

S3E0N205030 Mar.04.25

# MASTER S4

User Manual CGM MS-2302

**CERAGEM**



Disposal of Old Electrical  
& Electronic Equipment  
Applicable in the European  
Union and other European  
countries with separate  
collection systems.



E515993

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# Cautions for use

This appliance is not intended for use by persons (including children) 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.




Children should be supervised to ensure that they do not play with the appliance.

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	Failure to follow these instructions may result in severe injury or even death.
 Warning	Failure to follow these instructions may result in serious injury or even death.
 Caution	Failure to follow these instructions may result in minor injury or damage to the product.

## SAFETY WARNING!

The bed should not be used by persons exceeding 298lbs/135kg in weight.



## D a n g e r

-  Be careful not to get burned from unintended use.  
Please follow the instructions carefully in order to reduce potential electric shocks.
- Do not use pins or any other metal objects while operating this product.
- Be sure to check the product frame before operating the product.  
(Stop using the product if there are any signs of cracks, breakage or excessive wear and tear.)
- Do not use the product in wet or humid conditions.
- When using the Abdominal Heating Projector, make sure to put the projector cover on so as to prevent it from coming into contact with your skin. (Burns may occur).
- When heating of the Abdominal Heating Projector is used, make sure that it will not come into direct contact with your skin. (Burns may occur).
- Do not rest the face (especially the eyes) on the Abdominal Heating Projector as this may result in serious eye injury.
- In case of thunder, lightning or earthquake, immediately stop using the product and unplug it. (Electric shock or fire may occur).
- Do not pull the cable to disconnect it, or touch the plug with wet hands. (Electric shock or fire may occur).
- The user is an intended operator.

Thank you for using our Ceragem Master S4.  
Ceragem expects and supports your healthy and happy life every day.  
Be sure to read the user manual in order to use the product safely and conveniently.  
This product is a medical device but is not intended to diagnose, treat, cure or prevent any disease.  
Please read the precautions and instructions carefully before use.

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## Cautions for use

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### Warning

- Only use the product if it is in proper working order.  
(Use of a damaged product could result in injury or burns).
- Unplug the product when it is not expected to be used for an extended period of time.
- Do not place items (textiles, blankets, pillows, etc.) or other materials that may catch fire other than the parts supplied by us on the outer projector or any part of the product. (Fire, electric shock, or loss of life may occur due to overheating).
- A guardian must be present at all times when the product is used by people who have difficulty expressing their opinions or have physical disabilities, such as the elderly or disabled.
  - Do not stand or run on top of the product.
  - Do not allow children to run on top of the product.
- Do not use the product under the circumstances listed below. Call the Customer Service Center and request an inspection or after-sales service:
  - If the product has been dropped or is damaged;
  - If the product is wet;
  - If the external cable is damaged; (electric shock or fire may occur.)
- Keep the power cord away from other appliances such as electric heaters.
- This product has been designed for indoor use only. Not for outdoor use.
- Do not use the product where there are foreign substances in the air or in places that handle oxygen.
- Do not use or apply skin care, cosmetic or medical products to the skin before or during use of this product.
- When dismantling the product, turn off the power on the remote control and the main mat and unplug the power cord.
- Caution should be taken when applying the heated surface.  
(Severe burns may occur).
- Do not use the product on body parts which are less sensitive or that have poor blood circulation.  
(Residual heat in the product may be dangerous to children or people with poor health).
- Do not sleep on top of the product.  
(Burns may occur or it may strain the spine).
- Do not attempt to disassemble, repair or modify the product. Call the Customer Service Center if repairs are required.  
(Electric shock, fire, injury or burns may occur).
- Be careful not to separate and use the mat or the cover arbitrarily. Do not insert any body part in between the mat and the cover.  
(Electric shock or injury may occur).
- After using the product, close the folding type mat (large cushion) after the surface of the product has cooled down sufficiently.  
(Fire may occur due to residual heat if the surface has not cooled sufficiently.)

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## Cautions for use

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### Warning

- Consult a medical specialist before using this product on someone who:
  - Is ill or presumed to be ill;  
(malignant tumor, high fever, extreme fatigue, or on life support);
  - Is highly allergic or sensitive to heat;
  - Is concerned about side effects from using the product on pregnant women, excluding pregnant women in the early stages of pregnancy;
  - Whose body temperature is higher than normal due to acute inflammatory symptoms and chills, etc.;
  - Has recently undergone surgery;
  - Has an infection or wound on an area of the skin where there is direct contact with the product;
  - Has severe osteoporosis;
  - Uses an implantable electronic medical device such as an implantable pacemaker;
  - Is insensitive to pain;
  - Has cancer or signs of fever;
  - Is undergoing medical care and treatment in hospital for acute disc herniation or spinal stenosis, or is concerned about recurrence.
- Do not use the product on someone who:
  - Is judged unsuitable for use by a doctor, such as people suffering thrombosis, embolism, severe varicose veins, acute varicose veins, etc.;
  - Has symptoms of sprains around the spine or muscles suddenly contracted and cut off;
  - Has a backbone (vertebral) abnormality due to an accident or past disease, or whose backbone is bent to the left or right;
  - Has osteomyelitis;
  - Has a risk of scoliosis;
  - May bleed due to pressure;
  - Has fractures around the spine and severe osteoporosis;
  - Is pregnant in the early stages of pregnancy (Stage 1, first 3 months of pregnancy);
  - Has a severe heart disease;
  - Has schizophrenia or uncontrolled epilepsy;
  - Has been recognized as having lost their sense of temperature due to severe peripheral circulatory disorders through severe diabetes, etc.;
  - Is receiving treatment after being diagnosed with a fracture;
  - Has been advised following a doctor's assessment to avoid the use of such products.

There has been no evidence of this product interfering with or influencing medications. If taking any medications, consult your doctor before using this product.

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## Cautions for use

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### Caution

- Do not twist your body; use the correct posture when operating the Spinal Thermal Projector.
- There is a chance of burns if the temperature is too high. Set a proper temperature when using the projector.  
(Use the product at the proper temperature after considering conditions such as constitution and skin).
- Those with sensitive skin must use the product at lower temperatures. (Burns may occur).
- Children, those who cannot control the temperature by themselves, and those who have weak or sensitive skin must be cautious when using the product for an extended period even if it is set at a low temperature because there is a risk of burning.  
(Always wear clothing when using this product.)
- If use is accompanied by any abnormal feelings or sensations, stop use immediately and consult a doctor.
- Do not use force to bend the power cord or the outer wiring. (Electric shock or fire may occur).
- Do not place flammable objects (candles, cigarettes or alcohol), containers with liquids, heavy objects, or sharp objects on top of the product. (Electric shock, fire or product damage may occur).
- Caution should be taken in relation to falling when climbing on or getting down from the product.
- Comply with the specifications regarding duration and methods of use as outlined in the User's Manual.  
(Use the product once or twice per day. Do not use parts other than those provided by the manufacturer).
- Do not use for more than 2 to 3 minutes on any one part of the body when setting a temperature over 113°F.  
(After using for 2 - 3 minutes, the projector should be moved to a different part of the body).
- Do not apply excessive force to the product.
- Do not close or fold the folding type mat (large cushion) during use. (The mode in progress will end automatically).
- Do not insert a foreign object into the space between the main body mat and the folding type mat (large cushion).  
(Electric shock, fire, injury or product failure may occur).
- Do not throw or drop the remote control or swing it by the cable.  
(Injury or equipment failure may occur).
- As the surface of the product is hot, caution should be exercised when using the product.
- This product has a heated surface. People who are insensitive to heat should be careful when using the product.
- Do not use the product if you have recently undergone skin-related surgery (e.g., skin graft) at the site of intended use.
- Do not use the product if you have recently undergone surgery for varicose veins, etc.
- Stop using the product if pain levels increase during use.
- Do not use the product if there is bleeding in the area to which you intend to apply it, or if you are experiencing pain or inflammation of an unknown cause.

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## Cautions for use

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### Caution

- Install the device in a way that allows the power cord to be pulled out easily in case of an emergency.
- Twisting may occur due to the characteristics of the remote control cable component, so check its condition after using the product.  
(If the cable is twisted, it may be difficult to store.)
- Be sure to fully open and close the folding type mat (large cushion) before using it.  
(Applying a load without fully opening and closing it may cause damage or failure.)
- Do not plug multiple electrical appliances into a single outlet at the same time.
- When using the product on the abdomen; do not use it on the rib area.
- This product is not a processed product under the Act on Protective Action Guidelines Against Radiation in the Natural Environment.
- Fabric with a water-repellent function is applied, so washing it may cause shrinkage, discoloration, or product failure.
- Use a vacuum cleaner to remove dust thoroughly.
- Cleaning with alcohol or other detergents may cause damage or discoloration.
- Please note that compensation will not be provided for damage caused by carelessness by the consumer or failure to wash the product according to the supplied handling instructions.
- Product color may vary by production lot.
- This device is intended to be used over clothing to prevent direct contact with the user.
- This product provides surface-level warmth for relaxation and for comfort.  
It is not intended for deep tissue therapy or medical treatment.

# Notice to users

This product complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this product may not cause harmful interference, and (2) this product must accept any interference received, including interference that may cause undesired operation.

