

Mid-Powered LED UV Curing Oven
USER MANUAL



SKU: 510227

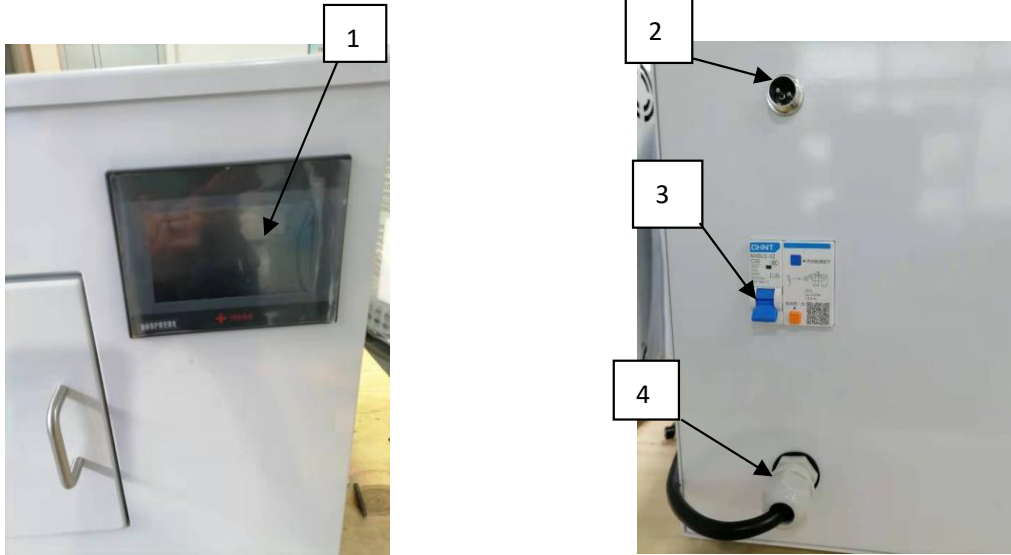
UV Curing Chamber Oven

Thank you for purchasing our products, please read the instruction manual carefully before use

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1. Main structure and working principle

1. 1 Main structure



1. HMI	Display the current real-time power, temperature, irradiation time and total production while starting and stopping the oven operation, parameter setting, function selection and alarm information viewing
2. Foot pedal socket	Connect the foot pedal signal cable
3. Leakage protection switch	Main power switch
4. Power cable	External input power cord of the oven, connected to AC 110V

1.2. Working principle

- 1) Turn on the curing oven .
 - 2) Set corresponding parameters and functions according to the operation needed. (Please see the operating instructions for details).
 - 3) Open the door, put in the product, and close the door.
- In manual mode, click the start button to start the oven , click the stop button or open the door to stop the irradiation
 - In the automatic mode, close the door to start the irradiation and count down, and stop the irradiation when the time is up

2. Main performance parameters

Dimensions	381.7 x 275 x 302 (L*W*H)
Power	Single phase AC120V ±5% 50/60HZ
Control type	PLC
UVLED wavelength	365nm/385nm/395nm/405nm
Effective Curing Area	150 * 150mm
Optical power adjustment	1-100% adjustable
Cooling method	Fan cooling
Working temperature	-10°C--50°C
Working environment humidity	10%--80%RH no condensation
Power consumption	600-1168 W

3. Installation

Installation precautions: Open the package, check whether the UV oven is in good condition, and whether the accessories are complete (product + foot pedal + instruction manual).

Installation sequence:

