Data East / Sega Speaker Light Kits!

Installation, Usage and Maintenance Guide for Kit 2 (HEX)

January 2014

WARNING

Read this document before installing or using Data East/Sega "Speaker Light Mod"

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 and 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 _____and we will do everything possible to resolve any issues that you may occur that are not a result of user's negligence.
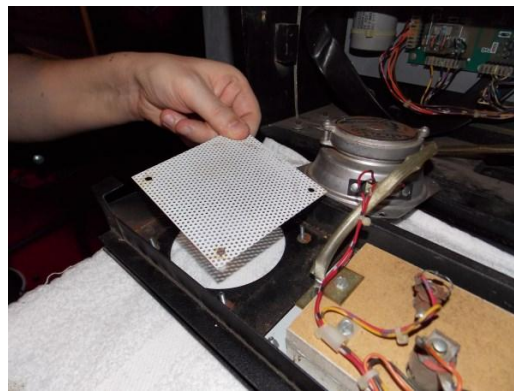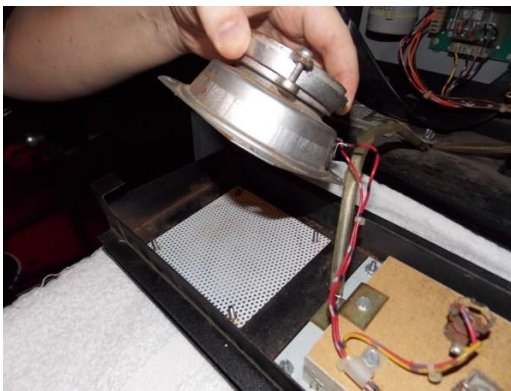

KIT CONTENTS: 2 Speaker LED light fames, 1 Power cord, 1 Remote Controller with 1 LED Controller. Package of 8 Hex Spacers and 8 screws
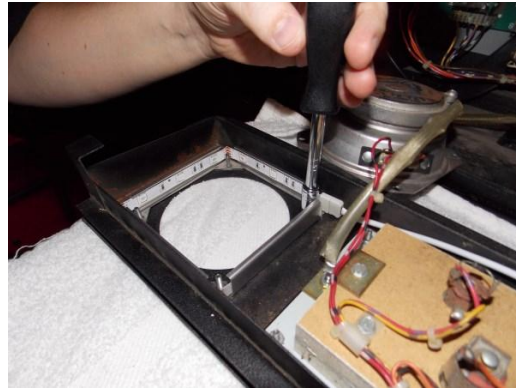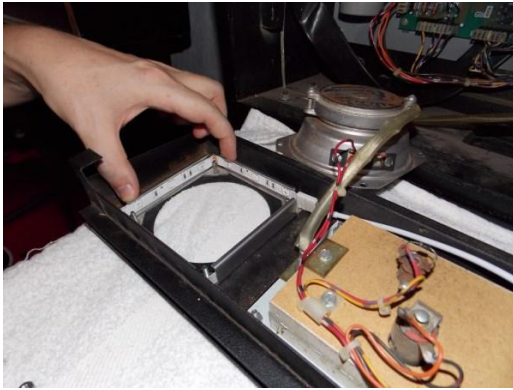
Installation

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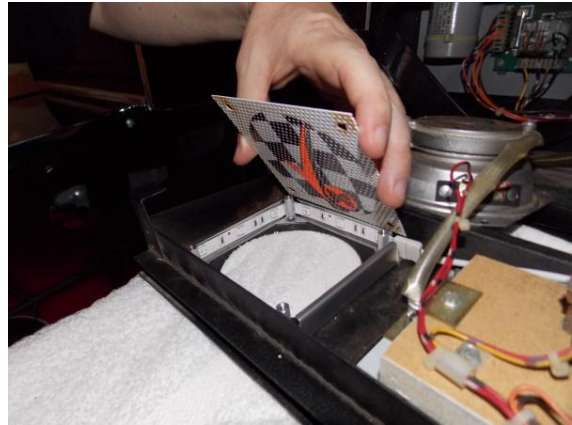

