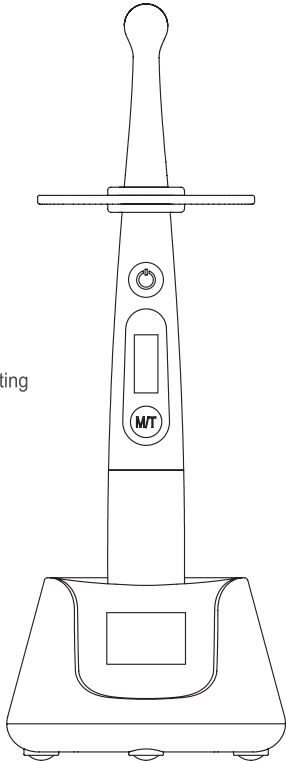


Glidewell™ Curing Light
Instruction Manual
Please read this manual before operating
ZMN-SM-1021 V1.1-20250306



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Introduction

1.1 Features:

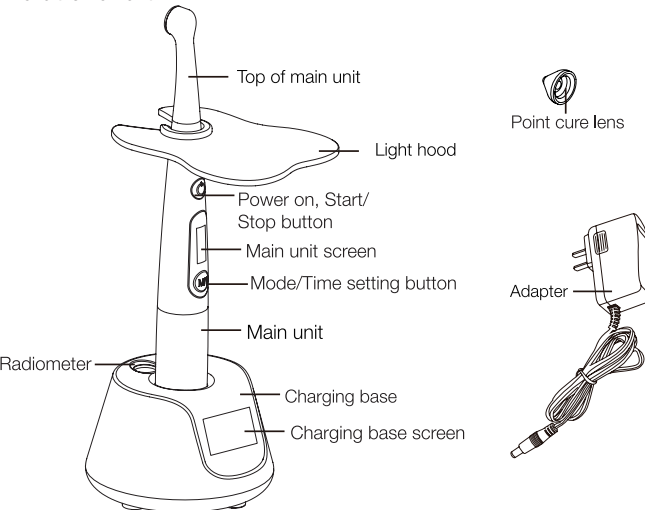
- 1.1.1 Seven working modes: Normal, High, Turbo, Ortho, Soft, Pulse and Check.
- 1.1.2 Optimally collimated beam output reduces optical loss.
- 1.1.3 Light source design ensures excellent intra-oral access.
- 1.1.4 Constant light intensity: solidification effect is affected by power depletion.
- 1.1.5 Charging base with integrated radiometer.

1.2 Principle and Application

- 1.2.1 This product uses ray radiation to quickly solidify light sensitive resin.
- 1.2.2 This product is designed for dental use and accelerates the curing of dental restoration materials.
- 1.2.3 Check Mode uses violet light to detect caries or plaque through fluorescence.
- 1.2.4 The user must be a professionally trained and qualified dentist.

2. Product Performance Structure and Components

The curing light is composed of LED, light hood, charging base, battery, adapter, and the main unit.



3. Basic Technical Specifications

3.1 Size of main unit: 23mm×23mm×204mm

3.2 Net weight of main unit: 108g

3.3 Applied parts of the equipment: Top of main unit, Point cure lens

3.4 Duty cycle of the equipment: 20 Sec on/20 Sec off

3.5 The components of machine(Packing list):

- | | | |
|--------------------------|---------------------------|-----------------------------|
| 1. Main unit *1 | 2. Top of main unit *1 | 3. Light hood *1 |
| 4. Instruction manual *1 | 5. Adapter *1 | 6. Charging base *1 |
| 7. Point cure lens *1 | 8. Disposable sleeve *100 | 9. Qualified certificate *1 |

3.6 Adapter:

- 3.6.1classified by power supply
The power supply by the rechargeable battery.
- 3.6.2 Rechargeable Lithium battery:
Battery model:18500, Battery capacity: 2000mAh
Battery features over-voltage, over current and short circuit protection
- 3.6.3 Adapter(charge)
Input: 100-240V~ 50/60Hz 0.4A Max.
Output: 5.0V === 1A
The adapter must conform to IEC 60601-1 and IEC 60601-1-2.

