StompLight Professional DMX Effect Pedal Owner's Manual   v11.11

Congratulations on your purchase and commitment to your art and your audience!

You will find a registration sticker on the base of your StompLight product. Please go to www.StompLight.com and register your StompLight to secure your warranty.

Take Heed!
You are going to need a bigger tip jar!
Only use the StompLight® power adapter that came with your product.
Do not plug a microphone / or an audio source into the DMX jacks on your StompLight products.
These jacks are for DMX connection only.

Restoring Factory Default Settings

1. Unplug your StompLight® power adapter at the rear panel or switch off the Power Bank.
2. Wait 10 seconds
3. Plug-in the StompLight Professional or switch on the Power Bank while holding down the ON/Off Switch.
4. This will restore StompLight to the factory settings.

Active Powering your StompLight

In this Owner Manual Active Powering means plugging in and powering up. This is different than turning your StompLight On/Off using the footswitch. To power up your StompLight plug in the included StompLight 12-volt 1.5 amp center-positive Power Adapter to a standard power source. When the unit is actively powered the Status Light on the control surface will glow.

Status Light

StompLight® powers up in the Color Wheel Mode (the first of 5 modes available) and with the LED Lighting Array turned off. StompLight products can also be powered with the optional StompLight Lithium Ion Power Bank providing hours of "unplugged" operation. If you want to order a StompLight Power Bank check with your local music store first. If they do not have StompLight® Power Bank grab one on www.StompLight.com

On/Off Switch - The foot-switch labeled ON/OFF on the left side of the control surface turns the LED Lighting Array on/off.

Color Selection Switch - With the exception of the Color Wheel Mode you can cycle through the available colors using the Color foot-switch.

Mode Selection Switch - StompLight® has 5 Modes to choose from. Each time you step on the MODE foot-switch your StompLight® will advance to the next Mode in a predictable cycle. You will see the small LEDs on the control surface cycle through different locations associated with each selected Mode.
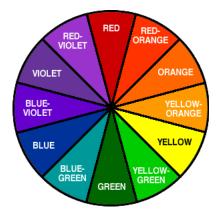
The 2 Adjustment Knobs

Brightness Adjustment Knob - Brightness is adjusted using the Brightness Knob located on the left side of the control surface.

Sensitivity/Rate Adjustment Knob - This knob, located on the right side of the control surface plays a dual role. In the Color Wheel Mode and the Stroboscopic Mode you can adjust the rate of change (speed up/slow down) for these two modes. When the Internal Microphone Mode and the Instrument/Mixer Input Mode are selected this knob adjusts the audio sensitivity/input.

The 5 Mode Cycle and Mode Descriptions aka order of effects

1.Color Wheel Mode --> 2.Solid Color Mode --> 3.Internal Microphone Mode --> 4.Instrument/Mixer Mono Input Mode --> 5.Stroboscopic Mode --> cycle back to 1.Color Wheel Mode

The Color Wheel Mode - In this mode StompLight® will cycle through a full spectrum of colors at a rate you choose. This is the set it and forget it mode. Stage your Stomplight and uplight your performance area using this mode and StompLight will move through colors creating dynamic stage lighting. Note that the Status LED on the control surface glows different colors while in this mode. You can adjust the rate that the colors change using the Sensitivity/Rate Knob and the brightness of light with the Brightness Knob. In the other 5 modes you can select a specific color(s) using the color foot-switch. Color Wheel Mode is the exception as it cycles through colors independently. This is why, while in Color Wheel Mode the Color foot-switch is non-functional. When you tap the mode switch in Color Wheels the color displayed in the Color Wheel now migrates / becomes the first color in the Solid Color Mode. This color is called the User Selected Color.

Solid Color Mode – Tapping on the Color foot-switch cycles StompLight past the User Selected color and to the 7 preset colors in the following order:

Red – Orange – Yellow – Green – Blue – Purple – White – User Selected Color - repeat

Note the Status LED will display the selected color. TIP: If you are in this mode and StompLight® lighting array is turned off you will see the color currently selected on the Status LED.

Internal Microphone/Sound Active Mode - In this mode StompLight® responds to the ambient sounds in your performance environment creating a variety of sound active lighting. This is accomplished through a built-in microphone located under the control surface. The User can adjust the sensitivity of the microphone using the Sensitivity/Rate Adjustment Knob while choosing from 8 preset color/frequency combinations by cycling with the Color foot switch. (See the chart below) Depending on the frequencies of your instruments, voice, drums, music you will see different colors of light produced as you perform. This mode offers a dynamic lighting experience that is great for drummers, DJ's and bands. You can also adjust the brightness using the Brightness Adjustment Knob.

