



photon therapy, inc.
Lumen

PRODUCT MANUAL

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These devices fall under FDA classification (RT)890.5740 and became exempt from the 510(k) requirement in 1997 because of their safety.

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BEFORE YOU BEGIN

- Review the PARTS checklist to make sure your order is complete.
- Read and understand the IMPORTANT SAFEGUARDS section.
- Review the CARING FOR YOUR UNIT section to ensure years of product use.

PARTS CHECKLIST

- 1 base control unit
- 1 power supply
- 1 manual
- 1 therapy pad (dual pad units have two therapy pads)

**READ ALL INSTRUCTIONS AND
PRECAUTIONS
BEFORE USING THIS PRODUCT.**

IMPORTANT SAFEGUARDS

The Lumen product line has been carefully engineered both for effectiveness and safety. However, basic safety precautions should always be observed when using any electrical (electronic) equipment.

PRECAUTIONS

Always use caution when connecting the power supply into an electrical outlet. We suggest using an outlet strip with surge protector. Never place or store any unit or charger where it can fall or be pulled in a bathtub, sink, toilet, water tank or bucket. Never reach for a unit that is plugged into an electrical outlet and has fallen into water. In case of the above, shut off power supply, unplug immediately. Return unit for servicing before further use.

Be sure unit is off before connecting or disconnecting to a power supply.

MEDICAL WARNING

Consult your physician prior to using.

Before allowing other people to use your device instruct them as to the proper use and precautions.

Do not shine the beam of light from the light emitting diodes (LED's) directly into open eyes for long periods of time. Extended exposure to any bright light may damage eyes.

Use cautiously; burns may result from improper use.

DO NOT sleep with the device turned on.

This product is not to be used by incapacitated persons.

Do not leave small children unattended with product.

Do not use on infants.

Do not use on areas of sensitive skin.

Do not use with salves or ointments that contain heat producing ingredients. Skin burns could result.

Consult a physician if on light-sensitive medication.

INDICATIONS FOR USE



Therapeutic applications of the Lumen Photon Therapy™ devices are as follows:

- Aids in the relaxation of muscles.
- Provides a temporary increase in local blood circulation.
- Provides temporary relief of minor aches and pains in muscles and joints.
- Helps provide for a temporary improved range and freedom of motion due to muscle relaxation and temporary minor pain relief.
- Use when applications are desirable for personal comfort and whenever recommended by a licensed medical professional.

SIMPLIFIED SETTINGS/QUICK USE GUIDE

·All purpose setting	NICO
·Calcification from chips, spurs, and arthritic conditions	7
·Ectodermal Tissue (skin, nerves, brain, eyes, ears)	3
·Endodermal Tissue (GI tract, liver, pancreas)	4
·Eyes, ears	3
·Gastrointestinal tract	4
·Heart and blood vessels	5
·Hormonal functions	1
·Inside of mouth, gums, teeth	4 and 5
·Ligaments	5
·Liver	4
·Lung	4 and 5
·Lymphatics	5
·Mesodermal Tissue (bones, joints, muscles, vessels)	5
·Muscle, joints and bones	5
·Nerves	3
·Pain anywhere	7
·Reproductive organs	5
·Scar Tissue and Adhesions	2
·Sinuses	5
·Skin	3
·Stomach	4

GENERAL RULE: When stimulation is required, use lower frequencies. When sedation is required, use higher frequencies.

LUMEN DEVICE OPERATION

Connect LED diode pad to controller module. Visually inspect how these two connectors meet and align carefully. *Figure 1* Dual pad units have two pad jacks on top. Plug adaptor(s) into controller and controller into electrical outlet (all models). Depress pressure sensitive ON, display window will read SET and TIME. When beginning, the display will always show the last setting in use. First, choose setting by depressing SETTING triangle until desired setting is reached. SETTING will scroll through settings 1 – 7 and NICO. Choose TIME by depressing pressure sensitive TIME triangle. TIME will scroll through 15 or 30 minute settings. Press START button. The diode array on the opposite side will activate for treatment. (NOTE: Some diodes will not appear to be lit. These are infrared diodes and emit light invisible to the naked eye.) The timer will begin to count down according to the TIME setting chosen. The unit will sound three double beeps that indicate the chosen cycle is completed and the display will indicate shutoff.