3.7 Light source:

- 3.7.1 10W high power
- 3.7.2 Emitted Wavelength Range: 380nm-515nm
- 3.7.3 Typical wavelength peaks: 460±15nm and 400±15nm
- 3.7.4 Class: 2
- 3.7.5 AEL: 3.9×10⁻³J
- 3.7.6 Check that the machine is properly operating by ensuring the LED light is luminous.
- 3.7.7 The curing light machine's wavelength is compatible with commonly used dental resins such as 3M and Dentsply.
- 3.7.8 Radiation wavelength range of 380 nm to 515 nm (blue light) with intensity no less than 250 mw/cm².
- 3.7.9 Work condition:
Environment temperature: +5°C to +40°C
Relative humidity: 30%~75%
Atmosphere pressure: 70kPa to 106kPa
- 3.7.10 Irradiance tolerance range: ±10%

3.8 Safety classification

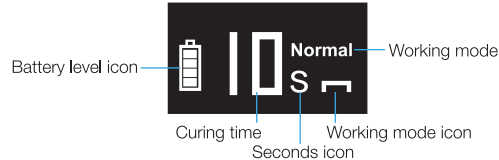
- 3.8.1 Protection type against electrical shock: Class II
- 3.8.2 Protection degree against electrical shock: Type B
- 3.8.3 Protection against harmful ingress of water or particular matter: ordinary equipment (IPX0). Not waterproof.
- 3.8.4 Operation mode: short run time equipment.
- 3.8.5 Safety with flammable anesthetic mixtures (air, oxygen or nitrous oxide): Not suitable for use.

4. Installation

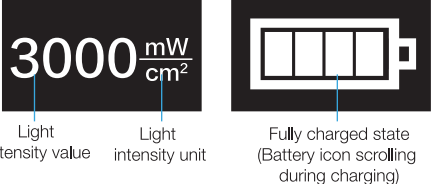
- 4.1 Align the mounting holes at the top of the main unit. Insert the long side of the unit's top into place. Ensure that the top is screwed in fully, without tilting. The top of main unit can rotate 360 degrees.
- 4.2 Take out the disposable sleeve and place on the main unit.
- ⚠ **WARNING:** The disposable sleeves are single patient use only. Discard used sleeves in standard waste after each patient.
- 4.3 Clip the notch of the light hood into the head of the top of main unit. Clamp the light hood down on the main unit.
- 4.4 Charge by connecting the power adapter to an AC100V-240V power supply and plug the adapter's output into the “DC 5.0V” charging jack on the charging base. The main unit can be wirelessly charged by placing it onto the charging base. When charging is complete or is not required, unplug the power adapter .

5. Operation

5.1 Main unit screen display

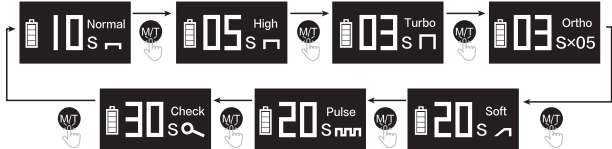


5.2 Charging base screen display



5.3 Working mode setting

Press and release “M/T” button:



Schematic diagram of working mode setting interface

Press and release the “M/T” button to select the working mode. Seven working modes can be selected: Normal, High, Turbo, Ortho, Soft, Pulse and Check. The curing time will automatically adjust when switching modes.

5.4 Curing time setting

Long press “M/T” button:



Schematic diagram of curing time setting interface

Press and hold the “M/T” button to change the curing time. Different working modes have different curing times.

5.5 Quick mode guide

Mode	Curing Time(seconds)	Light intensity(mW/cm²)
Normal	5, 10, 15, 20	1000-1200
High	3, 5	1800-2000
Turbo	1, 3	2700-3000
Ortho	3*5, 3*10	2700-3000
Soft	5, 10, 15, 20	1000-1200
Pulse	5, 10, 15, 20	1000-1200
Check	30, 60	/
Working mode setting	Press and release “M/T” button quickly to cycle to next working mode.	
Curing time setting	Press and hold “M/T” button for 1 second and release. Curing light will cycle to next curing time.	

5.6 Quick Curing Guide: Recommended Curing Times for Optimal Results
Exposure times may need to be adjusted due to composite reactivity, shade, distance between the light lens and composite, and if the composite layer exceeds 2mm in depth.

Mode	Normal, Soft, Pulse	High	Turbo	Ortho
Per 2mm Layer	1×10 Seconds	2×3 Seconds	1×3 Seconds	/
Final Cure	2×10 Seconds	2×3 Seconds	2×3 Seconds	/
Ortho Metal & Ceramic Brackets	/	2×5 Seconds	2×3 Seconds	2×3 seconds

Curing Light Warranty Card

Name of Customer		(I) For Customer
Address Details		
Postal Code		
Tel		
Model		
Product No.		
Purchase Date		
Contact Person		
Date	Maintenance Record	Repairer

Manufactured For Prismatik Dentalcraft, Inc.
Address: 2144 Michelson Drive
Irvine, CA 92612 USA
E-mail: mail@glidewelldirect.com
Website: https://glidewelldirect.com/
U.S.: 888-303-3975

Distributor:	
Seal	

Curing Light Warranty Card

Name of Customer		(II) For Distributor
Address Details		
Postal Code		
Tel		
Model		
Product No.		
Purchase Date		
Contact Person		
Date	Maintenance Record	Repairer

Manufactured For Prismatik Dentalcraft, Inc.
Address: 2144 Michelson Drive
Irvine, CA 92612 USA
E-mail: mail@glidewelldirect.com
Website: https://glidewelldirect.com/
U.S.: 888-303-3975

Distributor:	
Seal	

5.7 Use Point Cure Lens: The magnetic point cure lens provides precise curing of small composites and is ideal for tack curing veneers and porcelain crowns.

