



PHOTONIC ENERGETICS
Dynamic Light Therapy

Product User Manual

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Product Description

- The Photonic Energetics Dynamic Light Therapy Model One provides a feature rich high power combination visible far red and invisible infrared light therapy product in an ergonomic, compact, and lightweight yet very durable enclosure.
- The Model One provides selectable bio-resonate Nogier frequencies and selectable output intensity levels which allow the unit to be customized to individual requirements.
- The Model One provides the many clinically established therapeutic benefits of concentrated light delivery systems in addition to providing beneficial Nogier bio-resonant frequency groups. Refer to enclosed CD for documents that describe key benefits and study references.

General Specifications and Features

- 140 LED high density, high power array with approximately 1100 milliwatts radiated output power over a surface area of 8.5 sq. in. (55 sq. cm).
- 112 near infrared LEDs (invisible)
 - (56) 940 nm, (36) 880 nm and (20) 875 nm
- 28 red/far red LEDs (visible)
 - (20) 655 nm and (8) 680 nm
- Selectable pulse and direct (continuous) output mode
- 10 bio-resonant Nogier derived pulse frequencies
- Auto sequence random frequency select mode
- High precision quartz oscillator and digital circuitry
- Precise digital intensity control – 10% increments
- Automatic shutdown 15 minute timer with audible tone alert and manual restart
- High capacity universal protected 120/240 Volt AC, 4 Amp power supply, (12 volt car adapter and high capacity rechargeable 12V battery packs are optional)
- Measurements: 6” (length), 4”(width), 1.25” (depth)

Basic Operation Instructions



Control Functions

Power On/Off – (Left Panel) switches main power on/off

Mode – (Right Panel) selects either Pulse or Direct (continuous) mode

Start – starts 15 minute timed session – unit automatically turns off and beeps at end of session – pressing start button initiates a new session

Frequency – selects specific Nogier frequency (see Nogier chart for details)

Intensity – selects power output intensity in progressive 10% increments

Initial Use

- Plug the provided AC power cord into the AC power adapter. This adapter supplies the required 12 volt DC to operate the unit. Ensure the cord is snugly seated in the adapter and plug the 3 prong wall plug (on the other end) into a 120 VAC wall power outlet. The green light on the adapter should now be illuminated.
- Plug the light unit DC power cable into the mating DC connector on the power adapter. The unit is now ready for powering up.
- Click the Power control (left panel) to the On position. The small red LED above the power cable on the front control panel should now be illuminated indicating the unit is properly receiving power.
- The unit will beep 3 times when initially turned on.
- Press the Start switch and the LED array will automatically illuminate and operate for 15 minutes and then automatically turn off. The unit will beep 3 times now signaling the LED array has powered down.
- Press the red Start button (on the front control panel) to restore power to the LED array for another timed 15 minute session.
- The main Power switch may be turned off at any time to end a session before the automatic timeout period ends and power the unit down.

Directions for General Use

Recommendations for getting started

- Click the Mode switch (right side panel) to the “Pulse” position
- Choose the “F” setting on the Frequency control as a good beginning point. This is considered to be a “universal frequency” in acupuncture.
- Choose the “5” setting on the Intensity control. This selects the 50% power level. As you become familiar and comfortable with the unit the power may be increased by selecting a higher number on the control.
- The intensity level may be adjusted to match specific individual needs. The level can be reduced if lower stimulation levels seem effective.
- Begin by using the light unit in a slow scanning motion around the toe nails, feet, ankles, finger nails, hands, wrists and base of the spine. These locations are associated with key acupuncture points and are beneficial places to begin treatment. Normally, keeping the light unit from 1 to 6 inches from the body will be effective.
- Initially, limit the duration of the first few sessions from 5 to 7 minutes and then progressively extend to key focus areas as needed.
- Normally, use of the light unit several sessions a day is beneficial and well accommodated to treat focus areas where some form of injury or distress may exist. Full strength of the unit may be realized by placing it directly in contact with the focus areas for several minutes.
- *It is important to note that a small percentage of individuals may be considerably more sensitive to light stimulation than normally robust individuals.* If this is known or detected, then the power level should be reduced to a very low setting and the treatment time should be limited to very brief intervals (30 seconds to 1 or 2 minutes). Also, the light unit should also be held at a distance of 1 to 3 feet away from the sensitive individuals body. Generally, a sensitive person will acclimate favorably to light therapy and after repeated sessions will be able to tolerate progressively higher power settings and longer exposure times. The unit may then be used closer to the body after the individual acclimates.

