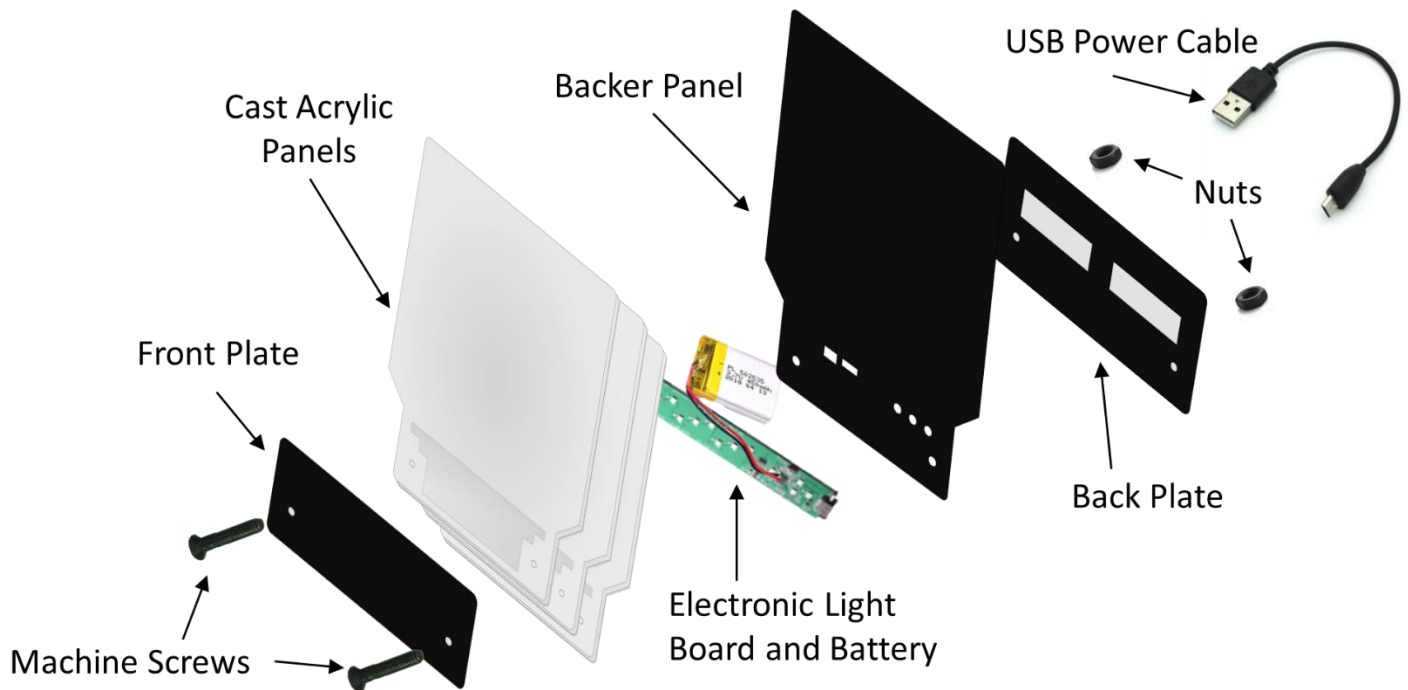


Edge Light Kit Instructions



Note: The edge light kit comes pre-assembled and will have to be dis-assembled prior to etching your design.

To Dis-Assemble Your Edge Light Kit

1. Place your assembled kit **Front Plate** side down (be careful not to scratch your acrylic panels).
2. Remove the 2 nuts towards the bottom of the **Back Plate**.
3. Lift off the **Back Plate**.
4. Lift off the **Backer Panel**. The **Electronic Light Board and Battery** are now exposed.
5. Remove the **Electronic Light Board and Battery** from the **Cast Acrylic Panels**.
6. Lift the **Cast Acrylic Panels** to separate them from the **Front Plate**.

Note: Always be careful with the acrylic panels – they can easily scratch and can possibly crack at weak points.

