ACU PUNCTURE LIGHT

USER MANUAL

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Caution:

Some of the **moxaLight** products components contain elements that are not ordinarily found in typical medical equipment and may produce undesired effects, therefore in-discriminant use of any **moxaLight** products is not recommended except under the direction of a trained health care professional. For any suspected or known illness or health concern, always consult with your physician or health care provider prior to the purchase or use of any **moxaLight** products. **moxaLight** products may be powered from a power supply connected to AC voltage. To reduce the risk of electric shock **moxaLight** products have to be serviced and operated by trained personnel only. **moxaLight** products may be alternatively powered from a battery pack for mobile usage. Charging the battery pack simultaneously with powering the **moxaLight** products is strictly prohibited.

Warning:

When using **moxaLight** products, basic safety precautions should always be followed to reduce the risk of fire, electrical shock, burn and personal injury. If anything unusual occurs STOP USING **moxaLight** products immediately!

To reduce the risk of fire and electric shock do not expose **moxaLight** products to water, rain or moisture. Do not abuse electrical cords. Do not leave **moxaLight** products unattended. Guard against electric shock. Prevent body contact with exposed wires or grounded surfaces or grounded surfaces like pipes or appliances. Do not use near water. Always inspect **moxaLight** electric cords and light emitters and avoid damaged ones. **moxaLight** products light sources may be very intense please avoid eye contact. If heat is generated in excess STOP USING **moxaLight** products and disconnect power immediately!

OPTIONS:

1. **LIGHT EMITTERS**
   (acupuncture point stimulation)
2. **LIGHT HELMET**
   (rejuvenation, meditation)
3. **LIGHT SINUS PACIFIER**
   (stimulation, rejuvenation)
4. **LIGHT ARRAY 16x16**
   (therapy)

The center piece of the **moxaLight** is an electronic device defined as the controller and is capable to generate specific light patterns.

🔴 The controller has several factory PRESET-s for different light patterns, one can select from the round-robin top left button.

🔵 Several MODE-s are switch-able from the center left button.

🟣 Customized light patterns can be selected with the embedded WI-FI access point and with the help of a smart phone, tablet or PC, the light pattern set-up page can be accessed and edited. WI-FI setup and access point information is displayed on the controller status OLED display. WI-FI can be turned on/off with the bottom left button.

🟢 Lights can be turned off after a number of minutes with the help of a built in TIMER. Timer round robin time setup is controlled by the top right button and each press adds 15 minutes.

🟡 For faster light intensity dimming control, the center right button will round robin 20% decrements per push.

🔵 The right bottom button, when lit, will change the frequency for beats difference or pulse modes .

⚪ The top display AUX OUTPUT indicator shows the auxiliary output status. The auxiliary output is placed on the lateral side of the controller and connects to control the light helmet
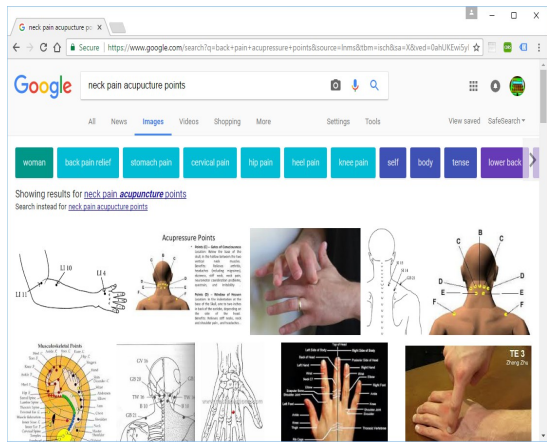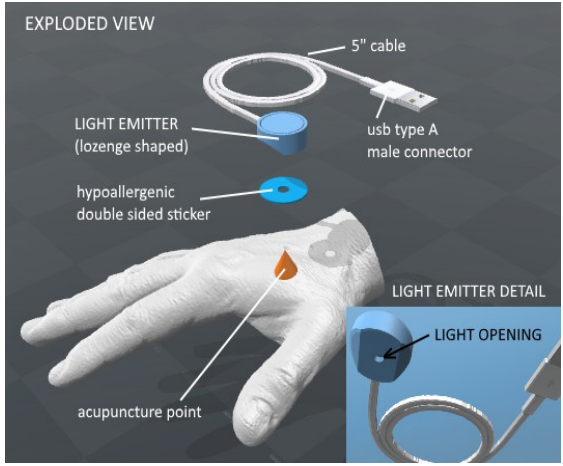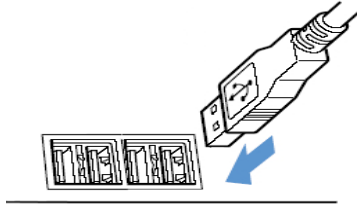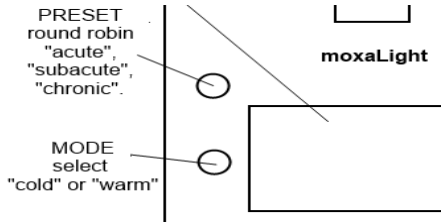
and the light array. If RGB shown on display, the numbers under will indicate the box, array and helmet r, g, and b color intensity values. When SEQ is displayed, different memory maps of rgb values are recalled. The symbol M followed by a number will indicate the memory set active. The MODE button selects the sequence direction and the memory recalled set in a round-robin style.