Instrument Input Mode - In this mode StompLight® responds to the ¼" input from an electrical instrument or a mono feed from a mixer or music source. Ideal instruments include electric guitar, electric bass guitar, acoustic guitar with internal pre-amp, microphone, keyboard, etc. You can adjust the sensitivity of the input signal by using the Sensitivity/Rate Adjustment Knob and choose from 8 preset color/frequency combinations by cycling through the Color foot switch as you play. Depending on the frequencies produced by your electric instrument, microphone or audio source you will see different colors of light produced as you perform. This mode offers a dynamic lighting experience that is great for electronic musicians who want lighting that mimics their playing. Some examples include electric bass, guitar and keyboard players. StompLight is a great addition to a **guitarist's pedal board.**

Plug your instrument (or mixer) into the 1/4" mono input jack located on the StompLight® rear panel. If using a microphone you may need a 1/4" mono adapter. Once plugged in you can adjust the Sensitivity/Rate Adjustment Knob, choose from 8 preset color/frequency combinations by cycling through the Color foot switch as you play and adjust the brightness creating dynamic lighting and effects.

1/4" mono input jacks

Strobe Mode - In this mode StompLight® will pulse lighting creating the classic strobe effect. You can adjust the rate of the pulsing light using the Sensitivity/Rate Adjustment Knob along with the brightness using the Brightness Adjustment Knob. TIP: If the Strobe is not your thing you can remove it from the Modes as shown in the User Configuration Table.

Sound Active Modes Lighting / Frequency Chart

Lighting Cycle using the color foot switch	High Frequency	Medium Freq.	Low Frequency
	1kHz and 2.5kHz	400 Hz	160 Hz
1. Full Spectrum	Red	Blue	Green
2. Red and Green		Green	Red
3. Green		Green	
4. Green and Blue	Green		Blue
5. Blue		Blue	
6. Blue and Red	Blue		Red
7. White		Red,Blue,Green	
8. Red ----> 1.		Red	

The Mighty User Configurations

Note the decal on the bottom of your StompLight.
Use these configuration options when:

- For your performance there may be a Mode(s) you do not need. You can temporarily remove most Modes from your Mode cycle (order).
- You are connecting your StompLight effect pedal with one or more StompLight effect pedals creating a Controller and Slaves/Client relationship in a daisy chain.
- You want to use your StompLight DMX Pro as a controller from off stage
- You want to restore the factory default settings

To activate the User Configurations you active power your StompLight while holding down the foot switches in the configurations shown below in the User Configuration Chart and on the bottom decal on StompLight. With the exception of Slave/Client Mode your User Configs will be stored for

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next time when you power down. You can restore factory settings by holding down the ON/OFF switch when powering up.

User Configuration Chart

Note the decal with this User Configuration on the bottom of the StompLight® for easy recall.

#	On/Off switch	Mode switch	Color switch	Description / Available Modes
1	On	Off	Off	Restores factory settings
2	Off	On	Off	Activates Slave / DMX Client mode
3	Off	Off	On	Disables the LED Array
4	On	Off	On	Color Wheel, Solid Color and Instrument Instrument Modes
5	On	On	Off	Color Wheel and Solid Color Modes
6	Off	On	On	Strobe Mode disabled

How to Connect your StompLight® with another Product(s)

Connecting to a StompLight Pal or Pals

1. Stage your Pro and Pal(s).
2. Power up the StompLight DMX Professional effect pedal.
3. Locate the DMX out connector on the rear panel of StompLight DMX Pro. Using a XLR 3-pin **cable, "daisy chain"** the StompLight Pal(s) via the in/out DMX connectors on the rear of each unit. Mic cables will work as will DMX 3-pin cables.
4. Power up your StompLight Pals using the included StompLight® power adapters or the rechargeable StompLight Power Banks.
5. Turn on the lighting on the StompLight Pro and scroll through the Modes. Whatever lighting you choose and whatever adjustments you make will be replicated on each of the StompLight Pals.