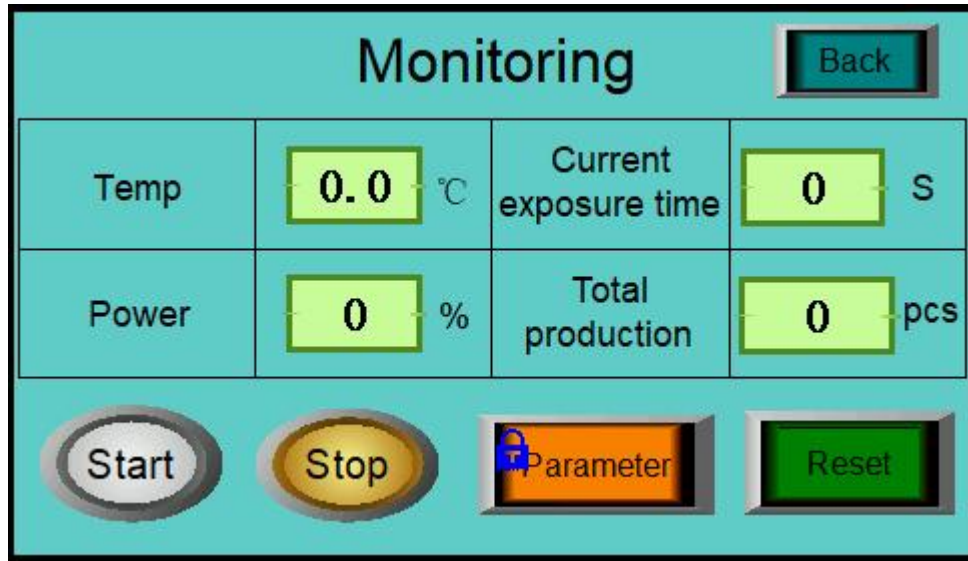
1. Steadily place the UV Oven on a flat clean surface.
2. Once the oven is safely placed connect the power cord.

4. Instructions



Boot interface

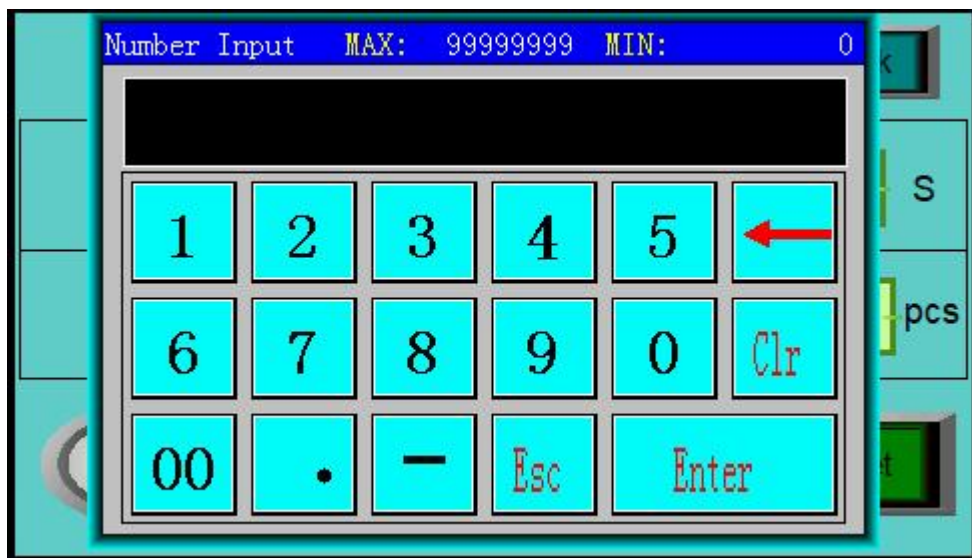
Click the "Click to use" to enter the monitoring interface.



