

# Iontoson<sup>2</sup>



**Operator Manual**

Ver. 1.

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# 1. Equipment Safety



**Please read this operators manual carefully before use the system.**

Please read this operators manual carefully before use the system.

Although the manual provides useful information on the use and maintenance of the device, it is not intended to be a complete guide. EunSung suggests that all users who plan to use Iontoson2 seeks further training in its proper use. The custodian of the system shall take steps to prevents its unauthorized use.

CAUTION: Use of controls of adjustments or performance of procedures other than those specified herein may results in hazardous events and/or merchandise defect.

## 1.1 Electrical Hazard

- Iontoson2 uses high voltage. Do not open the protective panels and avoid using other device simultaneously to Iontoson2
- Water and electricity are a dangerous combination! Do not place Iontoson2 in wet surroundings. Keep the device and Handpiece dry.
- Do not use a damaged cable that has been damaged.
- Turn off the AC power switch and disconnect the AC power supply if the device is not intended to be used for a long time.
- If the device had been severely wet and if you suspect strange noises, burning smell, smoke etc., turn off the AC power switch immediately and call to the customer support center.

## 1.2 Fire Hazard

- Iontoson2 should not be used near flammable substances. Fire or explosion can result.
- Do not operate Iontoson2 with the cloth on the device.

## 1.3 Site-Preparation & Maintenance Hazard

- Iontoson2 is intended for in door, dry location only. Avoid liquid spill and splashes.
- Keep the ambient temperature between 40° and 105° F (5° to 40° C).
- Flooring should be flat.
- Do not drop & minimize shock and vibration.

## 1.4 Cleaning-induced Hazard

- Neither main body nor the Handpiece should be submerged in liquid. Please turn off the AC power switch before clean the device.
- Keep the device and Handpiece clean at all times to get the best possible performance.

# 1. Equipment Safety

## 1.5 Regulation

Do not operate Iontoson2 before reading this manual thoroughly. Failure to observe these precautions may void the warranty.

- Unauthorized use of accessories may result in merchandise defect.
- Do not disassemble, repair the device.

## 1.6 Contraindication



**Iontoson2 is contraindicated for use with following list**

Iontoson2 is clinically proven safe device yet contraindicated for use in patients with following conditions.

- Pregnancy
- Diseases (Cardiovascular disease, Liver disease, Kidney disease, Cancer, Diabetes, Angioma)
- Infection in the region
- Phlebitis
- Patient with keloid
- Hernia
- Lipoma
- Painful varicose vein
- Use a pacemaker
- Regularly taking anti-inflammatory medication
- Sensitive problem skin
- Hypertrophic scar marks
- Red spot

