

Product Guide

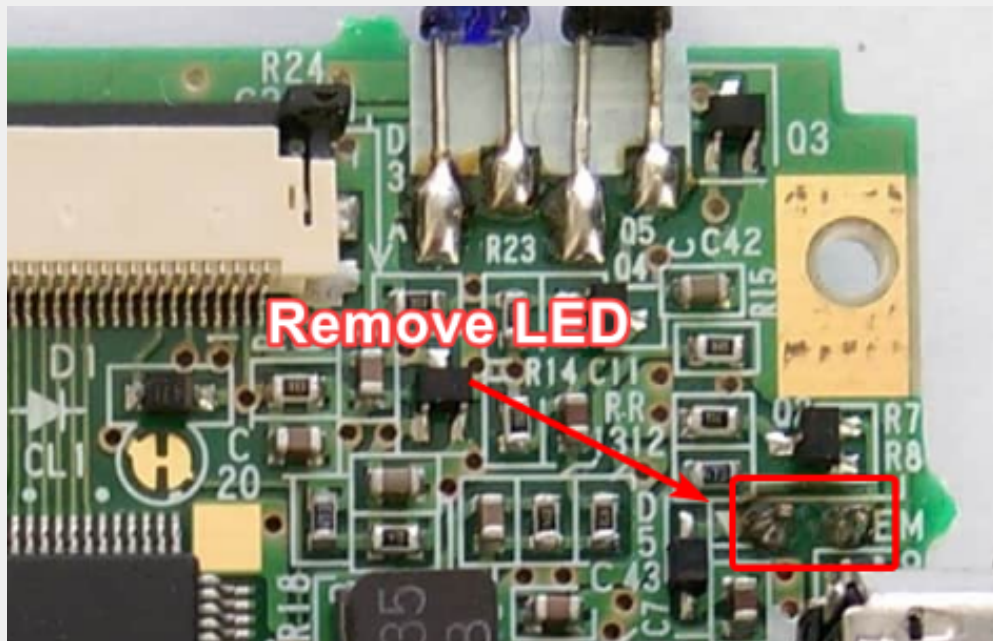
Last Updated November 16th, 2021

1. You can cycle through several modes in this kit. Navigation through the menus is done by holding **Select** and **pressing Left or Right**. You will know you've entered a menu when you see the LEDs blink twice. Here are the different menu options with their respective controls, in order:
 - a. Default Mode
 - i. No other controls
 - b. Brightness Mode
 - i. **Press Left or Right** to adjust brightness level
 - c. Color Mode Selection
 - i. **Press Left or Right** to change color mode
 - d. Color Mode Edit
 - i. See **section 2** for details
 - e. Save All Settings
 - i. No other controls. Entering this menu will save all selections and reboot the LED controller.
2. In Color Mode Edit, the controls and options will change depending on which color mode you have selected. See the table below for descriptions of each mode and the different customization options available.
 - a. User Preset Mode - Pick a unique color for each button

