

DB-686-I b

USERS GUIDE

CURING LIGHT

CE

Introduction

This user's guide describes the normal properties of this curing light, and introduces the principle of the safety issues, installation, usage and maintenance.

Before the first using, please check the accessories and make sure they are all in good condition.

Packing List



Handle



Light guide rod



Charger



The base of the charger



Eye protection unit



User's guide

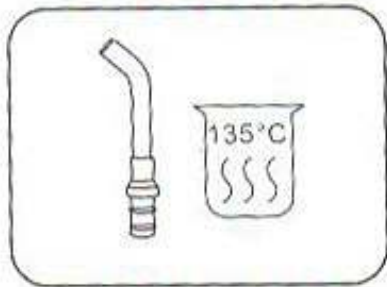
Safety Information



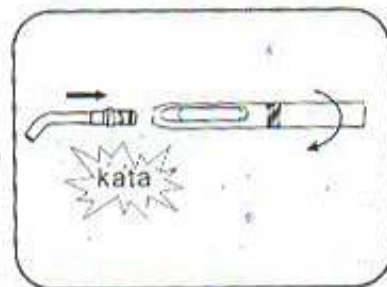
CAUTION: please read the following information completely before use this product. Our warranty is applicable only if these instructions concerning the operation and the safety of the unit have been properly applied.

- 1) This device must be used in strict accordance with the instructions contained in this user's guide. The manufacturer will not take any responsibility for damage caused by improper use.
- 2) Before connecting the base of the charger to the main power, make sure that the power voltage is accord with the charger voltage range. Improper voltage would damage the device and cause the danger to the patient and/or the operator.
- 3) Don't see the light with your eyes without protection; it's harmful to your eyes. In order to avoid the eyes getting in touch with the light directly, please assemble the eye protector.
- 4) Before using, let the device reach the room temperature. Especially, the device has been removed from a cold place to a warm place.
- 5) Never use any other battery except the original battery; otherwise it will result in severe damage. And remove the battery from the device body for long-term storage so that it does not discharge slowly and risk damage.
- 6) Don't put the device near the flammable items and don't touch the flammable liquid with this light.
- 7) To avoid the electric shock, don't insert any other parts into the device; it may cause electric shock or damage.
- 8) Please use our LED accessories, such as: light guide rod, charger, and battery. We won't take the responsibility to any problem or damage because of using other parts which not supplied by us.
- 9) Avoid the detergent go into the device, in case that causes the short circuit or problem,
- 10) It's not allowed to modify the device at any condition. Any disassembling or modification will cause the invalidation of the guarantee.
- 11) Unstable voltage and if it's in electromagnetic environment will interfere the normal operation.
- 12) Don't use the device to the patient who has heart pacemaker with him.
- 13) Don't expose the battery in lower than 5°C or higher than 30°C, and don't expose out of the humidity rang: 10%-80%.

Installation



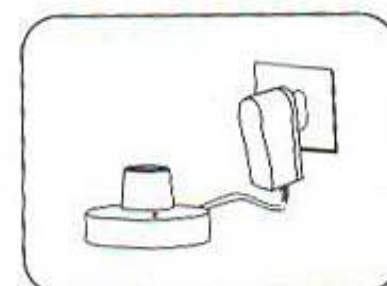
1. Before using, please sterilize the light guide rod.



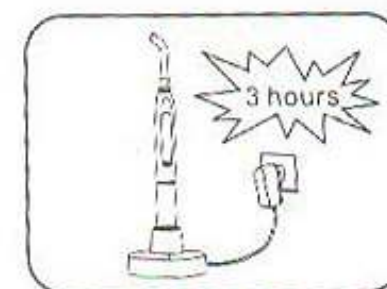
2. Screw the battery into the handle, and insert the light guide rod into the handle. As the light guide rod is in the proper position, it will emit a slight "kata" sound.



3. Insert the eye protector on to the light guide rod.



4. Put the charge base on a stable place, and connect the charger to the suitable power.

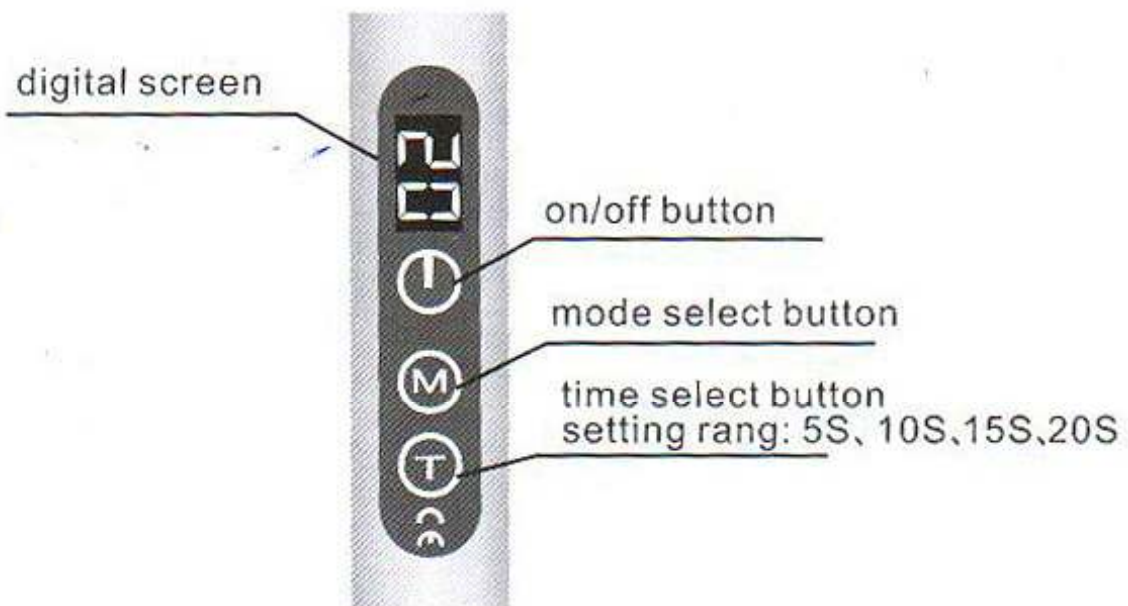


5. Put the handle into the charger base, the indicator on the charger base will indicate the status of the battery. If the indicator is red, that means the battery is being charged, when it's green, it shows it has finished the charging, a complete charging is about 3 hours.