Connecting StompLight DMX Pro to additional StompLight DMX Pro effect pedals

1. Stage your StompLights
2. Choose which StompLight Pro effect pedal will be your Controller pedal and power it up.
3. Locate the DMX out connector on the rear panel of the StompLight Pro you selected as the Controller. Using an XLR 3-pin cable or DMX 3-pin cable, **"daisy chain" the additional** StompLight DMX Professionals and StompLight Pal(s) via the in/out DMX connectors on each unit.
4. Power up each additional StompLight DMX Pro in the daisy chain holding down the MODE foot-switch. These StompLight DMX Pros will now be configured in Slave / DMX Client
5. Using the StompLight DMX Pro you selected as the Controller turn on the lighting and switch through the Modes. Whatever lighting you choose and whatever adjustments you make will be replicated on each of the StompLights configured as Slaves/DMX Clients and the Pals.
6. IMPORTANT. During your performance if you **power off** the StompLights configured as Slave/DMX clients, they will automatically revert to factory default when powered back up. To restore them back to Slave mode you simply need to power them back up holding down the MODE switch as described above.

Connecting your StompLight DMX Pro to other DMX 512 lighting products

The StompLight Pro will control many other manufacturer's RGB DMX lights that can be programmed. You will need to program StompLight's DMX address (1,2,3) into the other manufacturer's RGB DMX light. Many DMX units offer this programming. Refer to your product owner's manual on how to program/set DMX addresses.

How to attach your StompLight to a Microphone stand

StompLight comes with 3 holes with fasteners in place (a V shape) installed on the bottom center surface for the optional mounting to a microphone stand using the StompLight female mic stand adapter (optional). You can purchase this adapter on the StompLight website. Please note: Use of any other screws or drilling into enclosure is a violation of warranty.

DMX (Digital Multiplex) 101 and StompLight Products

DMX (Digital Multiplex) is a standard for digital communication networks that are commonly used to control stage lighting and effects. The StompLight DMX Professional lighting effect pedal (and Pal) is both a simple three channel DMX controller and Slave when user configured to Slave/Client Mode.

Channel 1: red channel   Channel 2: green channel   Channel 3: blue channel

The StompLight DMX Professional can control many of the DMX slave lights than use a 3-channel mode. (Most RGB fixtures). The channels in StompLight are fixed to 1, 2 and 3 so the DMX fixture you are using must be able to set its starting channel. StompLight connects to DMX fixtures using

typical consumer three pin XLR cables. DMX cables are preferred but not necessary for most applications. These XLR connectors are in parallel. Pin 1 is the shield, Pin 2 is Data Negative and pin 3 is Data Positive.

The StompLight DMX Professional defaults to Controller Mode when powered up meaning when connected to other DMX devices like the StompLight Pal or other DMX RGB lighting units it sends a signal to the other devices telling them what to do. Important to note that if you already have a DMX Controller and want your StompLight DMX Professional Effect Pedal to work as a Slave you must power up your StompLight Pro in Slave/DMX Client Mode. (See User Configuration Chart) If you forget there will be a conflict. The StompLight Professional can be set to Slave/DMX Client Mode by simply holding down the MODE switch when active powering.

DMX fixtures receive their data through a serial Daisy Chain. The Data Out connector on the rear panel of the StompLight Pro connects to the Data In connector of any DMX fixture, whose Data Out connector goes to the Data In connector of the next fixture, etc. The last fixture in the chain should have a DMX terminator installed, particularly if the chain is over 20 feet long. One or two units with short cables will probably work fine without the DMX terminator.

The maximum number of DMX fixtures on a single chain is 32. The maximum length is about 1500 feet. If latency is an issue use DMX cables when building a Daisy Chain longer than 60 feet. Microphone cables will work, but will slightly degrade the DMX signal faster than DMX cables will.

Troubleshooting Chart

StompLight lights up but is not switching between modes consistently	StompLight footswitches contain a thin film of lubricant and have what is called an infancy period. If your StompLight is not cycling evenly try cycling (pressing) each footswitch 25 + times to dissipate the lubricant.
Restoring Factory Default Settings	Power up (plug in) your StompLight while holding down the On/Off Switch.
StompLight Not Powering Up	Verify wall power is active Unplug power adapter, wait 10 seconds and plug power adapter back in. Inspect Power Adapter. StompLight requires a center-positive 12 volt 1.5 amp power adapter. Typical effect pedal adapters will not work. If a replacement is needed contact StompLight. When using the StompLight Power Bank be sure all **cables are secure and Power Bank's green indicator LEDS are lit.** LED Array may be disabled via User Configuration. Unplug power adapter from rear panel. Wait 10 seconds and plug back in while holding down the On/Off Switch.