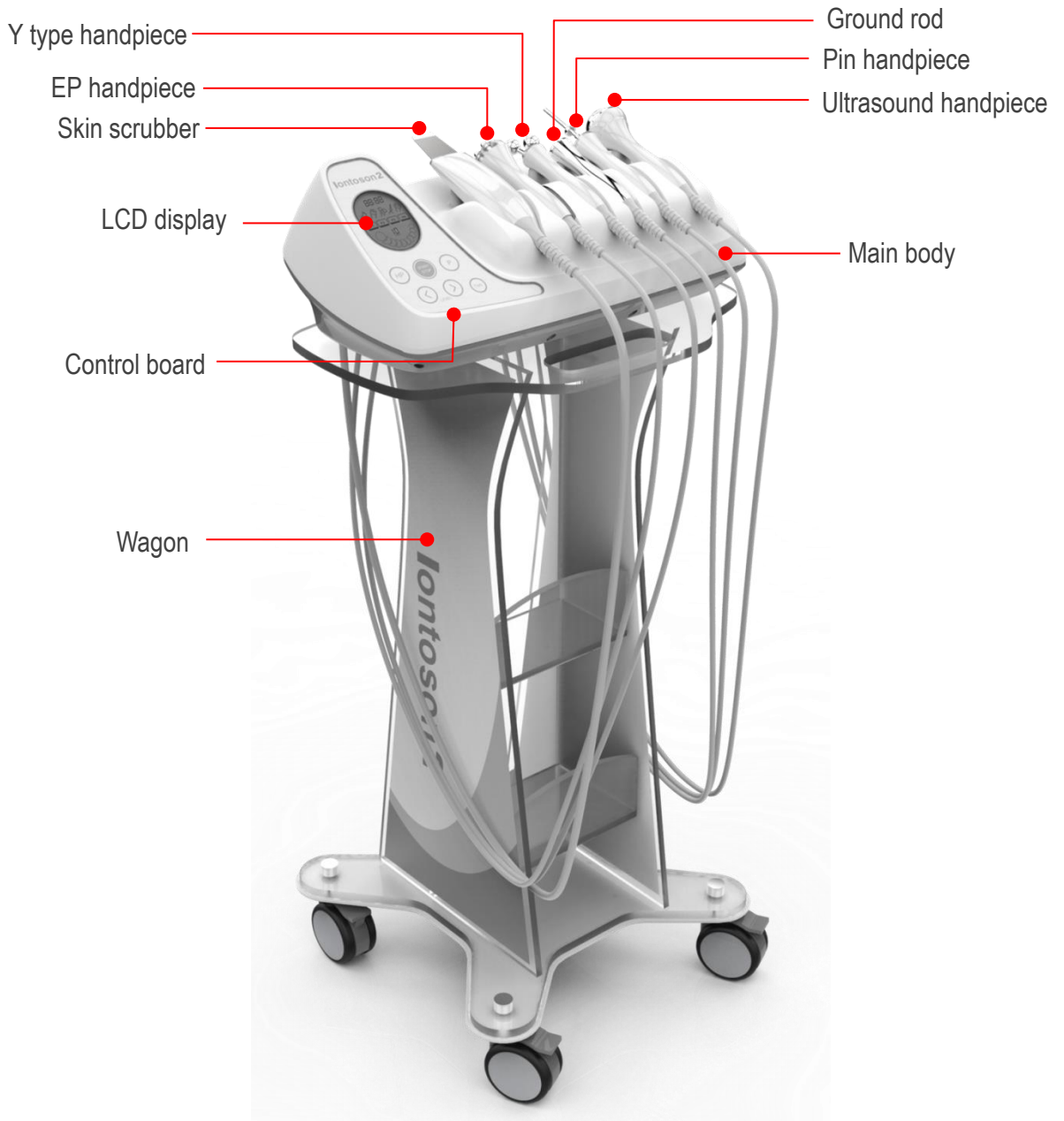


**The user has the ability to adjust the treatment environment & energy setting as per respective customers' situation.**

- Iontoson2 is pre-programmed with treatment guidelines. However the user has the ability to adjust their energy setting as per their decision based on the customers' status.
- Treatment results may vary.

## 2. Device Description

### 2.1 Structure



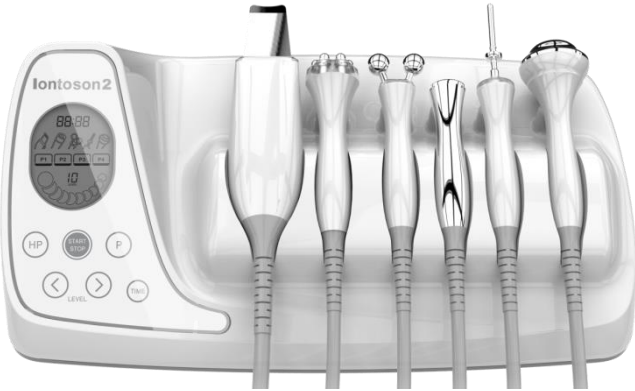









- Main body -



- Handpiece connection part in the rear side of main body -

## 2. Device Description

### 2.2 Components

① Main Body		
		
② Skin scrubber	③ Electroporation handpiece	④ Y type handpiece
		
⑤ Pin handpiece	⑥ Ultrasound handpiece	⑦ Ground rod
		
⑧ Operators Manual	⑨ Power Cable	⑩ Fuse
		

## 3. Site Preparation

### 3.1. About Site Preparation

When preparing the site, operators should consider the spatial, electrical, environmental, transportation and storage requirements of the device. Before unpacking, ensure that the site meets the requirements described in the following sections.

### 3.2. Spatial Requirements

Space should be allocated with adequate ventilation and free airflow. The working area for the device should be prepared according to the device dimensions presented in **Specification** chapter. In order to guarantee proper ventilation, always keep the sides of the device at least 0.2 meters from the wall or from other obstructions to air flow.

The device can interfere with computers and other electrical and medical devices. It should be placed at least two meters away from any such devices.