For veneers, select Turbo Mode with a 1-second curing time to point cure the center of the veneer. Clean the uncured excess around the margins. Cure the entire restoration with the full sized curing lens.
For porcelain crowns, place the curing light on the buccal and lingual surfaces. Point cure each for approximately 2 seconds using Turbo Mode. Clean any uncured resin around the margins. Cure the entire restoration with the full sized lens.

5.8 Caries detection using Check Mode

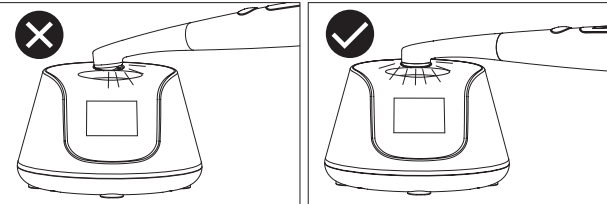
Select Check Mode. When the purple light is applied to caries or dental plaque, an orange red fluorescence reaction occurs, allowing for detection of surface caries or dental plaque.

WARNING: Check Mode is prohibited for curing resin-based materials.

5.9 Measuring the light intensity

The integrated radiometer allows the light intensity (mW/cm²) to be measured easily and quickly while the charging base is connected.

To measure the light intensity, place the tip of the top of main unit (without disposable sleeve) into the marked recess on the upper side of the charging base. Activate the light and read the displayed value. Accuracy is within ±10%.



CAUTION: Placing the main unit's tip obliquely when measuring light intensity will cause deviation. The integrated radiometer is calibrated for a 10mm light source diameter. Using a different diameter (e.g., 8mm) will result in noticeable differences. Because different manufacturers have varying standards, this device is recommended for measuring only the original curing light. Using it with other lights may yield inaccurate results.

5.10 When operating, attach the disposable sleeve on the main unit. Secure the light hood by clipping the notch into the top of the main unit. Clamp the light hood down onto the main unit. Position the top of the main unit in the desired orientation and press the power button. A confirmation noise will indicate activation. The curing light will emit a blue light and operate in the selected mode. The screen will display the countdown timer. When the countdown reaches zero, the process is complete and the screen will revert to preset time.

5.11 Press the power switch button at any time to stop the operation, if necessary.
5.12 At the end of a working cycle, you can start the next one immediately by pressing the button briefly. If the main unit becomes noticeably hot, turn off the device and allow to cool before continuing. Do not operate the device for more than 10 consecutive cycles.

5.13 Charge the device regularly. The main unit is equipped with a low power detection circuit. When battery is low, the screen will display "Low Battery!" with an empty battery icon.

5.14 To charge, connect the adapter to the charging base. Place the main unit into the charging cradle for wireless inductive charging. The battery icon on the charging base screen will scroll to indicate charging. Charging is complete when scrolling stops and the battery icon shows a full charge.

5.15 After operation, clean the top of the main unit with calico to prevent contamination that could affect light intensity.

5.16 The device will automatically turn off after 2 minutes of inactivity. Press the power button to turn it back on.

5.17 This device's light intensity is significantly higher than that of a halogen lamp. It can effectively cure composite resin to a depth of at least 4mm in 10 seconds.

WARNING:

Always wear a disposable sleeve before using the equipment on the patient. The sleeve is sterilized with ethylene oxide and remains sterile if the package is unopened. Do not use if seal is damaged.

6. Precaution

6.1 Recharge the battery at least 4 hours prior to first time use.
6.2 The adapter plug isolates the device from the power supply. When charging, position the device for easy access to the disconnection switch.
6.3 High intensity lights can generate heat. Prolonged exposure to areas near the pulp and soft tissues may result in irreversible damage. This high performance curing light should only be operated by trained professionals.
6.4 Do not expose soft oral tissues at close proximity for longer than 10 seconds in any mode. If longer curing time is required, use multiple shorter curing cycles to prevent overheating of soft tissue, or opt for a dual-cure product.
6.5 If the light emission window cannot be optimally aligned with the composite restoration, use a conventional method. If soft tissue exposure to the curing light cannot be avoided, do not use High Mode and Turbo Mode, as exposure may damage soft tissues.