Lighting Diffuser or LED Array is loose	Carefully tighten the Array screws using a 1/16 Allen Wrench.
The Array / Lid does not stay in position	Carefully tighten the outside hinge screws using a 5/32 Allen Wrench.

Here are some suggestions on staging your StompLight®

- Start by performing with lower amounts of light. Take caution in the angle and brightness. Take some video and pics. You'll be surprised how good you look at lower brightness.
- Purchase some rechargeable StompLight Power Banks. They make set up/break down so easy!
- Understand the eye responds to colors in different ways. Blue will seem dimmer but not in the video or pics.
- If there are house lights in the performance area dim them if possible.
- The StompLight Professional and StompLight Pal work as extraordinary up-lights but may be positioned to side fill or also back light. StompLight products can be set on pedal boards, speaker cabinets, easily mounted to mic stands using the Atlas AD11B Surface-Mount Flange Mic Stand Adapter (Female), set on DJ decks, and keyboards. Explore and have fun. Send us your videos and pics! We love to see them.
- Solo & Duo Performers - Typical placement of a StompLight is on the floor off to the side. Duos can place a StompLight on the floor in between each performer or ideally add a StompLight Pal providing each artist to have lighting on each side. As always adjust the brightness so it is not over powering.
- Bandsand DJs– Suggested options:
  - Best set up is each performer has a StompLight Professional Effect Pedal or StompLight Pal highlighting their artistic area.
  - Take caution in the angle and brightness. Less is more.
  - A couple StompLight Pros set as a side fill or placed in the front of a band/DJ will add exciting color with independent control.
  - Place a StompLight DMX Professional highlighting the drum kit set to Microphone Mode and the drum sound and audio frequencies will create dynamic lighting effects.
- See the DJ/EDM Artist Animation on the StompLight website. Run a mono feed from your mixer into the 1/4" input. Add additional daisy chained StompLight Pals on the floor in front of your performance deck facing the audience.

Register your Product on the StompLight Website

All StompLight® products come with a one year limited warranty on parts and workmanship from date of purchase (or delivery, in the case of pre-orders). The warranty remains valid only if you have registered your StompLight® product on the StompLight® website with the serial number on the unit not defaced or removed. Warranty does not cover damage due to misuse, unauthorized tampering, accident or neglect. During this period we will repair or replace (at our option) defective units free of charge. If you have a problem most issues can be resolved by visiting the Frequently Asked Questions and reviewing the Troubleshooting Chart.

If your issue cannot be resolved there, please email info@stomplight.com with General Repair Ticket Request (see below) and we will help you.

General Repair Ticket Request requires the following information.

1. Name
2. Address
3. Email
4. Phone
5. Model/Product
6. Are you the original purchaser?
7. Date purchased
8. Where did you purchase your product?
9. What is wrong with it?

If we can't get you back up and running with some techy mojo via email we may ask you to ship us your StompLight®. We require a Return Merchandise Authorization before returning a StompLight product for repair.

We only repair products that have been made by us. There will be repair fees for our products that have malfunctioned from user error like plugging in wrong power supply, running an audio signal into the DMX connectors or running over it with a truck, etc.

RMA-Return Merchandise Authorization/Shipping Details

Once we receive your Repair Ticket Email Request we may issue you a RMA -Return Merchandise Authorization. The customer then ships the unit to StompLight® with the RMA number written prominently on the package. The customer pays the shipping to StompLight.

MJ Ahern / StompLight International, LLC
20 Portola Avenue Box 365
El Granada, CA 94018 USA

If there is a real failure that is covered by the warranty we will fix or replace the unit, and send it back to the customer, shipping paid by StompLight International LLC. If there is a problem that is not covered by warranty, we will give you a repair estimate and the customer may approve the repair or choose not to. Customer pays for the repair and for the return shipping and handling

When return shipping charges and repair fee apply they will need to be collected prior to shipping the StompLight product back to the customer.

Refund and Exchange Policy

If you are not satisfied with your StompLight® product, email us. We will work like crazy to make you a satisfied customer. There is a 15% restocking fee and your order must be returned in pristine condition.

StompLight International, LLC, 20 Avenue Portola -365, El Granada, CA 94018, Customer Service, 650.815.7997 info@stompLight.com

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