Light Up Speaker Kits

For STERN Machines

Installation, Usage and Maintenance Guide

October 2013

WARNING

Improper installation, improper use, may cause damage to both machine and light kit. This document and other information from Light Up Speaker mod are to provide product installation guidelines and product usage options. It is the obligation of each user of Light Up Speaker mod to carefully read and understand this document and all other documentation, instructions and manuals supplied with Light Up Speaker mod are to determine the correct and safe methods of installation, operations and maintenance of Light Up Speaker mod, and the correct and safe conditions of use. In no event shall Light Up Speaker mod be held responsible for improper installation, operation and maintenance practices of users.

User's use of Light Up Speaker mod is at their sole risk. If problems occur please contact __support@mezelmods.com__ and we will do everything possible to resolve any issues that you may occur that are not a result of user's negligence.

KIT CONTENTS: 2 Speaker LED light fames, 1 Power cord, 1 Remote Controller with 1 LED Controller.
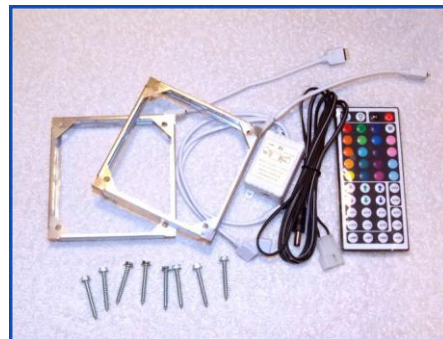
ACRYLIC SETS SOLD SEPERATLY
EXTRA LONG SCREWS FOR UPGRADED SPEAKERS SOLD SPEREATLY

Please see hardware listing for actual parts included

Spike 1 Contents:
8, #6 male/male metal hex standoffs
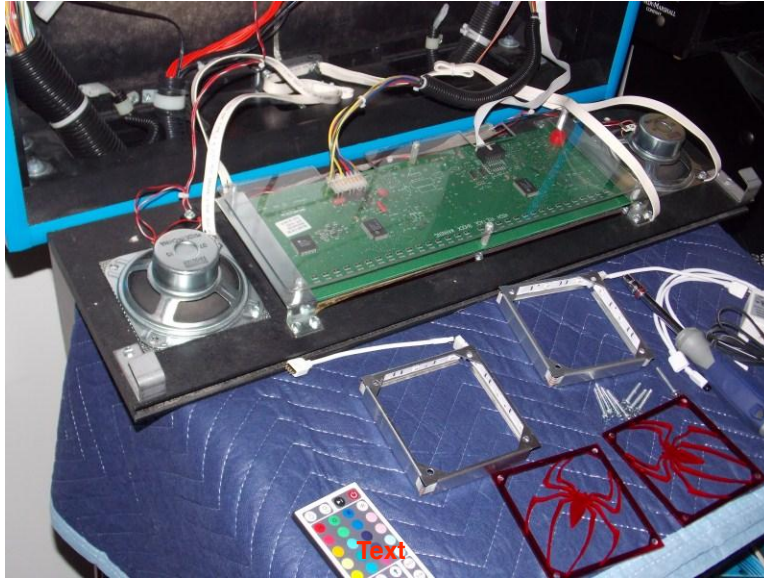8, #6 3/8" machine screws

