Scalar Wave Laser System
Users Guide

Purchased Through Brimhall.com/Health Path Products
866-338-4883

Please Read This Entire Users Guide In Full

Scalar Wave Lasers
46 Worcester Village Rd.
Worcester, VT 05682

Attn: Warranty Registrations

Brimhall Wellness/Health Path Products
www.brimhall.com

Ver. 06-11-13
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**Scalar Wave Laser Warranty Registration**

Thank you and congratulations on your wise investment decision. To activate your warranty on your Scalar Wave product(s), please take a moment to fill out this Warranty Card and send it back to us. To register online please visit us at www.LaserWarrantyCard.com and click on WARRANTY REGISTRATION. Scalar Wave products are warranted to be free of manufacturing defects for a period of one year from date of purchase.

<table>
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<th>PRODUCT DESCRIPTIONS &amp; SERIAL NUMBERS</th>
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<tr>
<td>Laser Serial #</td>
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Manufacturer shall not be liable in any manner in respect of bodily injury and/or property damage from the use of the Scalar Wave Laser System where the use was not in strict compliance with the instructions and safety precautions contained in this manual, including all supplements thereto, in all product labels, and according to the terms of the warranty and safety/care of this equipment, nor if any changes are made to this device. Stellar Lasers & Brimhall Seminars/Health Path shall NOT be responsible for ANY incidental or consequential damages resulting from the use of the Product.
Glossary of Technical Terms

**Cardiac region of the thorax:** the area of the chest over the heart

**Diode assembly:** a printed circuit board assembly that contains a series of laser diodes and light emitting diodes (LED’s).

**Direct Exposure:** allowing access of a specific area of the body directly to something. If a warning statement states to avoid direct exposure to a certain area of the body, it means to not allow that section of the body to access to the item that the warning statement is referencing.

**Hemorrhage:** Bleeding

**Infra-red:** light wavelengths below the visible spectrum. SEE visible spectrum below.

**Laser Diode:** a semiconductor device that produces coherent radiation (in which the waves are all at the same frequency and phase) in the visible or infra-red (IR) spectrum when electrical current passes through it.

**Launch:** section of a program that allows the user to select the treatment

**LED:** light emitting diode – a semiconductor device that emits light when an electrical current passes through it.

**mw:** milliwatts, which is the unit of measure used for measuring electrical power.

**nm:** nanometers, which is the unit of measures used for measuring light wavelengths.

**Non-invasive:** does not involve physical penetration of the skin, i.e., does not break the skin.

**Operational Firmware:** computer program that is set in the hardware and is used to operate the device.

**Penetration Depth:** the distance that the light or heat energy reaches into the targeted tissue. See Targeted Tissue below.

**Star Button:** the ON/OFF button – it turns the device on or off.

**Suspicious Lesions:** lesions that are:
1. One half of a mole looks different from the other.
2. The edge (border) of the mole is ragged, notched or blurred.
3. The mole has a variety of hues and colors within the same lesion,
4. Greater than 6 millimeters (about the size of a pencil eraser) in diameter

**Targeted Tissue:** Portions of the body (muscles, joints, etc.) that the light and heat energy is meant to affect.

**Thyroid region of the neck:** area of the neck just on either side of the Adams Apple.

**Touchpad Membrane Key Panel:** the keypad on the face of the laser, for selection commands to active certain functions.

**Visible Spectrum:** light that can be seen with the human eye.

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**Troubleshooting**

<table>
<thead>
<tr>
<th>Fault</th>
<th>Possible Cause</th>
<th>Fault Removal</th>
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<tr>
<td>Battery doesn’t</td>
<td>Cord not properly plugged into unit. Battery is faulty or</td>
<td>Make sure adapter cord is connected sufficiently</td>
</tr>
<tr>
<td>charge</td>
<td>charger may be faulty</td>
<td>to every part &amp; wall. Send unit to warranty dept.</td>
</tr>
<tr>
<td>Unit heats up,</td>
<td>Technical Fault</td>
<td>Contact the Dealer. Repair will be made</td>
</tr>
<tr>
<td>Screen goes Blank</td>
<td></td>
<td>under the warranty.</td>
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</table>
**Troubleshooting**

**Cleaning & Care**

With proper care and maintenance, it’s expected that your device could last 10 years or more.

To properly care for the Scalar Laser Base Unit, never put Scalar Laser, the 405, 650 or 780 Pulsar Probe, the cables or the power adapter directly into liquid or water, as this could damage the internal components. In addition, do not expose the Scalar Wave Laser Base to prolonged sunlight or very wet environments, such as rain.