To Re-Assemble Your Edge Light Kit

1. Place the 2 **Machine Screws** through the **Front Plate** – the **Front Plate** and the **Back Plate** can be used with the matte side out or the glossy side out.
2. Place the **Acrylic Panels** on top of the **Front Plate** with the **Machine Screws** passing through the holes. **The Acrylic Panels** can be put in any order and can be placed with the etching towards the front or back (depending on your design and desired effect).
3. Insert the Electronic **Light Board and Battery** into the pockets cut into the **Acrylic Panels**. The LED lights should be pointing upwards and the buttons should be on the left side.
4. Place the **Backer Panel** on top of the assembly with the **Machine Screws** passing through the holes.
5. Place the **Back Plate** on top of the assembly with the **Machine Screws** passing through the holes.
6. Attach the nuts on the **Machine Screws** and tighten (do not over tighten).

Designing and Etching Your Acrylic Panels

Creating Your Design

1. Vector graphics are best suited for creating your artwork and preparing it to be etched with a laser or rotary engraver.
2. Create or limit your design to 3 major color groups (one for each acrylic panel).
3. Separate your Artwork into 3 Layers (one for each acrylic panel) based off the major color groups. For example, place all the Reds on one layer, all the Greens on another, etc. Each layer will later be etched onto one of the 3 acrylic panels.
4. Select all the graphics on the first layer and change their color to black. Use grayscale in cases where the color is not solid. Do the same with the second and third layers. Grayscale will allow a laser or rotary to interpret the variations in the image and etch them at different depths allowing the colors from the lights to mimic the different shades of that color.
5. If you want to etch on the backside of the acrylic panels then remember to flip your design backwards.
6. Templates and examples are available on our website www.edge-lights.com and can be downloaded without charge to help you size and align your artwork.

Etching the Panels

Before any etching is performed, remove the masking paper from the side of your acrylic sheets that you will be etching. Leave the masking paper on the other side to help prevent scratching. Be careful not to scratch the acrylic or snap it at a weak point.

Using a Laser or Rotary

1. Place one of your acrylic panels on your laser or rotary table in the upper left-hand corner with the unmasked side facing upward.
2. Submit the print job to your laser / rotary for the first panel (the first layer) from your graphics software.
3. Laser settings vary greatly for etching and cutting acrylics. Check with your laser vendor if you are unsure of which settings to use.
4. After the first panel is etched, remove it from the laser / rotary table.
5. Repeat for the second and third panel using the associated layers in your graphics software for each panel.

Using our Stencils

1. Our stencils come pre-cut in 3 layers (one stencil for each of the 3 acrylic panels).
2. Align the stencil on the unmasked side of the acrylic panel. Use the guide block to help with the alignment.
3. Make sure you have the stencils all going in the proper direction. Flip the stencil over if necessary.
4. Place one hand on the stencil or use tape to secure it.
5. Etch / scratch the acrylics by hand. We find using a small rotary tool with a small ball type bit works best, however other methods of hand etching can be done to produce your desired results.
6. More etching by hand techniques can be found on our website www.edge-lights.com.

After the panels are all etched, remove the masking paper from the un-etched side of your acrylic sheets. Gently wipe the panels down with a micro-fiber towel to remove any dust and smudges. DO NOT use any type of cleaner or paper towel on the acrylics and be careful not to snap the acrylic at a weak point.

Re-Assemble your edge light kit, setup the lights, and you're ready to enjoy your creation.

