

HW-Prennex030

HANDHELD LED UV CURING DEVICE

Handheld LED UV Curing Device
30mm x 104mm – 395nm-Air Cooled
8-10w/cm2

Product Datasheet



Version: 1.0
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Acknowledgement information

We declare that, this product may not function well if you remove the controller and LED UV irradiation head housing. We will not guarantee anything for this behavior.

Edit and publish instructions.

This manual is edited and published by Smiley and contains instructions and technical specifications for the latest products.

The contents of this specification and product specifications are subjects to change without notice. In the meanwhile, we will not be liable for any damage (including consequences) caused by the materials contained in the instruction manual.

Safety precautions.

This instruction manual uses the following illustrations.



Warning against possible personal injury. UV lights from the irradiated head is harmful to human body, do not illuminate the human body, especially the eyes.
Please wear protective glasses when using.



Do not unplug with wet hands to avoid possible electric shocks.



High temperature warning. After using and just after using the device, the treatment head temperature is very high, to avoid injury, do not touch. .

Important safety instructions:

When using the equipment, in order to reduce the possibility of fire, electric shock and personal injury, please strictly observe the following basic safety guidelines.

1. Do not use this product near water sources, wet places.
2. Do not use this product during thunderstorms. Otherwise, there is a risk of electric shock due to lightning.
3. Do not use this product near gas, natural gas and other flammable gas leakage area.
Please keep this instruction manual properly.

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1 Introductions

Inside list of the boxes:

- Main controller 1 set
- LED UV emitting head 1 set
- Control box power wire 1 set

Installation location

- 1) Place the device on a flat, firm surface that is not susceptible to vibration and blocking.
- 2) Install the device at a temperature between 5°C and 40°C.
- 3) The control panel should be flat and should not be suspended or tilted.

Main control box

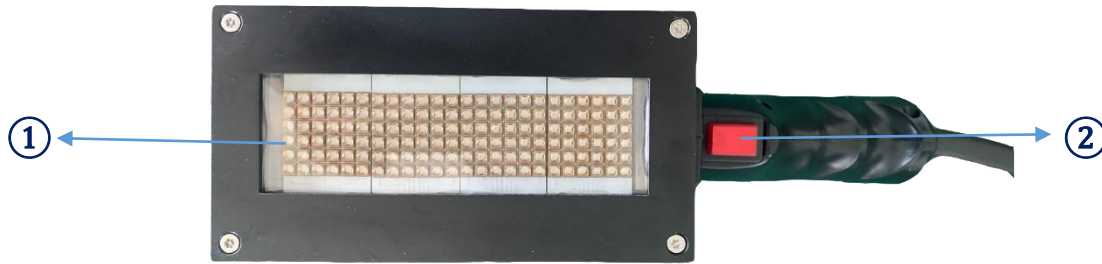


- ① Temperature controller
- ② Handle
- ③ Power set knob



- ④ Power plug
- ⑤ fuse
- ⑥ Power switch
- ⑦ Fan
- ⑧ LED drive output
- ⑨ Expansion port

LED Emitting head



① LED emitting window

② LED Switch

Caution



Do not unplug with wet hands to avoid possible electric shocks!

2 Operation instruction

Preparation for turning on

Before using this equipment, confirm the main control box power cord, factory power outlet, main control box and LED UV irradiation head power cord and data cable in turn as required.

Caution:

- **The LED UV irradiated head must not turn on the power switch in the direction of the person.**

Power wore connection

After confirming the direction, plug the main control box power cord into the power outlet on the back panel.

Fuse placement

Place the fuse in the card slot, in the right direction, and slowly press inside until the bottom.

LED UV emitting head connection

Connection of LED UV emitting head and main control box

Point the driver line end plug at the LED drive output connector on the main control box and push in and lock hard at the alignment position.

