

Scalar Wave Wellness Laser

Users Guide

Please Read This Entire Users Guide in Full



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Welcome

Thank you for purchasing the Scalar Wave Laser System. This guide is written for the owners and operators of the Scalar Wave Laser System. It contains general instructions for operation, warnings, precautionary practices and maintenance. In order to maximize the use, efficiency and life of your accessory, please read this Guide thoroughly prior to operation.

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 (LEDs).

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 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 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 measure 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:

- one half of a mole looks different from the other,
- the edge (border) of the mole is ragged, notched or blurred,
- the mole has a variety of hues and colors within the same lesion, or
- 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 Adam's Apple.

Touchpad membrane key panel: the keypad on the face of the Scalar Laser for selecting commands to activate certain functions.

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

What Comes With the Scalar Wave Laser System



1..... Scalar Laser

2.....405 Blue-Violet Pulsar
Probe

3.....650 Red Pulsar Probe

4.....780 Infra Red Pulsar
Probe

5.....Laser Power Adapter

6.....Power Cord

7.....Probe Wire Connector

Description of the Scalar Wave Laser System

The Scalar Wave Laser System is a non-invasive and portable low level laser designed to deliver light and heat energy for general wellness purposes. The system is battery operated.

- The Scalar Wave Laser System is comprised a main base unit, called the Scalar Laser and 3 probe attachments called the 405 Pulsar Probe, the 650 Pulsar Probe and the 780 Pulsar Probe.
- The Scalar Laser houses the program and circuits to power and control its own set of laser and light emitting diodes, as well as the Pulsar Probes, to deliver light and heat energy.
- The Pulsar Probes house the laser diodes to deliver light and heat energy too; although they receive the controls and power from the Scalar Laser.
- The Pulsar Probes are connected to the Scalar Laser by a cable supplied with your Scalar Wave Laser System.

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,
- 2 3.7V Lithium ion batteries
- display screen and
- diode assembly.

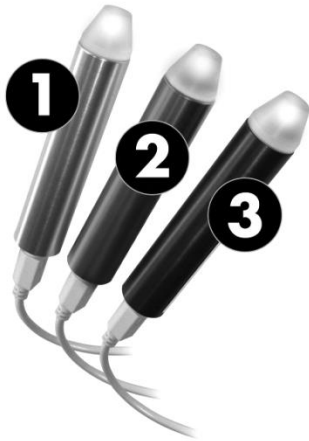
The diode assembly is comprised of

- 8 infra red laser diodes (780 nm at 5 mw),
- 8 red laser diodes (650 nm at 5 mw), and
- 20 violet LED's (420 nm at 4 mw).

There is a total of 160 mw output and wavelengths in the infra red and visible spectrum.

Pulsar Probes

There are three Pulsar Probes (405, 650 and 780) which all plug into the Scalar Laser via a cable plug in connector.



- 1. 780nm Infra Red Probe**
- 2. 650nm Red Probe**
- 3. 405nm Violet Probe**

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

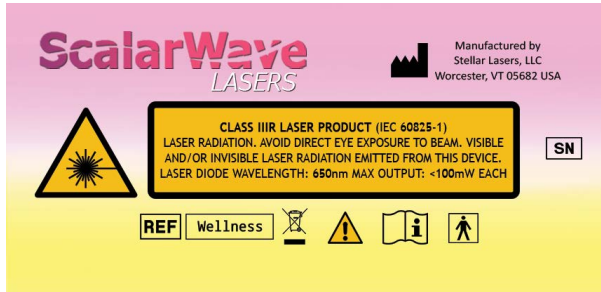
Battery Charger



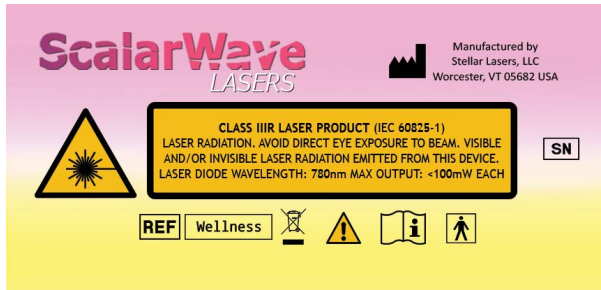
The rechargeable battery is contained within the Scalar Laser. Charging circuitry is also contained within the Scalar Laser. A power adapter is provided to recharge the battery inside the Scalar Laser.

