

Personal Electrical Stimulation Device HK-1004

# USER MANUAL

This product is intended for medical use. Be sure to read through it carefully and get familiar with all the use precautions and instructions.



HK Co., Ltd.



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## Greeting

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Since its establishment in 1993, HK has contributed to the home-use medical devices in Korea in such areas as OEM service, export, and technological support, based on its large production capacity and cutting-edge technology. The company will not stop at nothing to become the leader in the medical market and afford worldwide customers great satisfaction with its quality products born of its long accumulated experience and know-how in production and technology and its continued investment in research and development.

Though advancement in medicine enables us to extend our life, it still leaves much to be desired when it comes to seeking for root causes of disease and coming up with proper treatments. The company's Research and Development Team has focused on Nature and explored natural healing power. Its years-long research and experiments have led to the development of advanced medical devices which have combined Western technology with Oriental ideas with a view to improving so-called physical constitution and treating illness. Now, the company boasts of a variety of medical devices that make best use of nano-technology which will maximize negative ions and strengthen the penetration of far infrared light.

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**BeautyLife**  
Beauty & Health Care

**HK-1004**  
Beauty & Healthcare System



# BeautyLife

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## Construction of Product



Main body



Stand (optional)



Waist belt (CH2)



Ultrasonic probe



3d-tens



Foot pad (ch1)



Palm stimulator  
(optional/ ch1)



Suction cup  
(optional/ ch1)



Gel pad  
(optional/ ch1)



Flat pad  
(optional/ ch1)



Water drop pad  
(optional/ ch1)



Medium frequency  
(optional/ ch1)

## Structure, Names, and Functions



S/No	Name	Description
1	Power Switch	To turn ON/OFF power
2	Power Connector	To connect power cord
3	3D TENS Output and Time Display	To display the intensity and operation time of medium frequency output (The display starts at 30 minutes and ends at 00 minute.)
4	Foot Pad (CH1) Output and Time Display	To display the intensity and operation time of medium frequency output (The display starts at 30 minutes and ends at 00 minute.)
5	Waist Belt (CH2) Output and Time Display	To display the intensity and operation time of medium frequency output (The display starts at 30 minutes and ends at 00 minute.)
6	Ultrasonic Wave Output and Time Display	To display the intensity and operation time of ultrasonic wave output (The display starts at 30 minutes and ends at 00 minute.)
7	3D TENS Mode No 1	To display Mode 1
8	3D TENS Mode No 2	To display Mode 2
9	3D TENS Mode No 3	To display Mode 3
10	3D TENS Output Volume Knob	To control the power ON/OFF and intensity of medium frequency output
11	Foot Pad (CH1) Output Volume Knob	To control the power ON/OFF and intensity of medium frequency output
12	Waist Belt (CH2) Output Volume Knob	To control the power ON/OFF and intensity of medium frequency output
13	Ultrasonic Wave Output Volume Knob	To control the power ON/OFF and intensity of ultrasonic wave output
14	3D TENS (-/grey) Output Connector	This is where medium frequency output pad is connected
15	3D TENS (+/red) Output Connector	This is where medium frequency output pad is connected
16	3D TENS (-/grey) Output Connector	This is where medium frequency output pad is connected
17	Foot Pad (CH1) Output Connector	This is where medium frequency output pad is connected
18	Waist Belt (CH2) Output Connector	This is where medium frequency output pad is connected
19	Ultrasonic Wave Output Connector	This is where ultrasonic wave output probe is connected
20	Main Body	The main body has components and circuits inside
21	Foot Pad (CH1) Output Connector	To connect food pads when our supporting stand is used

## How to use Ultrasonic Wave Unit

- Order of operating ultrasonic wave unit

1. Connect the power cord between the main body and a power outlet.
2. Link the ultrasonic probe to the ultrasonic output connector on the main body.
3. Turn on the power switch. Time "00" appears on the display.
4. Push the ultrasonic output volume knob once, and the machine begins to operate with time displaying 15 minutes.
5. Apply an adequate quantity of gel on the ultrasonic probe and determine an output suitable for the patient.
  - ① Turning the output volume knob to right increases intensity, while turning left decreases it.
  - ② Another push on the control knob during operation enables you to turn off power.
  - ③ The ultrasonic wave unit has an output range of 1~10 steps, which is recommended to be set at a level below
  - ④ The default time duration is set at 15 minutes, the lapse of which brings the system to an automatic stop.

- How to use ultrasonic wave probe (massager)

The probe is best applied perpendicular to the skin for good contact and at a moving speed of 4–5 cm per second, when the micro vibration generated by the ultrasonic system penetrates deep into the skin.