To switch any function keep selected button pressed for approximate 2 seconds or till status display confirms and registers the selected change.

MoxaLight controller setup can provide several functions. Different light devices can be connected and certain procedures can be performed according to the following table:

FUNCTION vs DISPLAY	PRESET ●	MODE ●	Top center controller oled display		OUTPUT Front USB-A connectors for Light emitters or Light Sinus Pacifier	OUTPUT Side micro connector for Light array or Light helmet	FREQ ●	WEB ●
Acupuncture point stimulation	acute	cold	RGB	606	Recalls factory presets for light patterns according to the selected PRESET and MODE	Recalls factory preset color showed under the RGB display. The whole array or helmet will show the same color. For other colors and intensities use WEB interface.	No display	Customize Light patterns
	acute	warm		066				
	subacute	cold		060				
	subacute	warm		660				
	chronic	cold		006				
	chronic	warm		600				
Meditation	beats	main		321			Main freq. Round robin decrements	
	beats	beat					Beat freq. Round robin increase	
Light Therapy	pulse	alt		600/303	Alternates two colors		Scroll Frequency	
	pulse	iso		600/000	Alternates color on with off			
	pulse	-1/4	SEQ	M1	Scrolls one color with the x/4 fill factor, direction minus or plus	Recalls set 1 of 4 memory sequences		
	pulse	+1/4						
	pulse	-2/4		M2		Recalls set 2 of 2 memory sequences		
	pulse	+2/4						
	pulse	-3/4		M3		Recalls set 3 of 4 memory sequences		
	pulse	+3/4						

Acupuncture point stimulation cheat-sheet instructions:

User instructions	Easy to use as 1-2-3-4
1. Identify the specific acupuncture points, by contacting an accredited professional or by internet search. Use a search engine by typing "...acupuncture points". From images search select the most appropriate and effective acupuncture points for stimulation.	
2. Apply light emitters on top of the desired acupuncture points previously identified. The light emitter is lozenge shaped and has a circular opening for light to come out on one side. Place the hypoallergenic double sided sticker with the hole on top of the light opening for the holes to match. Stick the lozenge on top of the point to be stimulated.	
3. Connect the light emitters USB male connector to the **moxaLight** controller USB female connectors.	
4. Select one factory preset for the light pattern by pressing the top and center buttons located on the left side of the controller box.	

Enjoy 15 to 60 minutes of relaxation while your inner energy gets balanced.

The web setup interface provides visible and invisible pulsating frequencies together with a light color. Two sets of each can be alternated by setting a toggle time.
For the visible pulsating frequency numbers between 1 and 50 can be entered in the specified input boxes:

2 to **4 Hz** Addresses ACUTE pain and inflammation.
4 to **10 Hz** for SUB-ACUTE pain, related to joint pain and arthritis.
10 to **50Hz** for CHRONIC pain, including muscle tightness

For the invisible pulsating frequency input boxes, marked as bias frequency ,numbers between 1 and 1500 can be entered.

