



CONTOUR
LIGHT

Contour Light CL-10 Operations Manual

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V-1.3

This device is made entirely in the U.S.A.



ATTENTION: Read complete manual before performing a treatment. Return Warranty Registration Card within 7 days of receiving system (last page of Manual).

Set Up

The Contour Light System Package includes the following: the CL-10 controller unit, power supply, 4 large light pads (28" x 12"), 2 arm pads (22" x 9"), Face Mask, 1 each of a full-size/stand-up poster, wall poster and counter-top poster/display, Contour Light measuring tape, 8 each disposable/reusable large pad covers, 4 disposable/reusable small pad covers, "Y" cable for the arm pads to operate from one port, 2 straps for securing arm pads and manual. Please confirm that you have received all of these items and contact your sales representative or the Contour Research Customer Service department at 855-932-6686 to notify them immediately if there are any missing items.

The rolling cart will be coming in a separate shipment from our partner vendor and will have directions on how to set it up.

Remove the CL-10 controller unit, power supply and 4 light pads from the shipping container. First connect the power supply to the power connector on the back panel of the controller unit; there is an alignment indicator on the power supply connector and a matching alignment indicator on the connector within the back panel. Position the alignment indicator to be at "12 o'clock". Once the power supply is connected to the controller unit, plug the power supply into a working wall socket; it is highly recommended to utilize a surge protector to avoid any electrical surges that could damage your new device.

Next, plug in each of the light pads/face mask into the ports/connectors on the front panel of the CL-10 controller unit (there are 6 ports/connectors on the front panel of the controller unit, the light pads/face mask can be connected to any of those ports). There is an alignment indicator on each of the light pad connectors and a matching alignment indicator on each of the 6 ports/connectors within the front panel of the controller unit. Position the alignment indicator to be at "12 o'clock".

Power up the CL-10 by pressing the on/off switch, which is located next to the power supply connector on the back panel of the controller unit. Verify that the system powers up properly. If there is no activity displayed on the touch screen of the controller unit, verify that there is power coming to the Contour Light power supply (there is an LED that lights up on the power supply when power is available from the wall socket). If there is still a problem, immediately contact your sales representative or the Contour Research Customer Service department at 855-932-6686 to notify them of the issue. Do not throw any packaging materials away; you will need these containers in the event you have to send your unit back to the factory.

The screen should now display 30:00 on the very center of the screen, with 11 button/options. These buttons/options and features control the following functions:

30:00 – This is the minute and second counter, indicating the number of minutes the system will stay on during a treatment once the "START" button has been pressed. The default setting is 30:00.



START – The large, blue button controls the lights and will turn them on (or off) based on which of the 6 ports (the 6 buttons aligned across the bottom of the screen) are activated. When the “START” button is pressed, the ports will be activated and the timer will start counting down in seconds and minutes. When the timer reaches 00:00, the ports will be deactivated and the lights will turn off automatically. The treatment can be stopped at any time by pressing the same button.

TIMER RESET – After each session is finished, or at any time when the light pads are not in operation, the operator can press this button to reset the timer to the default setting of 30:00.

UP and DOWN ARROWS – The up arrow will adjust the timer setting up in increments of 5:00. The down arrow will adjust the timer setting down in increments of 5:00. The system can be set for a minimum of 5:00 and a maximum of 45:00.

SOUND ON/OFF – The button that displays a speaker with sound emanating from it controls the on/off buzzer. If the sound of the buzzer is too disruptive for the ambiance of the business, the sound can be turned off.

PORT 1 through 6 – The 6 buttons that are displayed across the bottom of the screen control the corresponding 6 ports/connectors that are on the front panel of the controller unit where the light pads are connected. If the display for any of these 6 ports says “OFF”, that port is not activated. Activation of each port is achieved by pressing the button so the display reads “ON” and the color of the button turns from white to blue. The light pads will not illuminate unless the port is activated.

0005 – In the upper right-hand corner of the screen there is a 4-digit number, which is the minute counter for the unit. When the system comes from the factory, this number should register 0005 (the 5 minutes on the system is from post-assembly testing); verify that the counter is at 0005 when you receive the unit. Each minute the system is in operation, this 4-digit number will increase by 1.