Stern Square (Type 7) Contents:
8, #8 1 1/4" metal screws
8, 1 3/4" metal screws (for aftermarket speakers)
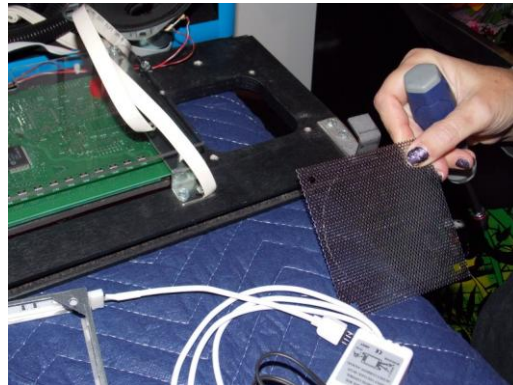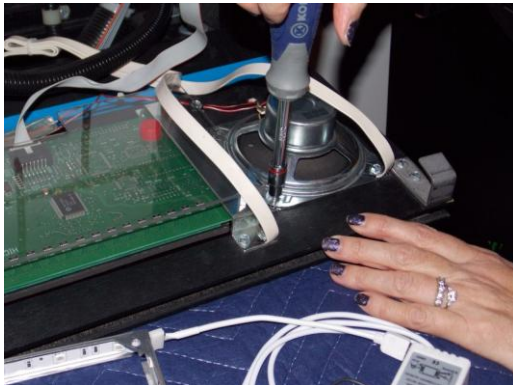

Stern Round (Type 9) Contents:
8, 6-32 male/male 5/8" hex standoffs
8, 6-32 3/8" machine screws
8, 6-32 1" long machine screws (for use with aftermarket speakers with spacer rings attached)
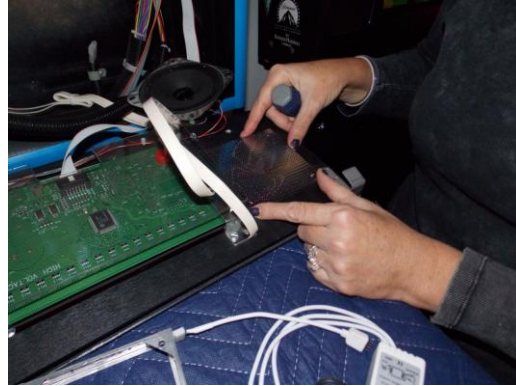
Installation Typical Style   (SQUARE- TYPE 7)
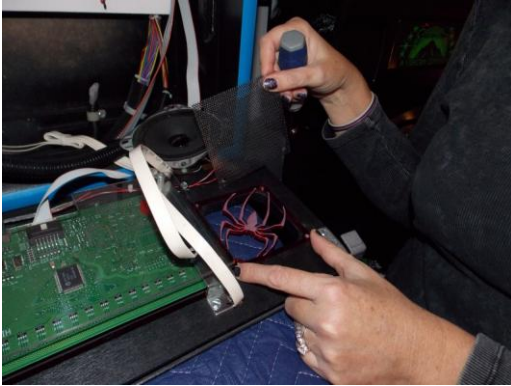
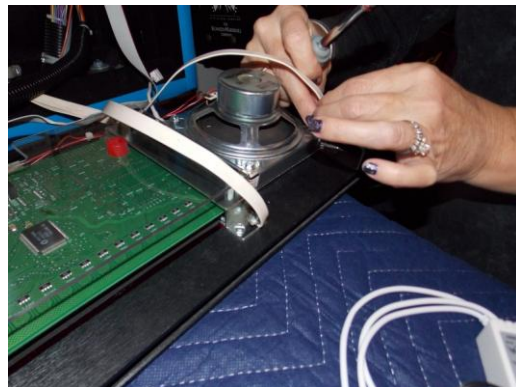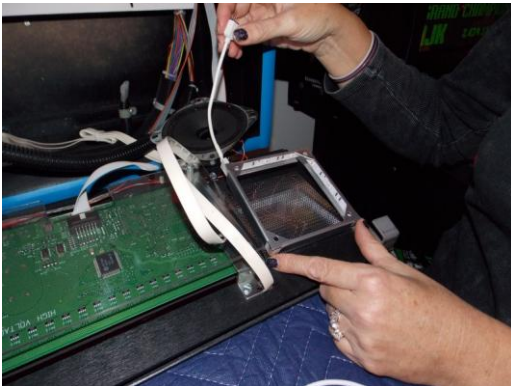1. Power down system, pull the translight, and remove speaker panel.

