Disinfecting:

1. The plastic hand piece should not be heat sterilized, autoclaved, or immersed in any fluid. Permanent damage will occur and void the warranty.

2. The plastic hand piece may be wiped with a damp cloth and disinfected with disinfecting wipes or isopropyl alcohol. *Do not apply excessive moisture - dry immediately after cleaning.*

3. The flexible UV protective cone tip may be autoclaved.

4. The Fiber-Optic Light Rod may be removed by pulling it out of the chrome hosel - a slight twisting motion may be necessary. **DO NOT** unscrew the hosel from the plastic handle. The Fiber-Optic Light Rod may then be cleaned and sterilized in an autoclave.
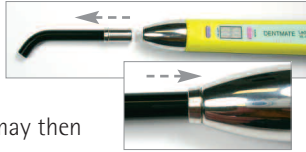
After cleaning, re-insert Fiber-Optic Light Rod into hosel and push firmly to fully seat.

5. The UV protective shield is **NOT** autoclavable - wipe clean with disinfecting wipes or isopropyl alcohol.

6. Cross-contamination covers are provided and available as disposable clean covers for the Fiber-Optic Light Rod. No loss of light intensity or wavelength will occur from use of clean covers.

Warranty:

1. The LEDEX™ curing light is covered under manufacturer's warranty for 1 year from the date of purchase.

2. The warranty covers manufacturing defects only.

3. All components of the light and charger including the battery are covered under the one year warranty.

4. Damage from operator abuse or any attempt to disassemble the light or charger voids the warranty.

Service:

Should the LEDEX™ curing light malfunction in any way, do not disassemble the hand piece or attempt to repair as this will void the warranty.

Contact **G&H® Wire Company** for repair service:

G&H® Wire Company
2165 Earlywood Drive
Franklin, IN 46131
Ph: 1-800-526-1026
Email: ghmail@ghwire.com

LEDEX™ Component Parts

Each component may be purchased separately

Ref.	Item #	Description
1.	DC010	- Hand Piece
2.	DC020	- Power Supply (U.S.)
3.	DC025	- European Power Supply Adapter
4.	DC030	- Fiber-Optic Light Rod (8mm tip diameter)
5.	DC040	- UV Protective Shield
6.	DC050	- Clean Tip Covers
7.	DC060	- User Manual
8.	DC070	- Holder
9.	DC080	- UV Protective Cone

LEDEX™
Light Kit with all components - DC100

⚠ LEDEX™ Curing Light Warnings

Do not disassemble the plastic hand piece, charger or plug.

Store the LEDEX™ curing light in a dry place. Excessive humidity, moisture or heat can damage the light and/or charger. **DO NOT** immerse the light and/or charger in any fluid as permanent damage will occur and the warranty will be otherwise voided.

Use disinfecting wipes or isopropyl alcohol to clean the unit.

Protective UV safety eyewear is recommended to be worn by operators and patients when using any curing light including LEDEX™. (For professional use only)

LED
Curing Light

Operating Instructions

LED Curing Light
› Portable and lightweight
› Easy to use
› Large display screen

High-Intensity
› 1000-1100 mw/cm^2
› 10-second bonds
› Auto timer control

Continuous Power –
Use with or without cord
› Battery life = 200+ consecutive bonds
› Hardwire plug option = Unlimited bonds
› Battery recharges in as little as 2 hours

Fiber-Optic Light Rod
› Directs and concentrates light
› Remains cool for patient comfort

DENTMATE Ledex™ WL-070

Model WL-070

LEDEX™

DENTMATE®

LEDEX™ LED Curing Light

The LEDEX™ Curing Light features high intensity LED technology in conjunction with fiber-optic technology. LEDEX™ will effectively cure all conventional orthodontic adhesives, cements and sealants.

FEATURES:

1). LEDEX is a high-intensity LED light. The intensity is 1000-1100mw/cm^2 and wavelength is 440-480 nanometers.

