3. If there is contact with cosmetic products or volatile emulsions and is left for a long time, the surface may peel off so wipe with a dry cloth as soon as possible.

4. When washing the outer cloth, use a neutral detergent and wash alone by hand.

5. If there is contact with hot objects or heat, the leather will curl up so please use caution.

6. Avoid direct sunlight or humid places.  
(They can expose the product to bleaching or aging.)

7. Store at room temperature.



## 2. Importance of monitoring the activity of the device Section

### Inspection points before use

1. Is the power cord connected to the socket?
2. Did you check whether the main body's power button is "ON"?
3. Is the remote control power and the LCD screen "ON"?
4. Did you check whether the projector's temperature has been set to the appropriate level?
5. Is there anything strange on the exterior?
6. Did you check whether there is no damage to the external projector cover?

### Inspection points after use

1. Have the remote control and LCD screen been turned "OFF"?
2. Did you check whether main body's power button is "OFF"?
3. Is the power cord disconnected from the socket?



## 2. Importance of monitoring the activity of the device Section

### Does the remote control turn on?

Q: Is the power switch (located at the side of the product) turned on?

A: Turn on the power switch.

Q: Is the power cord connected properly?

A: Connect the power cord again.

Q: Is the remote control connected properly?

A: Connect the remote control again.

### Are the external projectors working?

Q: Are the external projectors connected properly?

A: Connect the external projectors again.

### Is the product malfunctioning?

Q: Can you move the internal projectors using the Up/Down key?

A: Internal projectors can be moved using the Up/Down key only in semi-automatic mode and manual mode.

Q: Can some of the remote control keys be operated?

A: Check the condition of the supporting mat.

Some of the remote control keys cannot be operated if the supporting mat is not completely opened.

Q: Can the sound key of the remote control be operated?

A: The sound key of the remote control cannot be operated if the SD card is not installed properly.

Q: Can you hear the music?

A: Please check the condition of the SD card.

A: Please turn the power off and then on again.

### Are error messages displayed on the remote control?

Q: Does the remote control screen display tH, SE, HE, PH, Hod, HEE, HLE, CE, Vod, or VEE?

A: After checking the error messages, contact the Customer Support Center.

Never dismantle the product arbitrarily.



## 2. Importance of monitoring the activity of the device Section

In case of error during operation, the following messages appear on the remote control display:

Symbol	Symbol	Error location
tH	High temperature error	External Projector Internal Projector Main Heating Element Auxiliary Heating Element
SE	Faulty temperature sensor	Internal Projector Main Heating Element Auxiliary Heating Element
HE	Heating element error	External Projector Internal Projector
PH	High temperature error	Internal circuit
Hod	Overloading motor error	Horizontal motor drive
HEE	Faulty motor encoder	
HLE	Faulty upper & lower limit switch	
Vod	Overloading motor error	Vertical motor drive
VEE	Overloading motor error	
CE	Faulty communication line	Main computer and remote control connection Internal connection for main computer

Please contact the support center if any of the following symbols appear

: tH, SE, HE, PH, Hod, HEE, HLE, CE, Vod, VEE



Caution

Check the error messages displayed and contact the Customer Support Center



### 3. Product specifications

Model	CGM MB-1101
Article	Automatic Thermal Massager
Voltage	100-127V~, 50/60Hz
Consumption Power	360VA
Environment temperature	50°F ~ 104°F (10°C ~ 40°C)
Recommended Height	3'11" ~ 6'7"
SD card format type	FAT32
Number of user use files	100EA
MP3 Playable files	MP3
MP3 maximum power	2.2W
Measurement	When spread out: 27.5in×79.3in×17.7in(±0.2in) When folded: 27.5in×49.5in×17.7in(±0.2in)
Weight (excluding components)	main body: 50.7lbs(±4.4lbs) sliding support: 30.9lbs(±4.4lbs) frame: 35.3lbs(±4.4lbs)
Static Weight	298lbs
Maximum Permissible Weight	298lbs
Purpose of use	Help to muscle relaxation therapy, temporary relief of minor muscle and joint pain, stiffness, blood circulation.
Manufacturer	<b>CERAGEM CO., LTD.</b>

- \* To improve quality, design and product specifications may be changed without notice.
- \* Please be advised that since this product was manufactured for domestic use, no after-service will be available when used abroad.
- \* Use of third party SD cards can result in the equipment not being properly recognized.