Once you have powered up the system and connected the light pads/face mask to the controller unit, you can test your system and light pads. Press all of the corresponding port buttons on the touch screen for each of the light pads you have connected to the controller; if the port button says “ON” and turns blue, that port is activated and ready to operate the light pad that is connected to it. Test all light pads by connecting all of them to the controller unit, pressing the corresponding port buttons on the touch screen and then pressing the “START” button. The “START” button should turn red and say “STOP”, and the light pads should illuminate. You can press the “STOP” button at any time to end your test. Quickly check all pads to make certain all of the LEDs on each of the pads light up: the light will not hurt your eyes if you just look at the pads for a short period of time and from an angle (looking straight down at the LEDs will be much more intense than from a side angle), but it is not recommended to stare at the LEDs for an extended period of time while they are lit.



WARNING – Do not stare into the light pads while they are illuminated as it could cause temporary vision issues. The light is safe for casual examination, but it is not recommended to look at the bright lights for an extended period of time.

If none of the LEDs on a particular light pad will illuminate, check to make sure the port has been activated by visually confirming the corresponding port button says “ON”. If the port is activated, but all the LEDs on the light pad are not illuminated, check to make sure that light pad’s connector is completely seated into the connector on the front panel of the controller unit. Also check each light pad to see that all of the LEDs on the pads are illuminated. If a light pad will not illuminate, or some of the LEDs on a particular light pad do not illuminate, immediately contact your sales representative or the Contour Research Customer Service department at 855-932-6686 to notify them of the issue.

Operation of the Contour Light System

ATTENTION: Before using the system for the first time on a patient, the clear plastic covers must be installed on the light pads. Read full instructions before operating system.

Performing a treatment with the Contour Light system is effortless; it could even be offered as a self-serve type of procedure. The pads can be placed on the top of, underneath of, or both on top and beneath a customer and then the “START” button is pressed. The system timer defaults to the setting of 30:00 minutes, while the energy level is non-adjustable, leaving the operator with the single and simple decision of how to place the light pads. The patent-pending design of the Contour Light system includes light pads are made of soft neoprene material, coated with a reflective layer, and are comprised of 320 LED components embedded within the neoprene. The pads are flexible in the lengthwise direction, allowing the placement of each pad to match the contours of the customer’s body. The light pads must be placed so the LEDs/lights are facing the customer’s body/skin. There are no restrictions on how the pads are placed other than the fact they will not flex in the width-wise direction and must not be forced to bend that way or they will be damaged (pad electronics that are broken due to flexing the pad width-wise are not covered by the 1-year warranty). Customers can lay on top of the pads without concern for injury and the only restriction regarding this application is the pads should be placed under the customer, and removed from under the customer, without allowing the customer to push down on the pads with a hand, elbow, knee or hip (any body part that could apply a concentrated amount of pressure on a small area of the pad), which could cause damage to the light pad electronics.

Prior to placing the pads on your first customer, the clear protective cover should be applied to the LED/reflective side of the pad for sanitary purposes. The clear protective cover has two strips of adhesive tape, one on each side of the long edge of the cover, with a paper backing that must be removed just prior to application of the cover to the



light pad. The easiest way to install the covers is to remove one paper strip first, apply the exposed adhesive edge to the light pad (if you don't get it on the pad straight, gently peel the cover from the pad and reapply/straighten it), then peel the other paper backing off and apply the other adhesive strip to the pad. This clear protective cover can be wiped down with a standard disinfecting, disposable wipe in between customers, providing each customer with a sanitary surface for their treatment; baby wipes are ideal. Do not use a wipe that has an excessive amount of alcohol due to the possibility of the alcohol weakening the adhesive holding the cover to the light pad, damaging the reflective coating or causing a separation of the light pad layers. Also avoid wipes with bleach or ammonia, which will discolor or damage the pad material or clear plastic cover. If the clear protective cover starts to appear discolored, worn, or the adhesive strips no longer hold them in place on the light pad, they can easily be replaced by gently peeling the old cover off of the light pad and replacing it with a new cover.