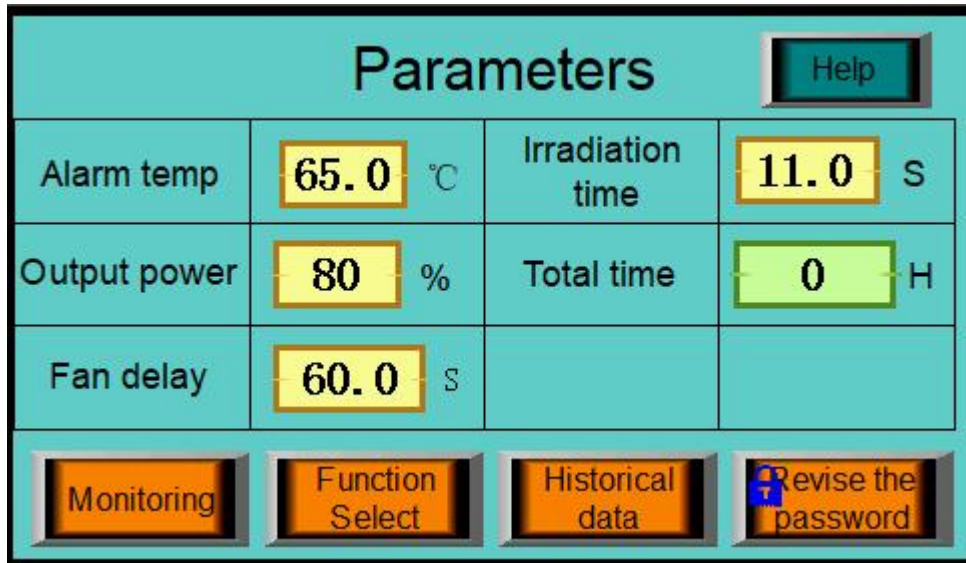
Monitoring interface

Temp	Display of current UVLED real-time temperature
Power	Display of current UVLED output power
Current exposure time	The display of the current UV LED irradiation time, the countdown will be automatically turned on, and it will automatically stop when the time is up, and the door will also stop halfway through. Manually light up to start timing, click "Stop" or open the door to stop
Total production	Production Quantity Statistics
Start	Manually click the start button to turn on the lamp
Stop	Turn of the lamp
Parameter	Click this button to jump to the parameter setting page
Reset	Click this button to clear production quantity statistics
Back	Return to the initial page

Click "Parameter" to display the following screen, Input "666888" and click "Enter".

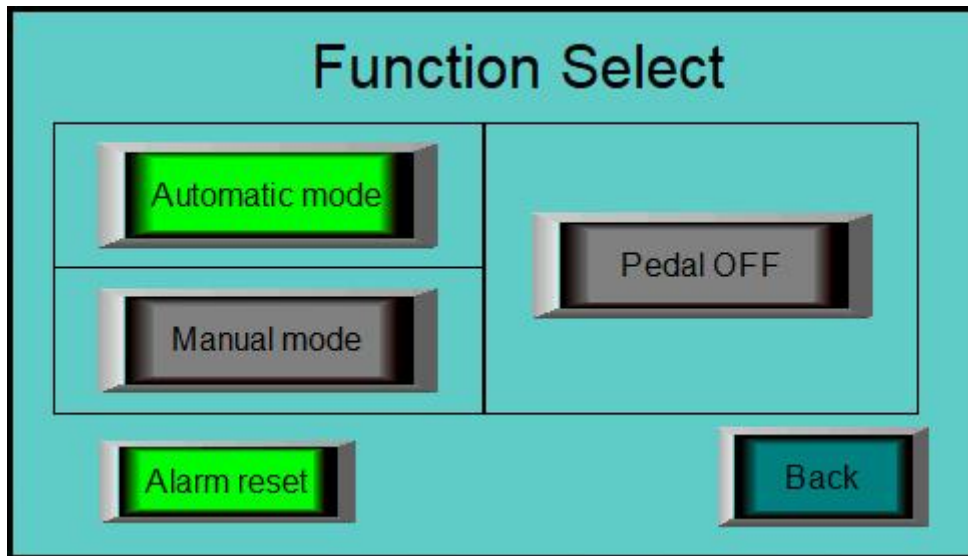


After getting permission, go to "Parameter".