NOTE: This product has been tested and found to comply with the limit for a Class B digital product, 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 product 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 product and receiver.
- Connect the product into an outlet on a circuit different from that to which the receiver is connected.

User must report a suspected medical device-related serious injury to both the authority and manufacturer.  
Also, if user encounter a situation that user consider to be an adverse event when using the device, user should also report it to the authorities and manufacturer.

This device is intended for home use. It designated for use in the home environment.



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

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# Indications for use

The Ceragem Automatic Thermal Massager is intended to promote relaxation with the optional warming feature for enhanced comfort. This device is not intended to diagnose, treat, cure, or prevent any disease.

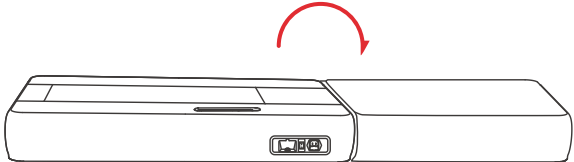
- This device:
- May provide temporary relief of minor muscle discomfort and stiffness.
  - May promote relaxation and minor relief from stiffness.
  - May support comfort and relaxation in applied areas.

## I. Overview

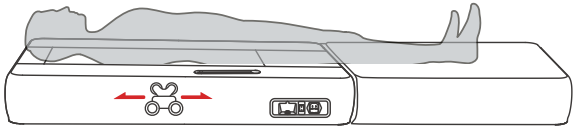
- 01. Components
- 02. Names of parts

Proper body position for use

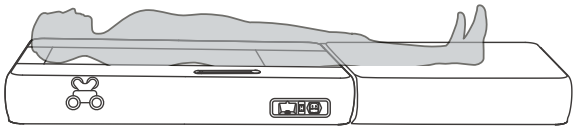
1) Unfold the product.



2) Lay your body on the product as shown below.




3) Lie down in such a way that the projector can be placed on your neck area.







01 Components




Main body mat




Folding type mat (large cushion)



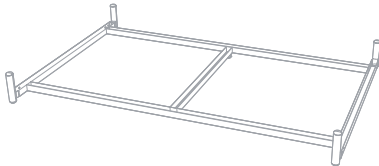
Remote control



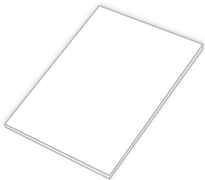
Separation type mat (small cushion)



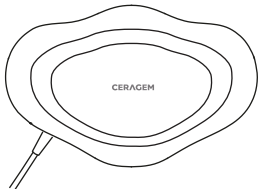
Outer cloth



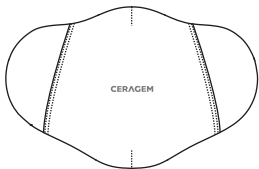
Frame




User Manual



Abdominal Heating Projector



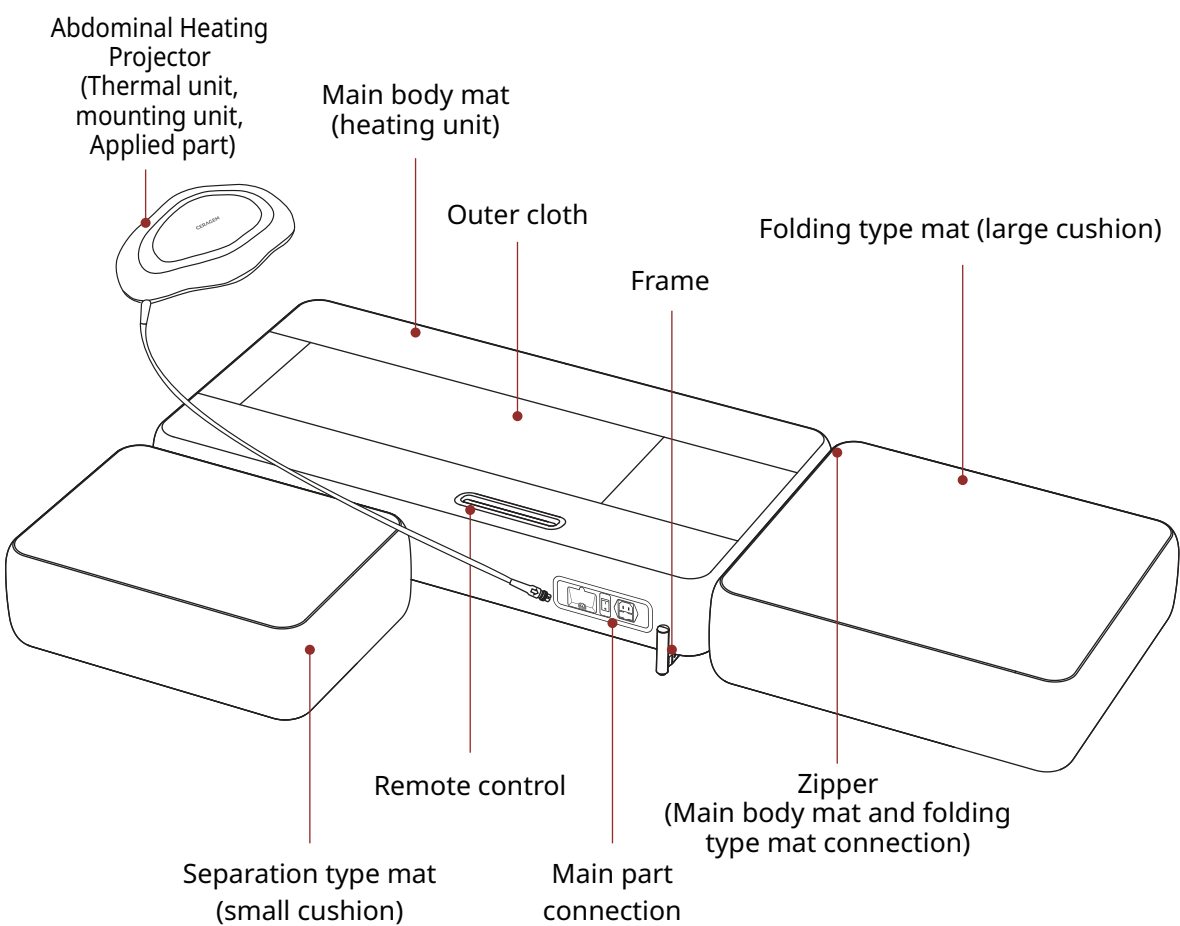
Protector cover



Power cord

02 Names of parts

Design (color) and the outer cloth pattern may vary according to the particular product.



Abdominal Heating Projector (Thermal unit, mounting unit, Applied part)

Main body mat (heating unit)

Outer cloth

Frame

Folding type mat (large cushion)

Remote control

Separation type mat (small cushion)

Main part connection

Zipper (Main body mat and folding type mat connection)