The light pads can be placed directly on any body part, with the exception of the face, and can be moved to multiple locations during one treatment if the pads do not cover a sufficient area with one placement. If the customer is rather large, the light pads can be placed to cover one side of the customer and, after the timer expires, have them roll over and the pads can be placed on the other side of their body for another session. It is safe to treat a customer with multiple sessions during a single treatment; the light will not harm the patient in any way.

System Specifications

Electrical	115VAC w/ground - Source 18V 5.6 Amp DC - Power Supply
Light Output	12,800 mW per Light Pad 51,200 mW total w/4 Light Pads
Machine Weight	5 lbs
Light Pad Weight	2 lbs each (4 total per system)
Dimensions	4.5" (h) x 9.25" (d) x 12.25" (w) Controller .75" (thick) x 28" (long) x 12" (wide) Light Pad

Important Safety Reminders

Do not submerge the light pads, the controller unit or the power supply in water or liquids as it will result in a short circuit of the electrical system, causing permanent damage to the system and possible injury or death to you or your customer. The warranty is void if this system is submerged in liquid.

Looking directly into the LED light pads while the system and light pads are turned on can result in vision issues and is not recommended. A casual glance or viewing the LEDs from a side angle will not cause any problems for you or your customers.



Do not place the light pads directly on a customer's face as it could cause breathing problems and possible suffocation.

A patient who has any of these symptoms or conditions should not be treated with the Contour Light system:

- Pregnant or breastfeeding
- HIV/AIDS
- Hepatitis C or D
- Cancer (active or within 1 year of remission)
- Pacemaker
- Uncontrolled high blood pressure

A patient who suffers from any of these conditions may or may not experience expected results:

- Liver or Kidney disease/disorder
- Thyroid Disorder
- Alcohol or Drug addiction

ATTENTION: Patients that are in poor health should consult their physician before starting these treatments or any type of weight loss/exercise program: patients with existing medical conditions that are potentially life threatening should be referred to their physician and be denied treatment.

Handling Precautions

The system is made in the USA from durable materials and components, however that does not mean it is indestructible. Handle the Contour Light system controller unit, light pads and face mask as follows:

- Pick up the face mask by the handles only, do not pick up the face mask by the rubber/silver coated areas because this will damage the silver coating and this damage is not covered by the warranty.
- Do not submerge the controller unit, power supply or light pads in water or liquid.
- Do not use a sharp or pointed object on the touch screen of the controller unit. Only use your finger and use a gentle touch. Try using a gentle touch with the back of a finger nail. Pressing very hard, aggressively or heavy tapping should not be required. Please contact your sales rep or the Contour Research Customer Service Department if your touch screen is not very sensitive.
- Do not attempt to bend the light pads in the width-wise (12") direction; the pads will be flexible in the lengthwise (28") direction, but not in the width-wise (12") direction. Over flexing in the 12" direction will damage the electronics within the light pads and will void the warranty.
- Do not attempt to "roll up" or crease the light pads; over flexing by bending the light pads in a tight roll or at a 90°



angle may cause damage to the electronics within the light pads and will void the warranty. Over flexing may also cause the reflective coating to become delaminated.

