

# *Revitalight*

Skincare Technology, Inc.

## **Model 1030 User Manual**



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*Your Model 1030 system has been designed with a focus on safety, simplicity, and ease of use. You will be pleased with how efficiently the system works.*

### **FUNCTION**

If not on, switch the power switch on the back of the unit to the on position. The red pilot light on the switch will light. (Note: a continuously blinking pilot light indicates a possible power supply problem - contact your distributor for assistance.)

Turn the unit on by pressing the black START switch on the top of the unit.



Note: The unit starts in the RED/IR mode, (skin treatment). Pressing the START button a second time switches the unit to the BLUE mode, (acne treatment), and pressing the START button a third time switches the unit to the RED/BLUE mode (acne plus skin treatment). Select your mode based on the treatment desired.



Make sure you read and understand all the information contained in this manual before operating unit.

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### TREATMENT



Make sure you read and understand all the information contained in this manual before operating unit.

Figure 1

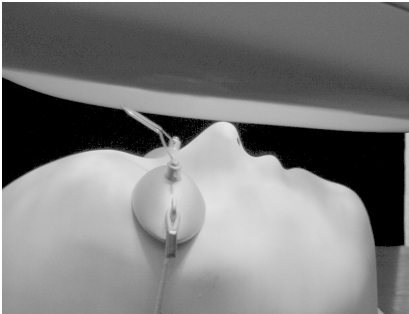




Figure 2



1.  Place the protective eye covers on your client. With eye protection in place, a standard light source should be administered to the client. The client should confirm that the light could not be seen.
2. The client should be in a relaxed, comfortable position that will allow the Model 1030 to be placed behind the client with the flexible arm reaching over the head.
3.  Maneuver the flexible arm unit so that the surface of the LED panel is approximately 1/2" away from the Face. (Figure 1).
4. Press the START button to begin the 10 minute treatment, (Figure 2).
5. The unit starts in the RED/IR mode, (skin treatment). Pressing the START button a second time switches the unit to the BLUE mode, (acne treatment), and pressing the START button a third time switches the unit to the RED/BLUE mode(acne plus skin treatment). Select your mode based on the treatment desired.
6. Align the Model 1030 with the clients face by repositioning as required.
7. When the session is over, swing the unit away from the clients face, and remove the eye protection. The treatment is complete

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## INDICATIONS FOR USE

The Panel Pulsator utilizes Light Emitting Diodes to provide light to the body. Generally indicated to:




- treat dermatological conditions and specifically indicated to treat moderate inflammatory acne vulgaris (Blue, Blue + Red light);
- provide topical heating to promote increased blood flow, relaxation of muscle and relief of pain (Red + IR light)

## CONTRAINDICATIONS





- Do not use on anyone that is pregnant, has epilepsy or is using any medication that is known to cause light sensitivity, e.g., tetracycline or Retin-A.

## CLEANING



**Cabinet** As required perform the following:

	Disconnect the power cord from electrical outlet before cleaning unit.
	Do not use petroleum-based solvents / cleaners. Do not use liquid directly on the unit.
	Clean cabinet with mild soap and water applied with a damp cloth - wipe dry.

## MAINTENANCE

	If the device is observed to not be operating properly, then discontinue use immediately and contact your distributor for service.
	No periodic service / maintenance requirements.
	Calibrated unit. Repairs must be performed by the manufacturer and verified to original standards. Contact your distributor concerning repair to prevent voiding the warranty.
	When disposing of this device or any accessories, make certain to abide by your local waste disposal regulations.

## CLASSIFICATION & SYMBOLS









	IEC 417-5172	CLASS II EQUIPMENT. Power Supply is Class II Equipment. Protection from electric shock is achieved by DOUBLE INSULATION
	IEC 348	ATTENTION. Read and understand all the information contained in this manual before operating unit.