Abdominal Heating Projector

Power switch

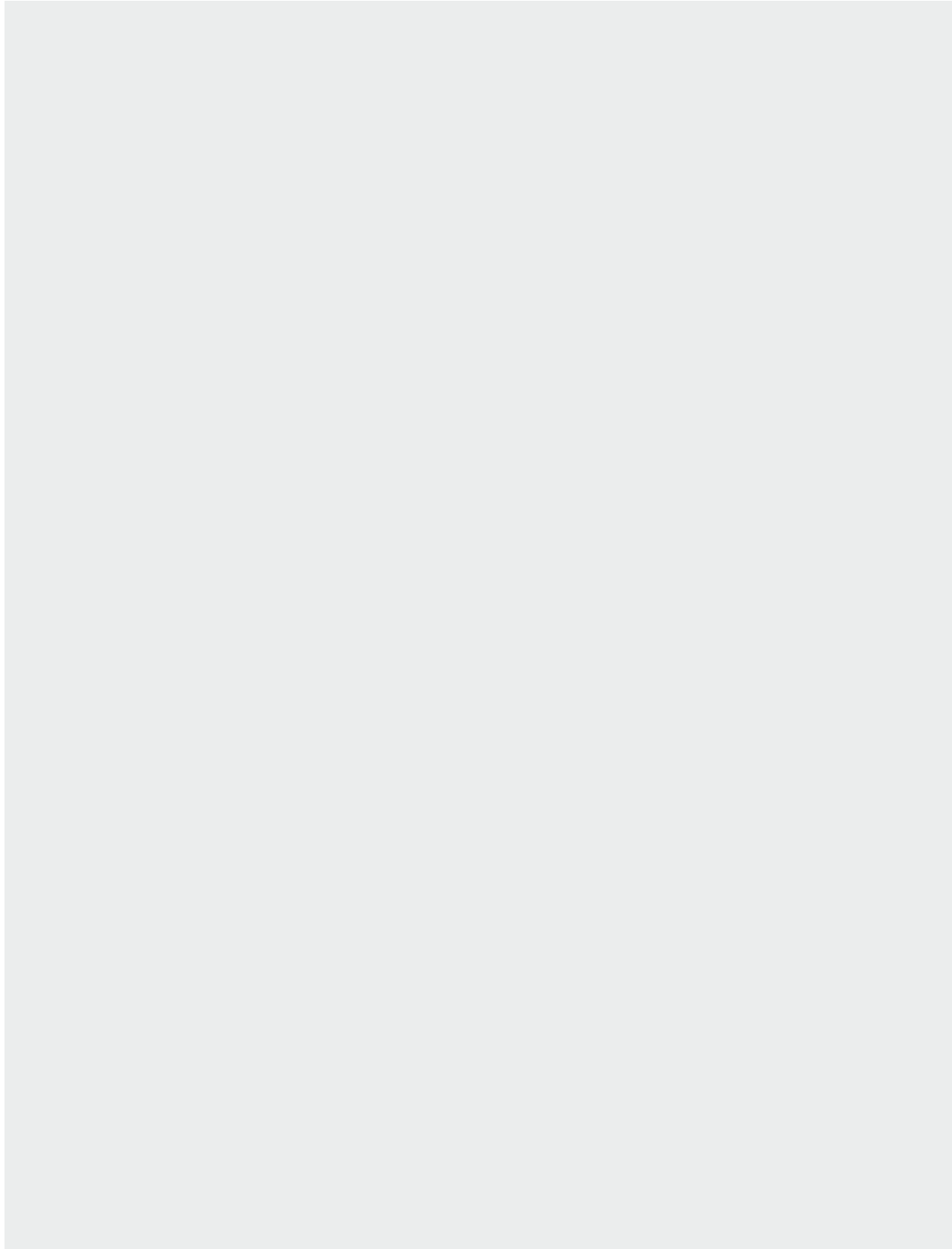
Power cable

Main part connection (positioned bottom right side of the main body mat when lying on the product)

Spinal Thermal Projector (heating unit)

Internal heater (heating unit)

Spinal Thermal Projector (positioned inside the main body mat)



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## II. Getting ready

- 01. Cautions before product installation
- 02. Installation
- 03. Check after installation



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## 01 Cautions before product installation

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- 
- 01 Install the product on a flat surface  
(Product damage may occur.)
  - 02 Do not install in a dusty or humid location.  
(Electric shock or fire may occur).
  - 03 Install in the correct installation order.
  - 04 Do not drop the product or apply any force to it.  
(Product malfunction may occur.)
  - 05 Check the rated voltage for product installation.  
(Incorrect voltage may result in damage to the circuits, or fire.)
  - 06 Do not use old outlets and damaged power cords or plugs.  
(Electric shock may occur.)
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## 02 Installation

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- 
- 01 Remove the product and its components from the box.
  - 02 Position the product,  
and fix the outer cloth by connecting it to the zipper at the top of  
the main part connection.
  - 03 Connect the folding type mat (large cushion) to the zipper on  
the opposite side of the product and  
close it properly in a way that ensures the fabric is not folded.
  - 04 Fold the folding type mat (large cushion) and place the separation  
type mat (small cushion) on top.  
Connect the power cord to the main body mat first and plug it into  
the electric outlet.
- 

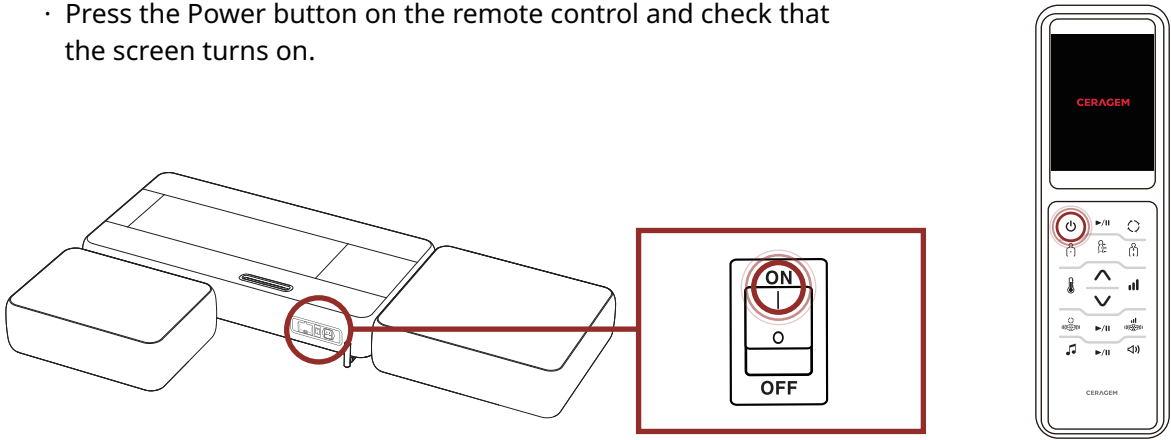


- Set the proper temperature for each user.
-

# 03 Check after installation

## Check after installation

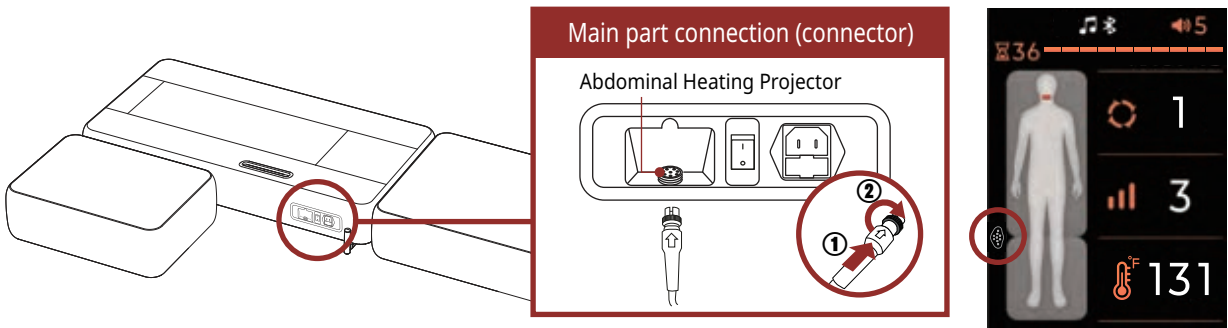
- Turn on the power located at the right side of the main body mat.
- Press the Power button on the remote control and check that the screen turns on.



- Lie down in such a way that the projector can be placed on your neck area.

## When using the Abdominal Heating Projector

- Connect the Abdominal Heating Projector to the main body.
- (Insert the connector correctly and lock it by turning the fixture.)
- After turning on the main body, check if the Abdominal Heating Projector icon is displayed on the remote control screen.



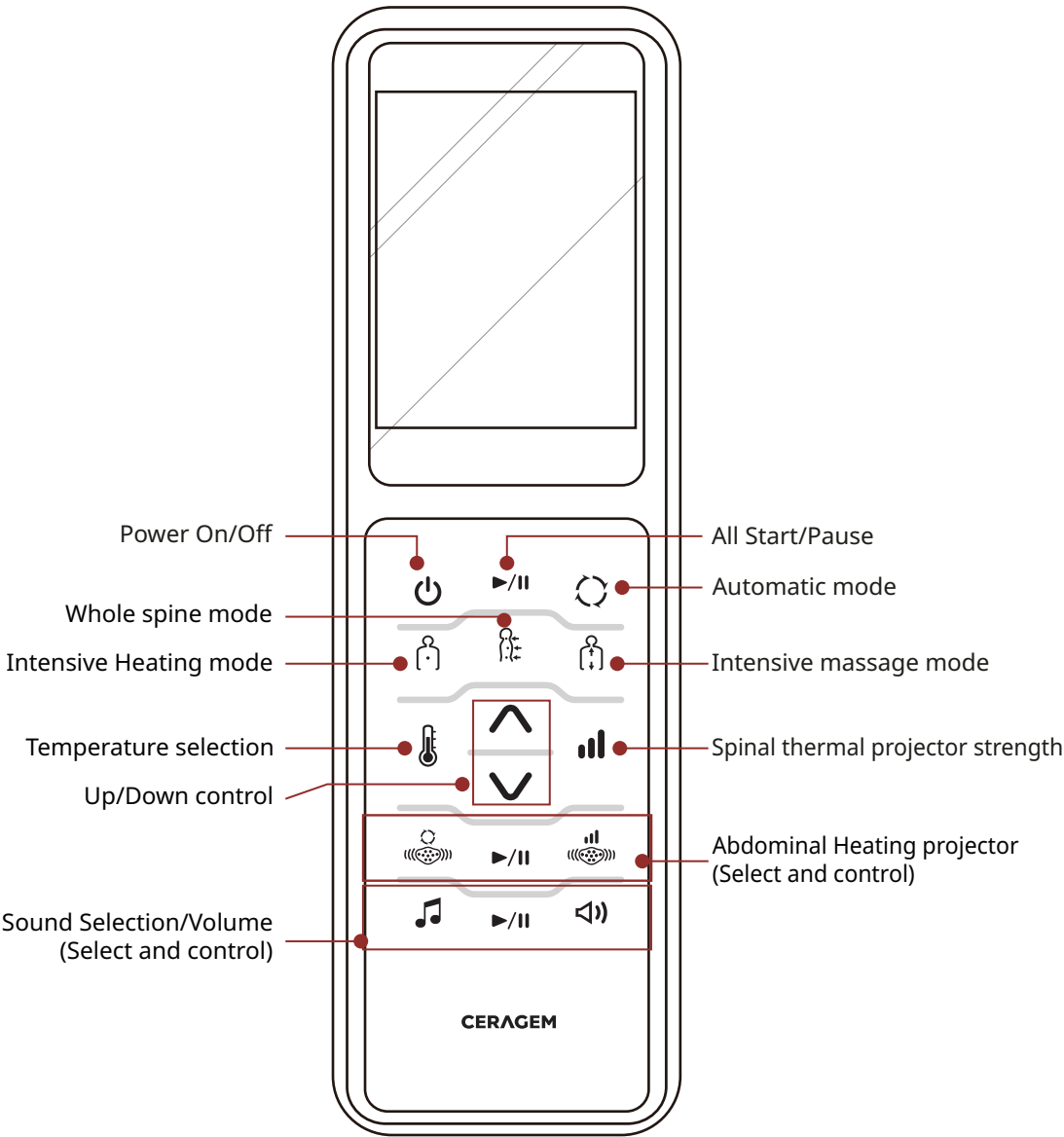
- Be careful when using Abdominal Heating Projector.  
(Burns may occur)