To clean the Scalar Wave Laser Base, use a tissue and dampen with rubbing alcohol or hydrogen peroxide. You can also use a little mild soap and wipe off soap with a clean moist cloth. Do not submerge any of the components in water or other liquids.

**Maintenance & Warranty**

The Scalar Wave Laser Base should be maintained and serviced only by the manufacturer. Always keep the Scalar Wave Laser System in the case/enclosure when not in use, to avoid damage to the device.

The Scalar Wave Laser Unit should only be opened or serviced by the manufacturer and if otherwise opened the warranty will immediately be voided. Again, please do not open any of the components of the Scalar Wave Laser Base or Probes, otherwise warranty will be voided.

The Scalar Wave Laser Unit comes with a warranty period of 1 year from purchase date. When used and maintained properly by instructions in this Users Guide. Damages to misuse are not covered by this warranty.

Your Scalar Wave Laser Base is warranted for a period of 1 year under normal use after it’s original purchase date. This warranty extends only to the original retail purchaser and only when purchased from an authorized Scalar Wave Laser System retailer. If the product should need maintenance or cease to function properly within the warranty period, contact:

Stellar Lasers
888-423-8922
support @quantumwavelasers.com

To purchase Lasers & Other Products:
Brimhall Seminars Customer Service Dept – (866) 338-4883

www.brimhall.com - (866) 338-4883

**WARNING:**

the use of accessories and cables other than those specified, with the exception of accessories and cables provided by the manufacturer of the Scalar Wave Laser System as replacement parts, may result in increased electromagnetic emissions or decreased electromagnetic immunity of the Scalar Wave Laser System.

**Indications For Use:**

The Scalar Wave Laser System is indicated for temporary relief of minor muscle and joint pair, arthritis and muscle spasm, relieving stiffness, promoting relaxation of muscle tissue, and to temporarily increase local blood circulation where heat is indicated.

**Contraindications, Warning & Precautions:**

Before using the Scalar Wave Laser System, the operator should become acquainted with the operating procedures, as well as the indications, contraindications, warning and precautions. It is important to keep this guide handy and it should be studied and reviewed periodically by users of the Scalar Wave Laser System.

**Contraindications:**

1. Do not apply the light directly into your eyes or anyone else’s eyes because prolonged exposure could cause damage to eyesight.
2. Do not treat yourself if you are pregnant or lactating or other women who may be pregnant or lactating because safety of Scalar Wave Laser System during pregnancy or while lactating has not been established.
3. Do not apply the light over suspicious lesions or lesions that have already been diagnosed by your doctor as cancerous because it is unknown what the effects of light or heat energy are to cancerous lesions. Do not apply the light over suspicious lesions or lesions on another person that have already been diagnosed by the other person’s doctor as cancerous.
4. Do not apply the light to your or anyone else’s neck (thyroid region) or chest (vagus nerve or cardiac region of the thorax) because it is unknown what the effects of light or heat energy is to the thyroid or heart.
5. Do not use the device on yourself if your doctor has already indicated that you should not treat your pain, for example with pain medication, because the doctor wants you to look for pain as a sign of a progressing disease or other medical condition. The reason you should not use the device in this circumstance is because the Scalar Wave Laser System may not allow you to recognize the medical condition for which your doctor instructed you to look for signs of pain. Do not use the device on another person if the other person’s doctor has already indicated that the other person should not treat his or her pain for the same reason.
6. Do not apply the light over areas of active hemorrhage because it is unknown what effect light or heat energy has on an active hemorrhage.
Warnings:
1. No modification of this equipment is allowed. Any unauthorized modifications could lead to harm to the device or user.
2. Do not point the light emitted from the Scalar Wave Laser System or any of the Pulsar Probes into your eyes or anyone else’s eyes. The Scalar Wave Laser System emits high intensity light and exposure of your eyes or anyone else’s eyes directly to the light may cause damage to eyesight.
3. Direct or reflected radiation should be prevented from entering your or anyone else’s eyes; therefore, do not use the device around mirrors or other reflective surfaces that could potentially reflect the laser light into your or someone else’s eyes.
4. During treatment, avoid direct exposure of the treated area to sun lamps or other light therapy devices. Exposure to other sun lamps or other light therapy devices may cause excess heating.
5. Do not exceed the treatment duration and frequency recommended in the operating instructions.
6. Do not allow the unit to make contact with any wounds, open sores or any areas of the body that are bleeding. The device is not sterile and may cause infection.
7. The Scalar Wave Laser System is programmed to deliver a limited amount of energy to the skin, to protect against overheating that may cause discomfort. When the device is used as directed, the skin is heated only to temperatures of 104-133 degrees F (40-45 Degrees C) However, to prevent discomfort, do not use the Scalar Wave Laser System on any area of your body or on someone else’s body that you are concerned may be overly sensitive to heat (i.e., on a sunburned area)
8. Do not use device directly over the area where a pacemaker has been implanted because it is unknown what effect the device would have on the functioning of a pacemaker.
9. Do not allow unsupervised use of the device by children.
10. For EXTERNAL use only.
11. Do not use the Scalar Wave Laser System if you or the person being treated is overly sensitive to pulsing light, which may cause seizures.
12. Do not use the Scalar Wave Laser System over sensitive skin areas or in the presence of poor circulation.
13. Only use the power adapter supplied with your Scalar Wave Laser System. Do not use any other power adapter as it may cause electric shock.
14. Do not use around water. Contact with water could cause electric shock.

