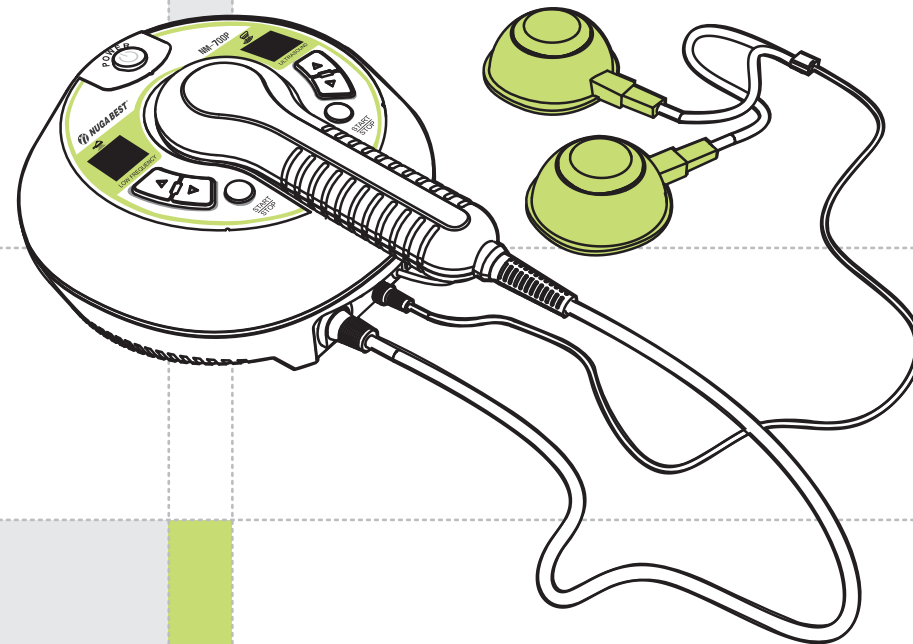


NUGA

www.nuga.kr

CE



NM-700P



User Manual

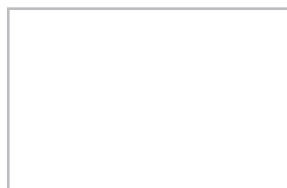
Thank you for purchasing this product.
 Before use...
 Please read the cautions for safety in the
 user manual to use this product safely.

Quality Warranty Enclosed

 **NUGAMEDICAL CO.,LTD.**

San 2-1, Gagok-ri, Jijeong-myeon, Wonju-si,
 Gangwon-do, Korea
 TEL : +82-33-730-0001 / FAX : +82-33-730-0007

<http://www.nuga.kr>



ENGLISH / CE H/H / A TYPE / Rev. 00
2016.08.23

 **NUGAMEDICAL CO.,LTD.**

Product Introduction

Product Components	8
Names and Functions of Product Components	9
Names and Functions of Product Components	10
- Main assembly	

How to Use the Product

How to use ultrasound wave	14
How to use low frequency patch	16
How to Take Emergency Actions during Use	19

Product Storage and Care

How to Store and Clean the Product after Use	22
Self-check Items	23
Before any A/S Request	24
Inspection display	25
Product Specifications	26
Product Warranty	27

Cautions for Safety

- These cautions include descriptions for the safety of users and prevention of any damage to properties among others.
- Read through the following details to use the product appropriately.
- Use this device for only the prescribed duration.
- Due to potential risks, do not use this device in combination with another device.
- In the event of a power failure, turn off the power switch immediately.
- Stop using the product immediately and consult with a doctor if any abnormality occurs from the human body.
- Any persons meeting the following criteria shall not use this device.
 - Patients with an acute illness, malignant tumor or fever, and pregnant women
 - Patients with heart disorders (especially those with pacemakers)
 - Patients with a sensory disorder
- There is a risk of skin burn. Do not use while sleeping.
- Do not use on the following body parts:
 - Eyes (protruding area), genital glands, heart, brain, spinal cord, immature Q area, lower abdominal area during pregnancy
- Do not use on damaged skin areas (burns, inflammation, etc.) or areas with bacterial infection.
- Pay careful attention when handling the ultrasound head.
 - (Dropping or severely shaking the device may alter its performance)
- When using the ultrasound probe, apply and massage the ultrasound gel on the area of use.
- This Manual classifies the risk level into following three degrees and the following graphical symbols remind users of cautions for matters and operations of concerns about any risk.

Interpretations on symbols



Danger

If there is high possibility of death due to non-compliance.



Warning

If there is a possibility of an injury or death due to non-compliance.



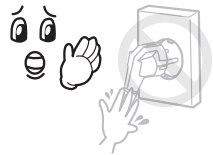
Caution

If there is a possibility of a minor injury or damage to goods due to non-compliance.

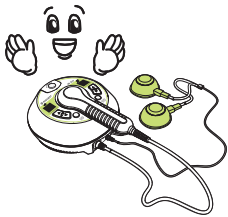
Disclaimer

- The manufacturer, importer and/or agent shall not be responsible for any problem and/or other damage to the product which has been caused from the user's careless care or operation.
- Information in the user manual has been prepared on the basis of the current product specifications.
- Details on the user manual might be different from those on the product.
- The product manufacturer is adding and supplementing new functions at any time and new technologies shall be applied to the product continuously in the future as well.
- All the standards and functions are subject to change without any notice to users to improve performance.