Caution:

- **UV radiation from the head is harmful to the human body, do not irradiate the human body, especially the eyes, when using please wear a large protective mirror. After using and just after using the equipment, the treatment head temperature is very high, in order to avoid burns, please be careful not to touch.**

Operation of turning on

It requires the following steps to turn on

- 1) Make sure that the main control box power cord is connected correctly;
- 2) Make sure that the main control box and LED UV irradiation head data cable are connected correctly;
- 3) Confirm the luminous surface of the LED UV irradiated head and the distance of the cured product.

After the above confirmation is correct, follow these steps in turn:

- 1) Turn on the power switch on the back of the main machine and power up the chassis.
- 2) Hold the LED head and face the surface of the object that is about to need to be cured or exposed.
- 3) Press the red button on the handle of the lamp head and the LED light will light up.
- 4) Adjust the power adjustment knob on the chassis panel according to demand, rotate clockwise, increase the light intensity, rotate counterclockwise, and reduce the light intensity.

Operation of turning off

After the production task is complete, turn off the LED UV curing unit and shut down the operation according to the following procedures:

- 1) After curing or exposure is complete, press the red button on the handle of the lamp head again and the LED light goes out.
- 2) Turn off the main control box.

3 Plane light source spec

Name: Handheld LED UV Curing device

Type: HW-CL4x26L3B12C3F2A

Wavelength: 395nm±5nm

Optional emitting head quantity: 1~4 or customized

LED UV emitting window size: 104mm *30mm

Intensity: about 8000mw/cm²—10000mw/cm²

Working: Manual

Power setting range: 0~100%

Cooling method: Air-Cooled

Input Voltage: 220VAC 50~60HZ

Power consumption: about 600W

Suitable temperature: Working temp +5~+40°C

Storage temp -15~+65°C

Environment temperature: 20%~80%

Controller size: 330mm *135mm *231mm

Weight: about 3kg

Optional accessories: R232 communication port

UV illuminometer、UV energy meter

Emitting head bearer frame

UV protective glasses

4 Daily maintenance

Packaging and transportation.

When transporting equipment, use random packaging materials. Any damage caused by not properly packing the equipment is not covered by the warranty.

Control box packaging.

- 1) Turn off the device power switch.
- 2) Unplug all cables and power cords on the device.
- 3) Place the controller in a plastic bag and place it in an original carton with the original packaging material. Put it in the inner box.
- 4) Place the foot switch in a box with the original packaging material.
- 5) Place the instruction manual and power cord in the original thin carton and place the carton in the inner box.
- 6) Close the inner carton and seal it with tape.
- 7) Place the foam protection angle in the inside four corners of the outer packing carton.
- 8) Put the inner packing carton into the outer packaging carton, the inner packaging carton on the four corners of the foam protection angle.
- 9) Close the outer carton and seal it with tape.

LED UV emitting head package

Place the treatment head in a box with the original packaging material.。

Daily maintenance

Clean the treatment lens.

LED skinheads need to be cleaned regularly for long-term use, using soft deerskin, lens paper, alcohol to ensure the intensity of treatment and good cooling.

Clean the controller.

Clean the controller regularly and wipe it with a little alcohol from the cleaning tool. Do not clean volatile liquids such as thinners or benzene, as this can damage the surface of the device. Do not use cleaning materials containing ammonia.



When cleaning the device, always turn off the power and unplug it and wait for the device to cool down before cleaning. After cleaning, wait completely dry before use, otherwise there is a risk of electric shock. !

5 After sales service

Since our inception, we have a complete quality assurance system, in order to facilitate users, the company implemented a three-level after-sales service system, when the system operation failure, please call the company's after-sales service telephone, such as telephone communication cannot be resolved, local and surrounding provinces and cities customers within 24 hours door-to-door solution, on-site troubleshooting; Regular quality tracking, door-to-door inspection services.

For out-of-warranty system repairs, the customer needs to bear the cost of spare parts and maintenance labor costs, maintenance personnel will explain to you before the repair and show the charging standards, with your consent, we will not implement maintenance after-sales service. We will bring you a valid charge invoice or receipt for the repair fee.