### 3.3. Electrical Requirements

Please consider the following electrical requirements before installing the device:

- The AC line power requirements for the device are:
  - 100 V / 240 V
  - 50 ~ 60 Hz

### 3.4. Environmental Requirements

Temperature:

- To ensure that the device performs optimally, maintain room temperature between 50° to 80° F (10° to 27°C) and relative humidity at 30% to 75%, non-condensing.
- Do not place the device near heating vents or other sources of temperature variation.

### 3.5. Storage & Transportation Requirements

To maintain the device properly during storage and transport, follow these requirements.

- Keep the storage room temperature between 40° and 105° F (5° to 40° C).
- Keep the device in a location where the humidity is between 10% and 90%, noncondensing.
- Store the device where the air is free of corrosive substances, such as salts or acids.
- Store the device where there is a minimum of dust particles.
- Minimize shock and vibration.
- Do not drop.



#### NOTE

Any damage to the packaging or to the device found prior to opening the package should be reported to your Eunsung Global's regional representative office.



## 4. Installation

### 4.1. About the installation

The Iontoson2 is designed for installation in a clinic or beauty salon and requires minimal site preparation.

On site device installation would be carried out by clinic personnel, who will do the following:

- 1) Unpack the device and position it in its pre-selected location.
- 2) Verify the integrity of the device and its components.
- 3) Connect the applicators' connecting cables to the console.
- 4) Connect the power cable to the device cable connection port.
- 5) Plug the main power cable into an appropriate electrical outlet.
- 6) Turn the device on.
- 7) Test the device for functional operation of all components.

### 4.2. Connecting Power Cable

- 1) Check whether or not power main body or components are included in the product of composition.
- 2) Place the machine on a flat surface and then check whether or not it starts to slip away from its position.
- 3) Connect and exactly match power cable to the socket on the system's bottom-rear panel.