6.6 Never aim the light directly at unprotected soft tissues, as this may cause injury or irritation. Do not aim the light at eyes. Light reflected from the tooth surface may also injure eyes. Always use the eye protection light hood provided with the unit or suitable, light filtering safety glasses. The curing light is classified as a Risk Group 2 device according to IEC 62471.
6.7 Do not use Check Mode curing resin-based materials.
6.8 During operation, the light should be aimed straight at the resin to ensure solidification.

6.9 Use the original light hood to prevent blue light from damaging the eyes. Avoid directly aiming at eyes.

6.10 Only use the adapter provided. Other brand adapters are likely to damage the circuit.

6.11 Metal or other conductors must avoid contact with the Main Unit charging point to prevent the lithium from short circuiting and avoid internal circuit damage.

6.12 Charge the battery only when cool and ventilated. Ensure no foreign object are between the main unit and the pedestal. Poor contact with the main unit may prevent charging.

6.13 Do not disassemble the lithium battery. It may lead to short circuiting or electrolyte leakage.

6.14 Do not squeeze, shake and short the battery. Do not store the battery with metal material.

6.15 This device may cause electromagnetic interference. Avoid use near electronic equipment or in environments with strong electromagnetic fields. Be cautious during use.

6.16 Do not use when charging.

6.17 This product is for use only by trained, qualified dentists in a hospital or professional medical site for dental patients.

6.18 The device should be installed in medical site that meets EMC requirements to minimize electromagnetic interference.

WARNING: The adapter should be connected to a socket easily accessible to the operator.

WARNING: Overheating Risk: The equipment has a duty cycle of 20 seconds on and 20 seconds off. Continuous operation for 40 seconds may cause the top of the main unit to reach 56°C.

WARNING: Do not use parts of the ME equipment that are not serviced or maintained when treating the patient.

6.19 If the patient's soft components are irradiated during use, it is recommended to switch the light output mode of the device from conventional constant bright light to a stroboscopic light. Stroboscopic lights can effectively reduce the temperature of the patient's irradiated part and meet the resin curing requirements. The switching method is as follows: In the hibernation shutdown state, hold the "M/T" key and press the "⏻" key to power on. The selection screen will be displayed. Heat is displayed in white on a black background in the first line, and "STD" and "Less" are displayed in white on a black background in the second line. If "STD" is displayed in black on a white background and "Less" is displayed in white on a black background, the current mode is constant bright. Press "M/T" to switch between the two modes. After selecting the two modes, press "⏻" to confirm and enter the standby screen.

7. Cleaning, Disinfection and Sterilization

The cleaning, disinfection and sterilization of point cure lens is as follows.

Unless otherwise stated, point cure lens will be referred to as "product".

Warnings

Use of strong detergent and disinfectant (alkaline pH>9 or acid pH <5) will shorten the product lifespan. The manufacturer is not responsible for the damage caused by these substances.

Do not expose the product to high temperatures above 138°C. Processing limit:

The product is designed to withstand a large number of sterilization cycles, with materials chosen for durability. However, repeated sterilization may cause aging due to thermal and chemical stresses. The maximum recommended number of sterilizations for point cure lens is 500 cycles.

7.1 Initial processing

7.1.1 Processing principles

Sterilize after cleaning and disinfecting. Only validated equipment and product-specific procedures should be used for cleaning/disinfecting and sterilization to maintain product sterility. Always adhere to the validated parameters during each cycle.

Check any applicable legal requirements in your country as well as the hygiene regulations of the hospital or clinic, especially with regard to the additional requirements for the inactivation of prions.

7.1.2 Post-operative treatment

Post-operative treatment should be performed immediately, and no later than 30 minutes after the completing the operation. The steps are as follows:

1. Remove the point cure lens from the curing light device. Rinse the product surface to remove any dirt using pure water, distilled water, or deionized water.
2. Dry the product with a clean, soft cloth and place it in a clean tray.

Notes

a) The water used must be pure water, distilled water or deionized water.

7.2 Preparation before cleaning

Steps:

Tools: tray, soft brush, clean and dry soft cloth

Remove point cure lens from main unit and put it into the clean tray.

Use a clean, soft brush to carefully brush the point cure lens until the dirt on surface is not visible. Then use soft cloth to dry the point cure lens and place it into a clean tray. The cleaning agent can be pure, distilled, or deionized water.

7.3 Cleaning

Clean no later than 24 hours after the operation.

The cleaning can be done through automated cleaning and manual cleaning. Automated cleaning is preferred if conditions permit.

7.3.1 Automated cleaning

• The cleaner has been validated by CE certification in accordance with EN ISO 15883.

• There should be a flushing connector connected to the inner cavity of the product.

• The cleaning procedure is suitable for the product, with sufficient irrigation time.