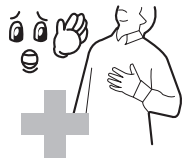
! Danger



Avoid pulling out the power cord parts or touching the power plug with the wet hands.
(Otherwise, it might cause electrical shock or fire.)



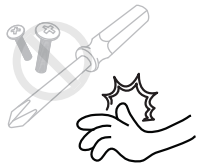
Do not use it for other usages than the described purposes of uses.
Avoid dropping a bag or applying strong shock on the device.
(Otherwise, it might cause damage to the product.)



Anyone using a cardiac pacemaker should consult with a doctor before any use of this product.

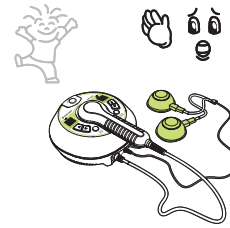


Do not wash with water or put in the washing machine.
(Otherwise, it might cause damage to the product or any danger of electric shocks or fire.)



Anyone other than technicians qualified for our company's A/S should not disassemble, repair or modify the product for any reason.
(Otherwise, it might cause damage to the product or electric shock and/or fire.)

! Warning



Do not allow children use the product alone.



Do not place any heavy object or other electric heater on this product.
(Otherwise, it might cause injuries or damage to the product.)



Avoid bending the power cord excessively or pressing it down with heavy objects.
(Otherwise, it might cause injuries or damage to the product.)



Do not place any inflammable substances such as the candle light, cigarette light and/or wine among others, any vessel containing water, heavy object and other substances.
(Otherwise, it might cause fire.)

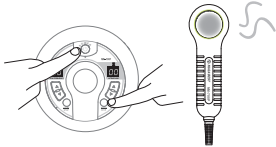
 **Caution**



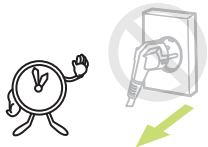
User Manual



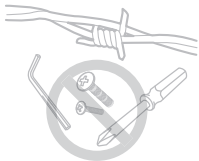
Please abide by defined time and methods.



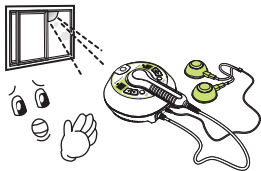
When the product is not in use, turn off the power button.
The product may be damaged and you may get burned if the ultrasound probe is overheated.



Remove the power cord from the socket during no use for a long time.



Keep any pin, wire or other metallic pieces from stabbing or inserting to the product.
(Otherwise, it might cause damage to the product.)

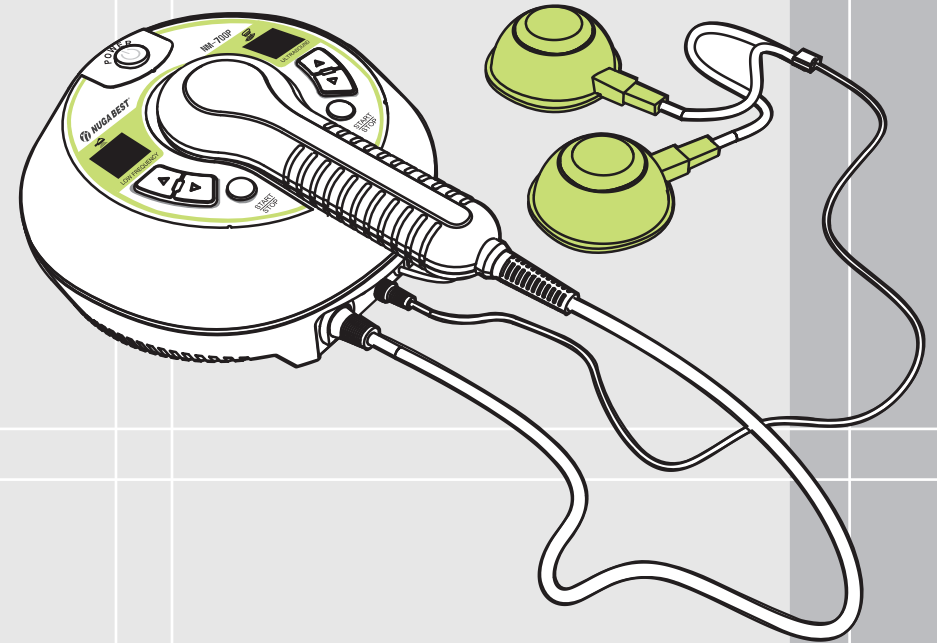


Do not expose the product to the direct sunlight.
(Otherwise, it might cause damage to the product.)



Check out the voltage before any use to ensure the applicable voltage and apply the power plug to the dedicated socket in any way.