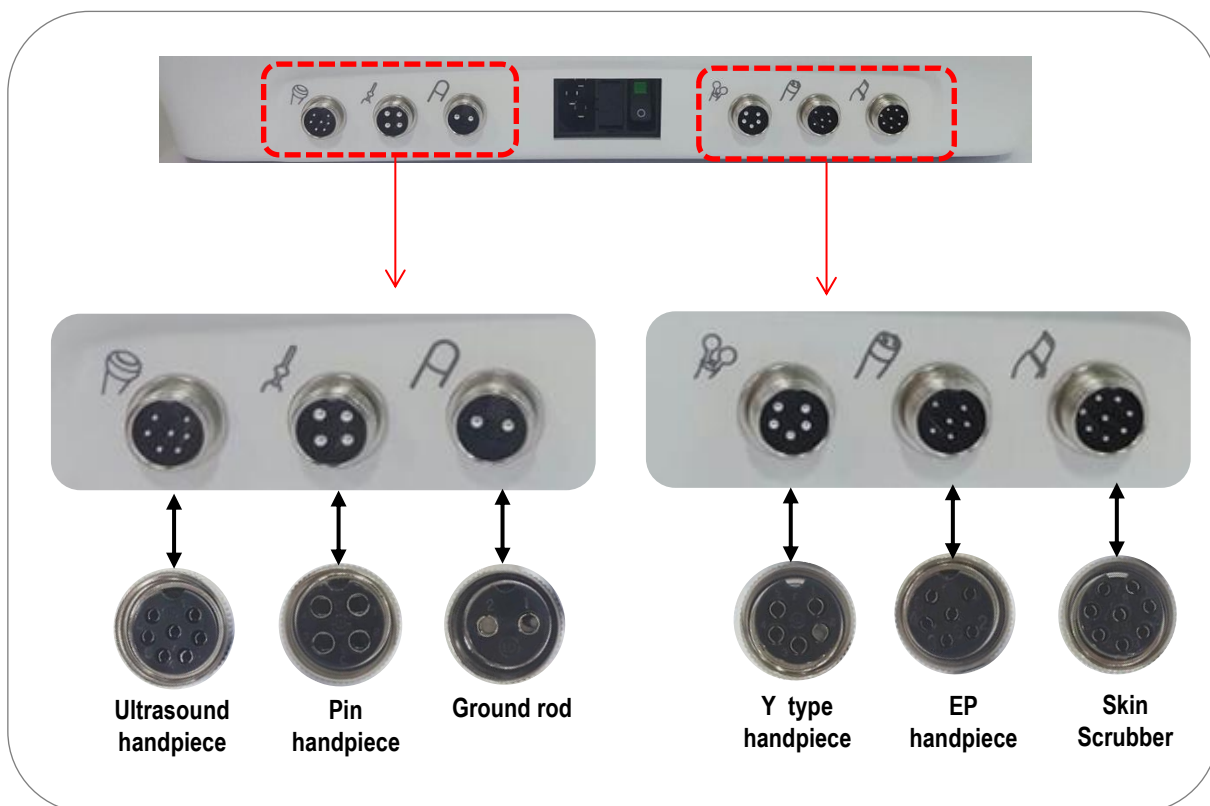


- Connecting power cable -

## 4. Installation

### 4.3. Connecting the Handpiece

- 1) Find out the mark which describes the matching handpiece at each ports as shown in the picture below.
- 2) Connect the handpiece cable into the respectively appropriate port. Please make certain of inserting proper cable before inserting into the port. If the connecting cable is not made properly the device will not operate.
- 3) Lock up the handpieces tightly to the main body by dialing the lock-key clockwise.



### 4.4. Disconnecting the Handpiece

- 1) In case of disconnection of handpieces from main body, dial the lock-key counter clockwise and pull it off from the main body.

## 4. Installation

### 4.5. Power on/off

Connect the AC power cable in the back panel, then turn the main power switch from **O** (OFF) to **I** (ON) position.



- Power Off-



- Power On-

# 5. Operating Instructions

## 5.1. About Operating Instructions

- 1) This section of the manual explains how to start and operate the device inclusive of possible warning & caution at each level of the procedure.
- 2) Prior to use make sure that following conditions are all met.
  - Main console & all applicators are clean & disinfected?
  - Wheels of the device, if any, is safely latched to the ground?
  - AC power cable is connected to grounded socket?
  - Applicators are connected and positioned in their respective cradles?

## 5.2. Instruction for Use

- Be advised to consult to the doctor first before taking treatment.
- At first treatment session, we highly recommend to start with factory preset value.
- Treatment in too high energy and/or strong suction power may accompany side effects.
- Patch test must be done before the first treatment.
- Never operate the system without direct & full contact of the handpiece with the patient's skin.

## 5.3. System Operation

Iontoson2 system control panel provided the user with optimized treatment parameter adjustment as per respective patients' situation.

### 5.3.1. Turn on the Iontoson2

- Connect supply plug to the socket on the system's bottom-rear panel.
- On the system's back panel, press the system's main power switch to the I (On) position



### CAUTION

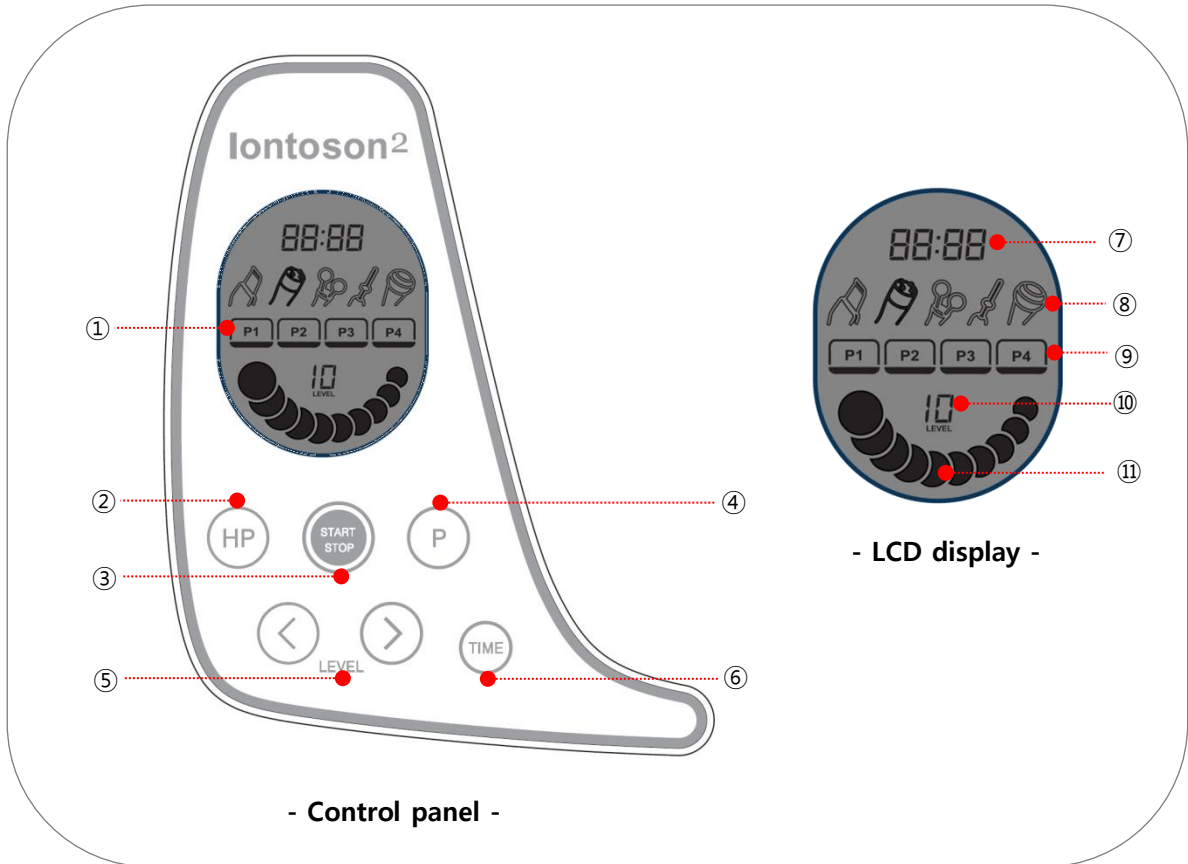
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This system may only be operated by a licensed practitioner, according to the local laws in every country.

