

# LIGHT ~~ACU PUNCTURE~~

**moxaLight**  
led light kit for acupuncture point stimulation



## USER MANUAL

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moxaLight controller may be powered from a power supply connected to AC voltage. To reduce the risk of electric shock moxaLight controller has to be serviced and operated by trained personnel only.

moxaLight controller 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 electric devices as 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 products 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!

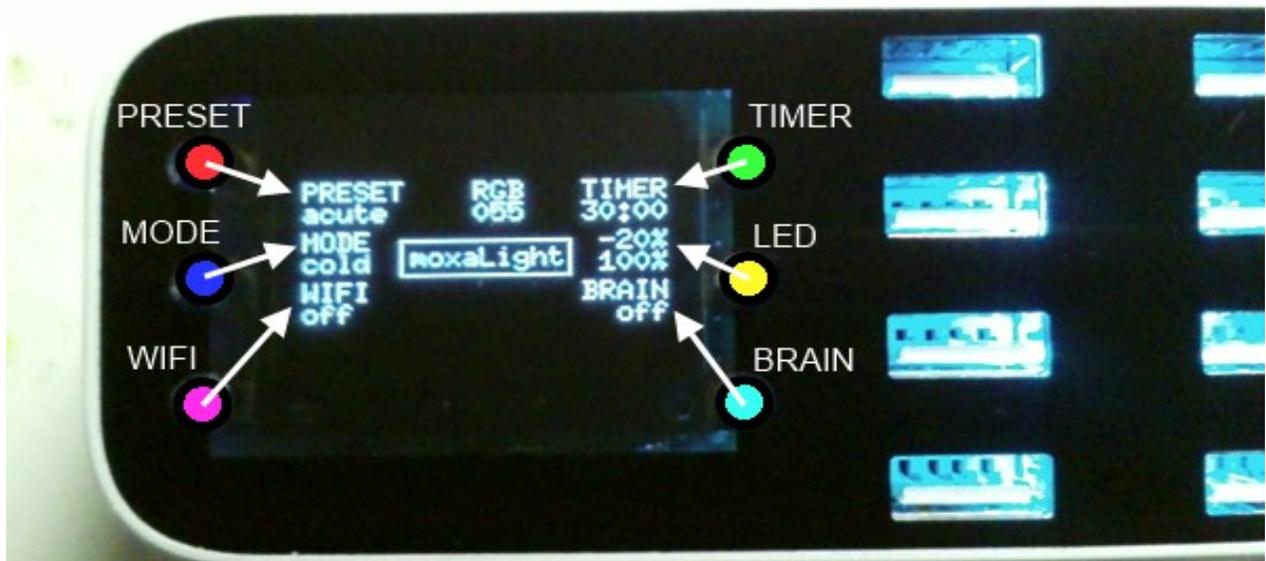
SCAN HERE!



Please watch our instructional video:  
<http://moxalight.com/video>

#### PARTS IN THIS KIT

- (1) MOXALIGHT Controller
- (1) AC Power cord US,EU,UK
- (7) Light Emitters (LED) with 6'(2m) cords