Setting and Running Light Shows

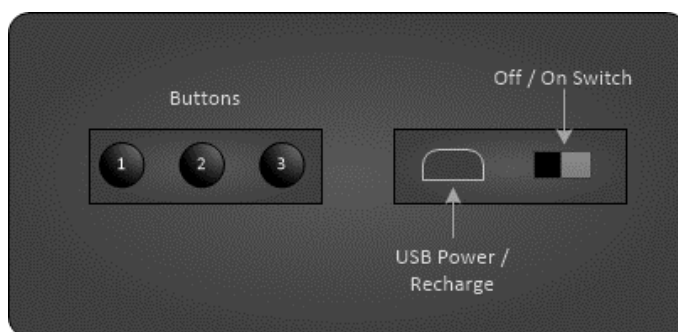


Figure 1 – Control Panel

Quick Reference Guide

Button 1 Press and Release – Changes Light Show Pattern

Button 2 Press and Release – Adjusts the Speed of the Light Show

Button 3 Press and Release – Adjusts the Smoothness of the Light Show

Press and Hold Button 1 - Enter Color Setting Mode

While in Color Setting Mode

Button 1 – Selects the Panel

Button 2 – Selects the Color Group

Button 3 – Fine tunes the color

Press and Hold Button 1 - Save colors and Exit Color Setting Mode

To Turn Off and On – Use the Off / On Switch located on the far right on the control panel. Slide to the left for off and the right for on. The lights will start playing based on the last settings.

To Power / Recharge – The edge light can run on an internal battery for a few hours or directly from a USB power source (micro USB cable supplied with kit). While on the USB power source, the battery will also recharge. There will be a slight glow inside the unit when it is charging. Charging will occur with the unit turned Off or On.

To Change Light Shows – Your edge light comes pre-loaded with 7 light show patterns. While your edge light is on, quickly press and release Button #1 to advance to the next light show. ***Refer to Figure 2 – Light Shows*** for the order and description.

Light Show Name	Description	Speed Controls Button 2	Smoothing Controls Button 3
Solid	Comes on and stays on	N/A	N/A
Night Light	Comes on and stays on at 25% intensity.	N/A	N/A
Fade In / Out	All panels Fade In from black and then Fade Out to black.	1 sec, 5 sec, 10 sec, 15 sec	.2 sec, 3 sec, 5 sec, 8 sec
Spotlight	Lights move back and forth on all panels	0 sec, .1 sec, .3 sec, .5 sec	0 sec, .1 sec, .4 sec, .8 sec
Dance	Modified Spotlight except front and back move in one direction while middle moves in the other direction	0 sec, .1 sec, .3 sec, .5 sec	0 sec, .1 sec, .4 sec, .8 sec
Back to Front	Lights come on starting with the back, then middle, then front	0 sec, .1 sec, .5 sec, 1.5 sec	0 sec, .2 sec, .7 sec, 1 sec
Color Rotate	Back color becomes middle color, middle becomes front, front becomes back.	0 sec, .1 sec, .3 sec, .5 sec	0 sec, .2 sec, .5 sec, 1 sec

Figure 2 – Light Shows

To Adjust Speed and Smoothness – Most of the light shows can be adjusted for speed and smoothness (transition fading between changes) – typically 4 settings for each. *Refer to Figure 2 – Light Shows.* While the light show is playing quickly press and release Button 2 to adjust the speed and Button 3 to adjust the smoothness. The fastest shows will be 0 seconds speed and 0 seconds smoothing. Changes are automatically reflected in the light show and saved.

To Change Panel Colors – Press and Hold Button 1 until all the lights flash white 3 times and then Release Button 1. The front panel should be the only panel lit up (middle and back will be off). Now you are in the color setting mode and ready to set the color for the front panel.

Setting the color is a 2-step operation for each panel.

Step 1 – quickly press and release Button 2 to rotate through the Color Groups. *Refer to Figure 3 – Color Groups.*

Color Groups
White / Black / Gray
Red
Green
Blue
Yellow
Purple
Cyan
Orange
Pink
Brown

Figure 3 – Color Groups

Step 2 – once you are on the desired Color Group (i.e. Green), quickly press and release Button 3 to fine tune the color within the Color Group (i.e. Dark Green to Light Green). Each Color Group has 7 variations or shades of that color.

Once you are satisfied with the color on the front panel, Press and Release Button 1 to advance to the middle panel. Repeat the steps and then move on to the back panel to do the same. If you need to get back to the front panel, simply press and release Button 1. Each press and release of Button 1 will cycle through the panels from front to back and then repeat.

Once the colors are set for each panel, Press and Hold Button 1 until all the lights flash white 3 times and then Release. This saves all the settings and returns you to the light show mode.