# 5. Operating Instructions

## 5.3. System Operation

### 5.3.2. Control panel



Control panel		LCD display	
No	Description	No	Description
1	LCD display	7	Treatment Time display
2	Handpiece selection button	8	Handpiece display
3	Button to Start/Stop	9	Program display
4	Program selection button	10	Level display
5	Level Adjustment button	11	Operating animation
6	Time Adjustment (as 5 minutes in step) ▪ A maximum of 30 minutes		

# 5. Operating Instructions

## 5.3. System Operation

### 5.3.2. How to Use

1) Upon the power-on, main display screen details as below.

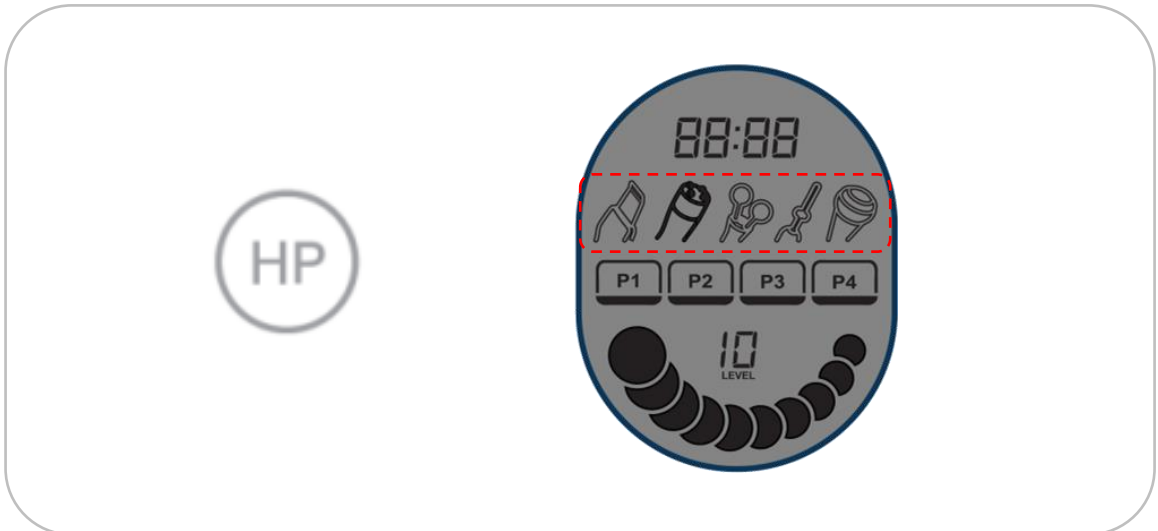


2) Handpiece selection

Touch here to select the handpiece selection button.

Selected handpiece will be indicated by a thick line.