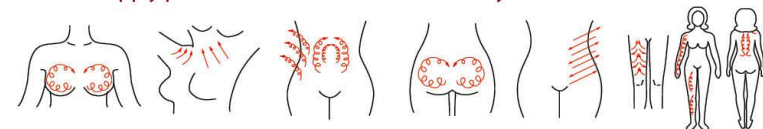
- ① Replenish gel adequately during massaging to have a better effect.
- ② The gel applied gets rid of gaps (air spaces) between probe and skin, promoting the transmission of ultrasonic waves and also facilitating the probe's movement.
- ③ Replenish gel or turn down the output when you feel hot during use.
- ④ Reduce output when you feel pain during application. Be sure to clean the probe with a soft cloth before storing it.

## Operation of Ultrasonic Wave Unit and Use Precaution

- Precautions to be taken during use

1. Avoid applying the probe on the same area for longer than 15 minutes. Re-apply it after the lapse of at least 5 hours.
2. Operate the machine in 10 minutes when you want to use it again after the duration of 15 minutes has passed. (For prevention of overheat)
3. Be sure to push to turn off the machine in the event it is left unused. It is very important to understand that the ultrasonic unit being left idle during operation will lead to the overheating of the probe, which may result in danger of burns and give rise to failures in the main body (where any failure will be subject to paid repair.)
4. Be sure to contact the store for service when you feel hot even at a low output.
5. Continue to move the probe slowly rather than hold it on one area for a long time during massaging.
6. The vibrator of the probe is a consumable and its life depends on service conditions.

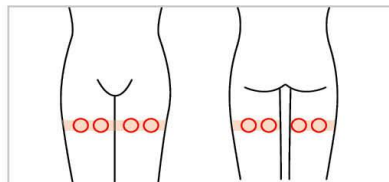
- How to apply probe on different areas of the body



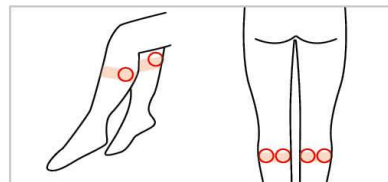
## Order of Medium Frequency Unit and How to Use

### ● Order of using medium frequency unit and use method

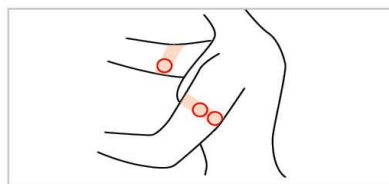
1. Connect the power cord between the main body and an electric outlet.
2. Plug in a planned medium frequency pad to the output connector of the main body.
3. Turn of the power switch; now, time displays "00."
4. For waist belt: clean the area to be treated and wear the belt and connect the cable for waist pad to the proper output connector for the waist belt.  
For gel pads: clean the area to be treated, tear the protective plastic sheet off a pad and attach it to the skin, and connect the cable to the main body.
5. A push on the medium frequency output control dial displays 30 minutes and sets the machine into operation with beginning sounds.
6. Select a moderate output of medium frequency waves. (The machine has a range of 1~10 steps.)
  - ① Turning right increases intensity, while turning left decreases it
  - ② Another push on the control knob during operation enables you to turn off power.
7. The default time duration is set at 15 minutes, the lapse of which brings the system to an automatic stop.
8. Be sure to wear the belt or pads before the machine is set into operation; and take them off when the machine comes to a stop.
  - ① Avoid applying it on the same area for more than 30 minutes.
  - ② Gel pads and other medium frequency pads are consumable, which can be applicable about twice up to 30 times during normal use; however, the number of applications may increase or decrease depending on use conditions.
  - ③ Gel pads should be stored with their protective plastic sheets attached and in airtight zipper bags that are designed to keep air from coming inside.
  - ④ Clean the waist belt with a soft wet towel after use before keeping it.
  - ⑤ For effective use of the waist belt, it is recommended that the whole conduction part should be spread with water.