2. Remove your speakers and speaker grill to prepare for installation of the light kit.
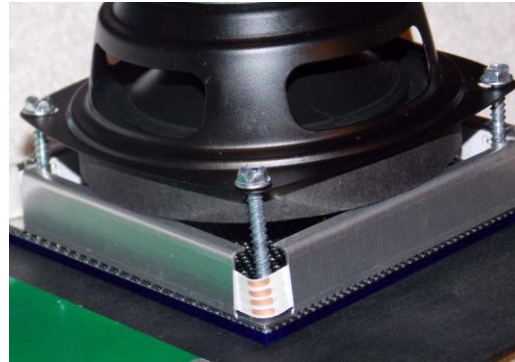
3. Next place your acrylic art (optional) into position, followed by the grill. If your acrylic has etching make sure it is facing inward.

4A.(Stock Speakers) Place the LED Light frame on top of the grill making sure that the screw holes are (UP) and that the lead wire coming off is near the bottom corner of your DMD. Once in position, replace the speaker and screw in all 4 corners using the longer provided screws with the kit. Remember to hook the ground strap back on. (IF YOU HAVE UPGRADED SPEAKERS INSTALLED SEE NEXT PAGE)

4B. (Upgraded Speakers)Place the LED Light frame on top of the grill making sure that the screw holes are (DOWN) and that the lead wire coming off is near the bottom corner of your DMD. Once in position, replace the speaker and screw in all 4 corners using the extra long screws. Remember to hook the ground strap back on.
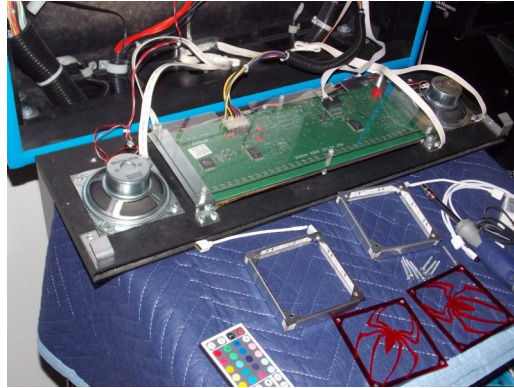

5. Simply proceed and follow the same steps in 4 to install your other speaker.

<u>Installation Round Style (Star Trek)</u>   **Round and Spike 1**

1. Power down system, pull the translight, and remove speaker panel.

2. Remove your speakers and speaker grill to prepare for installation of the light kit. Nuts removed will not be re-used.

3. Next place your acrylic art (optional) into position, followed by the grill. If your acrylic has etching make sure it is facing inward towards your system board.

4A.(Stock Speakers) Place the LED Light frame on top of the grill over the machine screw studs making sure that the screw holes are (DOWN FLAT AGAINST THE PANEL) and that the lead wire coming off is near the bottom corner of your DMD. Once in position, use the Hex Hardware included and screw them all the way down onto the stud and flush against the metal light kit frame. replace the speaker and screw in all corners using 3/8 inch screws NOT PROVIDED but can be purchased. Remember to hook the ground strap back on. (IF YOU HAVE UPGRADED SPEAKERS INSTALLED SEE NEXT PAGE)

ADDITIONAL INSTRUCTIONS FOR AFTERMARKET SPEAKERS

4B. (Upgraded Speakers) ITEMS NEEDED 1 inch long #8 Machine Screws NOT PROVIDED! Purchased Separately. Place the LED Light frame on top of the grill over the machine screw studs making sure that the screw holes are (DOWN FLAT AGAINST THE PANEL) and that the lead wire coming off is near the bottom corner of your DMD. Once in position, use the Hex Hardware included and screw them all the way down onto the stud and flush against the metal light kit frame. replace the speaker and screw in all corners using 1/2 inch long #8 machine screws. Remember to hook up the ground strap.

