

Changing the battery: Unscrew the two bottom screws on the light. Carefully remove the cap on the bottom and slide the battery out. Unclip the white connector, replace with new battery and reconnect the connector. Easily slide battery back inside the housing, replace the bottom cap, and screw in screws. Place light into plugged-in base charger for minimum of 4 hours. Battery is new, and charging-up will help battery charge last longer.

OPERATION MANUAL

the CURE Cordless II

7. MOUNTING

Two flat surface mount hangers are supplied for mounting to any surface. A handpiece hanger which can sit adjacent to high speed handpieces or three way syringe, can be ordered. For European type units *the CURE* will fit into flat surface mount receptacles.

8. CURE TIMES

A3 shades and lighter typically take 6-8 seconds to cure. Darker shades and flowables may take longer. It is recommended that dentists run their own tests, using a sharp instrument to determine if the bottom section of composit is as hard as the top.

9. LIGHT MEASUREMENT

To ensure proper curing, a radiometer should be used on a regular basis to measure the light intensity. There should be little variation over time since *the CURE* lifetime is extremely long. If the reading drops off, check to see if the lens is clear. If not, clean or replace it.

10. CLEANING / DISINFECTING

DO NOT IMMERSE IN LIQUID. Thoroughly wipe the handpiece with cleaning solution or soap and water. Disinfect by wiping down with alcohol, phenolic or glutaraldehyde disinfectants per the disinfectant manufacturer's instructions.

11. LIABILITY

Spring Health considers itself responsible for the safety and performance of the product only if installation or modifications are done by persons authorized by Spring Health, the electrical installation meets local requirements, and the equipment is used in accordance with these instructions.

Box Contents:

<u>QTY</u>	<u>DESCRIPTION</u>
1	<i>the CURE</i> Cordless II handpiece with 8mm lens
1	Charging base with power supply
2	Light shields – for eye protection
50	Sleeves – for protective barrier
1	Wrench – for changing lens
2	Flat Surface Mount Hanger
1	Operation Manual and Warranty Card

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1. DESCRIPTION

the CURE Cordless II is an LED dental curing light for the polymerization of dental composites, sealants and adhesives.

2. ERGONOMIC FEATURES

- Light weight
- Equipped with two on/off buttons. This allows you to easily control the function of the light from any position.
- Flat surface mount included. Conveniently mounts anywhere or on the dental unit.

Dimensions of Light

Overall Length: 8" or 20.3cm

Width: Grip diameter .750" or 1.9cm, base , .815" or 2.1cm

Weight: 2.75 oz or 83 gr./gm

3. SPECIFICATIONS

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|-----------------------|--|
| a) Battery | Lithium-Ion 3.7V nominal |
| b) Power Input | 5V DC Specify Country |
| c) Operation | Continuous operation with intermittent loading. "Set and forget" adjustable timer. 15 second rest period needed in between 20 second cycles if running continuously (as in orthodontic cases). |
| d) Lamp | Ultra-high output LED. Service center replacement only. Life expectancy is in excess of 5000 hours. |
| e) Output Wavelength | 440 to 465 nm |
| f) Output Intensity | High output greater than 1100 mw/cm ² |
| g) Thermal Protection | If overheating occurs, the unit will shut off for a brief time and four beeps will be heard. |
| h) Fuse | Internal to handpiece, automatic reset. |
| i) Shutoff | When digital countdown timer reaches zero, or by pressing on/off button when the light is in use. |

4. CONTRAINDICATIONS

the CURE Cordless II has a narrow peak at 470 nm and should only be used on dental formulations containing camphorquinone as the photo initiator; it is contraindicated with other photo initiators. To date the only known resins that will not cure properly with this light are: Pyramid Enamel (Bisco), Principle (Dentsply Caulk) and Den Mat (Core Build-up).

The practitioner should always perform a test outside of the mouth if in doubt.

5. SAFETY PRECAUTIONS

CAUTION: The light is provided in a non-sterile condition and must be disinfected prior to patient contact. **CAUTION:** This curing unit produces high output curing energy. A significant increase in curing energy is possible compared with equipment previously used. It is important to observe the following precautions and procedures. **CAUTION:** Do not place light directly on or towards unprotected gingiva or skin. **CAUTION:** Adjust the curing techniques in accordance with the increase in curing energy. Some examples are: decrease curing time, increase composite thickness, increase distance between the tip of the curing light and light cured materials. **CAUTION: Do not look directly at the light emitted from this curing unit.** Do not use this device without suitable protective eyewear for the operator, assistant and patient. Suitable protective eyewear blocks all energy below 550 nm. **ATTENTION:** Safety protective barrier sleeves (curing sleeves) should be changed after each patient.

6. SET UP & OPERATION

Charging Place the *CURE* Cordless II in the charging base and charge for 5 hours or until the indicator light stays green. The handpiece may be stored in the charging base to maintain the battery charge. Replace in the stand after each use.

Indicator Light: RED = Charging Blinking RED = Low Battery
Green = Charged Blinking Green = Charged
After the unit is used, the indicator light will continue to blink for a few seconds. It will then go into a sleep mode to preserve the battery.

Once the battery charge becomes low the red indicator light will blink. At this time, approximately 10 twenty-second curing cycles remain.

On Single click either on/off button.
Off Automatic shut off when the digital timer reaches zero, or single click either button to stop the cycle.

Set Timer Hold both on/off buttons down at the same time. The Digital timer will count down from 20m, 16, 12, 10, 8, 6, 4, 2 and back to 20. Release the buttons when you reach Desired time. "Set and forget" timing: the unit will hold desired time set until it is changed by the operator.

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