

**GERKO**

PAINT RELATED PRODUCTS



# UV CURING LAMP UVCL - MANUAL



[WWW.GERKOPRODUCTS.COM](http://WWW.GERKOPRODUCTS.COM)



**WARNING!** Read this manual before using this product.  
Failure to do so can result in serious injury.  
**SAVE THIS MANUAL.**

The GERKO rechargeable UV curing light utilizes the latest ultra-hi-flux UV-A LED technology and focused through custom-designed optics to provide More efficient, Faster, and Safer for all automotive repair and industrial finishes works which uses ultraviolet light curable fillers, base coats (primers), top coats, and clear coatings etc.

## FEATURES

- Up to 1s curing time for some UV primer flashing off.
- Powerful irradiance with maximum UV-A intensity of 55,000  $\mu\text{W}/\text{cm}^2$  at 20 cm (8 inches).
- Successfully tested on UV paint products by the major paint manufacturers (PPG, Akzo Nobel, BASF, Axalta, Doppon etc.).
- Only powers and emits UV-A. No harmful UV-B & C.
- Efficient built-in cooling system keep light cool to maintain optimum light output during extended use.
- Wall-Mounted charging station provides more convenient recharging process.
- Efficient ultrasonic range finder function.

## WARNING



- UVA protection glasses must always be worn when using the .
- To prevent permanent eye injury and blindness: Do not direct light at eyes. Risk of eye injuries!
- Do not point directly at uncovered skin.
- Do not open the device, except when removing battery for disposal/recycling.
- Keep away from children! This is not a toy. Children should be supervised in order to ensure that they do not play with the device!
- Do not operate in direct sun light or extreme temperature conditions.
- Inspect before every use; do not use or charge if damaged or parts loose.
- Do not set light down on lens while on.
- Have your device serviced by a qualified repair person using only identical replacement parts.
- This will ensure that the safety of the device is maintained.
- Only use included charging adaptor. Other adaptors may damage device or cause fire.
- People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.
- Contains Li-Ion battery. Battery must be recycled or disposed of properly. Do not open, crush, heat above 60°C(140° F) or incinerate.



**GENERAL SPECIFICATIONS**

Light Source	High Power UV LED
LED Light Watt	66 Watts
LED Wavelength	$\lambda_p = 395 \pm 5$ nm
LED Lifetime	40,00 Hours
Battery Type	Li-ion 11.1V - 5200mAh, 57.72Wh
Battery Charging Time	3 Hours
Battery Charging Info	AC 100 - 240V~ 15V 1.5A
Running time	90 Minutes in Total (Max 10 minutes each use)
Light Weight	0.9 Kg (2 Lbs)
Light Size	159 x 223 x 77mm (6-1/4" x 8-3/4" x 3")
Light Body Material	Aluminium+Polyamide
Cooling System	Passive Thermal Management System enhanced with fan
Storage temperature	-20°C ~ +50°C (-4°F ~ 122°F)

**TECHNICAL SPECIFICATIONS**

Ultrasonic Range Finder	Max400cm	
Temperature Control Function	Working $\leq 90^\circ\text{C}$ (194°F)	
Safety Protection Function	Double click $\leq 100$ ms	
Curing Distance	50mm(2")	200mm(8")
Curing Zong Dimensions	100mm x 100mm(4" x 4")	200mm x 200mm(8" x 8")
Curing Time	5~12 seconds*	30~80 seconds*
Average Irradiance	135 mW/cm <sup>2</sup>	36 mW/cm <sup>2</sup>
Peak Irradiance	200 mW/cm <sup>2</sup>	55 mW/cm <sup>2</sup>

\*This is laboratory data only for reference. The curing time may vary according to the paint product type, working condition, the curing process and/or other factors



## ACCESSORIES LIST

1. UV curing lamp UVCL
2. 15V1.5A Universal Charger
3. Universal Charger Adaptor
4. Wall-Mounted Charging Station
5. UV Protection Glasses



## OPERATION

### 1. General Operation



Wear UV protection goggles and remove them only after work is finished.



Hold the main switch for more than 1 second to switch on or off.



Pull the light switch to turn the light on or off.

### 2. Faulty triggering protection system



Double click the to lock or unlock the light when the power and display screen is off.