### 4. Product warranty

#### Warranty

- \* Ceragem provides warranty on their products, under the Consumer Protection Law.
- \* If you purchase a product that has Ceragem's approval, warranty will last for 1 year and component repairs and services will be provided for free.
- \* This warranty is only valid in the country that the product has been purchased in.
- \* Contact the customer center in case of a breakdown.
- \* This product's component parts will be kept for a term of 3 years after the discontinuance of the product. Important component parts MOTOR, PCB, projector sliding part (internal projector) and etc. will be kept for a term of 5 years after the discontinuance of the product.

Product		Customer's name	
Model		Address 1	
Serial No.		Address 2	
Warranty period	1 year from the date of purchase	Location	
date of purchase		Postal code	
place of purchase		Telephone number	

(The place of purchase for this product must be completed and verified in order to receive services free of charge in the future.)

#### Service free of charge

You are only eligible to receive service free of charge for a breakdown within 1 year of purchasing the product and with appropriate use of the product. Products used for commercial purposes or used frequently may have shortened warranty periods.

#### Charged service

In order to provide quick and satisfactory service, we require that customers check the points stated below before requesting service. Services for items stated below will be charged.

- If the product is connected to a socket that is not 100-127V~.
- If the power has not been correctly connected.
- If the consumer did not install the product or use the product properly.
- If depletable component parts (inner cloth, outer cloth, external project cover and etc.) have worn out
- If an error in use has led to a breakdown.
- If breakdowns occur due to natural disasters (floods, burns, earthquakes, falling of a thunderbolt, war and etc.)
- if breakdowns occur when used in an inappropriate environment.

#### Matters that require attention

If the product breaks down or is damaged as follows, the responsibility is with the customer.

- If the product is repaired by an unofficial technician and causes a breakdown.
- If the product has been randomly repaired or remodeled by the consumer and causes a breakdown.
- If the product is damaged or breaks down due to misuse, abuse or carelessness.

#### Terms of warranty

This letter of warranty becomes applicable at the time of purchase or contract.

This letter of warranty is valid only to the person who purchased the product, and therefore those who acquired this product by transfer from the initial purchaser will not receive any warranty.

Any other letters of warranty that have not been issued by Ceragem, letters that have been additionally issued by others, or letters that have passed the expiry date are exempt from the terms stated above.

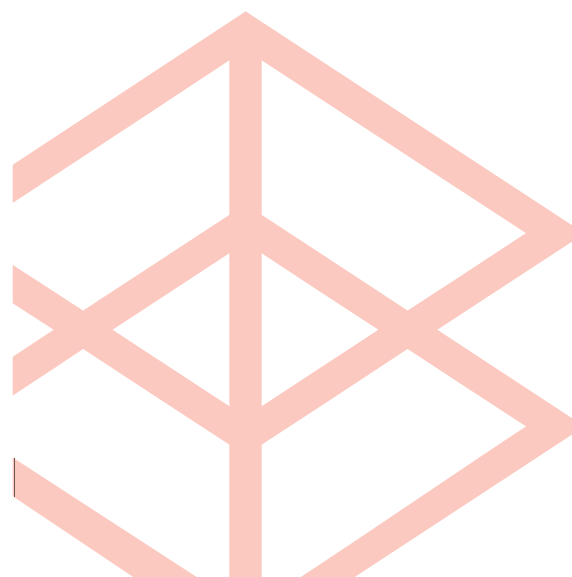
#### CERAGEM CO., LTD.