While in operation, this function does not work. If you attempt, you will hear the warning-sound.



## 5. Operating Instructions

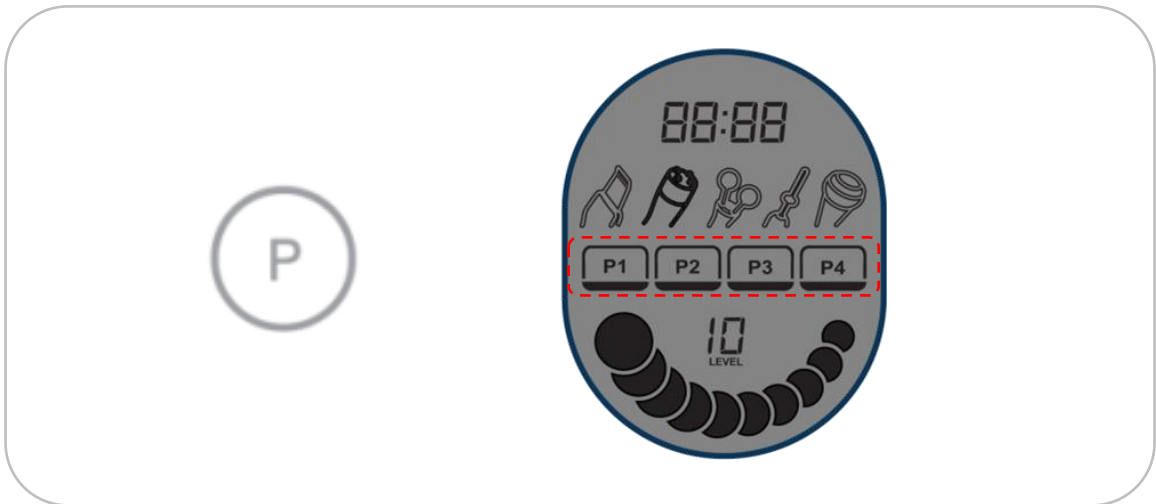
### 5.3. System Operation

#### 5.3.2. How to Use

##### 3) Program

Touch here to select the treatment program.

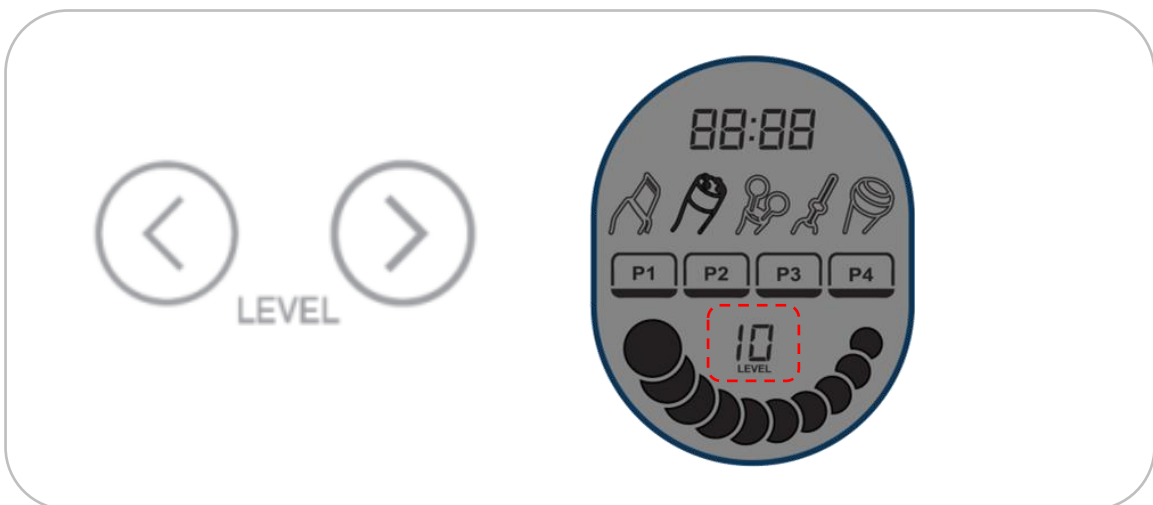
While in operation, this function does not work. If you attempt, you will hear the warning-sound.



##### 4) Treatment Level

Touch here to change the treatment intensity.

Selected treatment-level appears in bold.








