User's Manual- Lab Blender LS700A

Warning: Read manual before use

User
This product should be used under the supervision of the director and others who can understand the user's manual.

AC input power
Be sure to check the following before installing and using this product. Make sure that the AC input power you use is the same as the display on the back of this machine. The AC input power must be connected to the earth terminal as shown in the figure below.

어스접지단자 (Earth terminal)

Please use included AC power cable. If you want to use another cable inevitably, use a AC power cable with a rated capacity of 250V 3A or higher.

Maintain and inspection
Remove the AC power cable from the outlet before performing maintenance and inspection. If you need the assistant of product inspection, contact your distributor or manufacturer.

Warranty
If the products that are not clearly faulted by consumers are eligible for free repair within one year of purchase.
Products that fail due to consumer error or are past warranty period may be repaired in advance.
If you want to get a warranty service or repair service, contact distributor or manufacturer.
The shipping fees shall be paid by the service client and the provider respectively.

Safety regulation
Do not repair or modify without authorization or assistant of the manufacturer.
If you modify the product without authorization, we cannot guarantee customer's safety and product performance. The consumer is responsible for this.
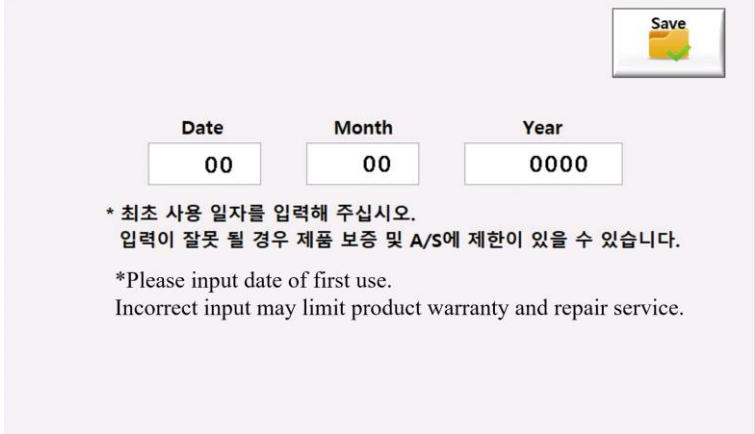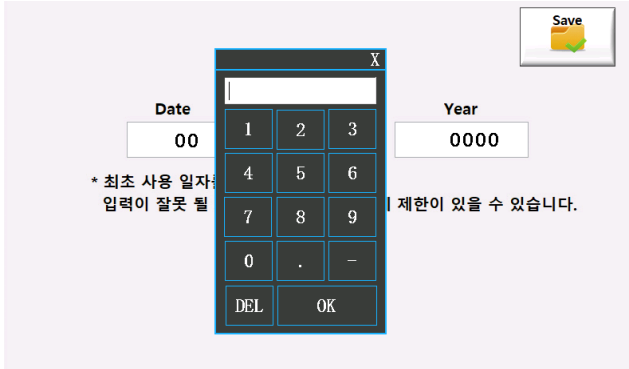
Safety symbol
The user must use it with sufficient caution to avoid electric shock, and the user must be protected from electrical hazards. Careless use may result in equipment damage.

1. Product Inspection

Check the product status and component when you receive product.

If product have defect, you can change product or get repair service. Contact manufacturer or distributor.

Please enter as below for first use.