NM-700P



Product Introduction

Product Components	8
Names and Functions of Product Components	9
Names and Functions of Product Components	10
- Main assembly	

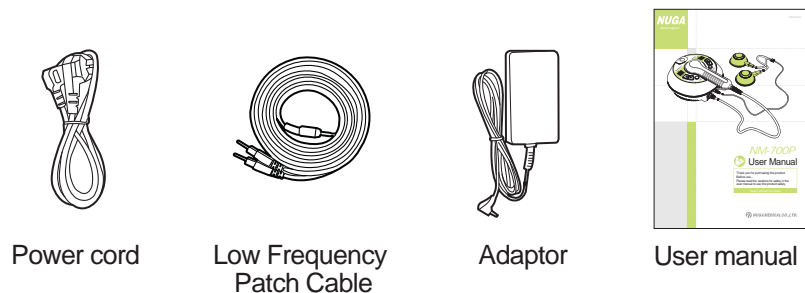
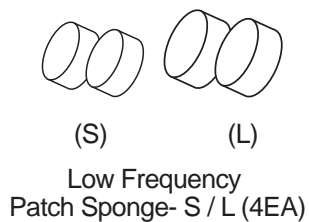
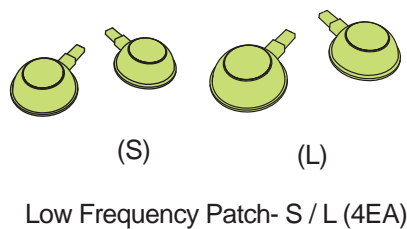
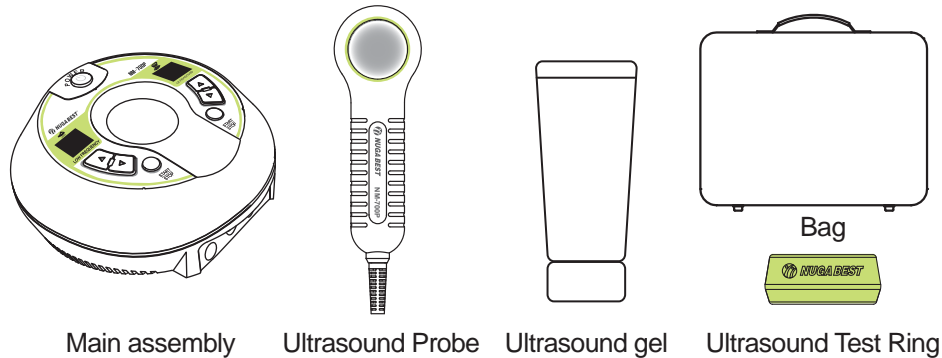
Product Components

i Introduction

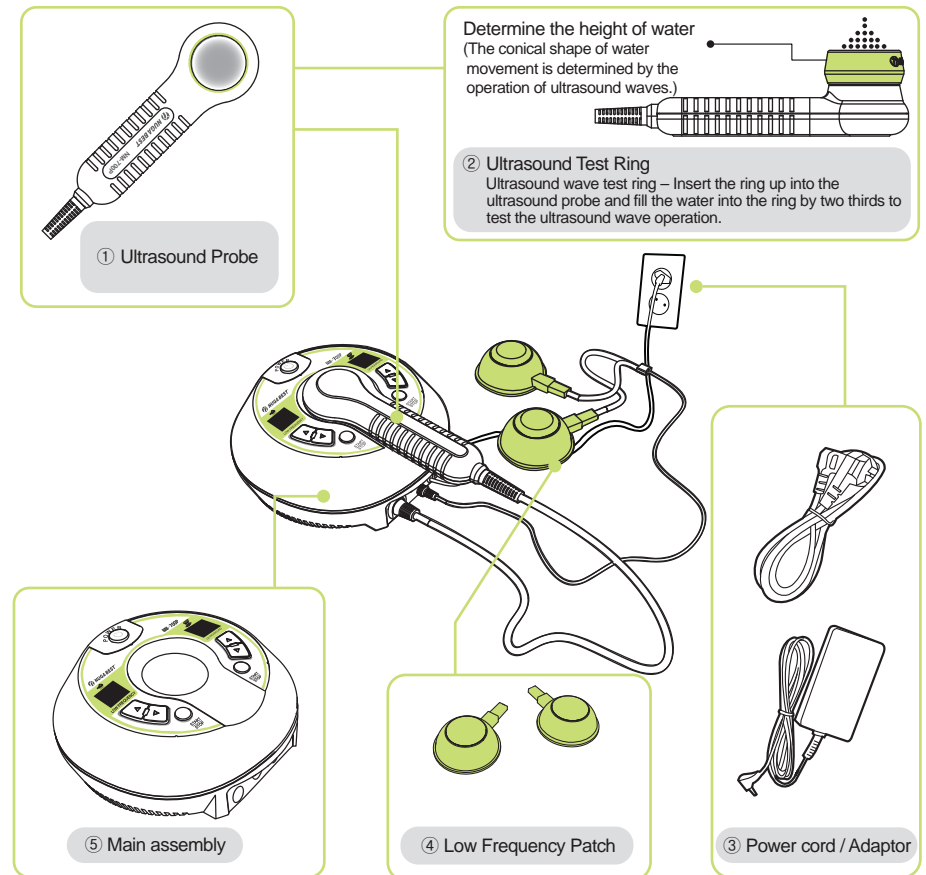
Please check out whether all the components are unpacked in hand before installing the product.

Please inquire from of your supplier if there is any missing or damaged component.

Some specifications and/or designs are subject to change for improving the product performance.