10, Jeongja 1-gil, Seonggeo-eup, Seobuk-gu,  
Cheonan-si, Chungcheongnam-do, 331-831, Korea  
Tel : (82)41-523-2550 Fax : (82)41-523-2560  
Homepage : <http://www.ceragem.net>

# MEMO

## V. Service manual

1. Explanation of mark, delivery, and storage
2. Attached documents





## 1. Explanation of mark, delivery, and storage

### Classification

Form of electric shock protection	CLASS I EQUIPMENT
Degree of electric shock protection	TYPE BF APPLIED PART.
Degree of protection from harmful invasion of water	Ordinary
Depending on the mode of operation	Continuous operation.



(Automatic Thermal Massager)  
WITH RESPECT TO ELECTRIC SHOCK  
FIRE, AND MECHANICAL HAZARDS ONLY  
IN ACCORDANCE WITH UL60601-1/CAN/CSA C22.2 No. 601.1  
47AB

: UL Classification Mark



This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling

V~ : AC (alternating current) voltage source

| : On (power: connectio to the mains)    O : Off (power: disconnection from the mains)



: TYPE BF APPLIED PART



: Attention, consult Accompanying documents



: This way up



: Keep dry



: Use no hooks



: Fragile ; handle with care



: Refer to instruction manual/booklet sign



: General prohibition sign

### The disposal of waste products / residues, etc.

Business users should contact CERAGEM and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

### Condition for Transport and Storage

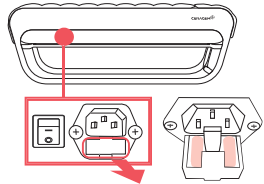
- a) An ambient temperature range of -20°C to +60°C.
- b) A relative humidity range of 10% to 95%.
- c) An atmospheric pressure range of 500hPa to 1060hPa

### Condition for Operation

- a) An ambient temperature range of +10°C to +40°C.
- b) A relative humidity range of 30% to 75%.
- c) An atmospheric pressure range of 700hPa to 1060hPa

### Condition for leakage current value

The allowable values of the TOUCH CURRENT are 100  $\mu$ A in NORMAL CONDITION and 500  $\mu$ A in SINGLE FAULT CONDITION.  
The allowable values of the EARTH LEAKAGE CURRENT are 5 mA in NORMAL CONDITION and 10 mA in SINGLE FAULT CONDITION.



Do not disassemble and contact the customer service center when problem occurs with a fuse.

Capacity of a fuse: AC 250V, T6.3AL

Time-Lag,  
6.3A,  
Glass Body Fuse

\* Pull the marked area to exchange the fuse (related to service engineer)

\* The equipment has to be installed at place built protective device having appropriate breaking capacity so that prospect short-circuit current do not exceed 40 A



## 2. Attached documents

### Guidance and Manufacturer's declaration - electromagnetic emission

The Model CGM MB-1101(CERAGEM CO., LTD. Automatic Thermal Massager)is intended for use in the electromagnetic environment specified below.The customer or the user of CGM MB-1101 should assure that it is used in such an environment

Emission test	Compliance	Electromagnetic environment - guidance
RF emissions CISPR 11	Group 1	The Model CGM MB-1101 uses RF energy only for its internal function. Therefore. Its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment
	Class B	The Model CGM MB-1101 is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonics emission IEC 61000-3-2	N/A	
Voltage fluctuation IEC 61000-3-3	N/A	



## 2. Attached documents

### Manufacturer's declaration - electromagnetic immunity

The CGM MB-1101 is intended for use in the electromagnetic environment specified below. The customer or the user of CGM MB-1101 should assure that it is used in such an environment.