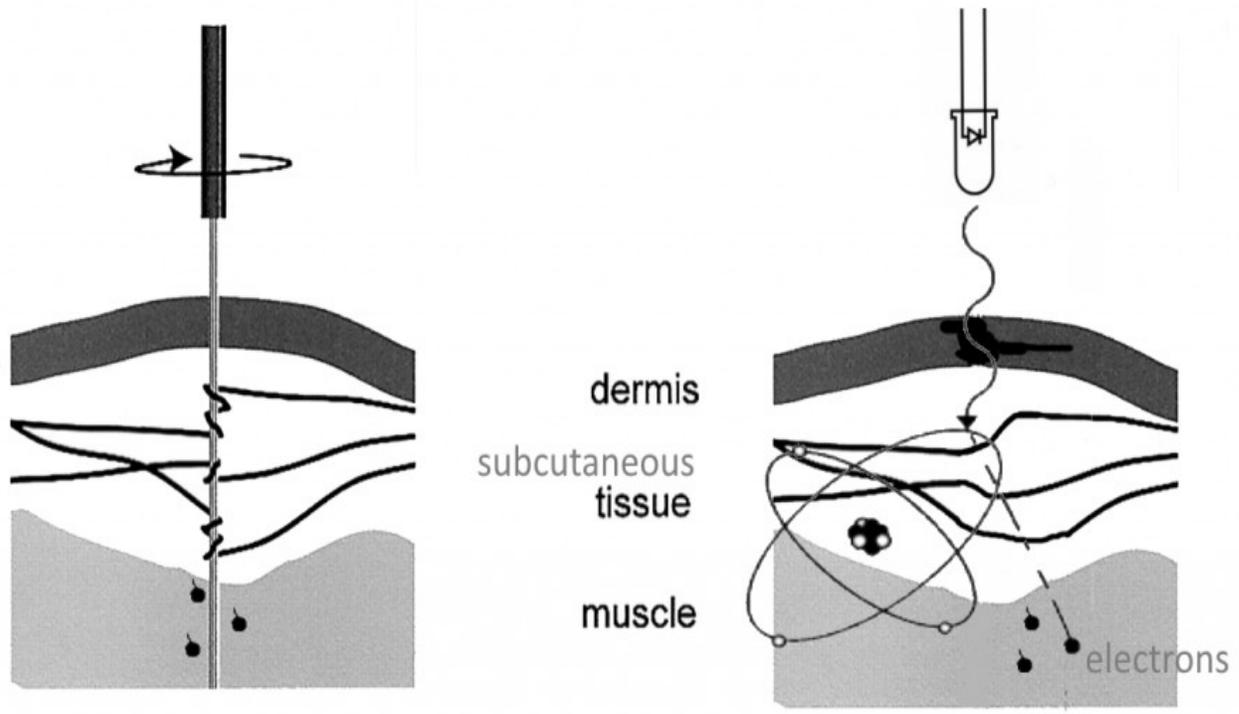


The center piece of the **moxaLight** is an electronic device defined as the controller. The controller together with the light emitters is capable to generate specific light patterns and stimulate acupuncture points without any needles. The controller has 3 factory PRESET-s for different light patterns select-able round-robin from the top left button ● and two MODE-s , “cold” and “warm” switch-able from the center left button ●. For customized light patterns the controller has an 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 10 minutes. For fast light intensity dimming control, the center right button ● will round robin 20% decrements per push. The right bottom button ● will change the rotating frequency for the optional brain kit. The top RGB display indicator shows the selected color for box or the future LED Array option.

**To switch any function keep selected button pressed for approximate 4 seconds or till status display confirms and registers the selected change.**

## The science behind acupuncture point stimulation with colored pulsating light

In traditional acupuncture is theorized that stimulation is generated by a metallic needle. The needle can be used as a stand alone or helped by electric current to concentrate and energize electrons around the entry point. In **moxaLight** case the electrons around the stimulated point are energized by the photons created by a non coherent light emitter. The following picture shows the process believed to take place in the case of classic acupuncture and in the process of light stimulation:



To energize the electrons and enhance the light stimulation process for acupuncture and acupressure points without needles, **moxaLight** uses a patent pending technique to quad modulate the light in a specific pattern characteristic to certain conditions.

The light patterns are defined by:

- the visible pulsating frequency between 1 to 25Hz,
- the bias invisible frequency which can vary between 70 to 1500 Hz and
- the light wave length, known as color. The color is defined as a combination of the primary colors red, blue and green and it will be referred in the manual as RGB color.

For each light emitter two sub-patterns are available and toggled.

For brain lobes stimulation an extra modulation factor is available. The frequencies are in the range of alpha, beta, delta, theta, gamma brain waves. Plus or minus will mark the direction of rotation if light emitters are placed in a circular shape.