Directions for using the Direct Mode

- Click the Mode switch (right side panel) to the “Direct” position. The LED array will then operate in a continuous “steady on” state .
- The frequency control is bypassed and thus non-functional in this mode.
- The intensity control is functioning in the Direct mode, and at the 10 setting the unit is producing it’s maximum output level. The unit will warm considerably in the direct mode at full power. So, even though it is safe, it is not recommended to operate it at direct maximum power continuously in multiple back to back sessions.

Directions for General Use

Directions for using the Nogier Frequencies

- Click the Mode switch (right side panel) to the “Pulse” position. The LED array will then be pulsed with the frequency selected by the rotary Frequency selection switch on the front control panel. (Refer to the chart titled “Nogier Therapeutic Applications Detail Descriptions” chart that is provided with the unit to identify the selectable frequency options).
- The Frequency Control is labeled “A” – “J” and the settings correspond to the “Control Setting” column in the above mentioned document. NOTE: *The frequency control labeling is not the same as the labeling of the Nogier frequency groups.*
- The chart provides a listing of the frequency control settings and identifies the specific frequency of the setting and links them to specific Nogier frequency groups and the associated description of their physiological and neurological therapeutic actions.
- The Nogier Therapeutic Applications chart will serve as a guide to select the Nogier group and corresponding frequency setting that is most appropriate for the specific condition requiring treatment.
- Use of several complementary groups are advantageous and are described in the referenced document. Thus, selecting several different frequencies at different intervals during a session may produce the most beneficial results. Also, switching to the “Direct” mode periodically may also be helpful particularly for problematic areas.
- In general the higher frequencies tend to be more calming/sedating and the lower frequencies tend to be more energizing/activating.
- The general actions of the Nogier frequency groups is further elaborated in the document enclosed with the unit titled “Definition of frequencies by Drs Paul and Raphaël NOGIER”. (Remember to translate the Nogier frequency group to the actual control setting on the light unit frequency select switch by referencing the Nogier Therapeutic Applications chart.
- The setting “J” on the frequency control selects the Auto sequence random frequency select option. In this setting the pulsed frequency shifts every 7 seconds in random order covering all Nogier frequency groups. Pulsed frequencies selected are: 4.6 Hz, 9.2 Hz, 73.2 Hz, 146.5 Hz, 293 Hz, 586 Hz, 1171.9 Hz, 4687.6 Hz. This mode provides a general toning effect and may be very beneficial in working with problematic areas where chronic or stuck conditions exist.

Product Handling, Maintenance, Storage and Transportation

General Handling

- The PE-1 unit is made from very durable materials and should require very little general maintenance if used in normal dry environments.
- Do not use in wet or extremely dusty environments
- Rough handling should be avoided. Be careful to not drop the unit or step on the power cord and connector or roll over it with a chair, etc.

Maintenance Instructions

- Periodic light cleaning using grain alcohol, a glass cleaner, or a slightly damp cloth with a drop of mild dish detergent will remove any soiling and help to preserve the appearance of the unit.
- Avoid heavy scrubbing with very harsh chemicals or abrasive materials.

Product Storage and Transportation

- Store the unit in the provided carrying case to protect it during times that it is not being used. To transport the PE-1, use either the standard padded carrying case or optional field fanny pack. Either padded carrying case can be used to hold the PE-1 and the optional battery pack for field use.
- Prepare the PE-1 for storage by extending the power cord to its full length and allow any twists to gently unravel. Then roll the power cord in the form of a coil about 6 inches to 7 inches in diameter. Start the coil loops from the black power cord strain relief (located at the left side of the unit) and fold it toward the right side of the unit and underneath the back of the unit. Storing the unit with the cord coiled as described will extend the life of the cord. The picture below illustrates this method.