## III. Using

- 01. Remote control
- 02. Using the product
- 03. Moving the product

01 Remote control

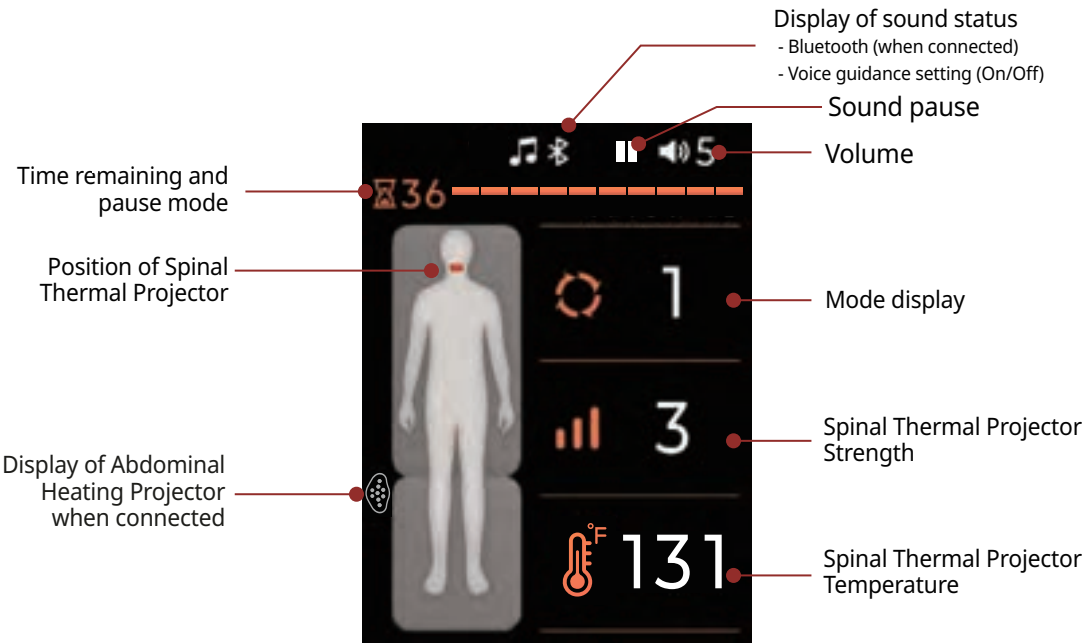
Button composition



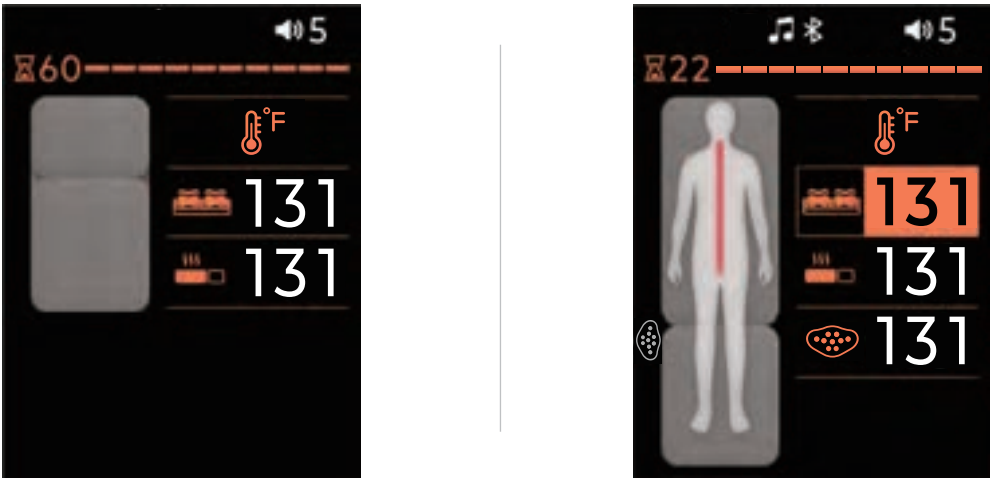
01 Remote control

Screen composition

Main screen composition



Closed status Temperature setting screen




Wait!

The bright screen of the remote control is always maintained without separate setting.

# 02 Using the product

## Turning on the product

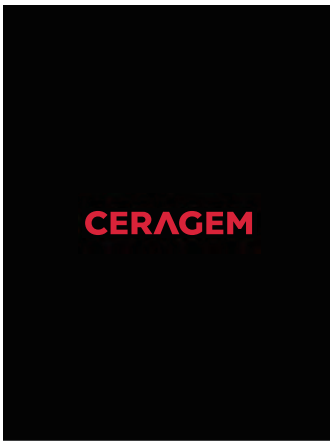
- 01 Check the main body cable of the product and power switch, and then press the Power button on the remote control.
- To turn off the remote control, press the Power button for approximately 2 seconds.

 Wait!

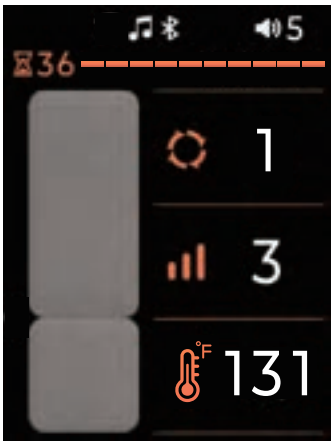
- Before using the product, check if the power cord is connected to the product and the outlet correctly. (If the power does not turn on, refer to Page 39.)



- 02 The Ceragem logo will appear on the screen of the remote control and the remote control will turn on.



- 03 When the main screen is displayed, use the product by pressing the desired button.
- After switching to the main screen, the position of the Spinal Thermal Projector will be automatically initialized.
  - The settings last used are displayed. (The set value will not be stored if the product is turned off abnormally.)



# 02 Using the product

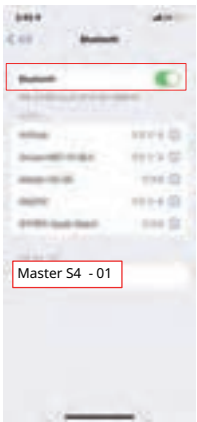
## Using Bluetooth (speaker) and Ceragem Sound

- 01 Search for a Bluetooth device on the smart device to which you wish to connect.
- Find and select 'Master S4-XX' from the Bluetooth device search list.

 Wait!

When using the Bluetooth speaker;

- Check if the product is turned on.
- Turn on Bluetooth on the smart device and connect Master S4.
- Turn the music on through the smart device and check if the sound plays effectively.



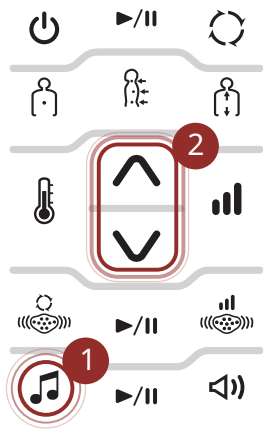

- 02 Check the Bluetooth connection icon from the main screen, select and play the sound source on the smart device.
- Refer to Page 23 for setting the volume.



- 03 Select the desired item by pressing the Sound Select button repeatedly, and then set the desired sound source using the Play button or the Up/Down Control button.
- Bluetooth and voice guidance can be set using the Sound Select button.
  - If an external sound source is connected, the corresponding icon will be displayed automatically.
  - When the sound is paused, or 0 is set as the volume while voice guidance is being set, voice guidance will be deactivated.

When an external sound source is connected

Ceragem Sound → Bluetooth → Enable voice guidance (Disable)



## 02 Using the product

### Setting the product No.

If there are two or more products in one space, the product number can be changed as required for using the product.  
(When Bluetooth is connected, Search using the set product number is available.)

01 In the closed status, press the Start/Pause button (for approximately 3 seconds).



Wait!

- Connect it before connecting the main body mat and the folding type mat.
- If the main body mat and folding mat are already connected, connect it after separating them to detach the connection sensor.

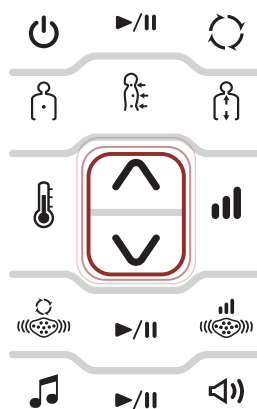


02 The current product number appears on the upper left side of the screen.



03 Change the desired product number by using the Up/Down Control button.

- The product number appears only when it is set.
- The product number can be set between No. 1~99.