F-73 Hz Stimulates osteoid activity such as endomorfine, CCK8 and orphaniine, improves circulation.
G-146 Hz Stimulates sub-acute conditions, helpful in reducing inflammation associated with injuries and infections. Is called the "universal frequency" because most problems involve inflammation. Try for any condition.
A-292 Hz Tones tissue and triggers healing. This is called the "double universal frequency" in acupuncture.
B-584 Hz Use for circulatory and lymphatic stimulation in chronic conditions.
C-1168 Hz Stimulates relaxation.

For the color input boxes, each holds 3 digits, from 0 to 9 range. Each digit represents a primary color: first is for red, second for green, and third for blue. By placing a number between 000 and 999 different primary colors intensities can be mixed and colors can be obtained. I is considered the desired intensity.

RED	**R=I, G=0, B=0**	Good for circulation, chronic illness, strengthens kidneys, heart, muscles, blood, lungs, bones.
ORANGE	**R=2x I/3, G= I/3, B=0**	Good for depression, cramping anywhere in body, relaxant, sclerosis, heart disease, boosts immune system, circulation, raises blood pressure.
YELLOW	**R= I/2, G= I/2, B=0**	Good for digestion, stomach, gall bladder, liver, immune system, fortifies endocrine and nervous systems, helps chronic to become acute.
GREEN	**R=0, G= I, B=0**	Good for liver, swelling or growth, anti-inflammatory, gout, diabetes, promotes healthy bones, painful joints, allergies.
TURQUOISE	**R=0, G= I/2, B= I/2**	Good for immune system, skin, mental relaxation, acidic, fortifier, regulates lung/large intestine systems.
BLUE	**R=0, G= 0, B= I**	Anti-bacterial, anti-infection, anti-cramping, headaches, facilitates restful sleep, pain relieving, nervousness, insomnia, hemorrhage, herpes, warts, lowers blood pressure, fever.
VIOLET	**R= I/2, G= 0, B= I/2**	Good as for menopause, spleen, sedative, relaxant, lymphatic relaxant, anti-viral.
MAGENTA	**R= I/3, G= 0, B=2xI/3**	
OLIVE	**R= I/2, G= I/2, B=0**	
WHITE	**R= I/3, G= I/3, B= I/3**	

Meditation, optical beats instructions:

Similar, with the bin-aural beats, two light emitters are used and their pulsation frequencies are slightly different from each other.

State	main	beat	difference
Focus, crown	21	6	15
Creativity, navel	21, 14	11, 4	10
Relaxation	21	15	6
Sleep	21	18	3
Chanting	21	17	4
Intuition,heart	21, 8	15, 4	6
Healing,root	21	13	8
Alpha	21	12	9
Euphoria	21	1	20
third eye	17	4	13
throat	16	4	12
sacral	15	4	9
root	12	4	8

The MODE button can be used to select which frequency can be modified by displaying main or beats. The FREQ button changes the frequency selected by MODE in a round robin style. Also the web setup interface can be used to modify the beats preset frequencies.

Light therapy, Pulse instructions:

Under the pulse preset several modes are available.
1. **alt** alternates between two preset colors with the FREQ displayed frequency.
2. **Iso** turns on an off one preset color with the frequency displayed under FREQ.
3. **1/4, 2/4 and 3/4** recalls memory sets and have different outcome for the front and .
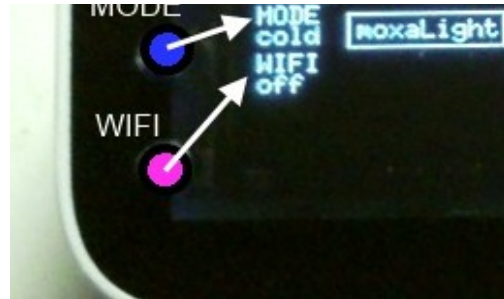   For the front connectors the effect is similar with the chasing lights with 4 circuits. In 1/4 one circuit is on from four. 2/4 , only two circuits are on and 3/4 three circuits are on from four. Chasing speed is determined by the value displayed under FREQ. The assigned button can modify the chasing frequency in a round robin style. The chasing direction can be modified with the MODE button.
    For the auxiliary side connector the controller recalls 2 (2/4) to 4 (1/4 , 3/4) light arrays maps. The recall frequency and direction +/- can be also changed from FREQ and MODE buttons.