# 5. Operating Instructions

## 5.3. System Operation

### 5.3.2. How to Use

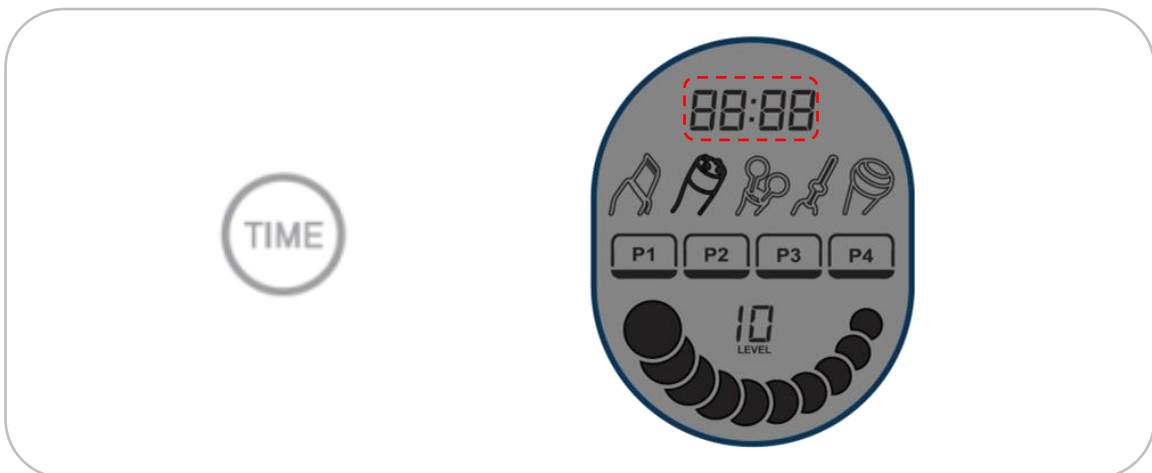
\* Program & Level per Handpiece

	<b>Skin Scrubber</b> Program P1: Cleansing/Scaling    P2: Sonophoresis    P3: Vitamin Level: 3
	<b>EP handpiece</b> Program P1 / P2 Level: 10
	<b>Y type handpiece</b> Level: 10
	<b>Pin handpiece</b> Program P1: +Ion    P2: -Ion P3: Vitamin Level: 10
	<b>Ultrasound handpiece</b> Program P1: Wrinkle    P2: Acne P3: Couperose    P4: Cellulite

### 5) Treatment time

Touch here to change the treatment time duration.

While in operation, this function does not work. If you attempt, you will hear the warning-sound.



#### NOTE

The pin handpiece should be used with the patient holding the ground rod.