Use a washer-disinfector that complies with EN ISO 15883. Refer to Section 7.4 for the procedure.

Notes

a) The cleaning agent does not have to be pure water. Distilled water, deionized water, or multi-enzyme solutions are acceptable. Ensure that the selected cleaning agent is compatible with the product.

b) The water temperature should not exceed 45 °C when washing. Temperatures above 45 °C will result in protein solidifying, making removal difficult. The chemical residue should be less than 10mg / L after cleaning.

7.4 Disinfection

Disinfect no later than 2 hours after cleaning.

Automated disinfection is preferred if conditions permit.

7.4.1 Automated disinfection-Washer-disinfector

- The washer-disinfector must be CE certified in accordance with EN ISO 15883.
- Use high temperature disinfection function. The temperature cannot exceed 134 °C, and the disinfection time cannot not exceed 20 minutes.
- The disinfection cycle must comply with EN ISO 15883.

Cleaning and disinfecting steps using Washer-disinfector:

1. Carefully place the product into the disinfection basket. Fix the product only if removable from the device. Ensure that the products do not come into contact with each other.

2. Use a suitable rinsing adaptor, and connect the internal water lines to the rinsing connection of the washer-disinfector.

3. Start the program.

4. After the program is finished, remove the product from the washer-disinfector, inspect (refer to "Inspection and Maintenance" Section) and package (refer to "Packaging" Section). Dry the product as needed (refer to "Drying" Section).

Notes

a) Before use, read the operating instructions for the disinfection process and precautions as provided by the equipment manufacturer .

b) Cleaning, disinfection and drying must be carried out together.

c) Cleaning: (c1) The cleaning procedure should be suitable for the product to be treat- ed. The flushing period should be sufficient (5-10 minutes). Pre-wash for 3 minutes, wash for 5 minutes, and rinse twice for 1 minute each time. (c2) In the washing stage, the water temperature should not exceed 45 °C, otherwise the protein will solidify and become difficult to remove. (c3) The solution used can be pure water, distilled water, deionized water, multi-enzyme solution, etc. Only use freshly prepared solutions. (c4) Follow the concentration and time guidelines provided by the manufacturer when using cleaner. The cleaner used is Neodisher MediZym (Dr. Weigert).

d) Disinfection: (d1) Direct use after disinfection: temperature ≥ 90 °C, time ≥ 5 min or A0 ≥ 3000.

(d2) Sterilize after disinfection and use: temperature ≥ 90 °C, time ≥ 1 min or A0 ≥ 600.

(d3) Specific disinfection parameters: temperature = 93 °C, time = 2.5 min, and A0>3000.

e) Only distilled or deionized water with a small amount of microorganisms (<10 cfu/

m) should be used for all rinsing steps. (e.g., pure water that is in accordance with the European Pharmacopoeia or the United States Pharmacopoeia).

f) After cleaning, the chemical residue should be less than 10mg / L.

g) Use HEPA-filtered air for drying.

Regularly repair and inspect the disinfecter.

7.5 Drying

If the cleaning and disinfecting process includes an automatic drying function, manually dry the product before starting the process.

Methods

1. Spread a clean white paper (white cloth) on a flat surface and position the product over it. Dry the product with filtered, dry, compressed air (maximum pressure: 3 bar). Continue drying until no liquid is sprayed onto the white paper/cloth.
2. Alternatively, dry the product in a medical drying cabinet (or oven) at 80°C~120°C for 15~40 minutes.

Notes

- a) Dry product in a clean environment.
 - b) Drying temperature must not exceed 138 °C.
- Regularly inspect and maintain the equipment used for drying.

7.6 Inspection and maintenance

This section covers the inspection of the product's appearance. If no issues are found during inspection, the point cure lens may be used.

- 7.6.1 If there are any visible stains remaining on the product after cleaning/disinfecting, repeat the cleaning/disinfecting process until there are no stains.
- 7.6.2 Do not continue use if the product is appears to be damaged, smashed, detached, corroded or bent. Dispose of the product.
- 7.6.3 If any accessories are found to be damaged, replace before use. Replacement accessories must be cleaned, disinfected, and dried.
- 7.6.4 If the product reaches its specified service life (number of uses), replace it before use.

7.7 Packaging

Install the disinfected and dried product. Quickly package it in a medical sterilization bag (or special holder, sterile box).

Notes

- a) The packaging used must conform to ISO 11607 standards.
- b) The packaging must withstand temperatures up to 138°C and allow for sufficient steam permeability.
- c) The packaging environment and related tools should be cleaned regularly to maintain cleanliness and prevent contamination.
- d) Avoid contact between different metal parts during packaging.