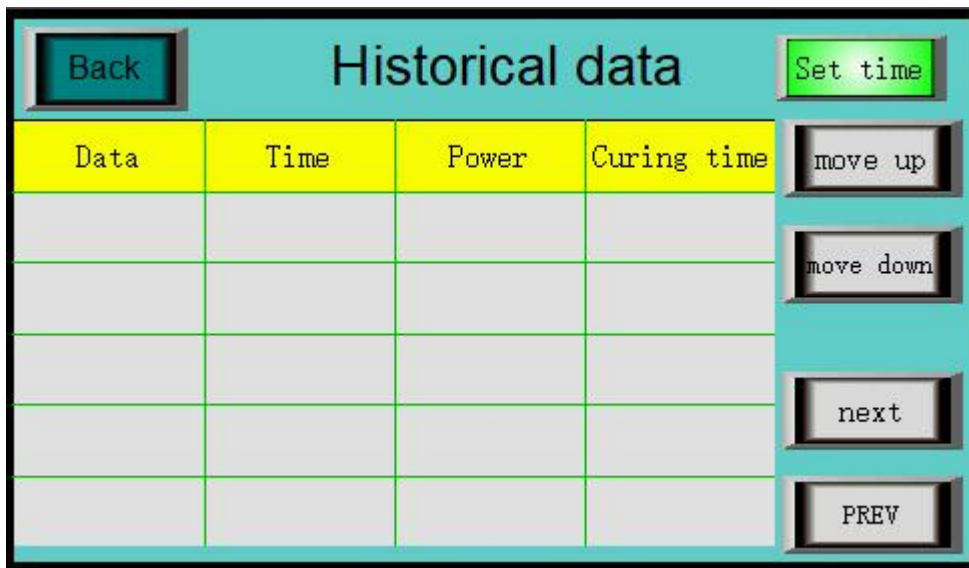
Parameter settings

Alarm temp Alarm temperature setting	When the real-time UVLED temperature is greater than the alarm setting temperature, the UVLED will be forced to turn off and an alarm will be prompted (alarm temperature setting range: 60°C-65°C)
Output power Output power setting	UVLED output power setting (range: 1-100%)
Irradiation time	UVLED irradiation time in automatic mode (range: 0.1-999.9S)
Total time	Cumulative UVLED historical irradiation time
Fan delay	After the UVLED is turned off, the cooling fan will stop after a delay (range: 0-999.9S)
Help	Basic operation introduction
Monitoring	Click this button to return to the monitoring interface
Function select	Click this button to enter the function selection interface
Historical data	Store the irradiation time of each product, that is, the irradiation power (the maximum storage is 100,000, the first data will be automatically overwritten when the storage is full)
Revise the password	Click this button to enter the password change interface, you need to enter "891227" to obtain permission.



Function selection interface

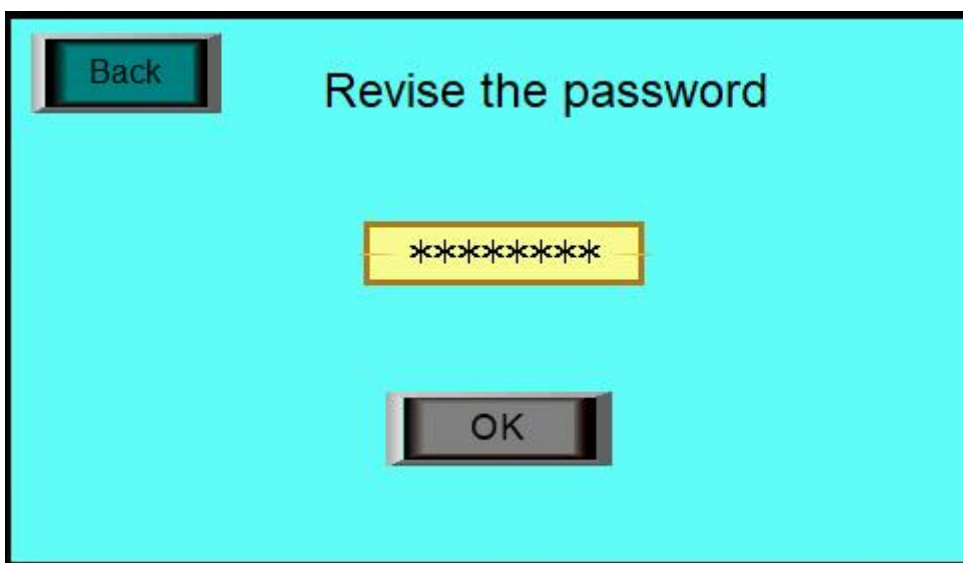
Automatic mode	<p>Close the door, the UVLED lamp will turn on and start the countdown. When the time is up, the UVLED lamp will be automatically turned off.</p> <p>Open the door halfway or click stop to turn off the UVLED lamp.</p>
Manual mode	<p>Close the door, the UVLED lamp turns on and starts to count up (that is, the cumulative time).</p> <p>Open the door or click stop to turn off the UVLED lamp</p>
Pedal OFF	<p>After this function is selected, the start button will be invalid. This function must be used with automatic mode or manual mode, (for example: automatic mode + foot pedal function, close the door, step on the foot pedal once to turn on the UVLED lamp and start the countdown, and turn off the UVLED lamp when the time is up. Open the door halfway or click stop to turn off the UVLED)</p>