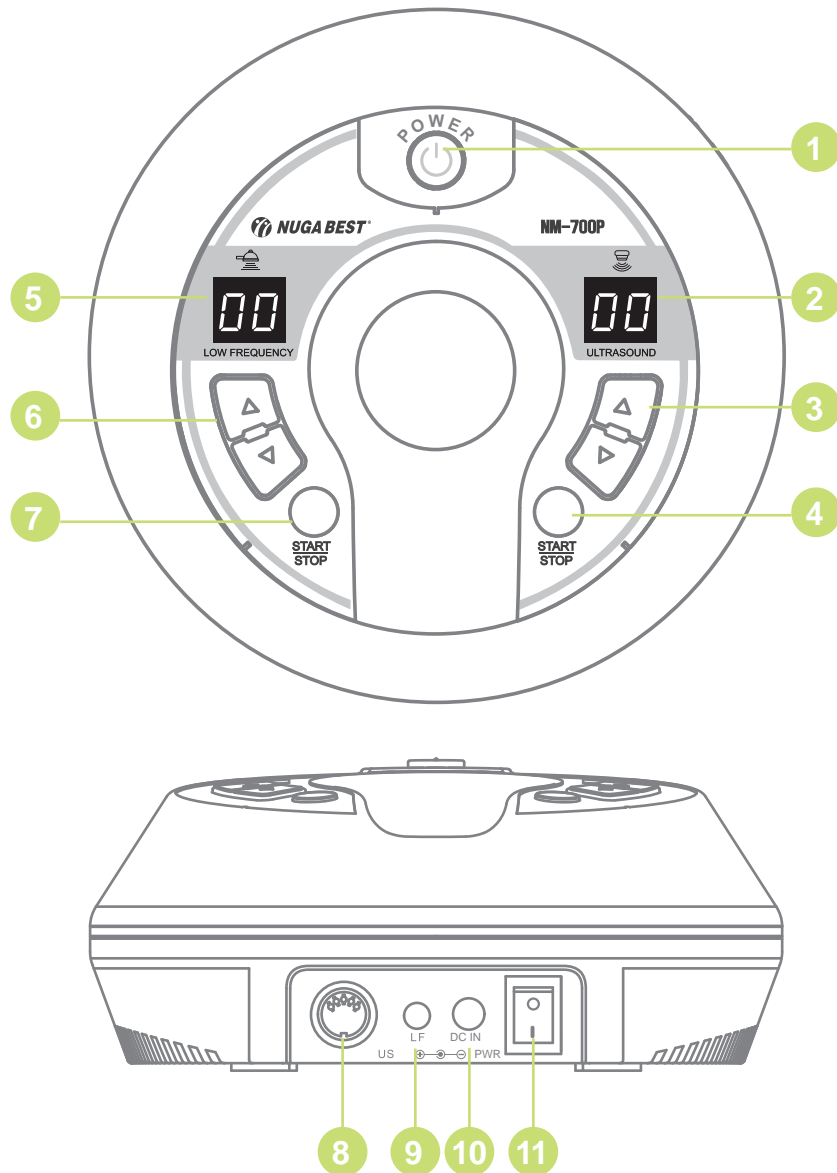




Names and Functions of Product Components



Name	Function
① Ultrasound Probe	It alleviates pain using ultrasound stimulation.
② Ultrasound Test Ring	This is a test ring that can be used to check the normal operation of the ultrasound wave.
③ Power cord / Adaptor	This supplies electric power to the device.
④ Low Frequency Patch	As a cupping-type low frequency patch, it alleviates pain using low frequency stimulation in the narrow areas of the body.
⑤ Main assembly	The power and output of low frequency and ultrasonic waves can be adjusted accordingly.

Names and Functions of Product Components - Main assembly



	Ultrasound	output strength levels: 0-10
	Low frequency patch	output strength levels: 0-50

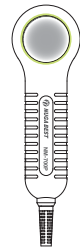
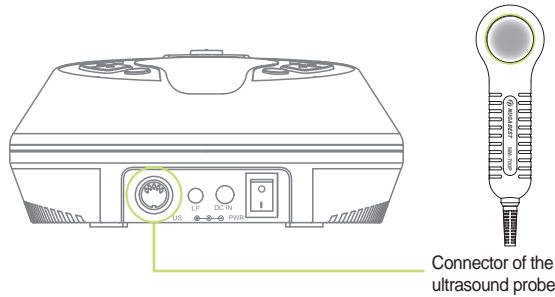
Name	Function
① Power button	This is the switch to turn the main power on.
② Ultrasound Output Display	It displays the intensity of the ultrasound output.
③ Control Button for Ultrasound Output Intensity	Use the '▲' and '▼' buttons to adjust the ultrasound output strength up and down.
④ Ultrasound Start / Stop Button	This is an ultrasound start / stop button.
⑤ Low Frequency Output Display	It displays the intensity of the low frequency output.
⑥ Control Button for Low Frequency Output strength	Use the '▲' and '▼' buttons to adjust the low frequency output strength up and down.
⑦ Low Frequency Start / Stop Button	This is a low frequency start / stop button.
⑧ Ultrasound Probe Output Terminal	This is the ultrasound probe output terminal.
⑨ Low Frequency Patch Output Terminal	This is the low frequency patch output terminal.
⑩ DC Adaptor Connector	This is the DC adaptor connector.
⑪ Main Power Switch	This is the switch to turn the main power on / off.