### 3. Setting Procedure



Press the setting button to start the setting procedure. Switch to 'set minutes' mode: the minutes display continues to flash.



Press the duration setting buttons to adjust the minutes (max. 10).



Press the setting button again to enter 'set seconds' mode. The seconds display continues to flash.



Press the duration setting keys to adjust the seconds (max 60).



Press and hold the duration setting buttons to speed up the setting. The maximum time can be set to '10:00' minutes.



Press and hold the setting button for 5 seconds without operating to confirm the setting procedure.



The countdown starts after pressing the light switch to turn on the light.



The countdown stops after pressing the light switch. It continues on pressing the light switch again.



If the lamp was switched off, the last countdown setting is remembered when the main switch is switched on again.

The lamp is switched off automatically when '00:00' appears on the remaining time on the display.

The lamp switches off automatically after 60 minutes if no keys are pressed.

## TEMPERATURE CONTROL AND PROTECTION SYSTEM



Press and hold the setting button for more than 5 seconds when the UV drying lamp is switched on. The display shows the current temperature of the lamp.

The UV drying lamp has a built-in cooling system that automatically switches on when the temperature exceeds 40 °C.

When the lamp temperature reaches between 75 °C and 90 °C, the lamp does not turn off, but the buzzer comes on with an alarm every 30 seconds during the normal operating period.

The buzzer continues until '00:00' appears at the end of the countdown or stops if it is manually switched off.

When the lamp temperature exceeds 90 °C, the UV drying lamp is automatically switched off and the cooling system continues to operate until the temperature falls below 50 °C.

The lamp remains unusable until the temperature drops to 50 °C.

We recommend letting the lamp cool down for a few minutes before turning it off (after each use). This will ensure that your lamp continues to work optimally and last longer.



**ULTRASONIC RANGE FINDER FUNCTION**

The UV curing lamp has a built-in ultrasonic distance meter; range 4-400 ±3 cm.

**FFF** The display shows 'FFF' when the range is smaller than 4 cm or larger than 400 cm.

**CHARGING PROCEDURE**

- Place the corresponding plug adapter on the charger.
- Switch off the lamp and place it in the wall-mounted charging station.
- Connect the charging station to the charger
- The charging port on the handle is also available when the charging station is not available



**▣▣▣▣** There will be a digital battery indicator on display screen shows the battery level during the charging. The battery indicator will flash during charging and remain lighting up and the buzzer will alarm 3 times after the charging procedure is finished.

If the battery indicator did not light up, please remove the charger and try again. Always only use the charger recommended by to charge the lamp. The use of a NON-recommended charger can lead to a fire and destroy the light.

Charge for 4-5 hours before taking it into service for the first time. Fully charge the light before using if it is stored for more than 3 months.



### SAFETY INSTRUCTIONS

- Do not use the device if there is damage to the housing, plug or cable. Consult your local authorized specialist!
- Do not open the device! Repair work and replacing the rechargeable battery pack may only be carried out by electricians.
- Carry out cleaning tasks only when the mains plug is removed from the mains power!
- There is a risk of short-circuit. Repairs on the device may only be carried out by commissioned and trained persons. Please contact your nearest authorized branch.
- Protect the battery against heat, e. g., against continuous intense sunlight, fire, water, and moisture. Danger of explosion.
- If the battery is damaged or not used correctly. Fluids can leak from the battery. Avoid contact with these. Leaking battery fluids can lead to skin irritation or burns. Rinse off with water if you should come into contact. If the fluid gets into your eyes, make sure you get medical help.
- The lamp is not allowed to be placed on the light surface while being switched on

### ENVIRONMENTAL PROTECTION

- The device should not be discarded in the normal household waste under any circumstances. Dispose of the device via an authorized disposal center or your communal waste disposal facility. Observe the current applicable regulations. Contact your waste disposal facility in the event of any doubt.
- Dispose of all packaging materials via an environmentally friendly disposal facility. Rechargeable batteries must not be disposed of in the household waste. Return used rechargeable batteries to your dealer or hand them in to a battery collection facility.



### WARRANTY

- The device has a two years WARRANTY against faulty workmanship or materials. The guarantee does not apply to damage to the device arising through a failure to comply with the operating instructions.
- \* Subject to technical changes. We assume no liability for printing errors.