5. Simply proceed and follow the same steps in 4 to install your other speaker.

Continue on page 8
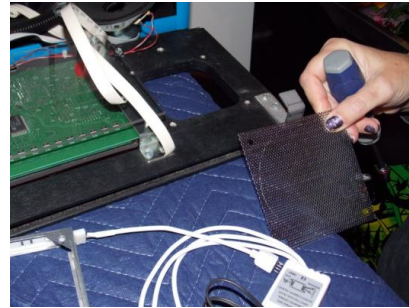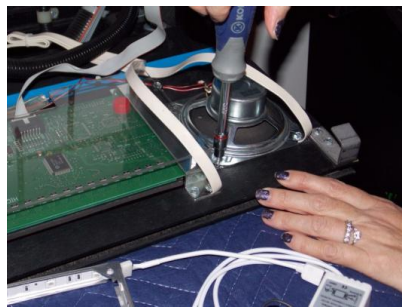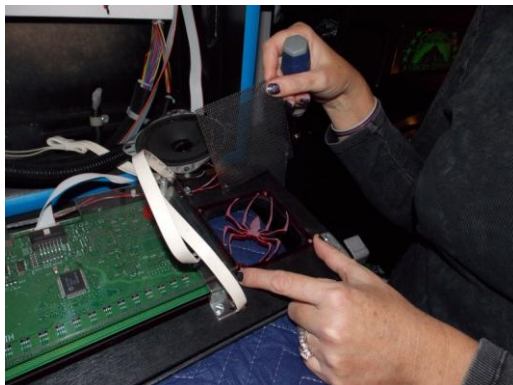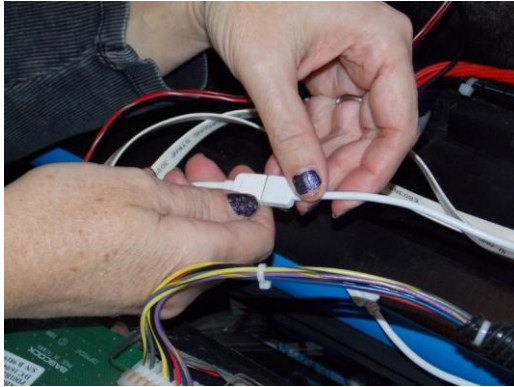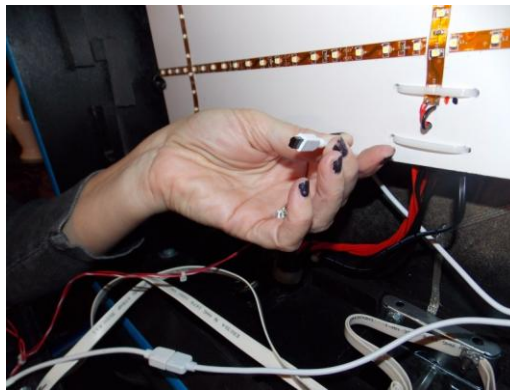
6. Locate the lead wires coming from each of the LED light frames and plug them into your controller. Make sure that you align the arrows up on the connection. There is no left or right on the controller so there is no worry about which one to plug into.
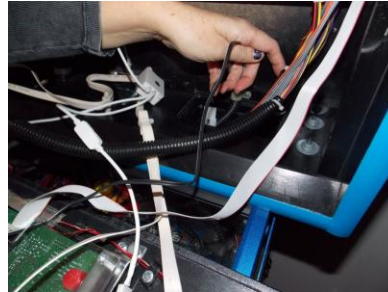

CONTROLLER

7. The controller has a sensor eye. Make sure that wherever you decide locate/mount the controller in the backbox that the eye is above the level of the speaker panel and behind the translight. It will work fine through the translight. TIP: use optional Velcro to mount the box in your desired position.
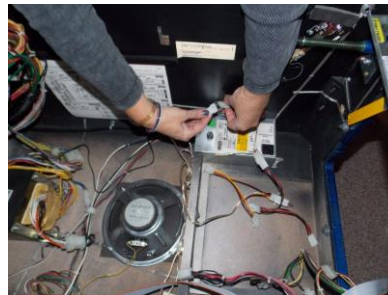
8. Run the power cable down through the backbox and into the base cabinet. Be sure to run the end with the 3 pin connector. The other end you will plug into the controller. Once this step is done, you can close up the backbox.