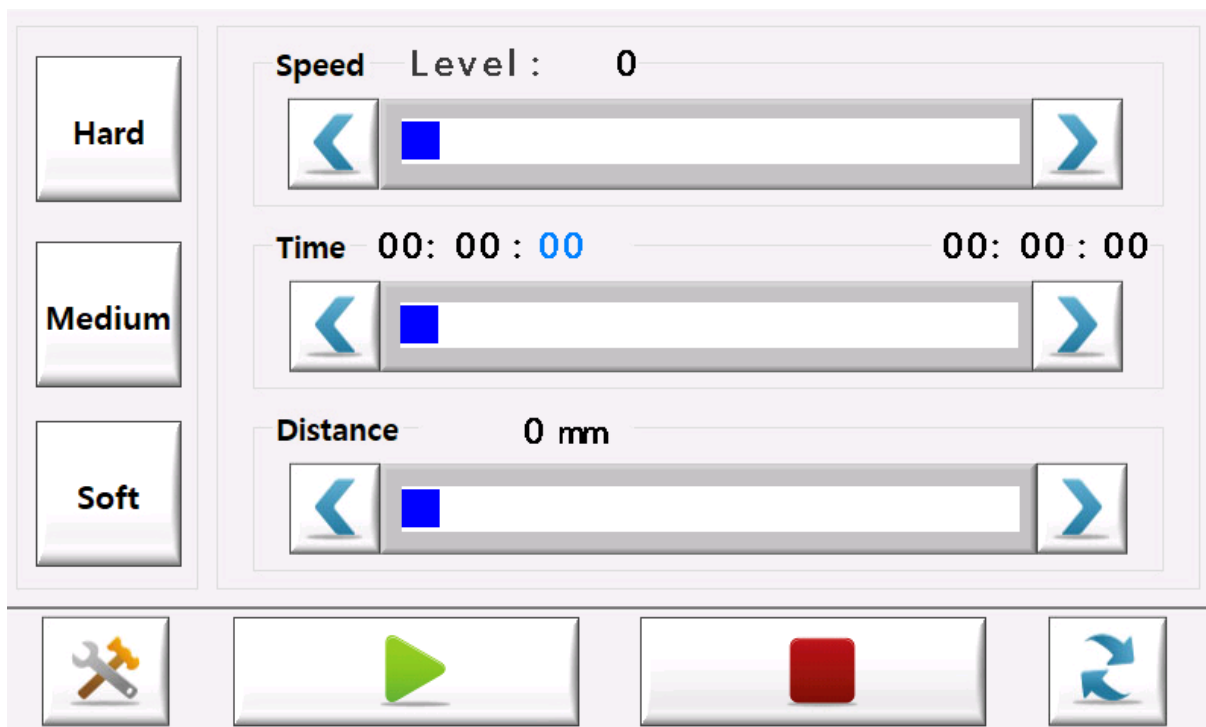| No	Step	Contents
1	Connect power	Connect power. This product uses 110V~220V (AC)/50Hz~60Hz. Be sure to check that the input power before use.
2	Power ON	Turn on the switch in rear part.
3	Product reset	
4	Input DD/MM/YY	 Input first use date. Touch 'Date,' 'Month,' and 'Year' active the input Key. Must enter the exact date. ** Incorrect input may limit product warranty and repair service.*
5	Save	Press the save button for saving the setting.

6	Check the first use date	 Recheck the first use date. If you want to change, Press the return button and reset. After that, press the save button to save.
7	Main screen	When all setting complete, product will be initialized. And switch to the main screen.

2-1. Before Running

<Product initialization>
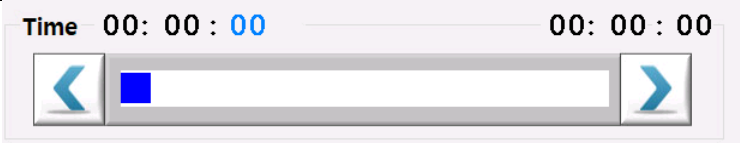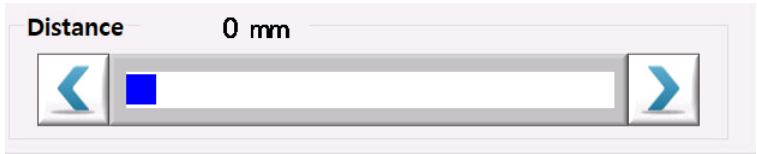
When the product initializing is complete, you may see the switched the main screen.

The default setting of distance is "0mm".

2-2. Running

No	Step	Contents
1	Speed setting	Decrease Speed Level Increase Speed Level You may adjust the level through drag slide. ***Adjustable Level Volume: 1 ~ 10**
2	Operating Time setting	Decrease Operating Time Increase Operating Time You may adjust operating time when you touch "Hour," "Minute," and "Second." Also you can drag a slide for adjusting operating time. ***Adjustable Level Volume: 1sec~2hour Set time over 2 hour: Unlimited**

3	Distance setting	Decrease the Distance Increase the Distance You may drag a slide for adjusting distance. ● **Adjustable Distance: 0 ~ 30mm**
4	Start	Touch this button to start.
5	Run	Depending on the test conditions, the test is run. The distance, operating time and speed can be adjusted during the test.
6	Finish	The test ends after the set time has elapsed.
7	Test Stop	Touch this button to end the run for forced shutdown during the test.