Labels

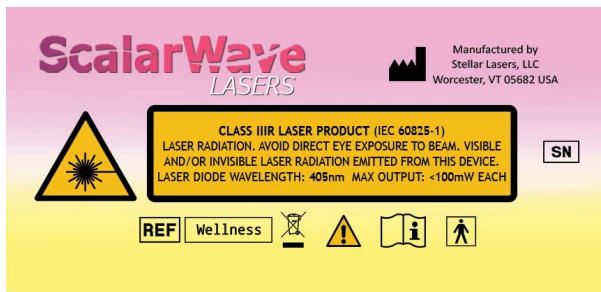
The following labels may be found on the Scalar Laser, each of the Pulsar Probes:



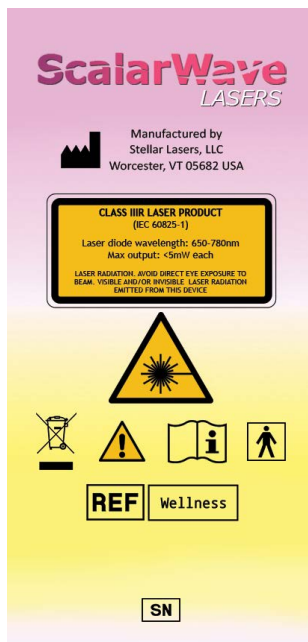
650 Probe Label



780 Probe Label



405 Probe Label



SWL Main Unit Label

Conformity Symbols & Meanings



Meaning: Do not dispose in trash



Meaning: Manufacturer



Meaning: Type BF Applied Part



Meaning: General Warning Sign
(This symbol has a safety yellow background with black legend and borders)



Meaning: Warning: Laser Beam
(This symbol has a safety yellow background with black legend and borders)



Meaning: Operator's Manual; Operating Instructions



Meaning: Catalog Number (Reference Number)



Meaning: Serial Number

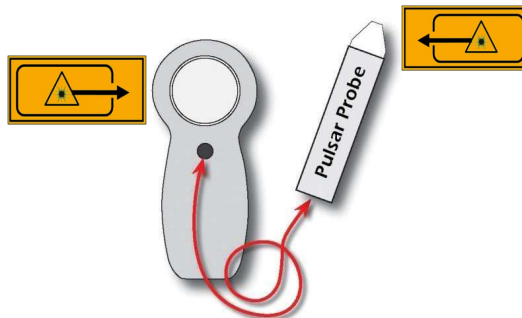


Meaning: Explanatory Label
(This symbol has a safety yellow background with black legend and borders)



Meaning: Laser Aperture

(This symbol has a safety yellow background with black legend and borders)



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

For use to promote the sense of relaxation and peacefulness.

For use to promote the flow of energy through the aura, chakras, and subtle channels of energy.

Contraindications, Warnings and 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

- Do **not** apply the light directly into your eyes or anyone else's eyes because prolonged exposure could cause damage to eyesight.
- 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.
- 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.

- 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.
- 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 Laser 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.
- 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

- No modification of this equipment is allowed. Any unauthorized modifications could lead to harm to the device or user.
- Do **not** point the light emitted from the Scalar Laser 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.
- 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.
- 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.

- Do **not** exceed the treatment duration and frequency recommended in the operating instructions.
- 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.
- 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 – 113 °F (40–45 °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).
- Do **not** use the 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.
- Do **not** allow unsupervised use of the device by children.
- For external use only.
- Do **not** use the Scalar Wave System if you or the person being treated is overly sensitive to pulsing light, which may cause seizures.
- Do **not** use the Scalar Wave Laser System over sensitive skin areas or in the presence of poor circulation.
- 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.
- Do **not** use around water. Contact with water could cause electric shock.

Precautions

- 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.
- Do not drop the Scalar Wave Laser System.
- Use only as directed in this Users Guide.

Risks

The following are risks that have either been identified or determined to be possible while using this device.

<i>Adverse Event</i>	<i>Likelihood of the Adverse Event</i>	<i>Adverse Effect</i>	<i>Likelihood of the Adverse Effect</i>
Software malfunctions.	Unlikely – the software has been thoroughly tested.	Device either does not turn on, it shuts off or no light shines from the diodes.	Unlikely
Too much heat generated from diodes.	Unlikely – the diodes are rated for a specific amount of power output and cannot exceed that output, even if the device malfunctions.	Skin gets too warm or minor burn occurs.	Unlikely
User shines light into own eyes or someone else's eyes.	Possible – if the user is not careful and does not follow the directions in this Users Guide.	The user or other person's eyesight is damaged.	Unlikely – the person would have to look directly into the light for several seconds.
Light or heat energy reach unborn fetus or breast milk.	Possible – if the user does not follow the directions in this Users Guide.	Unknown	Unknown
Light is applied to cancerous lesions.	Possible – if the user does not follow the directions in this Users Guide.	Unknown	Unknown
Device is used directly over the area that a pacemaker has been implanted.	Possible – if the user does not follow the directions in this Users Guide.	Unknown	Unknown
Device is applied to a person's neck (thyroid) or chest (heart).	Possible – if the user does not follow the directions in this Users Guide.	Unknown	Unknown
Device is applied to open wound or area of hemorrhage.	Possible – if the user does not follow the directions in this Users Guide.	Unknown	Unknown