How to Use the Product

- How to use ultrasound wave

i Introduction

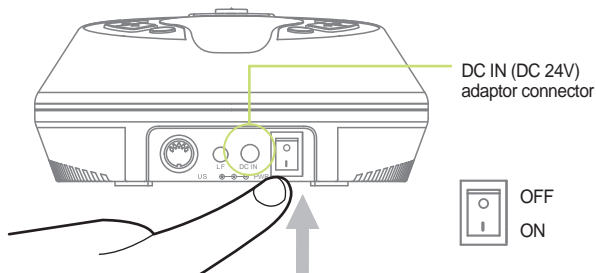
- Do not use it for other usages than the described purposes of uses.
- Check out the applied voltage before any use.



step. 1

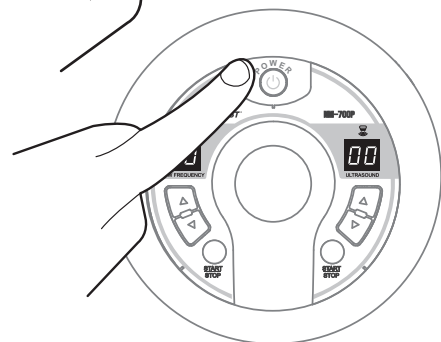
Connect the ultrasound probe cable to the main device.

When using the ultrasound-probe, apply and massage the ultrasound gel on the skin. (Leaving the probe on one area for too long without massaging may cause skin burns.)



step. 2

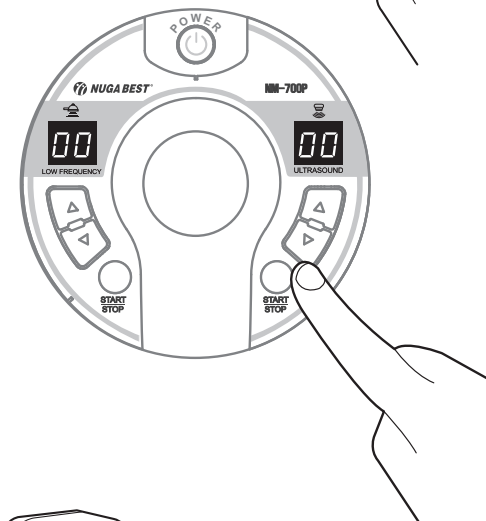
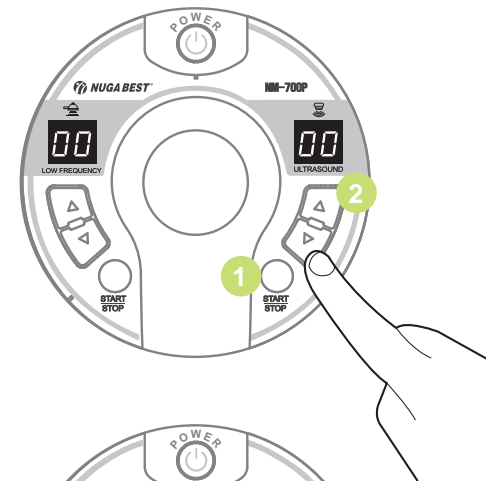
Connect the adaptor and the power cord to the service outlet. Connect them to the main device and turn the power switch to 'ON.'



step. 3

Press the power button to turn on the main device.

(Power button color: red (lit) → green (flashing))



step. 4

1) Press the 'Ultrasound Start / Stop' button to switch to the ultrasound mode. (Power button color: green (flashing) → green (lit))
2) Press the ultrasound output control buttons '▲' or '▼' to set the output before use.

Output strength levels: 0-10

i Note

The output level is established to be 0 when the probe is positioned on the main body of the product. Pick up the probe to adjust the output level when using the product.

step. 5

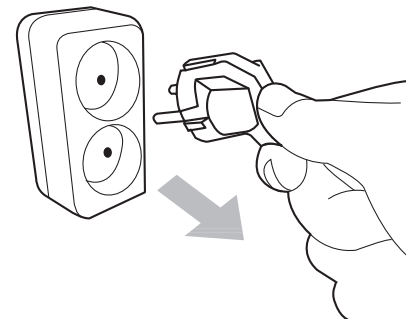
When you are finished, press the 'Ultrasound Start / Stop' button again to turn off the ultrasound mode.

Caution

When the ultrasound-stimulator is not in use, press the 'Ultrasound Start / Stop' button to turn it off. Leaving the device on when not in use may cause malfunction/failure.

i Note

After the set time (30 min.) the power will turn off automatically.



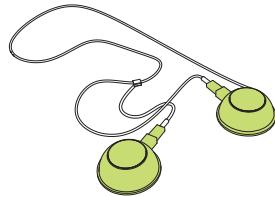
step. 6

Remove the power cord from the connected outlet after use.

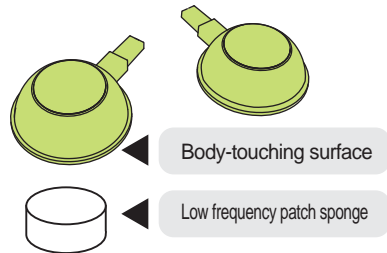
How to Use the Product

- How to use low frequency patch

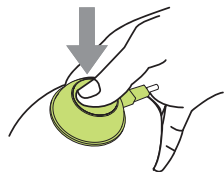
Connection



- ① Take out the low frequency patch and get ready.