Immunity test	IEC 60601 Test level	Compliance level	Electromagnetic environment - guidance
Electrostatic discharge (ESD) IEC 61000-4-2	6kV Contact 8kV Air	6kV Contact 8kV Air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical fast Transient/burst IEC 61000-4-4	2kV for power supply lines 1kV for input/output lines	2kV for power supply lines 1kV for input/output lines	The main power's quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	1kV differential mode 2kV common mode	1kV differential mode 2kV common mode	The main power's quality should be that of a typical commercial or hospital environment.
Power frequency (50/60Hz) Magnetic field IEC 61000-4-8	3.0 A/m	3.0 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
Voltage dips, short Interruptions and Voltage variations on power supply input line IEC 61000-4-11	<p>&lt;5% <math>U_T</math> (&gt;95% dip in <math>U_T</math>) for 0.5 cycle</p> <p>40% <math>U_T</math> (60% dip in <math>U_T</math>) for 5 cycle</p> <p>70% <math>U_T</math> (30% dip in <math>U_T</math>) for 25 cycle</p> <p>&lt;5% <math>U_T</math> (&lt;95% dip in <math>U_T</math>) for 5 s</p>	<p>&lt;5% <math>U_T</math> (&gt;95% dip in <math>U_T</math>) for 0.5 cycle</p> <p>40% <math>U_T</math> (60% dip in <math>U_T</math>) for 5 cycle</p> <p>70% <math>U_T</math> (30% dip in <math>U_T</math>) for 25 cycle</p> <p>&lt;5% <math>U_T</math> (&lt;95% dip in <math>U_T</math>) for 5 s</p>	The main power's quality should be that of a typical commercial or hospital environment. If the user of the CGM MB-1101 requires continued operation during power mains interruptions, it is recommended that the CGM MB-1101 be powered from an uninterruptible power supply or a battery.


Note :  $U_T$  is the a.c. mains voltage prior to application of the test level.



## 2. Attached documents

The CGM MB-1101 is intended for use in the electromagnetic environment specified below.

The customer or the user of the CGM MB-1101 should assure that it is used in such an environment

Immunity test	IEC 60601 Test level	Compliance level	Electromagnetic environment - guidance
Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz	3 Vrms 150 kHz to 80 MHz	Portable and mobile RF communications equipment should be used no closer to any part of the CGM MB-1101, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.  <b>Recommended separation distance</b>  $d = 1,2\sqrt{P}$
Radiated RF IEC 61000-4-3	3 V/m 80.0 MHz to 2.5 GHz	3 V/m 80.0 MHz to 2.5 GHz	<b>Recommended separation distance</b>  80 MHz to 800 MHz $d = 1,2\sqrt{P}$  800 MHz to 2.5 GHz $d = 2,3\sqrt{P}$  Where $P$ is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and $d$ is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, (a) Should be less than the compliance level in each frequency range (b).  Interference may occur in the vicinity of equipment marked with the following symbol:  

**Note 1)**  $U_T$  is the A.C. mains voltage prior to application of the test level.

**Note 2)** At 80 MHz and 800 MHz, the higher frequency range applies.

**Note 3)** These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

**a** Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the EUT is used exceeds the applicable RF compliance level above, the EUT should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the EUT.

**b** Over the frequency range 150 kHz to 80 MHz, field strengths should be less than [V1] V / m.





## 2. Attached documents

### Recommended Separation Distances Between Portable and Mobile RF Communications Equipment and the CGM MB-1101.

The **CGM MB-1101** is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The user of the **CGM MB-1101** can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the **CGM MB-1101** as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power (W) of transmitter	Separation distance (m) according to frequency of transmitter		
	150 kHz to 80 MHz	80 MHz to 800 MHz	800 MHz to 2.5 GHz
0.01	0.12	0.12	0.23
0.1	0.37	0.37	0.74
1	1.17	1.17	2.33
10	3.69	3.69	7.38
100	11.67	11.67	23.33

For transmitters rated at a maximum output power not listed above, the recommended separation distance (d) in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

**Note 1:** At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies

**Note 2:** These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects, and people.

Immunity and Compliance Level			
Immunity test	IEC 60601 Test Level	Actual Immunity Level	Compliance Level
Conducted RF IEC 61000-4-6	3 Vrms, 150 kHz to 80 MHz	3 Vrms, 150 kHz to 80 MHz	3 Vrms, 150 kHz to 80 MHz
Radiated RF IEC 61000-4-3	3 V/m, 80 MHz to 2.5 GHz	3 V/m, 80 MHz to 2.5 GHz	3 V/m, 80 MHz to 2.5 GHz

## MEMO