

Owner's Manual &
Safety Instructions



CURE RIGHT

UV GUN DF-CR004

PROFESSIONAL RECHARGEABLE



DENT FIX EQUIPMENT
FAMILY BRAND



! WARNING

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

The **CURE RIGHT DF-CR004** rechargeable UV Curing Gun utilizes the latest ultra high flux UV-A LED technology and is focused through custom designed optics to provide a more efficient, faster, and safer cure light. Use for all automotive repair and industrial curing needs utilizing ultraviolet light curable fillers, base coats, primers, top coats, and clear coatings.

Features :

- ♦ Up to 1 second curing time for some UV primers.
- ♦ Powerful irradiance with maximum UV-A intensity of 55,000 $\mu\text{W}/\text{cm}^2$ at 8 inches (20cm).
- ♦ Successfully tested on UV paint products by all major paint manufacturers.
- ♦ Only emits UV-A. Does not emit UV-B or UV-C.
- ♦ Efficient active built-in cooling system keeps the light cooler to maintain optimum light output during extended use.
- ♦ Efficient ultrasonic range finder function.
- ♦ Wall-Mounted charging station provides more convenient recharging process.



⚠ WARNING

1. UVA protection glasses  must always be worn when using the DF-CR004 UV Gun .
2. To prevent permanent eye injury and blindness: Do not direct light at eyes. Risk of eye injuries!
3. Do not point UV light directly at uncovered skin.
4. Do not open the device, except when removing battery for disposal/recycling.
5. Keep away from children ! This is not a toy.
6. Do not operate in direct sun light or extreme temperature conditions.
7. Inspect before every use; do not use or charge if the unit is damaged or any parts are loose.
8. Do not set light lens down on any surface. Potential burn risk.
9. 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.
10. Only use the USB charger included to charge the lamp – The use of a NON-recommended chargers can cause damage to the lamp or potentially cause a fire.
11. 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.
12. Contains Li-ion battery. Battery must be recycled or disposed of properly. Do not open, crush, heat above 140° F (60° C) or incinerate.

GENERAL SPECIFICATIONS

Light Source	High Power UV LED
LED Light Wattage	66 Watts
LED Lifetime	40,000 Hours
LED Wavelength	$\lambda_p = 395 \pm 5 \text{ nm}$
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)
Weight	2 Lbs (0.9 Kg)
Dimensions	6-1/4" x 8-3/4" x 3" (159 x 223 x 77mm)
Housing Material	Aluminum + Polyamide
Cooling System	Thermal Management System enhanced with fan
Storage Temperature	-4°F ~ 122°F (-20° C ~ +50° C)

TECHNICAL SPECIFICATIONS

Ultrasonic Range Finder	Max 160" (400cm)	
Temperature Control Function	Working $\leq 194^\circ \text{ F}$ (90° C)	
Safety Protection Function	Double click $\leq 100\text{ms}$	
Curing Distance	2" (50mm)	8" (200mm)
Curing Zone Dimensions	4" x 4" (100mm x 100mm)	8" x 8" (200mm x 200mm)
Curing Time	5~12 seconds*	30~80 seconds*
Average Irradiance	135 mW/cm ²	36 mW/cm ²
Peak Irradiance	200 mW/cm ²	55 mW/cm ²

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



UV GUN | DF-CR004 ACCESSORIES LIST

1. UV Curing Light DF-CR004
2. Plug Adapter
3. 15V1.5A Universal Charger
4. Wall-Mounted Charging Station
5. UV Protection Glasses

DF-CR004 OPERATION

General Operation

- Put the UV protection glasses  on and do not remove them until the unit is safely powered off.
- Press the Main Switch  for more than 1 second to Power ON or OFF. Press the Light Trigger Switch  to activate & deactivate the UV light.

Accidental Triggering Protection System

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

Automatic Run Time Procedure

- Press Set Button  once to set the number of desired minute(s). The minute timer will start flashing. Increase/decrease desired run time by pressing the  or  button (Max run time 10 minutes).
- Press  button again to enter the desired seconds. Seconds display will start flashing. Increase/decrease

desired run time by pressing the  or  button (Max run time 60 seconds).