## DISINFECTION / STERILIZATION

	No disinfection / sterilization requirements.
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### SAFETY PRECAUTIONS

	Use only GlobTek power supply REF GMT21089-1815-T3, REF G1200LCP-Y-MED. Replacement, contact distributor - request replacement kit REF 84-???????? which includes REF 62-0000150 power supply.
	To fully isolate the Model 1030 from the supply mains, unplug the AC cord from the power supply.
	The equipment or system should not be used adjacent to or stacked with other equipment and that if adjacent or stacked use is necessary, the equipment or system should be observed to verify normal operation in the configuration in which it will be used. Should interference be noted: - reorient or relocate the equipment. - increase separation between the equipment. - connect equipment into a different circuit.
	EQUIPMENT NOT SUITABLE for use in the presence of a FLAMMABLE ANESTHETIC MIXTURE WITH AIR or WITH OXYGEN or NITROUS OXIDE.
	Do not shine directly into the eyes or directly over thyroid gland (center of neck).
	Administer only after physician consultation if patient 1) is pregnant, 2) has epilepsy, and 3) taking any medication that would cause a sensitivity to light such as tetracycline or acutane, 4) any skin conditions that would be negatively affected by light stimulation.
	Indoor use only.
	Do not operate near water.

### SPECIFICATIONS

Power Switch	A power OFF/ON rocker switch is located on the back of the unit.
Operation Selection	A panel push button switch (START) allows the operator to start the application session.
Session Timer and Display	An internal session timer is set for the 10 minute session time at the start of the application. and will turn the applicator LEDs off at the end of the application. The timer is provided for the convenience of the operator and does not provide any safety related function.
Application LEDs	<p>Utilizes:</p> <ul style="list-style-type: none"> <li>- 5 high output red (625nm) optically coupled emitters at 160mW each.</li> <li>- 108 narrow beam blue (420nm) LED emitters at 18mW each.</li> <li>- 48 narrow beam infrared (940nm) LED emitters at 20mW each.</li> <li>- 72 narrow beam red (625nm) LED emitters at 20mW each.</li> </ul> <p>The LEDs are operated in one of three modes utilizing combinations of the LEDs. The Red-IR mode utilizes the 5 high output red emitters plus, the 72 red and 48 IR narrow beam emitters. The Blue only mode utilizes the 108 narrow beam blue LEDs. The Blue-Red mode utilizes the 48 narrow beam blue LEDs plus all red emitters at a proportioned level.</p> <p>Effective photo power:</p> <ul style="list-style-type: none"> <li>- 208 cm<sup>2</sup> application area</li> <li>- 22 mW/cm<sup>2</sup> peak output (Red-IR mode)</li> <li>- 13.2 joules/cm<sup>2</sup> peak per 10 minute session (Red-IR mode)</li> <li>- 12 mW/cm<sup>2</sup> peak output (420 nm Blue mode)</li> <li>- 7.2 joules/cm<sup>2</sup> peak per 10 minute session</li> </ul>

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Photopulsation	The light output is photo-modulated with a weighted set of frequencies that are continuously cycled between throughout the application. Photomodulation Frequencies* (Hertz - duration is seconds) 73Hz-4s, and 584Hz-1s.
Thermal Considerations	This device is intended to elevate the skin temperature to 40°C - 45°C (104°F - 113°F) when operated in Red-IR or Blue-Red modes.
Operation Rating	Not suitable for continuous operation. Designed to be operated at a 50% duty cycle. (e.g. 10 minutes operation followed by 10 minutes of non-operation)
Expected Service Life	5 Years
Physical / Environmental	Total Unit Weight: 17 lbs Operating ambient temperature range of +10°C (50°F) to +40°C (104°F) Operating humidity maximum 95% RH (no condensation)
Shipping / Storage	Unit Shipping Measurements: Size: 24"W x 24"D x 12"H, Weight: 24 lbs. Storage temperature range of -20°C (-4°F) to 50°C (122°F) Storage humidity maximum 95% RH (no condensation)
Power Supply	Power supply input requires 100-240VAC, 50-60Hz @ 2.0A max. IEC C14 input receptacle. ⚠ Use only GlobTek power supply REF GMT21089-1815-T3, REF G1200LCP-Y-MED. Replacement, contact distributor - request replacement kit REF 84-??????? which includes REF 62-0000150 power supply.
Warranty	For specific warranty issues, please contact your distributor.
Repair	Units contain no user serviceable components. Contains calibration devices and/or calibrated circuitry. Any repair would require that the device be tested for proper operation and verified that it is functioning to established specifications. This involves the use of fixtures, equipment and procedures that would not be field deliverable. All repairs should be performed by the original equipment manufacturer where the device operation can be verified to the original manufacturing standards. To arrange for repair services, please contact your distributor.

### CONTACT INFORMATION

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