2. Remove your speakers and speaker grill to prepare for installation of the light kit. Keep the 4 nuts that you remove handy as you will be reusing them in the next step.
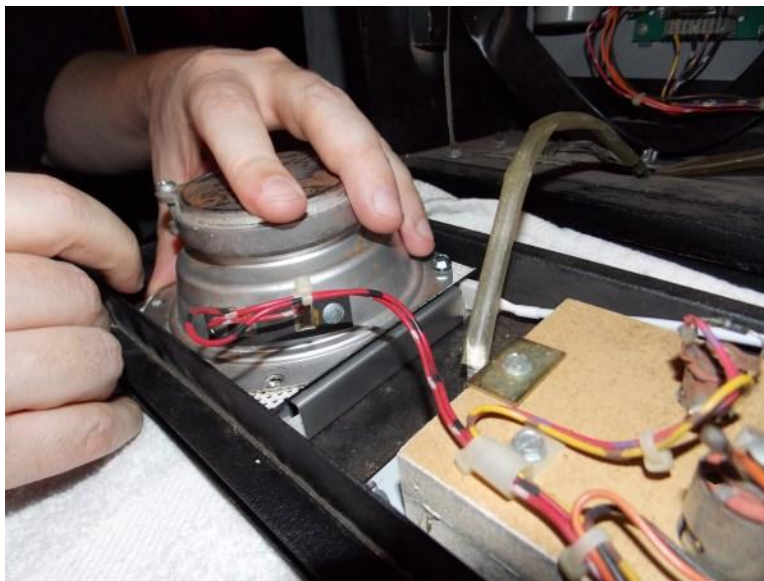
3. Next place your speaker light kit into position and set it down onto the existing threads sticking up from the panel and make sure that the lead wire coming off is near the bottom corner of your display. Use the nuts you removed in the previous step to secure the plate.
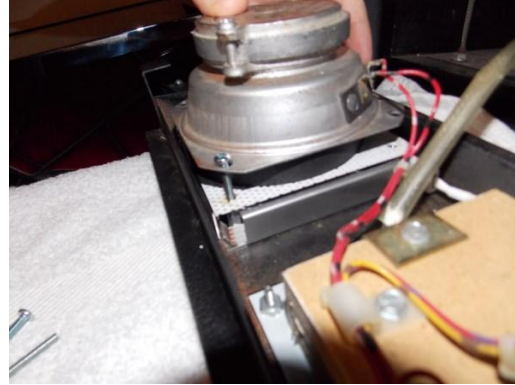
4. Install 4 hex spacers (Provided) as follows. Thread each spacer down till they touch the nut. Then, put the speaker grill back in place and install the speaker. See speaker install options in the next 2 steps for both (stock) and (upgraded) speakers.
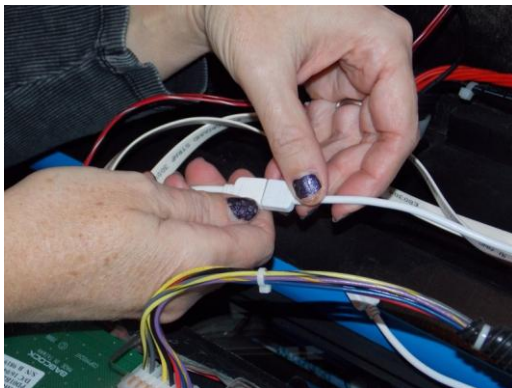

5A. (Stock Speakers) Once in position, replace the speaker and screw in all 4 corners using the provided screws with the kit. Remember to hook the ground strap back on. (IF YOU HAVE UPGRADED SPEAKERS INSTALLED SEE NEXT PAGE)

5B. (Upgraded Speakers) Will work, but you will need to locate longer screws at your local hardware store. It is impossible for us to accurately assess the correct sizes needed for all of the different variety of Data East / Sega machines. You will need to evaluate your panel and locate the correct size needed from your local hardware store. They should be common sizes.
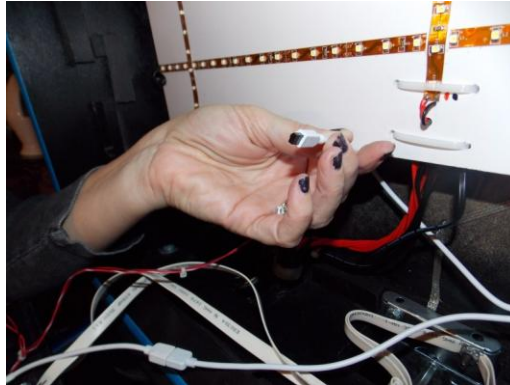
6. Locate the lead wires coming from each of the LED light frames and plug them into your controller. Make sure that you align the arrows up on the connection. There is no left or right on the controller so there is no worry about which one to plug into.
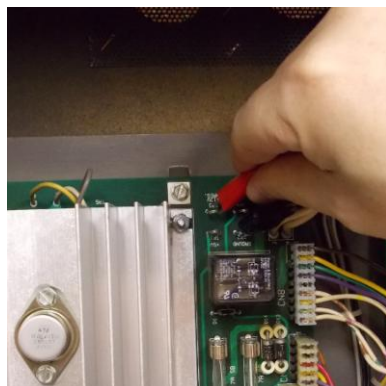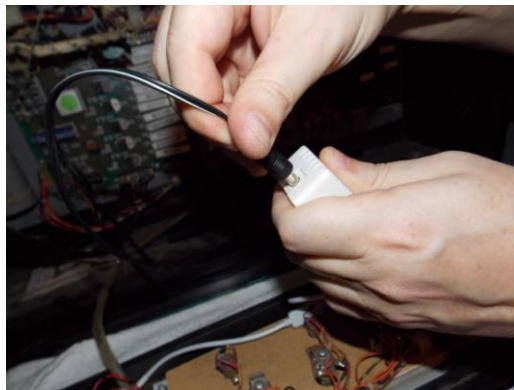
CONTROLLER