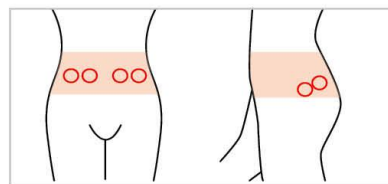
For thighs



For calves



For arms



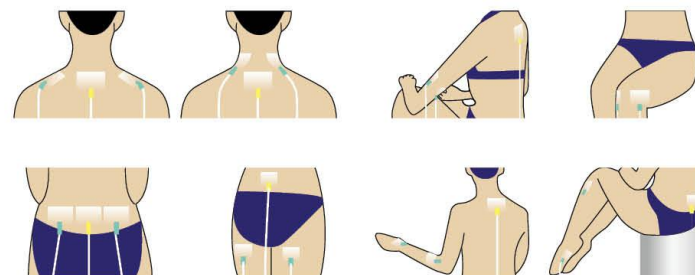
For waist

## How to use 3D TENS

### ● Order of using 3D TENS

1. Connect the power cord between the main body and an electric outlet.
2. Connect the 3D-TENS to the output connector of the main body
  - ① Link the cable to the center (+/- red) of the connector
  - ② Link the cables to the left and right (-/ grey) terminals of the connector.
3. Turn on the power switch. Time "00" appears on the display.
4. Clean the areas to be treated with a wet towel before attaching pads on them.  
Attention : Be sure to distinguish the plus polar cable from the minus polar one.
5. A push on the output control dial displays 30 minutes and brings the machine into operation with operating sounds.
6. Adjust output to a moderate level, for strong ones are not always effective.
  - ① Turning the output volume knob to right increases intensity, while turning left decreases it.
  - ② Another push on the control knob during operation enables you to turn off power.
7. The default time duration is set at 15 minutes, the lapse of which brings the system to an automatic stop.
8. Be sure to wear pads before the machine is set into operation; and take them off when the machine comes to a stop.
  - ① Avoid applying it on the same area for more than 30 minutes.
  - ② Pads are consumable; therefore, they may vary in their life depending on service conditions.
  - ③ Reduce intensity if you feel stinging sensation during use.

### ● How to apply 3D-TENS on each body part





## Specifications and Description

1. Commodity classification : Personal Electrical Stimulation Device (Class 2)
2. Product name: Beauty Life
3. Model name: HK-1004
4. Product manufacture license: No. 13-1685
5. Use: Ease of myalgia and pain
6. Electric rating: AC 220V 60Hz 45VA
7. Performance

### ① Ultrasonic wave unit

- Rated power and frequency: AC 220V, 50 or 60Hz
- Power consumption: 45VA
- Type and degree of protection against electric shock: Class I, BF-type instrument
- Ultrasonic output frequency: 1.2MHz
- Ultrasonic output intensity (effective power per probe): 12W
- Ultrasonic output wave: Continuous wave
- Maximum service time of ultrasonic unit: 15 minutes
- Ultrasonic wave generation system: 37.5W
- Effective intensity: 3W/cm<sup>2</sup>
- Radiating area: 5.3cm<sup>2</sup>
- Sound energy: 100mw/cm<sup>2</sup>

### ② Medium frequency unit

#### i) Medium frequency 3D-TENS

- Output frequency: variable frequency 2~250Hz
- Output current: M1: 13mA, M2: 5mA, M3: 21mA
- Timer : 30 minutes

#### ii) Medium frequency unit (CH1, CH2)

- Output frequency: 1000Hz, 2500Hz
- Output current: 22mA
- Timer: 30 minutes

### 8. Safety device

#### ① Medium frequency output unit

- i. The output comes to a stop when the set time (30 min  $\pm$  10%) lapses and the buzzer sets off.
- ii. The short-circuit currents measured at shorted ends do not exceed the following values:  
3D TENS: M1: 13mA, M2: 5mA, M3: 21mA, CH1: 22mA, CH2: 22mA
- iii. Zero start: Time returns to zero when the unit is set into operation again after a power failure.

#### ② Ultrasonic frequency output unit

- i. The output comes to a stop when the set time (15 min  $\pm$  10%) lapses and the buzzer sets off.
- ii. Zero start: Time returns to zero when the unit is set into operation again after a power failure.

### 9. Type and degree of protection against electric shock: Class I, BF-type instrument

### 10. Weight and package unit: 5.37Kg/ Set

### 11. Operating principle

The machine operates with the rated voltage of 220V 50Hz or 60Hz from the local mains power. When the ultrasonic wave control switch is pressed, the oscillation circuit, radiating surface, and CPU comes into operation.

Ultrasonic waves are generated according to the oscillation methods of the oscillation circuit and vibrator. When the medium frequency control switch is pressed, the corresponding oscillation circuit and CPU come into operation, when medium frequency waves are emitted accordingly.