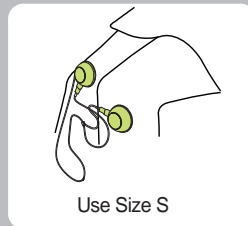
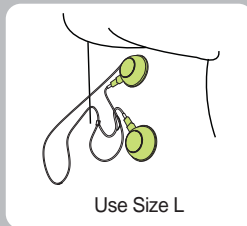
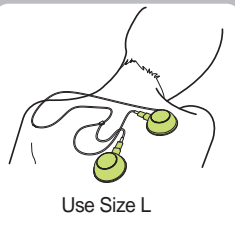
- ② If you do not have a gel, dampen the low frequency patch sponge in water before placing it in the patch. Use the patch directly on the skin. Squeeze the sponge to eliminate extra water to prevent dripping.



- ③ Place the low frequency patch with the sponge on the body and attach it using sound pressure before use.

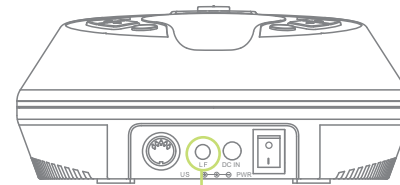
Placement of the Patch

You can place the patch on any area of the body that needs pain relief. (Use Size 'L' on broad areas such as the shoulders, abdomen, etc., and use Size 'S' in narrow areas such as the wrists, knees, etc.)



i Introduction

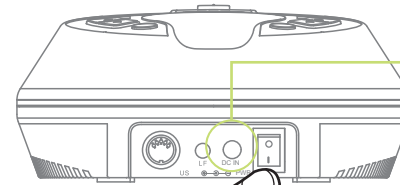
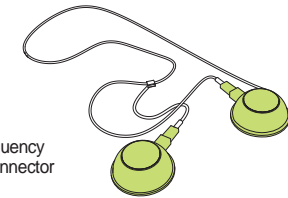
- Do not use it for other usages than the described purposes of uses.
- Check out the applied voltage before any use.



Low frequency patch connector

step. 1

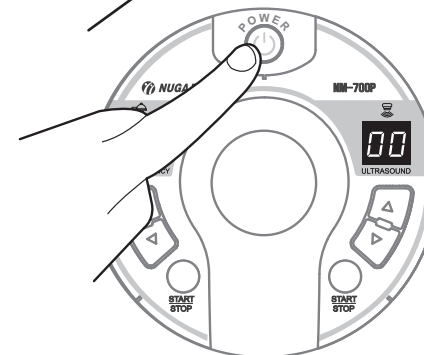
Connect the low frequency patch cable to the main device.



DC IN (DC 24V) adaptor connector

step. 2

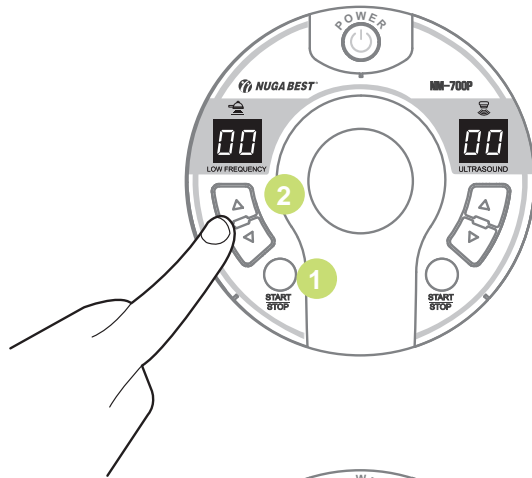
Connect the adaptor and the power cord to the service outlet. Connect them to the main device and turn the power switch to 'ON.'



step. 3

Press the power button to turn on the main device.

(Power button color: red (lit) → green (flashing))



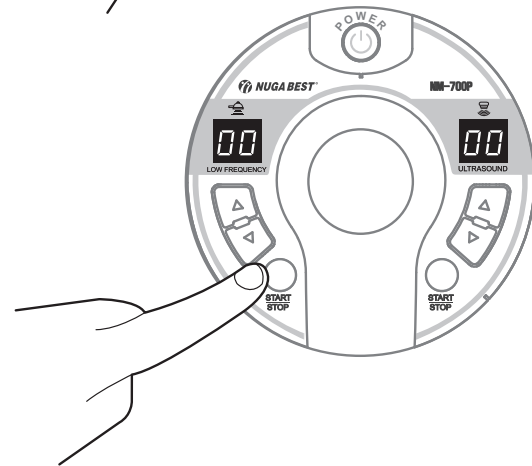
step. 4

1) Press the 'Low Frequency Start / Stop' button to switch to the low frequency mode.

(Power button color: green (flashing) → green (lit))

2) Press the low frequency output control button '▲' or '▼' to set the output before use.

Output strength levels: 0-50

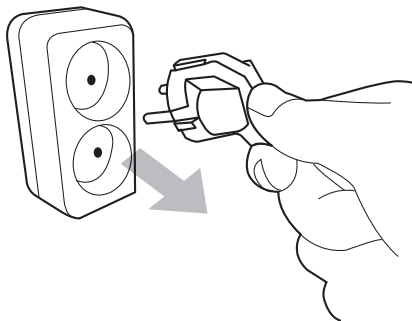


step. 5

When you are finished, press the 'Low Frequency Start / Stop' button again to turn off the Low Frequency mode.