- By pressing and holding the  or  button minutes/seconds are adjusted faster.
- Press  button to confirm the setting procedure or auto set after 5 seconds without adjustment.
- The countdown will start after the trigger  is pressed and light is on.
- The countdown can be manually stopped by pressing the trigger , simultaneously turning off the light. Pressing the trigger  again will resume the countdown and turn the light back on.
- The last countdown setting will be remembered when powered off using the Main Switch. 
- The light will be automatically switched off when the countdown display reads "00:00".
- The light will automatically power off after 60 minutes without operation.





TEMPERATURE CONTROL & PROTECTION SYSTEM

- Press **SET** button for more than 5 seconds when the DF-CR004 is powered on ❶. The display screen will show the current temperature of the light ❷.
- DF-CR004 has a built-in cooling system that will be automatically powered on after reaching a temperature higher than 104°F (40°C).
- Automatic active cooling system engages when light light temperature reaches a range between 167°F (75°C) to 194°F (90°C). The UV Cure Gun can be used during this active cooling, but a buzzer alarm will sound every 30 seconds until the temperature reaches below 122°F (50°C).
- The UV Gun will automatically switch off, when the light temperature is above 194°F (90°C). The active cooling system will keep running until the temperature is below 122°F (50°C).
- The light will not work until the cool down is complete.
- For longer working life and to maximize performance efficiency, the light should be allowed to cool down for few minutes after each use.

ULTRASONIC RANGE FINDER FUNCTION

DF-CR004 has a built-in ultrasonic range finder, ranging distance is 1.5" to 157±1.2" (4-400±3cm).

The display screen will show **FFF** if distance is smaller than 1.5" (4cm) or longer than 157' (400cm).

CHARGING PROCEDURE

Put the corresponding adapter onto the 15V 1.5A universal charger.

Switch the light off and put it inside the Wall-Mounted charging station. Connect the charging station with 15V 1.5A universal charger.

The charging port on the handle can also be used when the charging station is not available.



There will be a digital battery indicator  on the display screen showing the battery level during charging. The battery indicator will flash during charging. After charging is complete the battery indicator will remain solid and an alarm buzzer will sound 3 times.

When connected to charger, if the battery indicator does not light up, please remove from the charger and try again.

Always only use the charger recommended by CURE RIGHT to charge the lamp. The use of a non-recommended charger can lead to overheating or potential fire.

Charge the DF-CR004 for 4-5 hours before first use and if stored for longer than 3 months.

SAFETY INSTRUCTIONS

Do not use the device if there is damage to the housing, plug or cable.

Do not open the device ! There is a risk of short-circuit.

Repairs on the device may only be carried out by commissioned and trained person, please contact Dent Fix Equipment.

Carry out cleaning tasks only when the unit is unplugged from power!

Protect the battery against heat caused by excessive sunlight or fire. Danger of explosion.

Keep away from excessive moisture. Do not immerse in water.

If the battery is damaged or not charged correctly, dangerous fluids may leak from the battery.

Avoid contact with these fluids, they may lead to skin irritations or severe burns. If you happen to come in contact with these fluids, rinse off immediately with soap and water. Seek medical help immediately if the fluids make contact with your eyes or mouth.

Lamp lens will heat up and become hot after being on for a short period. **DO NOT TOUCH THE LAMP LENS TO ANY SURFACE AFTER BEING ON or AFTER BEING TURNED OFF UNTIL LENS IS COOLED.**

RISK OF EYE INJURY ! DO NOT direct light at eyes or permanent eye injury and blindness may occur.



ALWAYS USE UV EYE PROTECTION!

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 a battery collection facility.



WARRANTY

The device has a one year **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.

DO NOT RETURN TO POINT OF PURCHASE IF DEFECTIVE.

CONTACT DENT FIX EQUIPMENT :

Call (310) 349-1940 OR Email info@dentfix.com

* Subject to technical changes. We assume no liability for printing errors.



CURE RIGHT



**DENT FIX EQUIPMENT
FAMILY BRAND**

Dent Fix Equipment

 **(310) 349-1940**

 **www.dentfix.com**

 **info@dentfix.com**

 **Gardena, California**