7.8 Sterilization

Only the following fractional pre-vacuum steam sterilization procedures (fractional pre-vacuum procedure*) are approved for use. Other sterilization procedures are prohibited:

1. The steam sterilizer must conform to EN 13060 or be certified according to EN

285 to conform with EN ISO 17665.

2. The maximum sterilization temperature is 138 °C.
3. The sterilization time must be at least 4 minutes at 132°C/134°C and a pressure range of 2.0 bar ~ 2.3 bars.
4. Allow a maximum sterilization time of 20 minutes at 134 °C.

The product's suitability for effective steam sterilization has been verified by an accredited testing laboratory.

Notes

- a) Only sterilize products that have been effectively cleaned and disinfected.
- b) Read the Instruction Manual provided by the equipment manufacture before sterilizing.
- c) Do not use hot air sterilization and radiation sterilization. This may damage the product.
- d) Only follow the recommended procedures for sterilization. It is not recommended to sterilize with other procedures such as ethylene oxide, formaldehyde, and low temperature plasma sterilization. The manufacturer assumes no responsibility for the procedures that have not been recommended.

If you use the sterilization procedures that have not been recommended, please adhere to related effective standards and verify the suitability and effectiveness.

* Fractional pre-vacuum procedure = steam sterilization with repetitive pre-vacuum. The procedure used here is to perform steam sterilization through three pre-vacuums.

7.9 Storage

7.9.1 Store in a clean, dry, ventilated, non-corrosive atmosphere with a relative humidity of 10% to 93%, an atmospheric pressure of 70kPa to 106kPa, and a temperature of -20°C to +55°C.

After sterilization, package the product in a medical sterilization bag or clean sealing container. Store in a special storage cabinet for no longer than 7 days. If it is stored for over 7 days, reprocess the product before use.

Notes:

- a) The storage environment should be clean and must be disinfected regularly;
- b) Product storage must be batched, marked, and recorded.

7.10 Transportation

1. Prevent excessive shock and vibration during transportation, and handle with care.
 2. Do not be mixed with dangerous goods during transportation.
 3. Avoid exposure to sun or rain or snow during transportation.
- Clean and disinfect the main unit following the steps below:
- Before each use, wipe the machine surface with a soft cloth or paper towel soaked in 75% medical alcohol. Repeat at least 3 times.
 - After each use, wipe the surface of the device with a soft cloth soaked in clean water (distilled or deionized water) or a clean disposable wipe. Repeat at least 3 times.

8. Contraindication

8.1 The curing light is contraindicated for patients prone to photobiological reactions (including patients with solar urticaria or erythropoietic protoporphyria) and those undergoing treatment with photosensitizing pharmaceuticals.

8.2 Use curing light with caution in patients with heart disease, pregnant women, and children.

9. Daily Maintenance

9.1 The disposable sleeve prevents cross contamination and prevents dental composite material from adhering to the lens and main unit.

9.2 Cleaning the housing: wipe surface with a cloth lightly moistened with 70-80% ethanol for disinfection. Do not clean with harsh disinfecting solutions (e.g. those containing orange oil or greater than 40% ethanol), solvents (e.g. acetone), or pointed instruments, which may damage or scratch the surfaces.

9.3 Routinely check the lens for cured dental resins. If necessary, use a non-diamond dental instrument to remove any adhered resin.

9.4 This equipment does not include the self-maintainable spare parts. The maintenance of this equipment should be taken by the appointed professional or special repair shop.

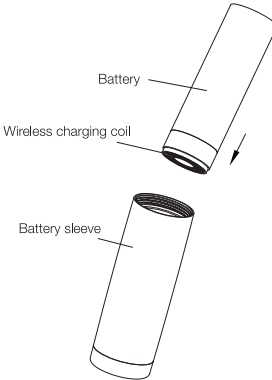
9.5 Only use accessories designed by the manufacturer. Contact your local dealer or the manufacturer to purchase. Using accessories from other manufacturers may pose potential risks to the curing light or cause other damage

9.6 Accessories should be cleaned with clean water or sterilized liquid. Do not soak.

9.7 Clean any resin that remains on the main unit surface after use to prevent shortened lifespan or solidification.

9.8 If the main unit not used for extended periods, charge the lithium every six months to prevent damage from long-term storage.

9.9 To replace the lithium battery, unscrew the battery sleeve counterclockwise to remove the battery. Insert the wireless charging coil end of the new battery sleeve (as shown in the figure below) and push the battery into place. Tighten the battery sleeve clockwise.



10. Troubleshooting

Lssue	Possible causes	Solutions
No Display. No response.	1. Battery is out of power. 2. Battery is protected. 3. Faulty battery.	1. Charging. 2. Place curing light on the pedestal for charging, then the battery works again. 3. Contact an authorized repair shop or manufacturer for assistance.
The main unit can't be charged.	1. The adapter is not properly connected. 2. The charging point is contaminated. 3. Using the wrong adapter 4. Faulty adapter	1. Reconnect the adapter. 2. Clean with the alcohol. 3. Use the original adapter. 4. Contact an authorized repair shop or manufacturer for assistance.
Main unit screen displays "Low battery!"	Battery is out of power.	Charging.