9. Lift the playfield, locate the power cable and pull it along the right side of the cabinet up to the auxiliary power plug. Plug it up and you're finished. Close up the machine and try it out.

already in use.
If the power source is already in use, you'll need an additional part.
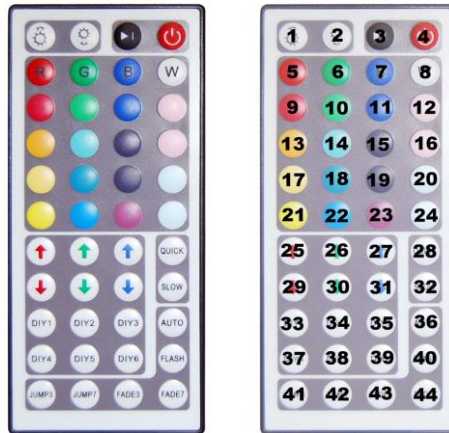For Type 7-9 kits, you'll need a two-way splitter
For Spike kits, you'll need a Spike Power tap with an available 12v 3-pin molex connection available

10. Power on the machine. Use the remote control and power on the lights and set desired color option. (See next page for directions)

Remote Control Directions

44 Key Remote:

Buttons 1 & 2: Increase and Decreases Brightness
Button 3: Play / Pause (Plays and Pauses the selected lighting effect)
Button 4: Power On / Off (Turns the light controller box on and off)
Buttons 5 - 24: 20 different pre-programed static colors.
Buttons 25 - 27, 29 - 31, 33 - 35, 37 - 39: Do It Yourself Buttons * (See programing instructions below)
Button 28 & 32: Lighting effect speed control (Lets you adjust the speed of various light effects)
Button 36: Auto (Cycles through the various lighting effects)
Button 40: Flash (Flashes white light on and off)
Button 41: Jump3 (Quick change lighting effect that jumps from Red, Green & Blue)
Button 42: Jump7 (Quick change lighting effect that jumps from Red, White, Cyan, Yellow, Green, Purple & Blue)
Button 43: Fade3 (Slow change lighting effect that fades from Red, Green & Blue)
Button 44: Fade7 (Slow change lighting effect that fades from Red, White, Cyan, Yellow, Green, Purple & Blue)

* Programing the 6 DIY Buttons:

DIY (Do It Yourself) keys for custom static colors explaination:
On the control panel, there are 3 groups of "Increase" and "Decrease" arrows for Red, Green, Blue colors, and 6 DIY color storing keys from DIY1 to DIY6. The 6 DIY keys are preset with a standard white color, end users can manually control the color of Red, Green, Blue, and store the desired custom color.

6 DIY Buttons saving steps:
First of all, choose the DIY key, for example "DIY2", that needs to be changed. Press the key DIY2 to get its light on, adjust the brightness of its Red, Green, Blue by pressing the relative arrows of "Up" and "Down" until the desired new custom color is realized. Then press the key DIY2 again, the new custom color is then stored there.

Alternate Installations

There are alternate ways you can install your acrylics. Here is a quick rundown of the options. Assuming you are facing the machine you can layer the install in a few different ways. Results will vary depending on the acrylic used. You may have to experiment to see which is best for you.

Standard: Acrylic, Speaker Grill, Light Kit Frame, then speaker.

Peek-a-Boo: Speaker Grill, Acrylic, Light Kit Frame, then speaker.

3D: Acrylic, Light Kit Frame, Speaker Grill, then speaker.

Tips and warnings

You may notice a little excess led stripping sticking out at the very end of the strip itself. About ¼ inch. Do NOT fold this back and stick it to the frame and do NOT cut it off. These actions may cause light failure to the strip.

Problems?

If you have any problems then please email me and we will do everything possible to resolve any issue you are having.

Conclusion

Thank you for your interest in the Light Up Speaker mod. If you have any questions you can email us at _____