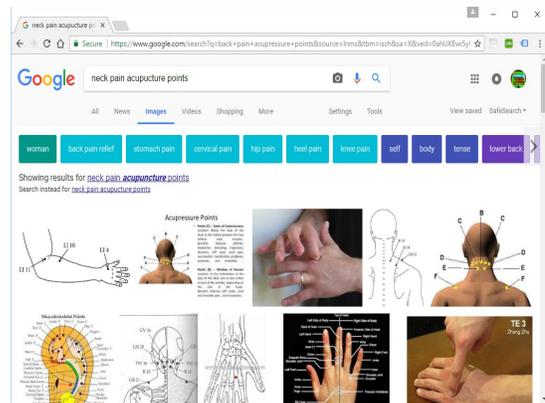
All parameters values can be changed in the web setup page accessed through the built in wi-fi server.

## User instructions

1.

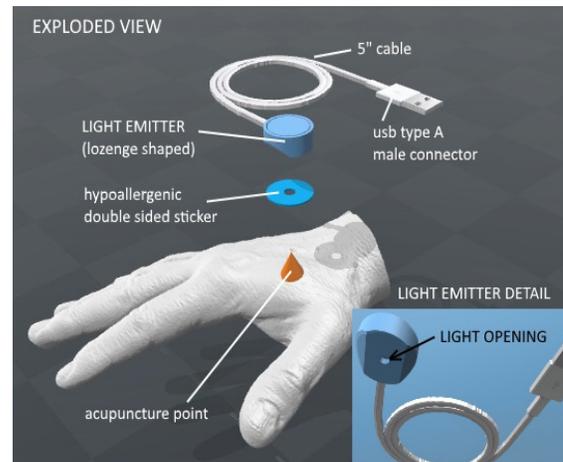
Identify the specific acupuncture points, by contacting an accredited professional or by internet search. Use a search engine by typing "...acupuncture points". From images search select the most appropriate and effective acupuncture points for stimulation.

## Easy to use as 1-2-3-4



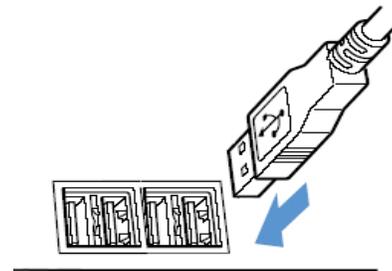
2.

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 20 to 40 minutes of relaxation while your inner energy gets balanced.

**Frequency selection guide:**

The web setup interface interface provides visible pulsating frequency input boxes. Numbers between 1 and 50 can be entered.

- 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

**Bias frequency selection guide:**

The web setup interface interface provides bias, invisible pulsating frequency input boxes. 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.

**Color selection guide:**

The web setup interface interface provides color input boxes. Each input box holds 3 digits, each from 0 to 9. 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 different colors can be obtained. 0 represents the minimum and 9 is the maximum light intensity for each primary color. As a notation sign # will be used as the desired intensity digit (0 to 9) and #/2 will be used as half of the desired intensity.

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

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

## A.

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 **WIFI** status plus information for access point SSID name and the access password.



## B.

With wi-fi on several scenarios are available:

- **WIFI !** - connect to an existent wi-fi with internet connection( if SSID and PASS are already in connection process is automatic)
- **WIFI setup** - setup wi-fi ssid and password for an existent wi-fi with internet connection
- **WIFI AP or WIFI STA** - 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.

## WIFI !

When controller is connecting to an existent previously set internet connection the ! sign appears on display next to the WIFI text. Under it will display the SSID and password it tries to connect to. If successful read **WIFI STA** instructions otherwise **WIFI setup** or **WIFI AP** instructions.



## WIFI setup

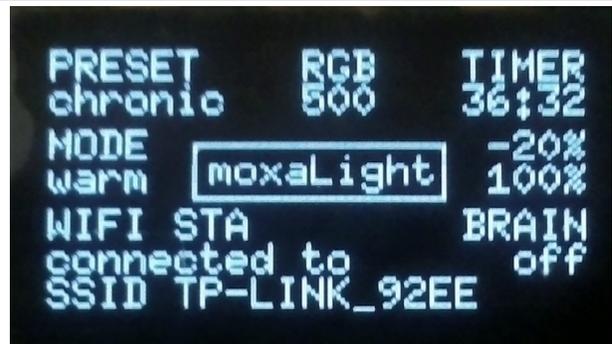
To confirm the mode for entering an existent wi-fi internet connection the **setup** word appears on display next to the WIFI text. Under it will display the SSID and password you need to connect to with your smart device. Once connected, set your browser address input box to the ip specified on display.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



## WIFI STA

If step presented in 2A is successful then the controller should be connected to your internet wi-fi network and a **STA** suffix should appear after WIFI on display.