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 Velcro to mount the eye in your desired position.
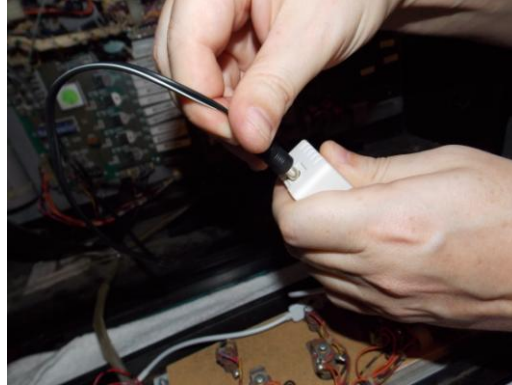

8A. (Stock Power Supply Install) Locate the power cable and plug into the LED controller. Next run it up to the power board and attach the alligator clips to the correct test points. The power board is the one located at the upper left side inside the head/backbox. Make sure to clip Red onto +12V and Black onto the GROUND
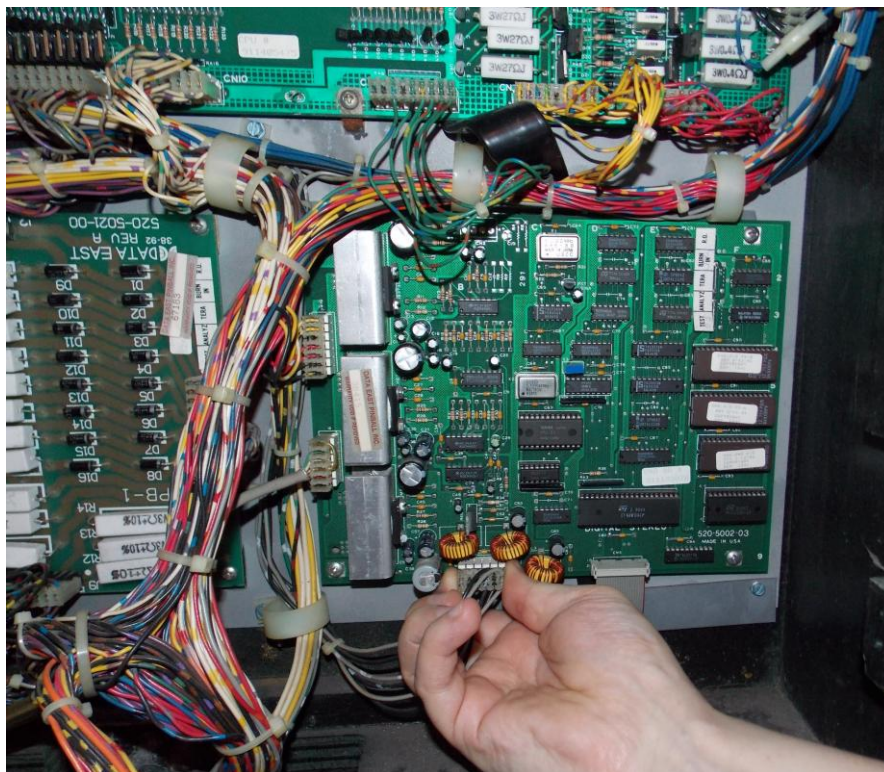
8B. (Aftermarket Power Supply or Stock Power Supply Install) Addition power adaptor is required and can be purchased separately from the Data East / Sega light kit page at _____if you didn't choose to include it with your kit. This install is required if you have an aftermarket power supply or if you find that your test points are broken or missing from your stock power supply.
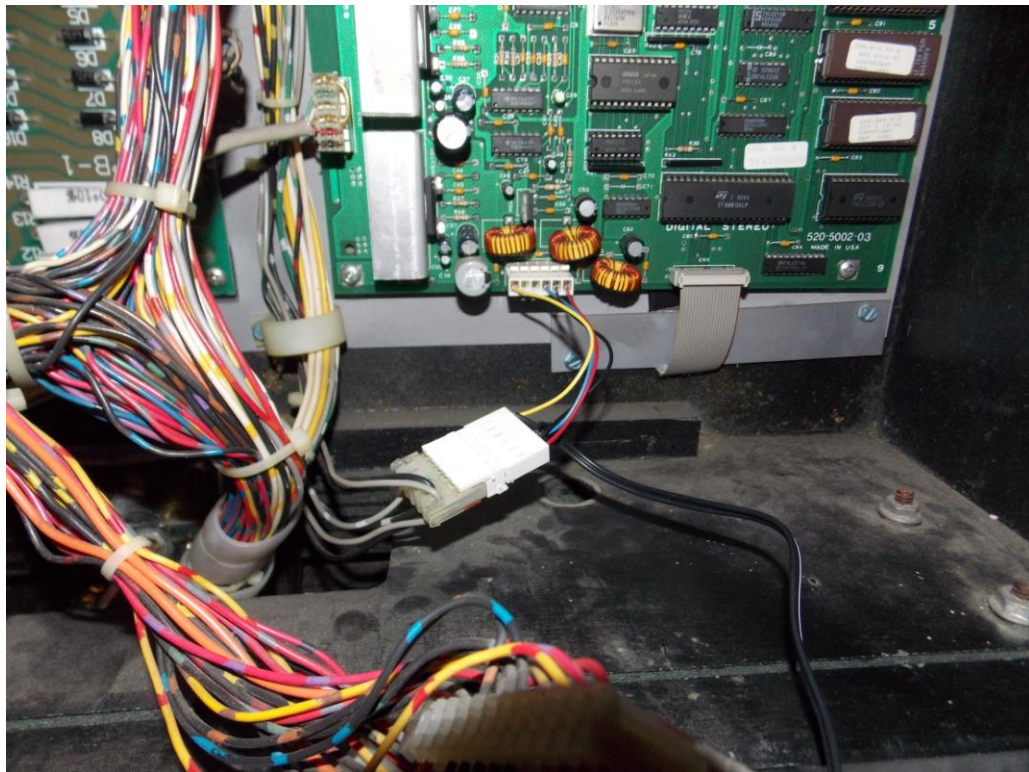
a. Locate the power cable and plug into the controller.

b. Locate the 6 pin power connector on your Sound board and unplug it. (See picture Below)