Precautions:
1. The Scalar Wave Laser System should be maintained and serviced by Stellar Lasers LLC personnel, or other qualified personnel approved in writing by Stellar Lasers LLC.
2. Do not drop the Scalar Wave Laser System or Pulsar Probes.
3. Use only as directed in this Users Guide.

Custom Frequencies Instructions For The Quantum Wave Laser

(Other Codes Available in Laser Frequency Manual at Brimhall.com)

1. Press Star
2. Scroll Down To Design, Click Right Button On Keypad (See 2nd Screen Below)
3. Find Field You Want To Edit (Custom 1, 2, 3, ETC). Right Click (See 3rd Screen Below)
4. Right Click Again - Design Text At Top Will Change To Editing
5. Arrow Will Be Next To Custom 1 Text. Use The Keypad To Change This Text To Make A Custom Heading
6. To Enter Custom Frequencies, Scroll Down To Freq 1 = 0.00
7. Use The Keypad To Type In Frequency
8. Scroll Down To Next Frequency (Freq 2 = 0.00) Type In Frequency On Keypad
9. Repeat Until Add Frequencies Needed Are Entered
10. Once All Frequencies Are Entered And Your Name Is Set, Click Left Button To Exit From Edit Mode. Text Will Say Design. Click The Left Button Again To Exit Custom Settings Back To The Main Menu.

Launch
Design
Settings
Welcome

1st Screen

Left Button

Right Button

2nd Screen

Keypad

3rd Screen

Design
Custom 1
Freq 1 = 0.00
Custom 2
Freq 2 = 0.00
Custom 3
Freq 3 = 0.00
Custom 4
Freq 4 = 0.00
Custom 5
Freq 5 = 0.00
Custom 6
Freq 6 = 0.00

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Preset "ESSENTIAL" settings

**Unwind** is to unwind tissues

**Quantum** adds energy for healing

**Relieve** pain

**Pleo** is for any type of infection

**Activate** any gland, organ, cell etc.

**Rejuv** to assist in rejuvenate tissue

**Soothe** any area of inflammation or pain

**Unity** for healing any non-union or coherent area

**Vital** for increase vitality to any area

**Cohere** is for helping tissues to be coherent

**Wave** is added wave forms for increased circulation, healing increasing balance, and overall tissue repair.

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**Initial Set-Up Instructions**

1. Remove the Scalar Laser Base from the package and be sure to locate all items listed on pg.8
2. Inspect for physical damage that may have occurred during shipping.
3. If any items are missing or damaged, notify Brimhall Seminars immediately.
4. Plug in the AC Power Adapter into a standard wall outlet and attach the Scalar Laser Base Unit to power cord.
5. Charge the Scalar Wave Base Unit for a minimum of 24 hours before initial use.

**Charging Your Scalar Laser Base**

For optimal performance the battery in the Scalar Laser Base should be charged completely before first use (the Pulsar Probes do not need to be charged).

**To charge the battery in the Scalar Laser Base:**

1. To charge your Scalar Laser Base simply plug the power adapter to both the bottom of the Scalar Wave Laser Base and a standard wall outlet.
2. To maintain optimal performance of the Scalar Laser Base, recharge between uses.
3. Charge cycles between uses take 2 ½ hours to fully charge the battery; therefore plan to charge the device for 2 ½ hours between uses.
4. A battery indicator is on the display screen under settings. If there are 4 bars showing on the battery indicator, the battery is fully charged. If only 1 bar is showing, the battery life is almost depleted.
5. A warning message will appear on the display screen when the battery is nearly depleted.
What Comes With The Scalar Wave Laser System

1....Laser Power Adapter
2....Power Cord
3....Scalar Laser
4....Quantum Laser DVD

Dr. Brimhall continues to research and develop techniques and treatments for doctors to help integrate into their practice and help patients receive better results. One of these new treatments is Advanced Blended Laser Light Therapy with the Scalar Wave Laser.