- The light pads are durable, but may not withstand concentrated pressure in one place. Do not apply pressure to the light pads with a pointed object or part of the body: elbows, knees, feet, hands, hip bones should not be pressed down aggressively, with weight, onto the light pads as it may damage the electronics within the light pads. This is a possible concern when the bed/table being utilized as the treatment bed has a soft/padded surface that does not give a solid backing/support to the light pad. If the bed/table is firm, with limited padding, there is less of a possibility of causing this type of damage. It is safe to lie on the light pads, with the customer's weight being somewhat evenly distributed, without applying concentrated pressure on any one part of the light pads or indenting the light pads too far into a soft/padded bed/table.
- Use the handle when picking up the light pads. Do not pick up the light pads by holding onto the power cord. The power cord is securely attached to the electronics within the pads, but is not designed to hold the weight of the light pads for any period of time.
- Do not swing the light pads around excessively while holding onto the handle. The handle is securely attached to the neoprene pad and to the circuit board structure within the light pads and will stay attached over many years of use, but is not designed to withstand abuse.
- Do not drop the light pads on a hard floor surface or aggressively bump the light pads against a hard object as it may damage the LEDs in the light pad. The LEDs are very durable, plastic components, but may not be able to sustain a hard strike against a solid/sharp object or surface.
- Do not store the light pads in a flexed/bent position or with an object on top of the light pads. It is recommended to hang the light pads by their handles when not in use. The rolling cart offered by Contour Research, LLC is designed with custom-made hooks to hold the handles of the Contour Light light pads.
- Do not try to clean the reflective coating on the light pads with an excess amount of alcohol and/or rubbing as it will remove the reflective coating. Do not use any type of solvent such as acetone or paint thinner at any time, in any amount. Damage to the reflective coating, or de-lamination of the reflective coating from the light pad, is not covered in the warranty due to the difficulty of determining the cause of the issue.

Trouble Shooting for Operational Problems

If you are experiencing problems, before you contact your sales rep or the Customer Service Department of Contour Research, LLC, first check these very simple possible resolutions. This will save you time and frustration while allowing the support personnel to be free to help resolve other issues.

- Check the power outlet that you are using for the Contour Light system to make sure it is active. Plug another device that you know for certain is operable into that socket and make sure it powers up.
- Check the light on the Contour Light system power supply: there is a small LED on the rectangular box of the power supply that will light up when the power supply is plugged into a functioning electrical socket.
- Check to make sure all cords are securely inserted and properly aligned in their corresponding connector on the controller unit.



- Check to make sure all ports are activated. Review the “Set Up” section of this Manual, specifically the “Port 1 through 6” paragraph.

These simple steps should resolve or identify the majority of possible issues with the Contour Light system. Any unresolved issues should be brought to the attention of your sales rep or a Customer Service representative with Contour Research, LLC. Call 855-932-6686.

Warranty Registration Card and Operator Training Certification

Must be returned within 7 days following the date of delivery.

The Contour Light has a 1-year warranty for parts and labor (excluding shipping and handling), to the original registered purchaser. Extended warranties are available for purchase, please contact your factory representative for more information. The warranty is void if it is determined by the factory that the machine has been operated not in compliance with the operations manual or has been subjected to abuse or misuse.

The Warranty does not cover:

- Consumable items on the Contour Light Order Form
- Options that were purchased with the Contour Light CL-10 system
- Damage caused by natural disasters, including flood, fire, wind and earthquake
- Parts external to the controller chassis and disposables
- Damage caused by improper use, abuse, tampering or dropping
- Damage caused by incompatible voltage
- Damage to the silver coating of the face mask caused by handling the rubber/silver coated areas of the face mask: the face mask should only be picked up by the handles

Limitation of Liability concerning Contour Light systems and options purchased with the Contour Light system: Contour Research, LLC, or its independent representatives or distributors are not liable for indirect or consequential damages of any kind, including, but not limited to, loss of business and revenue, or any financial loss out of, or in connection with the sale and installation, performance or failure of use, of said product.

Contour Research, LLC, or its independent representatives or distributors will not be liable for damages or injuries caused by authorized or unauthorized use by licensed or unlicensed personnel, or those without proper training in use of said unit or for treatments beyond the scope of the system, including treatments on “at-risk” patients (see Important Safety Reminders in Manual).

By purchasing and/or registering this unit with Contour Research, LLC, you, the purchaser of said product, are accepting this Warranty and Limitation of Liability Agreement as written in this manual.



**CONTOUR
LIGHT**

Model _____ Date of Delivery _____

Serial Numbers: Controller _____ Pads _____ Other _____

Purchaser Name _____ Purchaser Signature _____

Purchaser Address _____

Purchaser Telephone _____ Sales Representative _____

Sales Representatives or Purchaser: please fax this page to (949-858-6969)