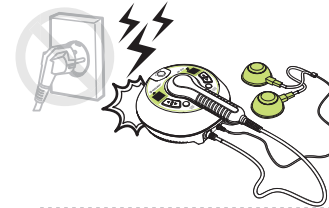
i Note

After the set time (30 min.) the power will turn off automatically.

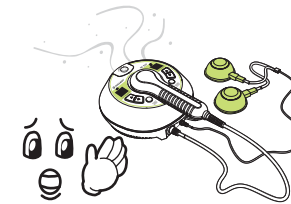


step. 6

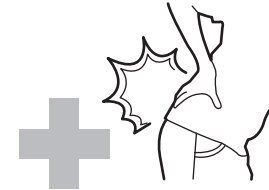
Remove the power cord from the connected outlet after use.



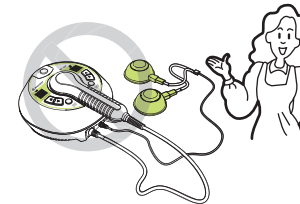
Stop using the product immediately and remove the power plug if there is any lightning.



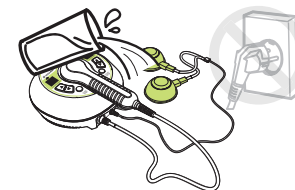
Stop using the product immediately and contact your supplier branch or our company if you smell any burn or detect any smoke from the product.



Stop using the product immediately and consult with a doctor if any abnormality occurs to the human body.



Turn off the power switch immediately, stop using the product and contact our company if you find out any failure or power failure from the product.



Turn off the power switch, remove the power plug immediately, and then contact our company if you have poured water into the product.

i Introduction

1. Separate the power cord while the product is not in use for a long time.
2. Be aware of the following for the storage place.
 - ① Keep the product in a place with no water.
 - ② Keep the product in a place with no concern of any adverse effect such as the air pressure, temperature, humidity, ventilation, sunlight and/or air containing dust, salt, sulfur, etc.
 - ③ Be careful of safety conditions such as the slope, vibration, shock, etc. (including those during transportation).
 - ④ Do not keep the product in a place near any chemical or gas.
 - ⑤ Avoid any direct sunlight during the storage.
3. Store the product after cleaning the components.

Environmental conditions

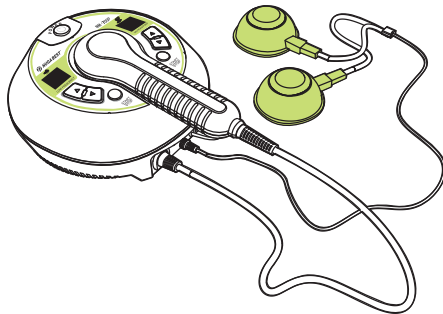
- During operation: temperature (0~35°C), humidity (20~80%)
- Transport and storage conditions: temperature (-10~40°C), humidity (20~80%), atmospheric pressure (700hPa to 1060hPa)

How to clean



Caution

Ensure unplugging of the power plug before cleaning. Otherwise, it might cause electric shocks.



Cleaning the device

Wipe it out with a piece of dry cloth if there is any foreign substance (Do not use water or detergent / soap to clean the device. It may cause electric shock or damage to the product.)



Caution

There might be a danger of injuries or fire if you do not check out the following. Please make sure that you check them out.

Check before use

1. Is the power cord connected to an outlet? Yes No
2. Do the display and the numbers become lit when you turn on the power? Yes No
3. Did you check out conditions for any damage to the power cord or cable conditions? Yes No

Check after use

1. Is the power supply automatically turned off after time setting? Yes No
2. Is the power cord removed from the outlet? Yes No
3. Is the place to keep the product exposed to the humidity dust and/or chemicals? Yes No

Before any A/S Request

Check items for any abnormality in the power supply



Caution

Ensure checking out the following before applying for A/S if any abnormality occurs in the product.
The product might fail to operate normally even without any failure if you use it without reading the manual.

Abnormal Ultrasound Operation Checklist

If '- -' appears on the ultrasound output strength display

Check if the ultrasound probe is properly connected to the device. If the ultrasound probe is not connected, connect it and try again.

Abnormal Low Frequency Operation Checklist



If '- -' appears on the low frequency output strength display

Check if the low frequency patch is properly connected to the device. If the low frequency patch is not connected, connect it and try again.