b. Insert the power splitter end of the power cable as seen below and re-attach your original cable to the splitter secondary connector.
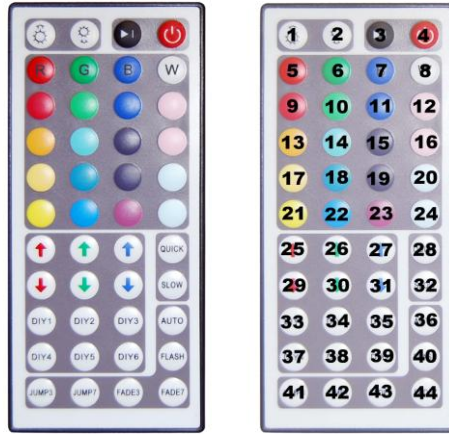
10. Power on the machine. Use the remote control and power on the lights and set desired color option. Remember to remove the plastic tab from your remote that is keeping the battery from working. (See next page for directions on how to use your remote.)

Vroooom !!!

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-programmed static colors.
Buttons 25 - 27, 29 - 31, 33 - 35, 37 - 39: Do It Yourself Buttons * (See programming 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)

* Programming the 6 DIY Buttons:

DIY (Do It Yourself) keys for custom static colors:
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.

Operation 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.

Tips and warnings

You may notice a little excess of the LED light strip sticking out at the corner of the light frame. About 1/4 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

Remember to remove the plastic tab from your remote that is keeping the battery from working.

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 _____