Main unit screen displays "LED Error!"	LED source of top of main unit is broken.	Replace the top of main unit with a new one. Contact an authorized repair shop or manufacturer for a replacement.
Light intensity is weak.	1. There is resin on the lens of top of main unit. 2. Lens damage.	1. Clean the resin. 2. Replace the lens assembly. Contact an authorized repair shop or manufacturer for a replacement.
Effective duration of the battery become short.	Battery capacity has decreased.	Replace the battery. Contact an authorized repair shop or manufacturer for a replacement.

If the above solutions have been applied and the machine still does not function properly, contact an authorized repair shop or reach out the manufacturer.

11. Storage and Transportation

- 11.1 Handle with care. Keep away from vibration or shock. Store or install in a shaded, dry, cool, and well-ventilated area.
- 11.2 Do not store with combustible, poisonous, caustic, or explosive materials.
- 11.3 This equipment should be stored in an environment where the humidity is 10%~93%, the atmosphere pressure is 70kPa~106kPa, and the temperature is -20°C~+55°C.
- 11.4 Handle with care. Avoid excessive impact or shaking during transportation.
- 11.5 Do not transport equipment with dangerous materials..
- 11.6 Keep away from the sun, rain, and snow during transportation.

12. After Service

The equipment is covered by warranty from the date of sale. Refer to the warranty card for the coverage period. If quality issues arise, repairs will be provided free of charge as specified in the terms of the warranty card.

13. Environmental Protection

There are no harmful factors in the product. Dispose in accordance with local regulations.

14. Symbol Instruction



Check the random file



Power on, Start/Stop button



Type B applied part



Ordinary equipment



Date of manufacture



Manufacturer



Class II equipment



Used indoor only



Follow Instructions for Use



Appliance compliance WEEE directive



Atmospheric pressure for storage



Temperature limitation for storage



Humidity limitation for storage



Optical radiation



Mode / Time setting button, short press adjustment working mode, long press adjustment curing time

15. EMC - Declaration of Conformity

The device has been tested and approved to conform EN 60601-1-2 for EMC. This does not guarantee immunity to electromagnetic interference. Avoid using the device in high electromagnetic environments.

Guidance and manufacturer's declaration - electromagnetic emissions		
The device is intended for use in the electromagnetic environment specified below. The customer or the user of the device should assure that it is used in such an environment.		
Emissions test	Compliance	Electromagnetic environment - guidance
RF emissions CISPR 11	Group 1	The device use RF energy only for internal function. The RF emissions are minimal and are unlikely to cause interference in nearby electronic equipment.
RF emissions CISPR11	Class B	
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations/flicker emissions IEC 61000-3-3	Complies	

Guidance & Declaration — electromagnetic immunity			
The device is intended for use in the electromagnetic environment described below. The customer or user of the device is responsible for ensuring it is used in this environment.			
Immunity Test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environment - Guidance
Electrostatic discharge (ESD) IEC 61000-4-2	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air	Floors should be wood, concrete, or ceramic tile. Relative humidity should be at least 30% if the floor is covered with synthetic material.
Electrical fast transient/burst IEC 61000-4-4	±2kV for power supply lines ±1 kV for Input/output lines	±2kV for power supply lines ±1kV for interconnecting cable	Mains power quality conform to the standards typically found in commercial or hospital environments.
Surge IEC 61000-4-5	±1 kV line to line ±2 kV line to earth	±1 kV line to line	Mains power quality conform to the standards typically found in commercial or hospital environments.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11.	<5 % U _T (>95% dip in U _T) for 0.5 cycle 40 % U _T (60% dip in U _T) for 5 cycles 70% U _T (30% dip in U _T) for 25 cycles <5% U _T (>95 % dip in U _T) for 5 sec	<5 % U _T (>95% dip in U _T) for 0.5 cycle 40 % U _T (60% dip in U _T) for 5 cycles 70% U _T (30% dip in U _T) for 25 cycles <5% U _T (>95 % dip in U _T) for 5 sec	Mains power quality should be that of a typical commercial or hospital environment. If continuous operation is required during power interruption, it is recommender to power the device with an uninterruptible power supply or battery.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	30A/m	30A/m	Power frequency magnetic fields should be at levels typical of commercial or hospital environment.
NOTE U _T is the a.c. mains voltage prior to application of the test level.			