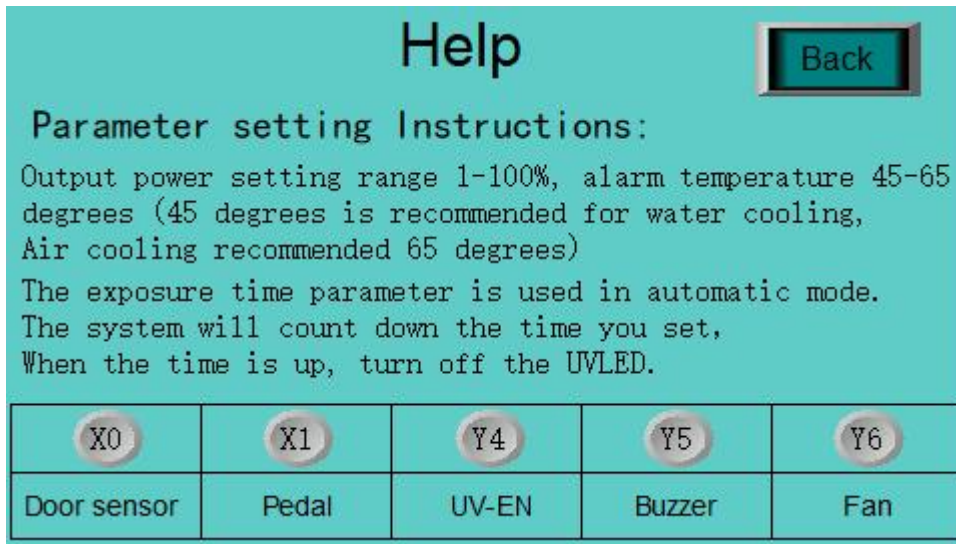
Historical data

Historical data: store the production date, time, irradiation power and irradiation time of each product.

Set time: When the time is not on time, click to change the set time



Change permission "891227" is required.
 You can change the access password for "Parameter".



Help

Help: Basic Operating Instructions

Indicator light: Check the input and output signals to judge the fault.

When a temperature alarm occurs, click "Alarm reset" after troubleshooting.



When the lamp is turned on in automatic mode, and the irradiation time has not expired, an alarm prompt will appear.

Click "Reset" to restart.



5. Common faults and solutions

Fault phenomenon	Cause of issue	Approach
No power on	Poor power cord contact	Check the power interface and whether the power cord is in good contact
	Leakage protection trips or fuse blows	Open the electrical control cabinet of the machine and check whether the leakage protector and fuse are normal and in good contact.
Over temperature alarm	<ol style="list-style-type: none"> 1. The alarm temperature setting is too low. 2. The temperature sensor is faulty. 	<ol style="list-style-type: none"> 1. Set the alarm temperature to 65°C. 2. Enable the backup temperature sensor. (Contact the manufacturer)
UV lamp does not light up	<ol style="list-style-type: none"> 1. The control wire is loose and connected to the wrong wire. 2. An alarm occurs. 3. Other reasons 	<ol style="list-style-type: none"> 1. Strictly follow the wire numbers and tighten the screws. 2. Eliminate the alarm according to the touch screen prompt. 3. Contact the manufacturer to provide fault analysis.

6 .Equipment daily maintenance

1. Clean the surface dust every day, keep the body and fan port regularly clean, and keep the cooling channel normal (clean once a month, depending on the environment).
2. Turn on the lamp to check whether the UV lamp is irradiating according to the set power. If it is abnormal, stop the oven, contact the staff for inspection, or contact the manufacturer.
3. System maintenance should be carried out after the equipment runs for one month check if the UV lamp is aging.

7. Precautions

1. Please ensure that the power cord is in good contact and the ground wire is reliably grounded
2. Please ensure that the working voltage of the UV oven is stable and normal
3. Mismatch of power frequency will cause damage to the machine
4. This product is industrial equipment, non-professionals should not disassemble it