## 02 Using the product

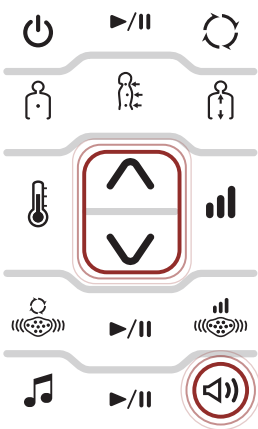
### Setting the sound volume

01 Check the current sound volume status.



02 Set the desired volume by pressing the Volume button repeatedly or pressing the Up/Down Control button.

- When setting the sound status, the figures for the relevant item will be displayed in orange, and the desired sound and volume can be set at this time.
- Volumes 0-20 can be set.
- Voice guidance volume can be adjusted using the Volume button only when the setting is selected.



03 Check the changed sound volume status on the screen of the remote control.



Wait!

- Noise may be heard as a result of electromagnetic waves.

## 02 Using the product

### Setting the temperature

01 Check the current temperature on the main screen.



02 Select the temperature you wish to change to using the Temperature Select button.

- When a temperature is selected, the image of the relevant item will be displayed.
- It can be set only for connecting the Abdominal Heating Projector.
- Temperature selection order (The order changes according to the number of times the Temperature Selection button is pressed)

Spinal Thermal Projector	Main body mat	Abdominal Heating Projector
Off, 86~149°F	Off, 86~140°F	



03 Set the desired temperature by using the Up/Down Control button.

- A temperature from 86°F to 149°F can be set for the Spinal Thermal Projector and a temperature from 86°F to 140°F can be set for the main mat and the Abdominal Heating Projector.
- Shortly after the setting is complete, the screen will return to the main screen.



Caution

- Low-temperature burns may occur, so do not allow the Abdominal Heating Projector to come into direct contact with your skin, and do not use it on areas with poor sensitivity or poor blood circulation (around the eyes, neck, armpits, back of the knees, etc.) for a long period of time



## 02 Using the product

### Setting the strength

01 Check the current strength and press the Strength button.

- The current strength of the Spinal Thermal Projector will be displayed on the main screen.



02 Set the desired strength by pressing the Strength button repeatedly or pressing the Up/Down Control button.

- While the relevant item is being displayed in orange, you can set the desired strength by using the Strength button or the Up/Down Control button.
- Strengths from 1-9 can be set.



03 Check the changed strength setting on the screen of the remote control.





## 02 Using the product

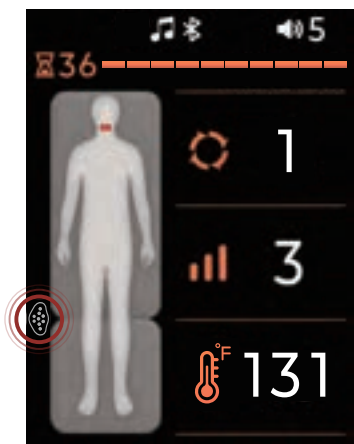
### Setting the Abdominal Heating Projector Mode

01 Connect the Abdominal Heating Projector to the main mat.

- Insert the connector correctly and turn the fixing unit to secure it.
- Plug in the main mat and check if the Abdominal Heating Projector icon is displayed on the screen of the remote controller.
- The Abdominal Heating Projector is displayed on the remote controller only when it is connected.



Do not operate the Abdominal Heating Projector on the floor.  
(The surface of the product may be damaged.)



02 Set the mode by pressing the Abdominal Heating Projector Mode button and then press the Start/Pause button.

- While the corresponding item is displayed in orange, you can select the desired mode using the Abdominal Heating Projector Mode button or the Up/Down control button.
- Modes 1-3 can be used.



Sequential presses  
(Modes 1-3 are selected sequentially)

Modes 1-3

Approximately 18 minutes



03 After setting the mode, operation will start in the selected mode.

- When the setting is completed, the display will switch to the main screen after a while.



- When the Main mode is paused, the Abdominal Heating Projector mode will be paused as well. When the Abdominal Heating Projector Mode is pressed again, the Abdominal Heating Projector mode will start once more.
- When the Abdominal Heating Projector mode is paused, the pause image will be displayed.



## 02 Using the product

### Setting the Strength of the Abdominal Heating Projector

01 Check the screen of the remote controller.

- The current status will be displayed.



02 Set the strength by pressing the Abdominal Heating Projector Strength button and then press the Start/Pause button.

- While the corresponding item is displayed in orange, you can select the desired mode using the Heat Projector Strength button or the Up/Down control button.
- Strengths can be set to levels 1 or 2.



Sequential presses  
(Strengths 1-2 are selected sequentially)



03 After the setting is completed, the mode will start at the selected strength.

- When the setting is completed, the display will switch to the main screen after a while.



- Do not let the Abdominal Heating Projector come into contact with your skin, as there is a possibility of a low-temperature burn. Do not use the product on an area with low sensitivity or body part with poor blood circulation (around the eyes, neck, armpits, back of the knees, etc.) for extended periods.





## 02 Using the product

### Using Automatic mode

01 Turn on the remote control, check the current status and press the Automatic Mode button.

⌚ Duration for mode

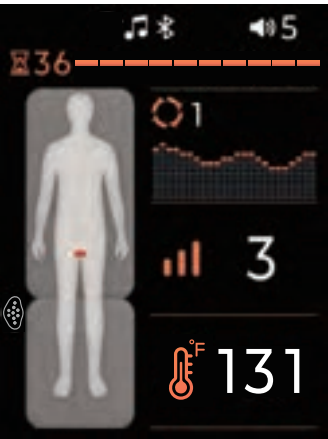
Standard mode	Mode 1 (Standard)	Approximately 36 minutes and 30 seconds.
	Mode 2 (Relax)	Approximately 18 minutes
	Mode 3 (Special)	Approximately 75 minutes
Intensive mode for each part	Mode 4 (Upper Back)	Approximately 36 minutes and 30 seconds.
	Mode 5 (Lower Back)	Approximately 36 minutes and 30 seconds.
Daily routine mode	Mode 6 (Morning / Stretch)	Approximately 36 minutes and 30 seconds.
	Mode 7 (Evening)	Approximately 36 minutes and 30 seconds.



02 When you select the mode by pressing the Automatic Mode button, body type sensing will begin, so lie down in the correct posture.

- While the relevant item is being displayed in orange, you can set the desired mode by using the Automatic Mode button or the Up/Down Control button.
- The mode cannot be paused during body type sensing.
- The body type graph varies from person to person.

⌚ Sequential press (Modes 1-7 are selected sequentially.)



03 The mode begins automatically after body type sensing is completed, so maintain correct posture.

- The time remaining will be displayed at the top of the human body icon.



Wait!

- When you leave the product after pausing, the Spinal Thermal Projector will move down vertically in order to prevent injury, and when the mode is restarted, the set strength will be restored.
- If the product is not used for 5 minutes after pausing, the product will turn off automatically.

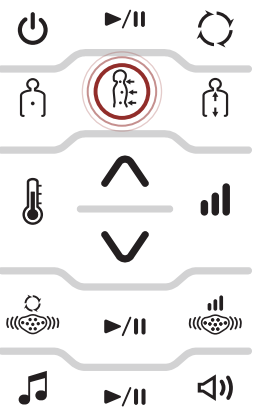


## 02 Using the product

### Using Whole Spine mode

Duration for mode Approximately 90 minutes

01 Turn on the remote control, check the current status and press the Whole Spine Mode button.



02 The Whole Spine mode begins after body type sensing is completed, so maintain correct posture.

- The time remaining will be displayed at the top of the human body icon.



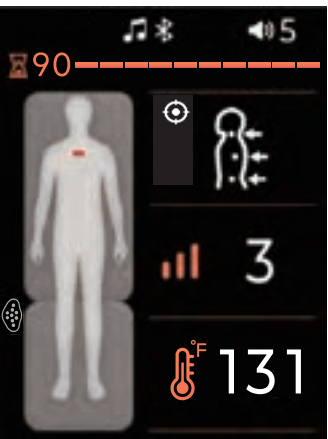
03 If you wish to set and use it on a specific location, move and use the Spinal Thermal Projector to the desired location by using the Up/Down Control button.

- When you press the Whole Spine Mode button once more to cancel the position setting, the entire Spinal Thermal Projector will move.
- When 90 minutes have passed after setting the remote control, the remote control will turn off automatically and the mode will end.



Wait!

- When you leave the product after pausing, the Spinal Thermal Projector will move down vertically in order to prevent injury, and when the mode is restarted, the set strength will be restored.
- If the product is not used for 5 minutes after pausing, the product will turn off automatically.