Guidance & Declaration - Electromagnetic immunity			
The device is intended for use in the electromagnetic environment described below. The customer or user of the device is responsible for ensuring it is used in this environment.			
Immunity Test	IEC 60601 Test level	Compliance Level	Electromagnetic environment - Guidance
Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz	3 Vrms 150 kHz to 80 MHz	Keep portable and mobile RF communications equipment at at the recommended separation distance from all device components(including cables) based on the transmitter's frequency. Recommended separation distance: d=[3,5/V ^{1/2}] $\times$ P ^{1/2} d=1.2 $\times$ P ^{1/2} 80 MHz to 800 MHz d=2.3 $\times$ P ^{1/2} 800 MHz to 2.5 GHz “P” is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer. “d” is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, ^a should be less than the compliance level in each frequency range. ^b Interference may occur in the vicinity of equipment marked with the following symbol: 
	6 Vrms in ISM bands	6 Vrms in ISM bands	
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.7 GHz	3 V/m 80 MHz to 2.7 GHz	d=1.2 $\times$ P ^{1/2} 80 MHz to 800 MHz d=2.3 $\times$ P ^{1/2} 800 MHz to 2.5 GHz “P” is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer. “d” is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, ^a should be less than the compliance level in each frequency range. ^b Interference may occur in the vicinity of equipment marked with the following symbol: 
	385MHz-5785MHz Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communication equipment (Refer to table 9 of IEC 60601-1-2:2014)	385MHz-5785MHz Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communication equipment (Refer to table 9 of IEC 60601-1-2:2014)	
NOTE 1 Higher frequencies range between 80 MHz and 800 MHz. NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects, and people.			

Guidance & Declaration - Electromagnetic immunity			
The device is intended for use in the electromagnetic environment described below. The customer or user of the device is responsible for ensuring it is used in this environment.			
Immunity Test	IEC 60601 Test level	Compliance Level	Electromagnetic environment - Guidance
Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz	3 Vrms 150 kHz to 80 MHz	Keep portable and mobile RF communications equipment at at the recommended separation distance from all device components(including cables) based on the transmitter's frequency. Recommended separation distance: $d=[3,5/V^{1/2}]\times P^{1/2}$ $d=1.2\times P^{1/2}$ 80 MHz to 800 MHz $d=2.3\times P^{1/2}$ 800 MHz to 2.5 GHz “P” is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer. “d” is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, ^a should be less than the compliance level in each frequency range. ^b Interference may occur in the vicinity of equipment marked with the following symbol:
	6 Vrms in ISM bands	6 Vrms in ISM bands	
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.7 GHz	3 V/m 80 MHz to 2.7 GHz	d=1.2×P ^{1/2} 80 MHz to 800 MHz d=2.3×P ^{1/2} 800 MHz to 2.5 GHz “P” is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer. “d” is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, ^a should be less than the compliance level in each frequency range. ^b Interference may occur in the vicinity of equipment marked with the following symbol:
	385MHz-5785MHz Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communication equipment (Refer to table 9 of IEC 60601-1-2:2014)	385MHz-5785MHz Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communication equipment (Refer to table 9 of IEC 60601-1-2:2014)	
NOTE 1 Higher frequencies range between 80 MHz and 800 MHz. NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects, and people.			

16. Statement

All rights of modifying the product are reserved to the manufacturer without further notice. The pictures are only for reference. The industrial design, inner structure, etc, have claimed for several parents by manufacture, any copy or fake product must take legal responsibilities.



Manufactured For Prismatik Dentalcraft, Inc.
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Irvine, CA 92612 USA
E-mail: mail@glidewelldirect.com
Website: https://glidewelldirect.com/
U.S.: 888-303-3975

Warranty Instruction	Warranty Instruction
I Period validity: Two years on the device, one year on the battery, excluding the light guide and light hood.	I Period validity: Two years on the device, one year on the battery, excluding the light guide and light hood.
II Range of warranty: Within the warranty period of validity, we are responsible for any troubles caused by quality problems or products technique and structure.	II Range of warranty: Within the warranty period of validity, we are responsible for any troubles caused by quality problems or products technique and structure.
III The following are beyond our warranty: 1. The damage caused by disobeying the operation instruction or lack of the needed condition. 2. The damage caused by unsuitable operation or disassembly without authorization. 3. The damage caused by unadvisable transportation or preservation. 4. There isn't the seal of distributor or the warranty card isn't filled in completed. 5. The warranty is not including optical fiber and light hood.	III The following are beyond our warranty: 1. The damage caused by disobeying the operation instruction or lack of the needed condition. 2. The damage caused by unsuitable operation or disassembly without authorization. 3. The damage caused by unadvisable transportation or preservation. 4. There isn't the seal of distributor or the warranty card isn't filled in completed. 5. The warranty is not including optical fiber and light hood.