2). A **Fiber-Optic Light Rod** directs light effectively and remains cool. The Light Rod is sterilizable by autoclave. Other LED component parts are not autoclavable.

3). Normal recommended curing times:
   - Brackets - 10 seconds (5 seconds each from opposing sides: Mesial then Distal or Incisal then Gingival).
   - Bands - 30 seconds (Circle light around occlusal band periphery)
   - Sealant - 10 seconds

4). Battery charge time is 2-3 hours. 35 minutes or 2,100 seconds of high-intensity light exposure can be expected from a fully charged battery before recharging is necessary.

5). Hardwire plug option circumvents the battery and allows full function indefinitely. LEDEX™ may be used normally with a discharged battery when plugged into the charger.

6). Exposure time may be set on automatic cycle for 10, 20, 30 or 40 seconds.

Model WL-070

DENTMATE®

Assembly:

LEDEX™ includes everything needed with minimal assembly required.

1. **The Fiber-Optic Light Rod** - Insert the chrome end of the Light Rod into the chrome hosel on the plastic hand piece. Press firmly to insure the Light Rod is fully seated. *DO NOT unscrew or remove the chrome hosel from the hand piece.*
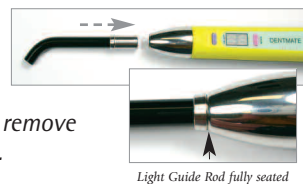
Light Guide Rod fully seated

2. Remove protective red cap on tip of Light Rod before use.

Controls:

1. The control panel includes an "On/Off" button, "Mode" button and the display screen. Press the "On/Off" button once to turn-on the unit. A beep will be audible and the display screen will show the current auto exposure cycle setting.

2. Auto exposure cycle may be set at 10-40 seconds by pressing the "Mode" button. Exposure seconds will display according to cycle setting. To change the seconds of exposure, press the "Mode" button again.

3. Press the "On/Off" button a second time to activate the light. Full intensity light is emitted immediately.

4. Light emission will cease at preset cycle time or by interrupting the cycle by pressing the "On/Off" button again.

5. LEDEX™ will deactivate and save power if not used in 3 minutes. To reactivate press the "On/Off" button.

Recommendations:

1. The UV protective cone may be applied to the tip. The cone should be adjusted so the light tip extends slightly beyond the periphery of the cone.

2. The UV protective shield may be applied to the neck of the Fiber-Optic Light Rod and adjusted to protect the operator's eyes.

3. The use of UV protective eyewear is recommended for operators and patients during curing light procedures.

Charging:

1. The LEDEX™ battery charges in 2-3 hours and has an operating life of 35 minutes (2,100 seconds) on a charge. LEDEX™ can be used normally with a discharged battery when charger cord is engaged.

2. LEDEX™ may be stored connected to the charger without damaging the battery. The battery cannot be overcharged.

3. Battery charge level can be checked by pressing the "Mode" button and holding for 5 seconds. Numeric display will designate charge remaining:
   - 4.2 or more = Full charge.
   - 3.5 - 4.1 = Charge okay for use - Recharge when possible.
   - 3.4 or less = Low charge - Engage charger cord to light base and plug into outlet.

4. To charge the Battery, first turn on the unit by pressing the "On/Off" button. The charger should be plugged into any normal 110v (U.S.) outlet (Plug adapter must be used for 220v Euro outlets) and the cord engaged to the base of the light. "CH" will flash on the display screen when charging. LEDEX™ can be used normally with charger engaged while battery is charging.

(Unit may be charged while turned off however display will not be illuminated.)

5. Display screen will show **"CH"** when battery is charging.

6. Display screen will show **"FU"** when battery is fully charged.

7. Display screen will show **"Lo"** when battery is low and should be plugged into charger.

8. Display screen will show **"Er"** when LEDEX™ has malfunctioned. Light requires service.

9. Display screen will show **"OH"** should LEDEX™ ever overheat. Unit will then shut down automatically.