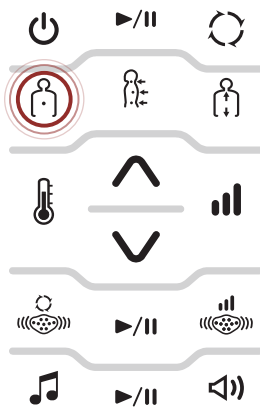


02 Using the product

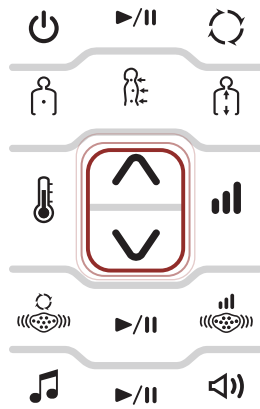
Using Intensive Heating mode

Duration for mode    Approximately 60 minutes

01 Turn on the remote control, check the current status and press the Intensive Heating mode button.



02 Move the Spinal Thermal Projector to the desired position by using the Up/Down Control button.

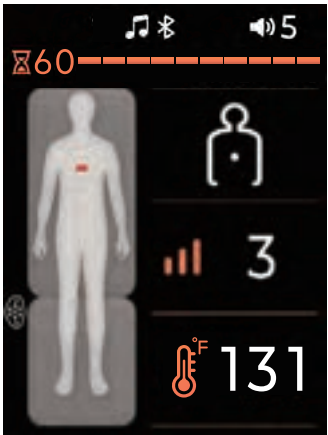


03 The Intensive Heating mode begins at the position you specified, so maintain correct posture.

- The time remaining will be displayed at the top of the human body icon.
- If the remote control is operated while using the product, the time remaining will be initialized.
- When 5 minutes have passed after setting the remote control, the Spinal Thermal Projector will move automatically in order to prevent burns.
- When 60 minutes have passed after setting the remote control, the remote control will turn off automatically and the mode will end.

Wait!

- When you leave the product after pausing, the Spinal Thermal Projector will move down vertically in order to prevent injury, and when the mode is restarted, the set strength will be restored.
- If the product is not used for 5 minutes after pausing, the product will turn off automatically.



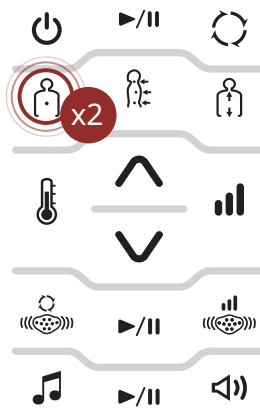
02 Using the product

Using Intensive Heating (Master) mode

Duration for mode    Approximately 60 minutes

01 Turn on the remote control, check the current status and press the Intensive Heating mode button twice.

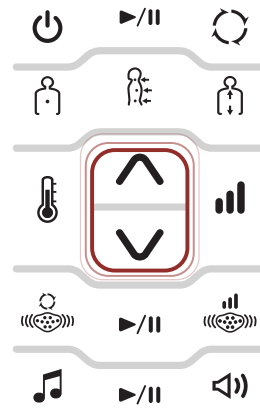
- While using the Intensive Heating mode, you can use the Intensive Heating (Master) mode by pressing the Intensive Heating mode button once more.



02 Move the Spinal Thermal Projector to the desired position by using the Up/Down Control button.

- The selected position will be displayed in green.

Position	Screen display (24 segments)
Neck region (cervical spine)	C1-7
Back region (thoracic vertebrae)	T1-12
Lumbar region (lumbar vertebrae)	L1-5

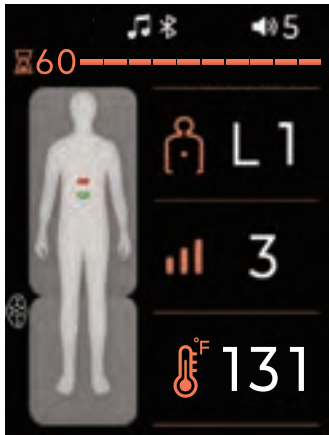


03 The Intensive Heating (Master) mode begins after body type sensing is completed, so maintain correct posture.

- The time remaining will be displayed at the top of the human body icon.
- If the remote control is operated while using the product, the time remaining will be initialized.
- When 5 minutes have passed after setting the remote control, the Spinal Thermal Projector will move automatically in order to prevent burns.
- When 60 minutes have passed after setting the remote control, the remote control will turn off automatically and the mode will end.

Wait!

- When you leave the product after pausing, the Spinal Thermal Projector will move down vertically in order to prevent injury, and when the mode is restarted, the set strength will be restored.
- If the product is not used for 5 minutes after pausing, the product will turn off automatically.



02 Using the product

Duration for mode      Approximately 60 minutes

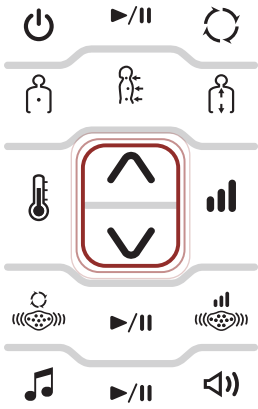
Using Intensive Massage mode

After the Intensive Massage mode ends, the Spinal Thermal Projector does not move to the cervical spine.

01 Turn on the remote control, check the current status and press the Intensive Massage Mode button.



02 Move the Spinal Thermal Projector to the desired position by using the Up/Down Control button.



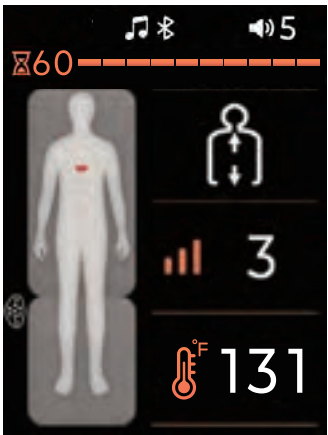
03 The Intensive Massage mode begins at the position you specified, so maintain correct posture.

- The time remaining will be displayed at the top of the human body icon.
- If the remote control is operated while using the product, the time remaining will be initialized.
- When 60 minutes have passed after setting the remote control, the remote control will turn off automatically and the mode will end.



Wait

- When you leave the product after pausing, the Spinal Thermal Projector will move down vertically in order to prevent injury, and when the mode is restarted, the set strength will be restored.
- If the product is not used for 5 minutes after pausing, the product will turn off automatically.
- **DISCLAIMER:** The Spinal Thermal Projector adapts to different body types for user comfort. It does not diagnose, assess, or correct spinal alignment.



02 Using the product

Duration for mode      Approximately 60 minutes

Using Intensive Massage (Master) mode

After the Intensive Massage (Master) mode ends, the Spinal Thermal Projector does not move to the cervical spine.

01 Turn on the remote control, check the current status and press the Intensive Massage Mode button twice.

- While using the Intensive Massage mode, you can use the Intensive Massage (Master) mode by pressing the Intensive Massage Mode button once more.



02 Move the Spinal Thermal Projector to the desired position by using the Up/Down Control button.

- The selected position will be displayed in green.

Position	Screen display (24 segments)
Neck region (cervical spine)	C1-7
Back region (thoracic vertebrae)	T1-12
Lumbar region (lumbar vertebrae)	L1-5



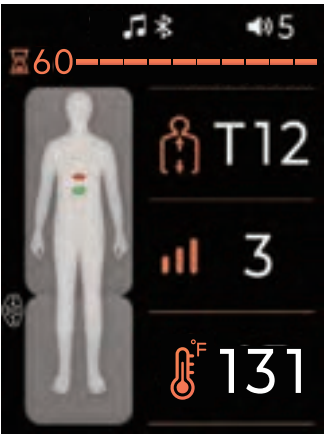
03 The Intensive Massage (Master) mode begins after body type sensing is completed, so maintain correct posture.

- The time remaining will be displayed at the top of the human body icon.
- If the remote control is operated while using the product, the time remaining will be initialized.
- When 60 minutes have passed after setting the remote control, the remote control will turn off automatically and the mode will end.



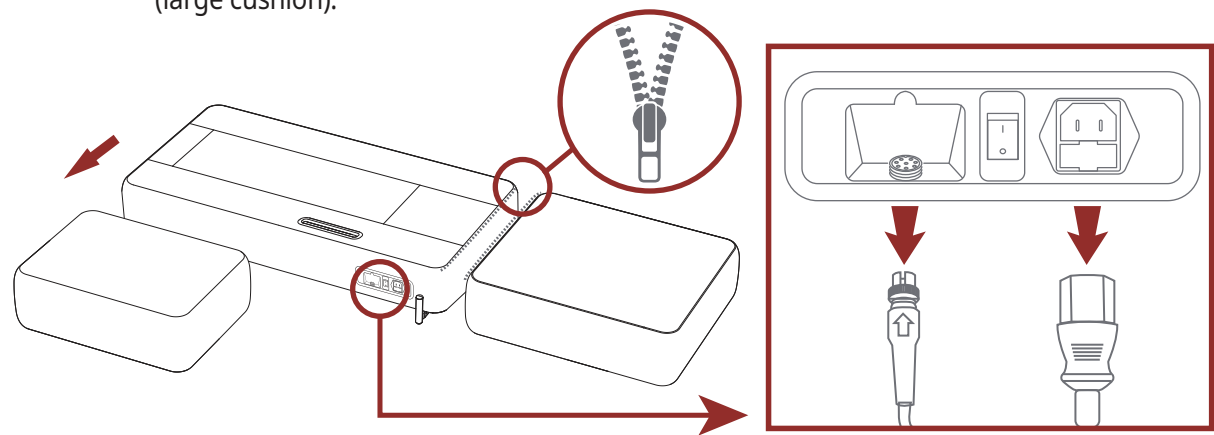
Wait!