Optional Battery Pack Use, Care, and Charging

General Information

- The PE1-BAT optional battery is a 12 Volt, 5.0 Amp-Hour re-chargeable pack of Ni-MH construction. The battery pack power cord is fitted with the appropriate power connector and polarity to mate with the PE-1 light therapy unit. An AC powered smart charger is supplied to re-charge the battery pack. The battery can be re-charged up to 1000 times using the smart charger.
- When fully charged, the pack should power the PE-1 for up to (30) fifteen minute sessions when operated in the Pulsed mode and up to (15) fifteen minute sessions when operated in the Direct (Continuous) mode.

Handling and Storage

- The battery pack should always be kept in the padded carrying case to protect it from the environment and from rough handling that could cause permanent damage.
- Do not use the PE-1 in wet or extremely dusty environments
- Be careful to not drop the unit or step on the power cord and connector or roll over it with a chair, etc.

Charging Instructions

- NOTE: The Smart Charger is fitted with the correct power connector and polarity to mate with the PE1-BAT battery pack. The smart charger should be used in an indoors environment only.
- Connect the battery pack to the Smart Charger connector and plug in the Smart Charger AC cord into an AC power source.
- The Smart Charger indicator LED will then flash red twice and green twice and then will detect the battery voltage automatically.
- The LED indicator light on the smart charger will shine steady red if the battery is below the full charge level. The battery will automatically begin charging. The charger indicator LED will shine steady red while the battery is undergoing charging.
- The time required for charging the battery is approximately 6 hours (or overnight) to reach a full charge.
- When the battery is fully charged the charging current will automatically reduce to around a 50 milliamp (mA) trickle and the indicator LED on the charger will turn from red to green, indicating the charge cycle is complete.
- The battery pack can then be disconnected from the charger.
- The fully charged voltage of the battery pack will be approximately 14 Volts at the completion of the charge cycle.
- The PE1-BAT battery pack can then be connected to the PE-1 unit power cord connector and the unit will then be ready for extended field use.

Product Warranty and Refund Policy

Product Warranty

- The Photonic Energetics Dynamic Light Therapy product warranty covers failures incurred during normal usage and provides for full coverage of parts and labor for a period of one year, and for parts only for a period of two years.
- Exclusions to the warranty include evidence of damages resulting from rough or abusive handling or excessive exposure to water, dust or other harsh or corrosive environments.
- Exclusions to the warranty also include evidence of failure resulting from lightning damage, fire or other natural catastrophes.
- Further warranty exclusions include user modification, attempted repair and/or disassembly of the unit.
- Also, failures or damages resulting from apparent uses of the product for those that are specified in the original instructions provided with unit are not covered by the product warranty.

Refund Policy

- The Photonic Energetics Dynamic Light Therapy product refund policy provides for a new purchase return grace period of 30 days in the event the customer is not satisfied with the purchase, subject to a 10% restocking charge.
- The customer is required to make prior arrangements for the refund and then return the undamaged unit for evaluation prior to the issuance of the refund. The customer is responsible for the insured shipment charges incurred in the return shipment of the product.
- Damaged, scarred, or incomplete product returns are subject to a charge assessment corresponding to the incidental damages found. The customer is responsible for all damages or missing materials that are identified.