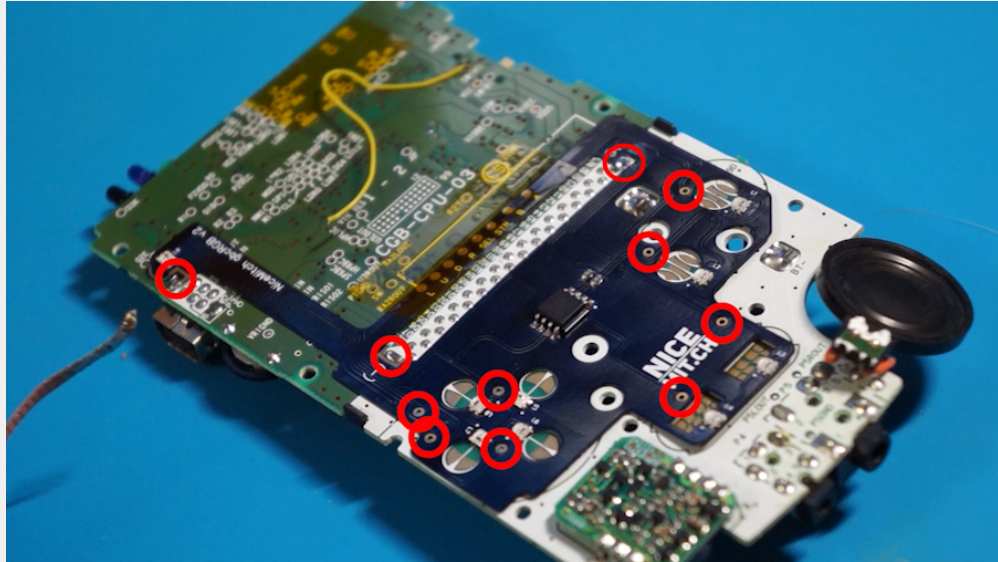
- i. **Press Select once** to toggle between *BUTTON SELECT*, *HUE SELECT*, and *SATURATION SELECT*.
 - ii. In *BUTTON SELECT*, **Press Left or Right** to change which button you would like to edit
 - iii. In *HUE SELECT*, **Press Left or Right** to change the hue.
 - iv. In *SATURATION SELECT*, **Press Left or Right** to change the saturation.
- b. Rainbow Color Mode - Fades between all colors and repeats
 - i. **Press Select once** to toggle between *SPEED SELECT* and *SATURATION SELECT*.
 - ii. In *SPEED SELECT*, **Press Left or Right** to adjust the fade speed.
 - iii. In *SATURATION SELECT*, **Press Left or Right** to change the saturation.
- c. Fairy Color Mode - Twinkles each button and makes it look magical!
 - i. **Press Select once** to toggle between *SPEED SELECT*, *SATURATION SELECT*, and *HUE SELECT*.
 - ii. In *SPEED SELECT*, **Press Left or Right** to adjust the fade speed.
 - iii. In *SATURATION SELECT*, **Press Left or Right** to change the saturation.
 - iv. In *HUE SELECT*, **Press Left or Right** to change the hue.
- d. Solid Color Mode - Display one color across all LEDs.
 - i. **Press Select once** to toggle between *HUE SELECT* and *SATURATION SELECT*.
 - ii. In *HUE SELECT*, **Press Left or Right** to change the hue.
 - iii. In *SATURATION SELECT*, **Press Left or Right** to change the saturation.
- e. To save all settings, **Hold Select and press Right**.

Install Instructions

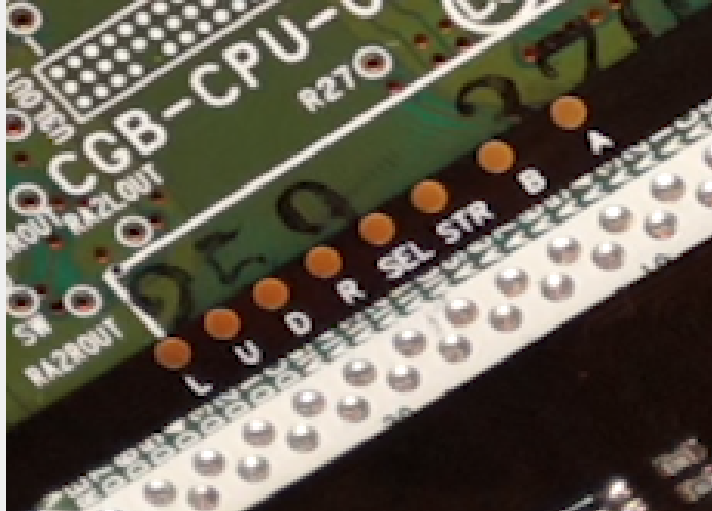
- a. Disassemble your Gameboy Color console. [See this guide on iFixit](#) for details.
- b. Remove the power LED by heating the two legs from the rear side of the board with a soldering iron. Adding fresh solder to these two points can help. Solder wick or a solder sucker can help.



- c. Flip the Gameboy Color PCB over. Align the flex board on the main board as shown. You will solder each of the points circled in red. Be sure to check your alignment and take your time before soldering. Kapton tape can help to hold the board in place before soldering.



- d. Optional - Use the pads along the top portion of the flex pcb labelled for your convenience to wire up the controls for your IPS display. This kit will not interfere with those controls and will provide a very clean end result without any wires showing.



- e. Once you have ensured all connections are secured, you can reassemble and test. The lights should turn on immediately when powering up. If you do have any issues, feel free to join my discord channel for additional support:
<https://discord.gg/jFxr9mzCB>