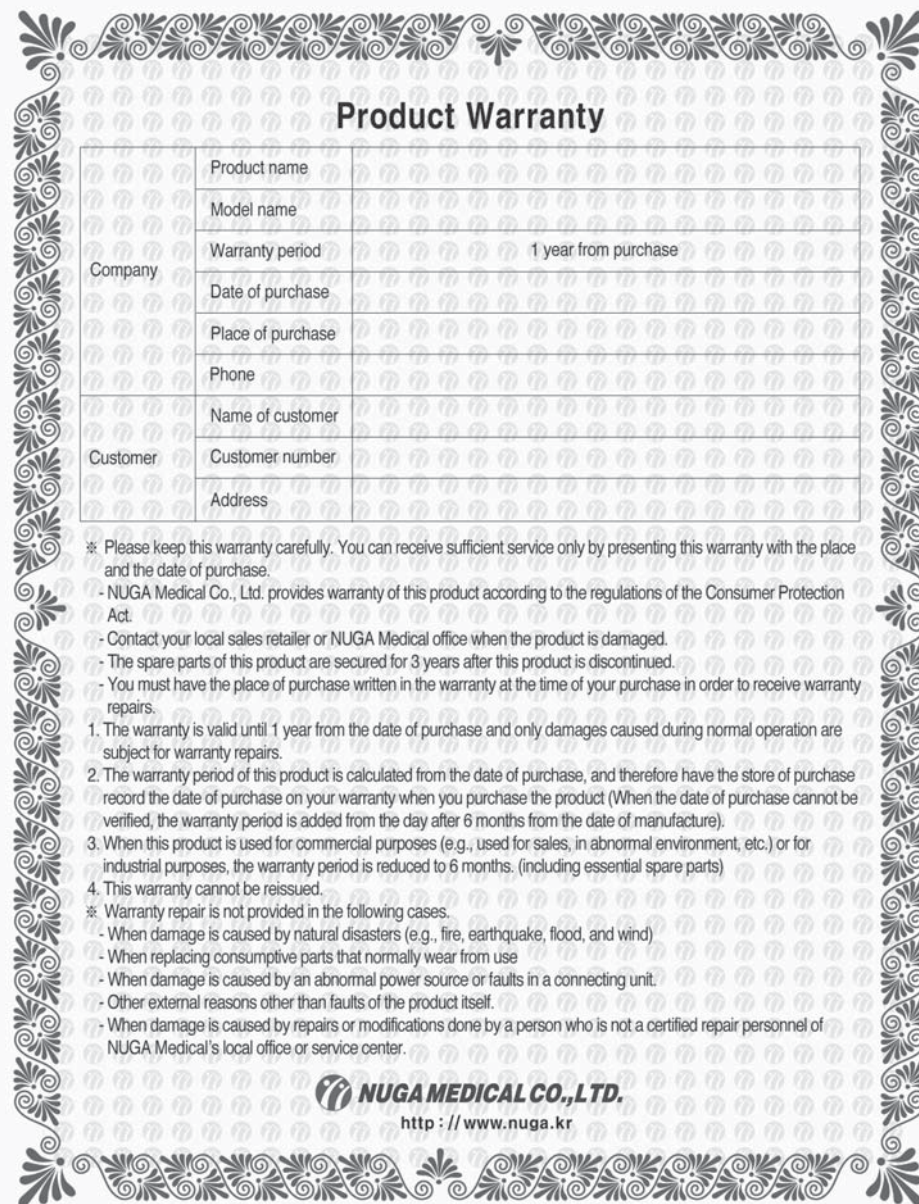
Caution

Do not disassemble the product arbitrarily if any error occurs, but remove the power plug, turn off the power switch, and then contact your supplier.
If you disassemble the product arbitrarily, it might cause serious injuries and/or damage to the product.

Display	Descriptions	Indicated Location
	Display when the ultrasonic probe or the low frequency patch is not connected to the output terminal	Output display
	Internal overheat Error code is shown when the internal temperature is overheated.	Ultrasound Output Display

Product Specifications

Product name and model name	Electric massager NM-700P
Manufacturer	NUGA MEDICAL CO., LTD. San 2-1, Gagok-ri, Jijeong-myeon, Wonju-si, Gangwon-do, Korea
Date of manufacture / number of manufacture	Displayed on the product
Product weight	1.4 kg
Product size	185 X 185 X 82.4 (mm)
Cautions during use	Refer to User Manual
Operating method	Refer to User Manual
Electric rating	DC 24 V $\overline{\text{---}}$ 2.7A (AC 100-240 V~, 50-60Hz)
Power consumption	15 W



Product Warranty

Company	Product name	
	Model name	
	Warranty period	1 year from purchase
	Date of purchase	
Customer	Place of purchase	
	Phone	
	Name of customer	
	Customer number	
	Address	


※ Please keep this warranty carefully. You can receive sufficient service only by presenting this warranty with the place and the date of purchase.

- NUGA Medical Co., Ltd. provides warranty of this product according to the regulations of the Consumer Protection Act.
- Contact your local sales retailer or NUGA Medical office when the product is damaged.
- The spare parts of this product are secured for 3 years after this product is discontinued.
- You must have the place of purchase written in the warranty at the time of your purchase in order to receive warranty repairs.

1. The warranty is valid until 1 year from the date of purchase and only damages caused during normal operation are subject for warranty repairs.
2. The warranty period of this product is calculated from the date of purchase, and therefore have the store of purchase record the date of purchase on your warranty when you purchase the product (When the date of purchase cannot be verified, the warranty period is added from the day after 6 months from the date of manufacture).
3. When this product is used for commercial purposes (e.g., used for sales, in abnormal environment, etc.) or for industrial purposes, the warranty period is reduced to 6 months. (including essential spare parts)
4. This warranty cannot be reissued.

※ Warranty repair is not provided in the following cases.

- When damage is caused by natural disasters (e.g., fire, earthquake, flood, and wind)
- When replacing consumptive parts that normally wear from use
- When damage is caused by an abnormal power source or faults in a connecting unit.
- Other external reasons other than faults of the product itself.
- When damage is caused by repairs or modifications done by a person who is not a certified repair personnel of NUGA Medical's local office or service center.



NUGA MEDICAL CO., LTD.
http://www.nuga.kr