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 **light pattern setup**.



PRESET RGB TIMER  
chronic 500 36:32  
MODE warm moxaLight -20%  
100%  
WIFI STA BRAIN  
connected to off  
SSID TP-LINK\_92EE



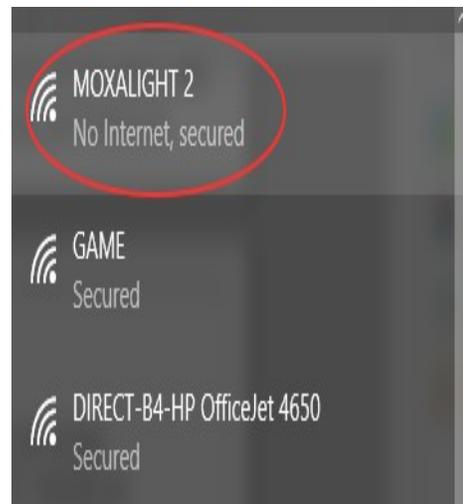
PRESET RGB TIMER  
chronic 500 36:27  
MODE warm moxaLight LED  
100%  
WIFI STA BRAIN  
set browser to off  
ADDR 192.168.0.102

## C.

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 wi-fi setup and connect to the desired S 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.



## WIFI AP.

If the unit cannot connect to an existent wi-fi or user does not use the wi-fi setup page, the controller will switch after 5 minutes to the AP (access point) mode. WIFI AP will be displayed and the light pattern 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.



PRESET RGB TIMER  
chronic 500 3:06  
MODE warm moxaLight -20%  
100%  
WIFI AP BRAIN  
connect to off  
SSID MOXALIGHT-91

## web wifi setup.

If web wifi setup is on the following setup web page will be shown -->.

Select the desired wi-fi SSID by pressing the button with 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 html browser with the new ip address from the controller display.

192.168.4.1

Not secure | 192.168.4.1

### moxaLight wifi setup

moxaLight uses proprietary pulsating light technology to stimulate acupuncture points without needles. Before using any moxaLight products read disclaimer at: [www.moxalight.com/disclaimer](http://www.moxalight.com/disclaimer)  
For rental authorization or server control an Internet connection is needed.  
Enter your internet wifi connection settings:

Refresh for available wifi SSIDs

Select your SSID:

- NET 3
- WiredX2.4
- TC8715D34
- LinkSysGary
- MelodiousTone\_2.4
- ATT080
- MySpectrum/WFI36-2G
- CanoFamily
- DIRECT-B4-HP OfficeJet 4650
- Valdez
- Game

SSID:

Pass:

Submit

After submitting please follow controller's display instructions on how to reconnect to the moxaLight web gui.

## light pattern setup.

If in light setup mode the following light pattern 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.

192.168.4.1

Not secure | 192.168.4.1

### moxaLight setup

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Light patterns can be recalled by holding down controller's preset buttons till display acknowledges the change or by entering specific values into the following input boxes.

light toggles between

**Pattern A**

frequency(Hz)

color(rgb)

bias(Hz)

**& pattern B**

frequency(Hz)

color(rgb)

bias(Hz)

**with**

toggle time(sec)

box array color(rgb)

brain(Hz)

Submit

**frequency** visible pulsation per second, range 0 to 25 Hz  
**color** 1st digit red intensity, 2nd green, 3rd blue, range for each digit 0 to 9  
**bias** invisible pulsations per second, range 50 to 1000 Hz  
**toggle** switch time between A and B patterns, range 1 to 180 seconds  
**brain** rotation stimulation speed frequency, range 1 to 50 Hz

Multiple controllers can be activated and controlled simultaneously through a central web server. Software and hardware for control may be purchased separately.