Device touches a wound or open sore or is inserted into a body opening.	Possible – if the user does not follow the directions in this Users Guide.	Person becomes sick or gets an infection.	Possible – especially if the device is not clean.
Wrong power adaptor is used	Possible – if the user does not follow the directions in this Users Guide.	User or other person gets shocked.	Unknown
The device is used in any way other than exactly as per the instructions for use in this Users Guide.	Possible	Unknown	Unknown

Charging Your Scalar Laser

To charge the battery in the Scalar Laser:

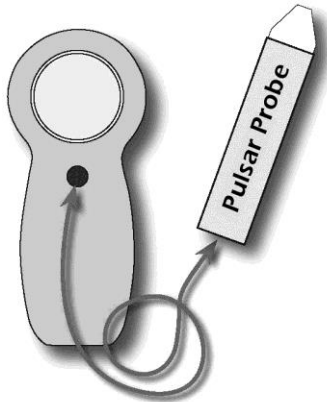
1. Plug the power adapter to both the bottom of the Scalar Wave Laser and a standard wall outlet.
2. Press the STAR button while the unit is charging, and the battery display will appear on the screen. If there are 4 bars showing on the battery indicator, the battery is fully charged. If only 1 bar is showing, the battery life is almost depleted.
3. Do NOT leave the Scalar Laser plugged in for long periods, or overnight.
4. A warning message will appear on the display screen when the battery is nearly depleted.
5. The Scalar Laser cannot be used while charging.

Using the Scalar Wave Laser System

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 anti-inflammatory drugs (NSAIDs), used 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 sweeteners, fluorescent brightening agents for cellulose, nylon and wool fibers such as in laundry detergent, naphthalene (mothballs), petroleum products, and in cadmium sulfide, a chemical injected into the skin during tattooing.



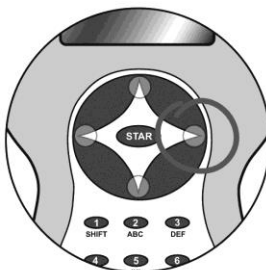
2. To begin, use the Scalar Laser (to cover a wider area) or attach the probe wire connector to the bottom of the 405, 650 or 780 Pulsar Probe and also to the middle outlet on the underside of the Scalar Laser (to cover a more concentrated area).

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.

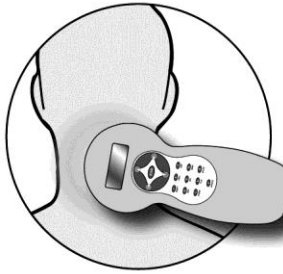


4. Turn the Scalar Laser on by pressing the Star button. The device will turn on and will display LAUNCH

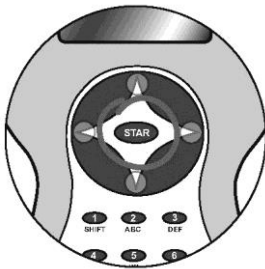


5. Press the Right Arrow button to start the treatment. The LEDs and laser diodes will illuminate.

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 anyone else and verify that all of the LEDs and laser diodes are illuminated. If all of the LEDs 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, approximately $\frac{1}{2}$ inch above the skin surface, for 3 minutes while the device warms the skin surface of the area to the sufficient temperature. Continue to hold the Scalar Laser or the 405, 650 or 780 Pulsar Probe in place for 10 additional minutes .



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

Troubleshooting

<i>Issue</i>	<i>Resolution</i>
Unit does not turn on.	Plug unit in to fully charge battery.
Unit does not charge.	Plug in battery charger, make sure all connections are tight.
Screen freezes, keypad does not respond.	Hold STAR button down to reset.
Unit goes into “cool down” mode repeatedly.	Make sure air can flow around the unit.

Cleaning and Care

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

To properly care for the Scalar Wave Laser System, 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 System to prolonged sunlight or very wet environments, such as rain.

To clean the Scalar Wave Laser System, 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 and Warranty

The Scalar Wave Laser System should be maintained and serviced only by the manufacturer, and if otherwise opened the warranty will immediately be voided.

The Scalar Wave Laser System comes with a warranty period of one year from the date of purchase, when used and maintained in accordance with the instructions provided in this Users Guide. Damages due to misuse are not covered by this warranty.

This warranty extends only to the original retail purchaser and only when purchased from an authorized Scalar Wave Laser System retailer. **Tampering, opening, or unauthorized service of the Scalar Wave Laser System in any way voids the warranty.**

If the product should cease to function properly, contact Stellar Lasers Customer Service in the U.S.A. at +1 888-423-8922 for repair. Stellar Lasers reserves the right to replace product with the most comparable product currently available.

For maintenance, warranty or other questions:

Contact

STELLAR LASERS

888-423-8922

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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 Shall Not Be Responsible for Any Incidental or Consequential Damages Resulting from the Use of This Product.

Please Read This Entire Users Guide in Full

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Worcester, Vermont 05682
U.S.A.

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