- When you leave the product after pausing, the Spinal Thermal Projector will move down vertically in order to prevent injury, and when the mode is restarted, the set strength will be restored.
- If the product is not used for 5 minutes after pausing, the product will turn off automatically.



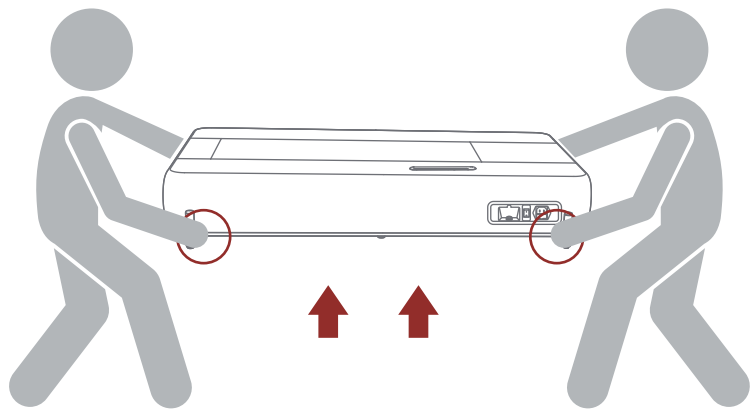
# 03 Moving the product

01 Turn off the remote control and the product, separate the cable and the power cord of the Abdominal Heating Projector from the main body mat, and unzip and separate the separation type mat (small cushion) and the folding type mat (large cushion).



- Separate the folding type mat (large cushion) after 10 seconds have elapsed following turning off the remote control.
- The product is heavy, so it is recommended to only move the product after separating the separation type mat and the folding type mat.

02 Two persons should hold the frame at the bottom of the main body on both sides, lift and move it horizontally.



- Lift the product slowly with your back straight and your knees bent.
- Avoid moving the product as much as possible from its initial position of installation by the installation manager.
- Move carefully so as not to damage the main part connection on the right side of the product.
- Be careful not to hold and lift the main part connection on the right side of the product.

## IV. Reference

01. Checkpoints before and after using the product
02. Maintenance & Storage
03. Self-diagnosis Guide
04. Before requesting A/S service
05. Product Specifications
06. Product Warranty

## 01 Checkpoints before and after using the product

### Inspection points before use


- Is the power plug connected to the power outlet?
- Is the main body mat's power button "ON"?
- Does the screen turn on when you turn on the remote control?
- Is the temperature of the Projector the correct service temperature?
- Is there anything strange about the appearance of the Abdominal Heating Projector?
- Are there any abnormalities on the protector cover?

### Inspection points after use

- Does the screen turn off when you turn off the remote control?
- Is the main body mat's power button "OFF"?
- Is the power plug disconnected from the power outlet?

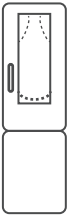

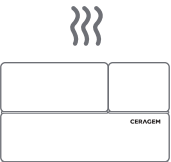


Customer Support Center  
CERAGEM INTERNATIONAL INC.  
9732 Alburdis Ave.  
Santa Fe Springs, CA 90670  
213-480-7070

## 02 Maintenance & Storage



Classification	Description
Laundry	· Fabric with water-repellent function is applied, so washing may cause shrinkage, discoloration, or product failure.
Storage	· Store the product at room temperature, away from direct sunlight or humidity. (Discoloration and deterioration of the product may occur.)  · Depending on the frequency of use and environment, lint and dust mites may occur. Maintain the product regularly.
Staining/ Contamination	· The water-repellent function of the cover does not mean the cover is completely waterproof. If there is a liquid spill or contamination, wipe it off immediately using a dry cloth. If spillage is left for a long time, it may be absorbed, resulting in discoloration or damage.
Product deformation	· Be careful not to twist the remote control cable.  · Caution should be taken as any parts that come in contact with the skin or which are heavily loaded are prone to stretching or discoloration due to the characteristics of the material. Be careful not to use the product excessively.  · Exposing the product to direct sunlight continuously may result in discoloration. Install the product in a position away from direct sunlight.
 Wait!	· If the electronic device part of the product gets wet, never use it, and ask the customer center for an inspection and service.



### 03 Self-diagnosis Guide

Classification	Phenomenon	Description
Product form		
	The hip part of the main body mat droops significantly downwards.	The mat cover and fabric of Ceragem Master are made of a material that stretches according to the human body's curves and weight, so that the massager is disrupted as little as possible. Therefore, it is natural for the part that supports the heaviest part of the human body, such as the hip part, to droop when the product is used continuously at home.
Product sound		
	<p>When the Spinal Thermal Projector operates, a noise occurs.</p> <p>It makes a worse noise than what I have heard from the product before.</p>	The Spinal Thermal Projector produces a basic noise because it moves vertically and horizontally using a motor. When you experienced the product at the store, you probably could not hear it because of ambient noise, but when using it at home, you may feel that the motor sounds loud.
Smell		
	The product smells like chemicals.	It is a new product, so it may smell temporarily. This smell is absolutely harmless to the humans, and it will gradually disappear if you ventilate the area frequently when using the product.
Remote control		
	The cable does not go in after using the remote control.	Check if the remote control cable is twisted or pinched in the middle. If the cable is pulled excessively, the size of the curl portion of the cable increases so that it does not go in for a while, but it returns to normal after a reasonable period of time.
 Wait!	· If you use the product without properly understanding how to use it, the product may not operate properly even if there is no malfunction.	

### 04 Before requesting A/S service

Symptom	Action
The remote control cannot be turned on.	01. Connect the power cord again. 02. Turn on the power switch. 03. Press the Power button on the remote control.
Some buttons on the remote control cannot be accessed.	01. Open the folding type mat (large cushion) fully. (If the folding type mat is not opened fully, some buttons on the remote control cannot be accessed.)
The Spinal Thermal Projector does not move with the Up/Down Control button.	01. The Spinal Thermal Projector can be moved using the Up/Down Control buttons only in the Intensive Heating, Intensive Massage and Whole Spine modes.
A diagnosis code is displayed on the remote control screen.	01. If the following messages appear on the screen of the remote control while operating the product, be sure to write down the 4-digit number and contact the Customer Service Center. <div><div> Danger</div><div>· Notify Ceragem and the competent organization (agency) in case of injury, Danger accident (fire, personal injury, etc.) while using the product.</div></div> <div><div> Caution</div><div>· When a diagnosis code message is displayed, check the message and contact the Customer Service Center.</div></div>
The Abdominal Heating Projector does not operate.	01. Check if the Abdominal Heating Projector is connected to the main body mat. 02. If the projector is connected, the icon will appear on the remote control.

## 05 Product specifications

Model	CGM MS-2302
Article	Automatic Thermal Massager
Rated Voltage	100-127V~, 50/60 Hz
Power Consumption	320 VA
Environment temperature	50°F~104°F
Recommended height for body sensing	47.2 in – 73.2 in
Measurements	Fully opened: 29.4 in x 84 in x 8.74 in (±0.4 in) Folded: 29.4 in x 52 in x 17.5 in (±0.4 in)
Maximum Permissible Weight	298 lbs
Product Weight	90.4 lbs±6.6 lbs
Manufacturer	CERAGEM Co., Ltd.

- This product is a medical device for relaxation, and is not intended to diagnose, treat, cure or prevent any disease.
- Please be advised that since this product was manufactured for domestic use, no after-service will be available when used abroad.
- Due to constant quality improvement, design and specifications of the product are subject to change without notice.
- Expected service life: 9 years.
- Connection to wireless communication may be limited due to the distance between devices (speed), obstacles or other wireless devices.

Wait !

Warranty details can be found on [www.ceragemus.com](http://www.ceragemus.com).

## 06 Product warranty

### Warranty

\* For warranty purposes, Ceragem requires the following information:

Article	Automatic Thermal Massager	Model	CGM MS-2302
Date of Purchase		Serial No.	
Place of Purchase (Store)			

### Free Services

If the product is used for business purposes, the warranty period is reduced by half.  
Free service is provided for any normal-usage performance or functional failure occurring within 1 year of purchase. Product failure due to intentional negligence by the consumer (i.e. product failure due to repair of the product by an unauthorized technician; repair and/or alteration of the product by the consumer; and product damage or failure due to misuse of the product), will void the warranty.

### Paid Services

- In the absence of product failure:
- Incorrect installation of the product due to moving or relocation of the product;
  - Occurrences that are not due to product defects or flaws
    - Slight noise, vibration, smell, appearance, feeling during use, etc.
- Product failure due to negligence by the consumer:
- Product failure due to installation or incorrect use of the product by the consumer;
  - Product damage or failure due to misuse of the product;
  - Product failure due to use of an incorrect electric power supply;
  - Product failure or damage due to external shock or dropping of the product;
  - Product failure due to the use of consumables or products not specified by Ceragem;
  - Product failure due to product repair performed by a person other than a Ceragem service agency technician;
  - Product failure due to non-observation of the 'Matters that require attention' in the instruction manual.
- Other instances:
- Product failure due to unforeseen disaster (flood, fire, earthquake, lightning, war etc.);
  - Simple replacement of a consumable part that occurs naturally due to product use
    - Outer cloth, cables (Abdominal Heating Projector cable, remote control cable, connection cable between a sub-part and the main body, power cord), Fabric, etc.
    - Main body mat, Folding type mat, Separation type mat, etc.
- \*Any service requested in cases where the product has not failed will be charged for. Please read the instruction manual carefully.
- \*Keep this warranty, together with the instruction manual, in a safe place,since it is provided only in the country where the product is purchased and cannot be issued again.