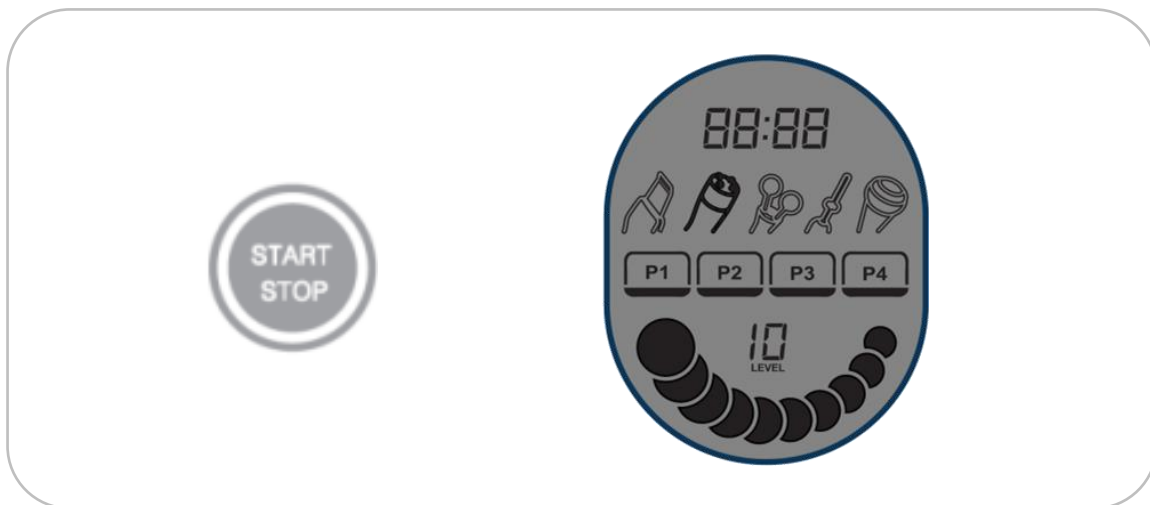


## 5. Operating Instructions

### 5.3. System Operation

#### 5.3.2. How to Use

##### 6) Start/Stop



## 6. Maintenance

### 6.1. About Maintenance

This chapter contains maintenance instructions for the Iontoson2 system. Routine maintenance may be performed by clinic staff unless otherwise specified. Any maintenance procedure not mentioned in this chapter must be performed only by Eunsung's authorized technical personnel.

The outer surfaces of the system should be kept clean for hygienic reasons and the applicator should be cleaned and disinfected between sessions to enable effective and safe treatment.

### 6.2. Cleaning

Eunsung suggests that operators periodically clean and disinfect the exterior of the Iontoson2. Always turn off the system before cleaning.

- 1) Main Device
  - Clean the exterior of Aurora system with a mild soap and water.
  - When necessary, disinfect the outer surface.
- 2) LCD Screen
  - Clean the LCD screen with a soft cloth. If dirt or any kind of debris are strongly attached to it, do not try to wipe it hard to remove it multiple times of soft stroke will do.
- 3) Handpieces
  - The handpiece contacts the skin. It is therefore necessary to clean and disinfect the handpiece after use.
  - Wipe out the skin-contact area with wet tissue followed with soft dry cloth.

### 6.3. Troubleshooting

Trouble	Possible Cause	Solution
System does not start.	AC Power cable is not properly connected.	Connect AC power cable.
	Main power switch is OFF.	Turn the main power switch to ON.
	Blown fuse.	Needs service, call your local sales representative.
No correspondence between the displayed energy and effects on skin.	Damaged handpiece	<ul style="list-style-type: none"><li>▪ Replace handpiece.</li><li>▪ Needs service, call your local sales representative.</li></ul>



#### CAUTION

Do not wet both the device & handpiece with water or immerse in any liquid.

# 7. Warranty

## 7.1. About Warranty

- 1) Eunsung Global implements Product Limited Warranty as follows based on reconciliation standard of consumers dispute by merchandise. (Notified by Fair Trade Commissions)
- 2) This section of the manual provides information regarding customer support, such as warranty & warranty claims.

## 7.2. 1 Year Limited Warranty

- 1) You may claim the warranty if the device gets malfunctioned within an year from the date of the purchase.
- 2) Eunsung Global has the sole responsibility to determine the cause of merchandise defect.
- 3) 1 Year Limited Warranty only includes main device. (accessories and/or consumables not included)

## 7.3. Limitations & Exclusion

This limited warranty does not cover and Eunsung is not responsible for ;

- The merchandise is being damaged caused by misuse, abuse, accidents, fire, theft, disappearance, misplacement, fluctuation and power surges, connection to improper voltage or incorrect electrical line voltage, malware, reckless, willful or intentional conduct
- Damages caused by a product or part that has been disconnected, modified, arbitrary repaired, altered without the permission or supervision of trained personnel from Eunsung.
- Damages caused by usage that is not in accordance with instruction of operator's manual, failure to follow the operator's manual or failure to perform cleaning or preventative maintenance;
- Damage caused by a product or components that has been modified to alter functionality or capability without the written permission of Eunsung Global.
- The merchandise that has no serial number.
- For some accessories, in case the guaranteed warranty life time is expired.
- Merchandise defect ascribed to natural disaster.
- Normal wear & tear.



### NOTE

- Improper use or adjustment of this system may invalidate the service warranty agreement. Please contact your local representative of Eunsung Global before attempting to troubleshoot this system in any manner other than specified in this manual.
- Before returning merchandise, obtain prior approval from Eunsung Global.
- Fail to follow the detailed instruction will void the warranty. Also please read 6.3. Limitation & Exclusion conditions carefully before making any claim.

## 8. Specification

Handpieces	Skin scrubber / Electroporation / Y Lifting / Iontophoresis / Ultrasound
Input Power	AC 100~240V, 50/60Hz
Weight	5 kg
Dimension(WxDxH mm)	450 x 239 x 172

## 9. Customer Support

[ Customer Service and Sales ]

### Sales Representatives

### Manufacturer



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