

Product Guide

Last Updated September 12th, 2021

1. Product Controls Overview

There are two types of inputs-- ***presses*** and ***holds***.

A **press** is performed by pressing the Select button, or D-Pad Left or Right.

A **hold** is performed by pressing the Select button any number of times, then *holding* the final press. Keep these directions in mind when reading the guide below and you will be successful in configuring/controlling your LEDs.

2. Color Modes

- A. Preset mode -- Modifiable color preset
- B. Solid color mode -- A mode to simply display one color
- C. Rainbow fade mode -- A mode that fades between all colors continuously

3. Device Modes and Controls

A. Default mode

Upon receiving your kit, the device will be in 'default' mode. You can enter configuration mode by pressing select 3 times and holding. You will know you've entered configuration mode when you see the lights **flash teal twice**.

B. Configuration mode

When you enter configuration mode, you will first enter the color mode select phase. Press Dpad Left and Right to cycle between each of the 3 color modes.

In advanced configuration mode, **press select three times and hold** to enter **edit mode**; this is the second step which will allow you to customize your chosen color mode. You will know you are entering edit mode when you see the lights **flash pink twice**.

C. Edit mode

Edit mode will change depending on the color mode you are in.

1. When in preset mode:
 - a. Dpad left and right are pressed to select which button you would like to modify.
 - b. **Press select twice and hold** to enter hue selection for the chosen button. Dpad left and right can be used to adjust the color hue.
 - c. **Press select twice and hold** again to enter saturation selection for the chosen button. Dpad left and right can be used to adjust the color saturation.
 - d. **Press select twice and hold** again to go back to button selection.
2. When in solid color mode:
 - a. Hue selection mode is the default. **Press select twice and hold** to enter saturation selection mode. Use the dpad to change the hue.
 - b. **Press select twice and hold** to go back to hue selection mode. Use the dpad to change saturations.
3. When in rainbow mode:
 - a. Dpad left and right adjusts the color fade speed.
4. To save and continue to brightness configuration mode, **press select three times and hold**. You will know you've entered brightness mode when the leds **flash yellow twice**.