* You can also set conditions easily through the "Quick menu."

  There are 3 types of operation volume: "Hard," "Medium," and "Soft" on the Quick menu.

  Quick menu can be changed in Quick Menu sep-up.

3. Alarm

1) Door open alarm while operating.

   If the door is opened while the machine is running, running will be stopped and an alarm will be on.

   When you close the door again in this case, machine can be run.   There is a stabilization time of 3 sec when rerunning.
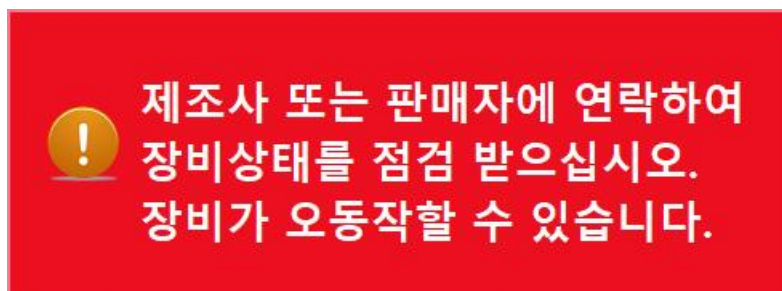
 2) Equipment Sensor failure alarm

   Alarm is ringing when a fatal error occurred in equipment sensor.

장비에 치명적인 오류가발생했습니다.
반드시 점검을 받으십시오.
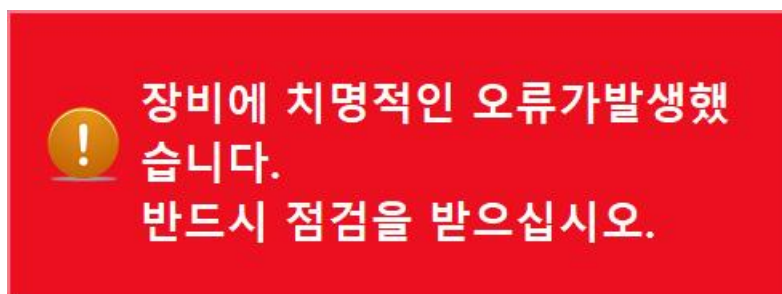
   In this case, you must do not use the machine and contact the manufacturer or the distributor.

 3) Equipment checkout alarm

 When a machine needs maintenance, the alarm is ringing.

제조사 또는 판매자에 연락하여 장비상태를 점검 받으십시오. 장비가 오동작할 수 있습니다.

   In this case, you should refrain from using machine and contact the manufacturer or the distributor.

4. "Quick menu setup" Setting

The user can call up a quick preset menu and use it. Also "Quick menu" can be edited and saved in the "Quick menu setup page."

No	Step	Contents
1	Move "Quick Menu" setting page	Press [button] button in the main screen. Then the screen is switched into the "Quick menu setup" page. "Quick menu" has 'Hard,' 'Medium,' and 'Soft' types.
2	Choose the "Quick Menu" type	Choose the menu that you want to change. [Hard] [Medium] [Soft] The color of the selected menu turns into green. And it displayed the preset value.
3	Set operating time	[Time 00: 00 : 00 00: 00 : 00]

		Decrease operating Time Increase operating Time You may adjust operating time when you touch "Hour," "Minute," and "Second." Also you can drag a slide for adjusting operating time. ***Adjustable Level Volume : 1sec~2hour** **Set time over 2 hour : Unlimited**
4	Distance Setting	 Decrease the Distance Increase the Distance You may drag a slide for adjusting distance. **Adjustable Distance: 0 ~ 30mm.**
5	Save	When the setting is completed, press the button to save the menu setting.
6	Reset	Repeat the above steps for the menu that you want to change setting.
7	Return	When the quick menu setting is completed, press the button to return to the main screen.