**CERAGEM**  
CERAGEM Co., Ltd.



1. User Population

Item	Condition
Age	Adults only
Weight	Less than 298 lbs
Gender, Health, Nationality	No special requirements

2. Part of the body or type of tissue interacted with

- 1) Using part : Whole body
- 2) Condition : No special requirements
- 3) Medical Purpose : refer to the section Intended Use

3. User Profile

- 1) Education : At least native language can read
- 2) Knowledge
  - Read and understand “Westernized Arabic Numbers”
  - Be able to discern your own body
- 3) Language understanding : English
- 4) Experience : Not require any special experience.
- 5) To allow a disability:
  - Mild reading eyesight impairment or corrected eyesight on log MAR 0.2(6/10 or 20/32)
  - Average degree of age-related short-term memory damage
  - 40% damage due to normal hearing ranging from 500Hz to 2kHz.

4. Use Environment

- 1. Environment
  - 1) General
    - Household(not professional equipment)
    - Indoor use
    - Can not be used in places where there is a lot of water, such as kitchens, showers, bathroom
    - User can be operated only when lying down
    - Used in places where electricity is supplied
    - Visibility condition
    - Viewing Angle : Used at the normal angle of the remote control display
  - 2) Physical
    - Operating environment

	Temperature	Humidity	Pressure
Operation	50°F~104°F	30% to 75%	700hPa to 1060hPa
Storage	-4°F~140°F	10% to 95%	500hPa to 1060hPa
Transportation			

- 3) Electrical environment : no special requirements(electric shock protection is class II equipment.)
- 2. User Interface
  - 1) UI Button(on the remote control), 2) 2.8” LCD display
  - 3) User Manual, 4) Product Label
- 3. Other conditions : no special requirements

5. Operating Principle

The Automatic Thermal Massager is designed to promote relaxation and provide a comforting warming sensation. It may temporarily support relaxation of muscles and minor muscle stiffness through soothing massage and warmth.

V. Appendix

- 01. Explanation of mark, delivery, and storage
- 02. Attached documents

# 01 Explanation of mark, delivery, and storage

## Classification

Form of electric shock protection	CLASS II EQUIPMENT
Degree of electric shock protection	TYPE BF APPLIED PART (Abdominal Heating Projector, Main body mat)
Degree of protection from harmful invasion of water	Ordinary
Depending on the mode of operation	Continuous operation.



Disposal of Old Electrical & Electronic Equipment  
Applicable in the European Union and other European countries with separate collection systems.

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.



MEDICAL-APPLIED CURRENT/ENERGY EQUIPMENT  
E515993  
AS TO ELECTRICAL SHOCK, FIRE AND MECHANICAL HAZARDS ONLY IN ACCORDANCE WITH  
ANSI/AAMI ES60601-1(2005)+AMD2(2021)  
CAN/CSA-C22.2 No. 60601-1:14(Amendment 2:2022(MOD))  
IEC 60601-1-11(2020)

: UL Classification Mark

V~ : AC (alternating current) voltage source

I : On (power: connection to the mains)

O : Off (power: disconnection from the mains)

Transport and storage ambient temperature range

Transport and storage atmospheric pressure range

Transport and storage relative humidity range

TYPE BF APPLIED PART	CLASS II EQUIPMENT
This way up	Keep dry
Use no hooks	Fragile (handle with care)
Manufacturer	Manufacturing date
<b>SN</b> Serial number	Refer to instruction manual/booklet sign
IP21 The product's IP Classification	General prohibition sign
<b>MD</b> Medical Device	<b>REF</b> Catalogue Number
<b>UDI</b> Unique device identifier	<b>#</b> Model number
	Country of manufacture

### 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.

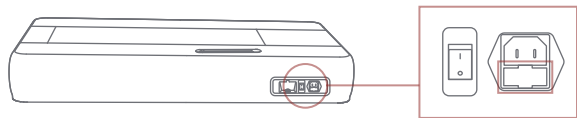
#### Condition for Transport and Storage

- a) An ambient temperature range of -20°C(-4°F) to +60°C(+140°F).
- 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(+50°F) to +40°C(+104°F).
- b) A relative humidity range of 30% to 75%.
- c) An atmospheric pressure range of 700hPa to 1060hPa

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



Capacity of a fuse : AC 250V, T10AL

Time-Lag, 10A,  
Low breaking Capacity(Glass Body Fuse)

- \* Pull the marked area to exchange the fuse (related to service engineer)
- \* The product has to be installed at place built protective device having appropriate breaking capacity so that prospect short-circuit current do not exceed 40 A .

# 02 Attached documents

## Guidance and Manufacturer's declaration- electromagnetic emission

The Model CGM MS-2302(CERAGEM CO., LTD. Automatic Thermal Massager)is intended for use in the electromagnetic environment specified below.The customer or the user of CGM MS-2302 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 MS-2302 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 MS-2302 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	A	
Voltage fluctuation IEC 61000-3-3	Complies	

02 Attached documents

Manufacturer’s declaration - electromagnetic immunity

The CGM MS-2302 is intended for use in the electromagnetic environment specified below.  
The customer or the user of CGM MS-2302 should assure that it is used is such an environment.


Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
Electrostatic discharge (ESD) IEC 61000-4-2	8kV Contact 15kV Air	8kV Contact 15kV 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 or 60Hz) Magnetic field IEC 61000-4-8	30 A/m	30 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 lines IEC 61000-4-11	0% U <sub>T</sub> (100% dip in U <sub>T</sub> ) for 0.5 cycle  0% U <sub>T</sub> (100% dip in U <sub>T</sub> ) for 5 cycle  70% U <sub>T</sub> (30% dip in U <sub>T</sub> )for 25 cycle  0% U <sub>T</sub> (100% dip in U <sub>T</sub> ) for 5 s	0% U <sub>T</sub> (100% dip in U <sub>T</sub> ) for 0.5 cycle  0% U <sub>T</sub> (100% dip in U <sub>T</sub> ) for 5 cycle  70% U <sub>T</sub> (30% dip in U <sub>T</sub> )for 25 cycle  0% U <sub>T</sub> (100% dip in U <sub>T</sub> ) for 5 s	The main power’s quality should be that of a typical commercial or hospital environment. If the user of the CGM MS-2302 requires continued operation during power mains interruptions, it is recommended that the CGM MS-2302 be powered from an uninterruptible power supply or a battery.

Note : U<sub>T</sub> is the a.c. mains voltage prior to application of the test level.

02 Attached documents

Manufacturer’s declaration - electromagnetic immunity

The CGM MS-2302 is intended for use in the electromagnetic environment specified below.  
The customer or the user of CGM MS-2302 should assure that it is used is 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 MS-2302, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance $d=[\frac{3,5}{\sqrt{f}}]\sqrt{P}$
Radiated RF IEC 61000-4-3	3 V/m 80.0 MHz to 2.7 GHz	3 V/m 80.0 MHz to 2.7 GHz	Recommended separation distance $d=[\frac{3,5}{\sqrt{f}}]\sqrt{P}$ 80MHz bis 800 MHz $d=[\frac{7}{\sqrt{f}}]\sqrt{P}$ 800MHz bis 2.5 GHz  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 deter-mined 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<sub>T</sub> is the A.C. mains voltage prior to application of the 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 [V 1] V/m.

## 02 Attached documents

### Manufacturer’s declaration - electromagnetic immunity

Recommended separation distances between portable and mobile RF communications equipment and the CGM MS-2302.

The CGM MS-2302 is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The user of the CGM MS-2302 can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment(transmitters) and the CGM MS-2302 as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power (W) of transmitter	distance (m) according to frequency of transmitter		
	150 kHz to 80 MHz	80 MHz to 800 MHz	800 MHz to 2.7 GHz
0.01	0.12	0.04	0.07
0.1	0.37	0.11	0.22
1	1.17	0.35	0.70
10	3.70	1.11	2.21
100	11.70	3.50	7.00

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	10 V/m, 80 MHz to 2.5 GHz	3 V/m, 80 MHz to 2.7 GHz	3 V/m, 80 MHz to 2.7 GHz

## 02 Attached documents

### Manufacturer’s declaration - electromagnetic immunity

The CGM MS-2302 is intended for use in the electromagnetic environment specified below. The customer or the user of CGM MS-2302 should assure that it is used is 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	CGM MS-2302 must be used only in a shielded location with a minimum RF shielding effectiveness and, for each cable that enters the shielded location with a minimum RF shielding effectiveness and, for each cable that enters the shielded location.
Radiated RF IEC 61000-4-3	3 V/m 80.0 MHz to 2.7 GHz	3 V/m 80.0 MHz to 2.7 GHz	Field strengths outside the shielded location from fixed RF transmitters, as determined by an electromagnetic site survey, should be less than 10V/m.  Interference may occur in the vicinity of equipment marked with the following symbol:  

Note 1) These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.  
Note 2) It is essential that the actual shielding effectiveness and filter attenuation of the shielded location be verified to assure that they meet the minimum specification.

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 [V 1] V/m.