Easy steps on how to access the **moxaLight** embedded WI-FI web server setup page:

1. Turn on the embedded wi-fi access point on the MOXALIGHT controller. If controller main OLED display shows WI-FI off, press the bottom right button to turn it on. The OLED will show the status plus information of the wi-fi access point name and the access password.	

2.

With wi-fi on three scenarios are available:
- **A**-connect to an existent wi-fi with internet connection(if ssid and pass are already in process is automatic)
- **B**-setup wi-fi ssid and password for an existent wi-fi with internet connection
- **C**-light patterns setup- with he built in wi-fi access point AP or with the ip address given for the existent wi-fi with internet connection.

2 A When controller is connecting to an existent previously set internet connection the **pls wait** text appears on display next to the WIFI mark. Under it will display the SSID and password it tries to connect to. If successful read **2C** instructions otherwise **2B**.	

2 B To confirm the node for entering an existent wi-fi internet connection the **ssid setup** word appears on display next to the WIFI text. Under it will display the SSID and password you need to connect to with your smart device. Once connected, set your browser address input box to the ip specified on display. Please follow instructions from **5**.	

2 C

If step presented in 2A is successful then the controller should be connected to your internet wi-fi network.
Reconnect your smart device to your existent internet wi-fi connection and set your browser address this time to the new displayed ip. The light setup page will show the light setup page as shown in **7**
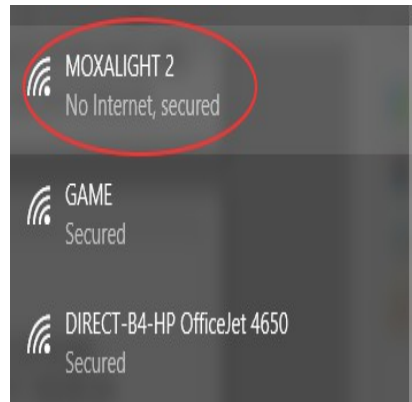
3.

Connect to an access point name with the specific password, both displayed on the controller's OLED main screen.
Use a smart phone, tablet or portable computer with wi-fi to connect. Open the wifi setup and connect to the desired ssid with the given password.
Use an html5 browser and type the given ip address into the address input box. Typing the ip in the search engine input box will not work.
Browser will show up either wi-fi setup page or light setup page. Each mode is actually specified on the controller display.

4.

If the unit cannot connect to an existent wi-fi or user does not use wi-fi setup page , the controller will switch after 5 minutes to the AP (access point) mode where the light setup page can be accessed directly by connecting to the displayed SSID and PASS. Connect and bring up a html5 browser. Just type in your browser address input box the ip shown on display.
The wi-fi setup page will be shown on your web browser.

5.

If in wi-fi ssid setup mode is on the following setup web page will be shown.
Select the desired wi-fi SSID by pressing the button wit its name and enter the password. Submit and wait till the controller connects to the specified SSID. If successful, the controller display will show that unit is connected to SSID... with PASS *. Please reconnect to your new SSID and access your browser.

moxaLight WIFI ssid setup

Before using any moxaLight products read warnings ans disclaimers at: www.moxalight.com
For server control an Internet connection is needed.
Enter your wifi connection settings:

Refresh for available wifi

Select your SSID:

Family Room TV

DIRECT-B4-HP OfficeJet 4650

MySpectrumWiFi4c-2G

CanoFamily

SSID:

Pass:

Submit

After ssid submit please follow controller oled screen instructions to access the moxaLight web setup

6.

If in WIFI web setup mode the following light patterns setup page will be shown.
Fill the desired values into the input boxes.
After pressing the browser submit button, the controller will receive the new values and will display MODE web.

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moxaLight WIFI web setup

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Light patterns are recalled by pressing buttons till display acknowledges the change or by entering values into the following input boxes

light parameters

Pattern A
frequency(Hz) 7
color (rgb) 303
bias(Hz) 588

pattern B
frequency/base(Hz) 21
color/(rgb) 600
bias(Hz) 294

with
toggle(sec)/offset(Hz) 4
array color(rgb) 111
mode 4

Submit

frequency visible pulsations 0-25 Hz
color intensity red green blue digits, range for each digit 0-9
bias invisible pulsations 50-1k Hz
switch toggle time 1-20 sec / offset frequency 0.25-20 Hz
mode 1-3 aleviation, 4 beats, 5-8 pulse