Configuration and Function

The following description will help you to use this unit swiftly and correctly:

1) Handle



Device has 3 modes, you can choose the suit mode by press mode select button. When you press the button, the digital screen displays 01 -03, that means the different mode. (Device will memorize the mode selected and exit the mode select status by press other button or no activity for 3 seconds.)

Digital screen	Mode	Function
01	Strong	Full power
02	pulse	Flashing at fixed frequency
03	Soft up	The light grows from weak to strong gradually

Configuration and Function

2) Base

When the handle is inserted into the base the LED on the base will indicate the status of the battery



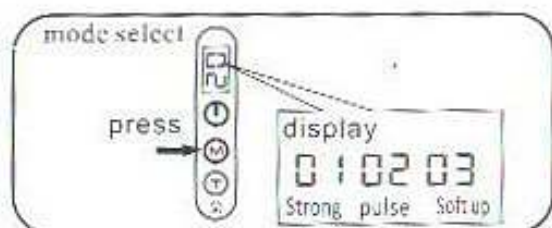
3) Low-Battery warning

When the digital screen displays $L \square$ and the beeper ring, indicating the battery is low, please recharge the battery in time.

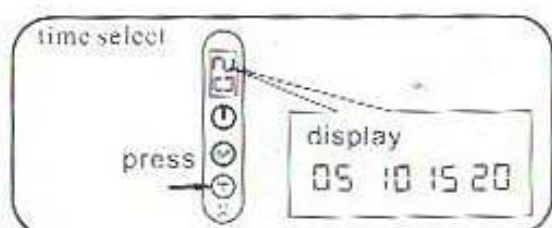
4) Automatic power off function

Device will power off automatically if no activity for 3 minutes. Press On/off button, it can be turn on again.

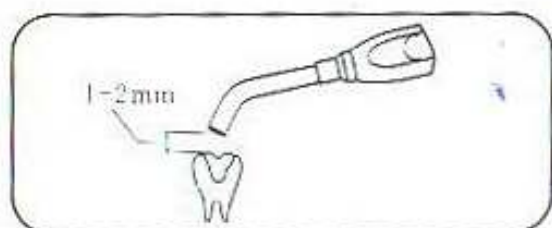
Usege Instruction



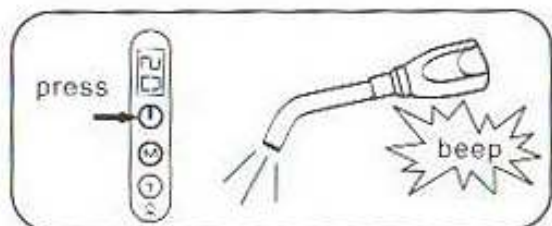
Picture 1



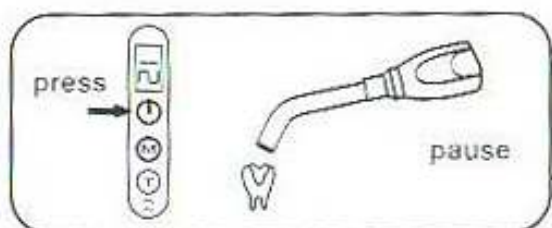
Picture 2



Picture 3



Picture 4



Picture 5

1. Please select the proper mode and time.(picture 1、 2)

2. Put the light guide rod close to the material surface, the distance from the light guide rod to the material should be 1-2mm; otherwise, it will affect the result seriously. (picture 3)

3. Press the On/off button to start working, blue light comes out and the digital screen begins countdown until 0. Every five seconds passed, beeper will notice the user.(picture 4)

4. During the operation, press the On/off button, working will stop immediately, you can cease the power any time. (picture 5)

5. After one working process finished, you can press the On/off button to the next process, but we suggest you not to use more than 10 times continuously.

6. After three minutes without any operation, the device switches to standby mode (low consumption).

Technical Index

1. Power adaptor Input: 100-240Vac 50/60Hz
 Output: DC5V/1.5VA

2. Lithium battery Voltage: 3.7V
 Capacity: 2200mAh

3. LED source Power(max) : 6W
 Wavelength: 440-480nm
 Light power : >1200mW/cm² (+10%)

4. Light guide rod Φ 11mm angle: 60°

5. Temperatures Operating: +10°C ~ +40°C
 Storage: -20°C ~ +70°C

6. Humidity Operating: 30% ~ 75%
 Storage: 10% ~ 100% including condensation

7. Atmospheric pressure Operating: 70 ~ 106KPa
 Storage: 50 ~ 106KPa

8. Protection type against electrical shock: class II(adaptor)

9. Protection against electrical shock: type B

Symbols and Definition



Class II equipment (adaptor)



Direct current



Type B equipment



Caution! Please read the instruction



Used indoor only



CE marked product