Nogier Therapeutic Applications Detail Description

Photonic Energetics Frequency Control Setting	Nogier Group	Frequency	Nogier Therapeutic Action
A	C	9 Hz	For tissue of mesodermal origin, such as bone, joints, ligaments, viscera and tendons. Field experience has shown group C to be especially good for tendon and ligament injuries when used with groups B and G. It also helps in relaxing large muscle groups.
B	D	18 Hz	For chronic conditions not responsive to groups A or C. Field experience shows group D to be a good supplement to group A when healing processes appear to reach plateau.
C	E	36 Hz	For pain control, Primarily when C nerve fibres are transmitting to dorsal root ganglia and when involvement of neurotransmitters is of physiological importance. Field experience shows group E to help suppress pain and sedate acupuncture and trigger points and other nerve tissue. Group E also aids in diminishing excess calcification associated with chips, spurs and arthritic conditions.
D	F	73 Hz	For use when cellular activity is hypoactive, such as chronic recurring problems, non-union fractures and chronic splints and for stimulation of osteoid (bone growth). It is also helpful in activating humoral and endocrine functions (hormone problems). Fieldwork has shown group F helpful in stimulating (tonifying) acupuncture and trigger points and increase circulation in areas being treated, such as wounds when past the acute stage.
E	G	146 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 group G to be helpful in reducing inflammation associated with injuries and infections.
F	A	293 Hz	For tissue of ectodermal origin, such as body openings, skin and nerve. Field applications include wounds, and following surgery. Group A tends to tone up tissue while minimizing the chance of hemorrhaging in fresh wounds or recent surgical sites. It is also beneficial for the treatment of acupuncture and trigger points, and ulcerated mucous membranes. This is called a "universal frequency" in acupuncture.
G	B	586 Hz	For circulatory and lymphatic stimulation and treatment of tissue of endodermal origin such as GI track, liver and pancreas. In field applications group B has been used in conjunction with groups C and G for tendon, ligament, joint and other injuries where reaching secondary levels of tissue is needed.
H	C	1172 Hz	For tissue of mesodermal origin, such as bone, joints, ligaments, viscera and tendons. Field experience has shown group C to be especially good for tendon and ligament injuries when used with groups B and G. It also helps in relaxing large muscle groups.
I	E	4688 Hz	For pain control, Primarily when C nerve fibres are transmitting to dorsal root ganglia and when involvement of neurotransmitters is of physiological importance. Field experience shows group E to help suppress pain and sedate acupuncture and trigger points and other nerve tissue. Group E also aids in diminishing excess calcification associated with chips, spurs and arthritic conditions.
J	ALL	Auto-Sequence	Automatic sequencing mode. Pulsed frequency shifts every 7 seconds in random order covering all Nogier frequency groups. Pulsed frequencies selected are: 4.6 Hz, 9.2 Hz, 73.2 Hz, 146.5 Hz, 293 Hz, 586 Hz, 1171.9 Hz, 4687.6 Hz.

•The **Frequency Control** is labeled "A" – "J" and the settings correspond to the "Control Setting" column in the above mentioned document. NOTE: **The frequency control labeling is not the same as the labeling of the Nogier frequency groups. Be sure to cross reference the frequency control setting to the corresponding Nogier group when using this chart**

•The chart provides a listing of the frequency control settings and identifies the specific frequency of the setting and links them to specific Nogier frequency groups and the associated description of their physiological and neurological therapeutic actions.

•The Nogier Therapeutic Applications chart will serve as a guide to select the Nogier group and corresponding frequency setting that is most appropriate for the specific condition requiring treatment.

Photonic Energetics

Treatment Frequency Application Table

(Derived from Nogier Principles of Bio-resonate Body Tissue Types –
According to Embryologic Origin)

Photonic Energetics Frequency Control Setting	Nogier Group – Frequency (Hz)	Bio-resonate Tissues and Organs
F	A – 292 Hz	<p><i>Primary tissue type – Ectoderm</i></p> <p>Central Nervous System (brain and spinal cord) Peripheral nerves Eye Ear Mammary glands Pituitary gland (anterior and posterior) Enamel of teeth Body of the adrenal gland</p>
G	B – 584 Hz	<p><i>Primary tissue type – Endoderm</i></p> <p>Lining of the GI tract Lining of the Lung Thyroid gland Thymus Liver Pancreas Lining of the bladder Urethra Auditory tube</p>
H	C – 1168 Hz	<p><i>Primary tissue type – Mesoderm</i></p> <p>Cartilage Bone Muscle Heart Blood and lymph vessels Kidney Ovaries Testes Spleen Cortex of the adrenal</p>

Source for this information is from the book **Healing Energies of Heat and Light –
A Quantum Leap in Healthcare** by Charles T. McGee, MD. Medipress, 2000

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