PAD INFORMATION

The more densely packed the diodes, the more concentrated the therapy. While our pads are soft and flexible lengthwise, **they do not bend sideways (side to side)**. The expandable velcro straps allow a pad to be held in place, typically on the knee, back, elbow, or ankle.



Figure 1 The connectors align one way only.

LUMEN CONTROLLER DIAGRAM



- Pad Plug 1
- Display 2
- Time Adjustment 3
- Setting Adjustment 4
- Start/Stop Cycle 5
- Power Buttons 6



OPERATION MODES

The Lumen units have five user buttons:

- POWER ON – turns the unit on
- POWER OFF – turns the unit off
- SETTING – allows choice of operating modes, either NICO or specific settings 1-7
- TIME – adjusts length of treatment (15 or 30 minutes)
- START/STOP- activates the diode array

MODES (FUNCTIONS)

The Lumen products will start up in the setting last in use. In the manual mode only the selected setting will be on. The NICO is an all purpose setting.

CHOOSE A SETTING

To access the manual mode, depress the SET button until the desired Setting is illuminated. The unit will now operate only on that setting. To access the NICO mode, depress SET button until display reaches NICO. NICO is the best “all-purpose” setting.

FREQUENCY SETTINGS

Setting 1 (73 Hz): For use when cellular activity is hypoactive, such as chronic recurring problems, nonunion fractures and chronic splints and for stimulation of osteoid (bone growth). It is also helpful in activating humoral and endocrine functions (hormone problems). Field work has shown setting 1 helpful in stimulating (tonifying) acupuncture and trigger points and increasing circulation in areas being treated, such as wounds when past the acute stage.

Setting 2 (147 Hz): For areas of yellow scar tissue that are generally formed internally on tendons, ligaments and sub-acute (lingering but not chronic) conditions. Field use has shown setting 2 to be helpful in reducing inflammation associated with injuries and infections. This is often called a “universal frequency” because most problems involve inflammation.

Setting 3 (294 Hz): For tissue of ectodermal origin, such as body openings, skin and nerve. Field applications include wounds, eye injuries and following surgery. Setting 3 tends to tone up tissue while minimizing the chance of hemorrhaging in fresh wounds or recent surgical sites. It is also good for the treatment of acupuncture and trigger points, corneal ulcers and ulcerated mucous membranes. This is called a “universal frequency” in acupuncture.

Setting 4 (587 Hz): For circulatory and lymphatic stimulation and treatment of tissue of endodermal origin such as GI tract, liver, pancreas. In field applications setting 4 has been used in conjunction with 5 and 2 for tendon, ligament, joint and other injuries where reaching secondary levels of tissue is needed.

Setting 5 (1174 Hz): For tissue of mesodermal origin, such as bone, joints, ligament, viscera and tendon. Field experience has shown setting 5 to be especially good for tendon and ligament injuries when used with 4 and 2. It also helps in relaxing large muscle groups.

Setting 6 (2349 Hz): For chronic conditions not responsive to setting 3 or 5. Field experience shows setting 6 to be a good supplement to 3 when healing processes appear to reach a plateau.

Setting 7 (4698 Hz): For pain control, primarily when C nerve fibers are transmitting to dorsal root ganglia and when involvement of neurotransmitters is of physiological importance. Field experience shows 7 to help suppress pain and to sedate acupuncture and trigger points and other nervous tissue. Setting 7 also aids in diminishing excess calcification associated with chips, spurs and arthritic conditions.



FOLLOW THE GUIDELINES OUTLINED IN IMPORTANT SAFEGUARDS

Place the diode array near or on the part of the body receiving therapy. The suggested therapy time is between 15 and 60 minutes, two or three times per day.

Acute injury or pain may respond better to extended applications, which are safe and may be continued as desired.

Do not stand or walk on any accessory! This may damage the unit and will void the warranty.