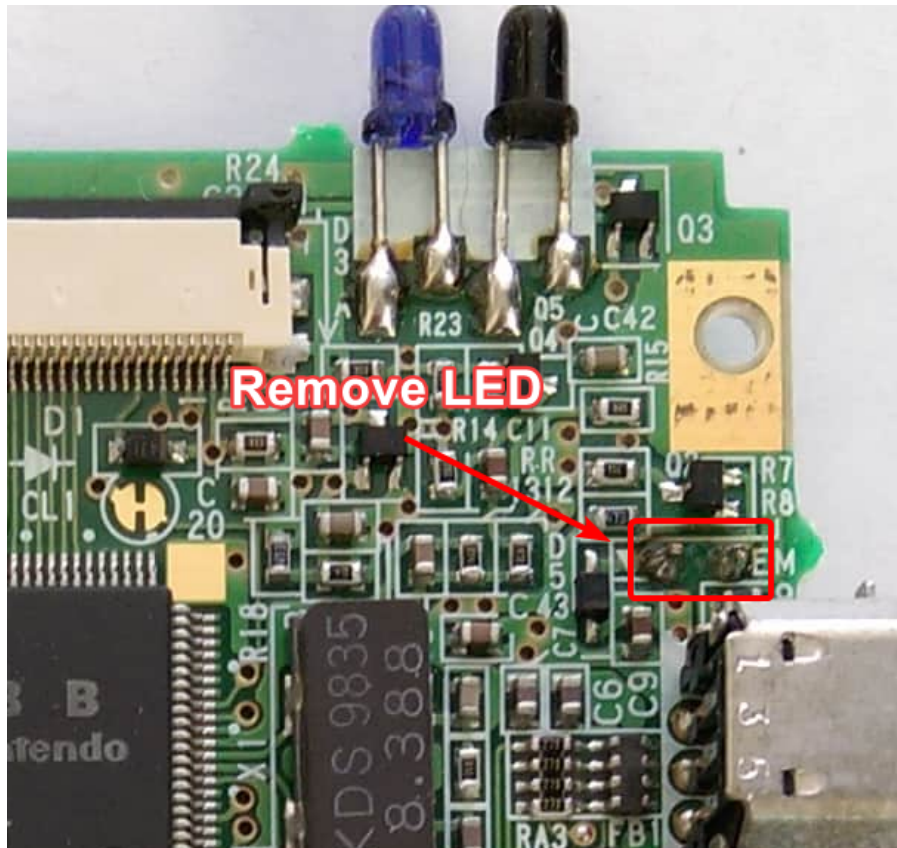
D. Brightness configuration mode

This mode simply lets you change the brightness. This is the final setting that needs to be modified before all settings can be saved to the onboard storage.

1. Adjust brightness with dpad left and right.
 2. **Save all settings** and reboot -- press **select three times and hold**. You will know you have saved all settings when you see the lights **flash white twice**.
-

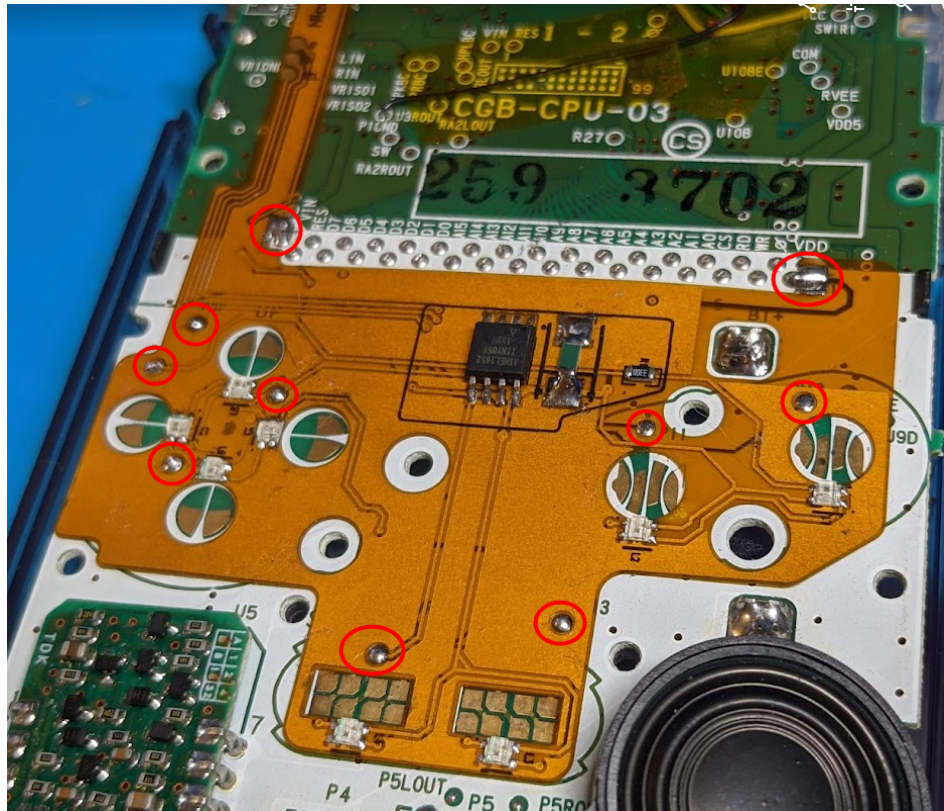
4. Flex PCB Install

- 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 power LED portion of the cable labelled A, B, and SEL 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. An additional strip of kapton tape can be used to secure the long portion of the flex cable with the power LED. If you do have any issues, feel free to join my discord channel for additional support: <https://discord.gg/jFxr9mzCB>