This DVD includes Dr. Brimhall's new Protocol which includes techniques in:

NUTRIENT TESTING – FINDING HIDDEN PROBLEMS
BRAIN BALANCING
PAIN AND INFLAMMATION REDUCTION
TISSUE UNDWINDING
CRANIOSACRAL MOTION ENHANCEMENT

Dr. Brimhall also reviews the use of the Vibracussor and the Pro Athrostim.
DVD Runtime: 45 minutes

Labels

The following labels may be found on the Scalar Laser, and each of the Pulsar Probes:
Pulsar Probes

There are three Pulsar Probes (405, 650, and 780) which all plug into the Scalar Laser via a cable plug in connector. The cable is 79 3/4 inches long.

(All Probes Sold Separately - Purchase @ brimhall.com)

- They are all operated and run through the Scalar Laser interface.
- These Pulsar Probes are each comprised of an aluminium casing with 1 100 mw laser diode surrounded by 4 violet LED's (420 nm at 4 mw).
- Infra red laser Pulsar Probe (780 nm 100 mw).
- Red laser Pulsar Probe (650 nm 100 mw probe)
- Violet Pulsar Probe (405 nm 100 mw).
- The total output per Pulsar Probe is 116 mw.

Battery Charger

The rechargeable battery is contained within the Scalar Laser. Charging circuitry is also contained within the Scalar Laser. A power adapter is provided to recharge the battery inside the Scalar Laser. The power adapter cord is 47 1/2 inches long. The cord that plugs into the power adapter and the wall outlet is 72 3/4 inches long.

Scalar Laser (Main Unit)

The Scalar Laser is the main operational unit which is comprised of:

- a plastic enclosure
- touchpad membrane key panel
- electronic circuitry
- operational firmware
- 23.7v Lithium ion batteries
- Digital display screen
- diode assembly

The diode assembly is comprised of:

- 8 infra red laser diodes (780 nm at 5 mw)
- 8 red laser diodes (650 nm at mw)
- 20 violet LED's (420 nm at 4 mw)
Operating Instructions – Scalar Wave Laser Base + Pulsar Probes

1. Test this device on your skin in an area that is not as exposed as your face before using it on your face. Because of drugs you take or have taken and other materials you are or have been exposed to, you may be sensitive to the intense light of this device. Using this device may cause a severe reaction.

Common examples of drugs that may have made you sensitive to light are: antihistamines, used in cold and allergy medicines; nonsteroidal antiinflammatory drugs (NSAIDs), used in to control pain and inflammation in arthritis; and antibiotics, including the tetracyclines and the sulfonamides, or “sulfa” drugs.

Common examples of nondrugs that may have made you sensitive to light are: deodorants, antibacterial soaps, artificial sweetners, fluorescent brightening agents for cellulose, nylon and wool fibers such as laundry detergent, naphthalene (mothballs), petroleum products, and in cadmium sulfide, a chemical injected into the skin during tattooing.

2. To begin, use the Scalar Laser (to cover a wider area) or attach the probe wire connector to the bottom of the 405, 650 or 780 Pulsar Probe and also to the middle outlet on the underside of the Scalar Laser (to cover a more concentrated area).

Note: In order for any of the Pulsar Probes to function, it must be connected to the Scalar Laser.

3. Where possible, apply treatment to bare skin. Whenever possible, remove clothing or keep it to a minimum, as this can reduce the ability of the laser to penetrate, as well as alter the distance between the emitter and the area being treated, which will also change the penetration depth.

4. Turn the Scalar Laser on by pressing the Star button. The device will turn on and will display LAUNCH.

5. Press the Right Arrow button to start the treatment. The LED’s and laser diodes will illuminate.

6. Note: Pointing the device directly at your eyes or someone else’s eyes could cause damage to eyesight. Carefully hold the device at an angle that is not directly pointing the light at you or another else and verify that all of the LED’s and laser diodes are illuminated. If all of the LED’s and laser diodes are not illuminated, the device must be returned for service.

7. Place the Scalar Laser or the 405, 650 or 780 Pulsar Probe that is plugged into the Scalar Laser directly over the area of pain, approximately 1/2 inch above the skin surface, for 3 minutes while the device warms the skin surface of the area to be treated to the sufficient temperature for treatment. Continue to hold the Scalar Laser or the 405, 650 or 780 Pulsar Probe in place for 10 additional minutes in order to receive the full treatment. The emitter should be held in the place where the pain or discomfort is being felt.

Note: It is important to keep applying the heat treatment for the full ten minutes after the 3 minutes it takes to warm the skin to the sufficient temperature because it has been determined through clinical experience with similar devices that it takes the full 10 minutes to properly treat pain.

8. To turn the device off, press the STAR button.

9. Repeat this treatment as needed for pain.

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