## Precautions when in Use

### 1. Precautions to be taken when in use

- ① As the ultrasonic probe may cause burns, it should be kept moving slowly rather than left stayed on one area for long.
- ② Apply the machine in 5 hours when you want to use it on the same area.
- ③ When the machine develops any abnormality, stop using it and contact us for consultation.
- ④ Refer to the User Manual for detailed instructions as the machine should be used differently in terms of output intensity, the number of applications, and applied areas, application methods, depending on individuals.
- ⑤ A small amount of gel is unable to achieve effective transmission of ultrasonic waves, resulting in poor effects; therefore, it is recommended that an adequate quantity of gel be applied enough to create a thick gel film between the probe and the skin.
- ⑥ Be sure to turn the machine off for about 10 minutes for prevention against the overheating of inner components when it is to be set into operation again.
- ⑦ Only qualified medical professionals are allowed to operate this stimulation device.
- ⑧ Read carefully through the enclosed User Manual and get familiar with its contents.
- ⑨ The ultrasonic probe is sensitive to shocks; take care not to let it fall or give it much impact.

### 2. Patients should seek their doctor's instructions if any of the following conditions is met:

- ① Those who carry electronic devices such as pacemaker inside their body
- ② Those who are dependent on life-sustaining electronic devices such as heart-lung machine
- ③ Those who use mount-type electronic devices such as ECG
- ④ Those who suffer from skin disease
  - i. Whose skin gets reddened and stinging from excessive sun tanning
  - ii. Who suffer from festering acne inflammation
  - iii. Who are allergic and have a very sensitive skin
  - iv. Who have skin trouble due to cosmetic products
  - v. Who have developed chloasma accompanying itching or dark spots due to physical stimulation
  - vi. Who suffer trauma, hemorrhagic areas, fractured areas, malign tumors, eyelids, head, oral and genital areas, or have infectious disease
- ⑤ Who are pregnant, or are young children

### [Precautions]

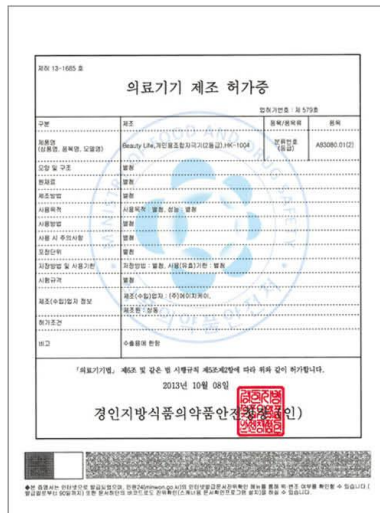
1. Do not attempt to use the machine for any purposes other than are originally intended, which otherwise may result in danger of an accident.
2. Do not use the machine to those who suffer from paralysis or have a problem with the expression of their intention or feelings
3. Avoid using this machine with other electric appliances, which may lead to a failure or an accident.
4. Do not use the machine in a hot and/or humid place such as bathroom or kitchen or in a dusty place.
5. When it is left unused for a long period of time, be sure to check for safety before it is put into operation again.
6. Keep a distance from other electric appliances when this machine is used.
7. Do not plug multiple appliances in a multi-receptacle extension at the same time.
8. Do not hit the machine with an iron stick or other hard matters.
9. Do not put heavy objects or water or drinks on the main body.
10. Be sure to use only the parts and components specified exclusively for this machine; do not use ones designed for other products.

### [Storage and handling methods after use]

1. Be sure to disconnect the power cord after the machine is used.
2. Avoid placing the machine in a wet and moist place or near heaters or volatile materials.
3. Keep the machine out of the reach of children and in a cool and dry place.
4. Store the machine in a place that is free of magnetism and electromagnetic waves.
5. Pay much attention not to lose any of the accessories.



## Medical Product Manufacture License



## List of Certifications



## Quality Warranty

◆ Beauty Life's Quality Warranty ◆

[The above-mentioned product comes with the quality warranty as follows:]

Warranty period	Valid for one year from the date of purchase
Date of purchase	YY, MM, DD
Customer	Address:
	Name:
	Phone No.:
Store	Store name:
	Manager in charge:
	Address:
	Phone No.:

1. This product has undergone our strict quality inspection procedures before it is delivered.
2. Any defects in materials and workmanship found during normal use by the user during the warranty period of one year will be provided service at no charge.
3. Please contact the store or our Customer Service Center for consultation if you have any problem with the machine.
4. Service will be rendered at cost if any of the following conditions is met:
  - ① When the failure has been caused by wrong usage or carelessness by the user.
  - ② When the failure has been caused by unauthorized repair or alteration
  - ③ When the failure was caused by a fall or resulting damage.
  - ④ When the user lost this Warranty and did not present it
  - ⑤ When no record was entered in the 'date of purchase' section or the store's seal has been missed.
  - ⑥ When the serial number of the product has been damaged.



**HK-1004**

Beauty & Healthcare System



Head office and factory: 200-20, Yongsu-gil, Choweol-eup, Gwangju-si,  
Gyeonggi-do, Korea

Tel : 82-31-798-1755 Fax : 82-31-798-1588

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