DENTAL STUDY INSTRUCTIONS

When NICO is displayed on unit, the Lumen unit is ready to activate in NICO mode. Press start to activate diode array. Timer will begin to count down from 5 minutes to 0 and then beep twice to signify the time to shift placement of the diode array. This 5 minute segment will repeat for 6 cycles allowing for therapy of the entire jaw area. The display then announces that the unit will shut down in two minutes. One complete therapy cycle has now been completed. The Lumen units may be used in the NICO mode upon other areas of the body to increase circulation, relax muscle tissue and reduce pain as instructed by a qualified health care professional.

CARING FOR YOUR UNIT

Every effort has been made to ensure that your unit is of the highest quality materials and workmanship. However, observing the following general precautions will substantially prolong the life of your unit.

1. The base controller units are made of electronic circuitry, hence, care should be exercised when placing it on or removing from the body.
2. Lay flat whenever possible. Therapy pads may be gently folded around body surface or joints. Do not bend sharply in half to protect the interior circuitry.
3. Do NOT apply if the body is wet. Allow the body to dry before use. Electronics can be short circuited by water. Prolonged exposure to moisture will cause corrosion.
4. When cleaning, NEVER immerse or wash with water. ALWAYS use a dry brush when cleaning exterior. The body contact surface may be wiped with a lightly moistened cloth or sponge.

DISCLAIMER

Lumen Photon Therapy, Inc.™ products are not intended to diagnose, cure or prevent disease. Lumen Photon Therapy, Inc.™ makes no claims, representations or warranties regarding the ability of its products to cure any physical or mental conditions. Any information given in this document should not be taken as a substitute for qualified medical advice. A qualified medical professional should be consulted with regard to any condition requiring medical attention. The times are suggestions based on research, but the individual will know best how long to use each device for optimal effectiveness.

International Warranty Claim Procedure

Contact us or visit lumenphoton.com/main/repairs.html

WARRANTY INFORMATION



Lumen Photon Therapy, Inc. offers a 1 year limited, in-house manufacturer's warranty on all products. In special cases, Lumen Photon Therapy, Inc. will extend beyond the 1 year manufacturer's warranty. If the item is damaged due to obvious and/or gross neglect, or any other manner in which the product did not fail due to design and/or build, Lumen Photon Therapy, Inc. will still repair the unit if desired, but will contact the owner before repairs as a small service fee may be necessary. Lumen Photon Therapy, Inc. will also repair units outside of warranty for a small service fee. Fee is dependent upon unit condition, and can only be judged at our location. We cannot give accurate quotes over the phone.

Domestic Warranty Claim Procedure

To have your unit replaced or repaired under warranty, please fill out the following form. Include the printed repair request sheet in the package so we can accurately and rapidly repair your unit. Failure to include the repair request sheet will result in delays in processing your repair. Please fill out information to the best of your ability. Turn-around time varies with shipping times, production demands, etc. The average turn-around time, depending upon location, is usually 3-4 weeks. This is due to transit time. Units will be returned and repaired as expeditiously as possible. If you would like a copy of the tracking number when we ship it, please include your email address.

Sending a Unit In

To send a unit in, simply fill out the following form. Make sure you fill the form out completely, and please include the entire unit for diagnosis. While it may seem that the problem is localized to a certain component, often times a different component is at fault. If you would like to pay by credit card and include your credit card number on the form, you may do so at your will.

REPAIRS

Package complete unit (power supply, controller, pad(s), etc.) into box along with this form and a copy of your sales receipt.

Note: A COPY OF THE SALES RECEIPT IS REQUIRED

Ship the package to the following address:

Lumen Photon Therapy, Inc.
Attn: Warranty Repair
1405 Chesnee Rd.
Colombus, NC 28722
(828)863-4834

Note: You are responsible for paying return shipping costs. Lumen will NOT return your unit without payment for return shipping costs.

Contact Information

First Name:

Last Name:

Address:

Address (Ste/Apt/Unit):

City:

Province/Terr:

Postal Code:

E-mail Address:

Phone Number:

Product Information

Model(s):

Purchase Date:

Description of Problem:

More Information Available at:
lumenphoton.com/main/repairs.html

