

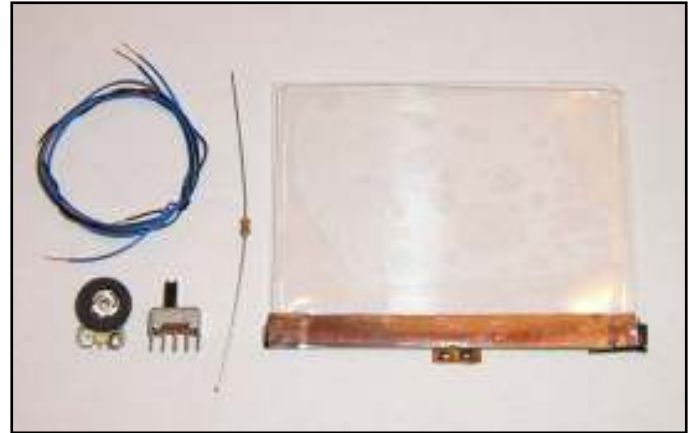
Neo Geo Pocket Color front light kit installation guide

Kit Contents:

- 1x Light Guide Panel
- 1x set of black and blue wire
- 1x resistor
- 1x contrast dial (optional)
- 1x switch (optional)

What you need:

- Small Philips, tri-wing and flathead screwdrivers
- Cutting tool
- Soldering iron
- Adhesive (optional)



Step 1:

The disassembly of the NGPC for this installation is pretty straight forward as long as you follow the steps. First remove all the screws from the back plate of the system. Note that the screw on the bottom left is not Philips, but tri-wing. Thanks SNK! After removing the back plate, unscrew the remaining screws holding the circuit board to the front panel.



Step 2:

Now it's time for some gentle prying. Using your flathead screwdriver, gently pry the joystick thumb piece off the shaft. Next, use the screwdriver to separate the speaker from the system; this can be done with just a bit of force. Next, carefully pry the LCD off the front panel. Finally, remove the screen cover off the front of the panel. You'll need to remove the screen cover so that it doesn't get damaged during step 3.



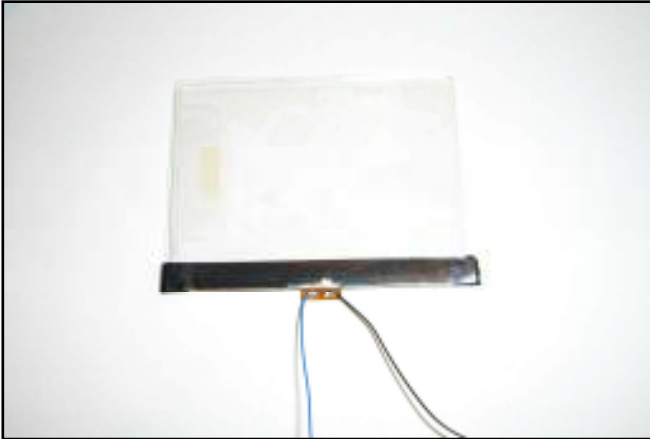
Step 3:

For the front light to fit properly, a section of the front panel of the system has to be cut, marked in red in the images below. The best method if you're low on tools is to use a pair of sharp pliers or scissors to cut the pieces, then a file to sand down the job evenly.



Step 4:

Solder one end of the blue wire to the left lead of the light guide panel, and the black wire to the right lead. It's now time to assemble the screens. First stick the screen cover back on the front of the system. After peeling the protective layer off the light guide panel, put it in place as indicated by the image below. Do this swiftly to avoid getting dust between the screens. Note that the light guide panel does not cover the entire screen, but blocks a bit on the bottom, and falls a bit short on the top, this is normal.



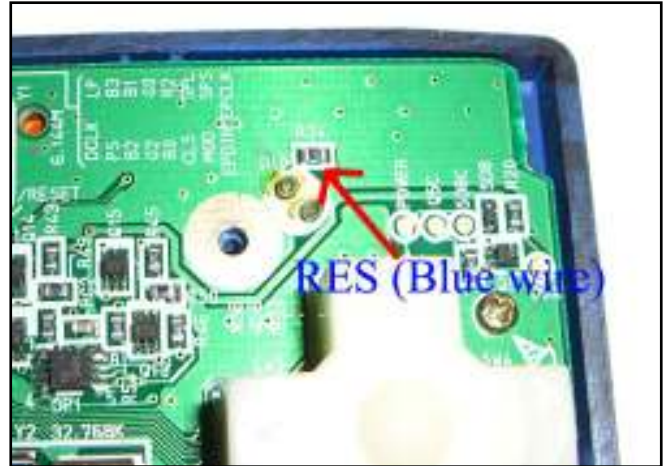
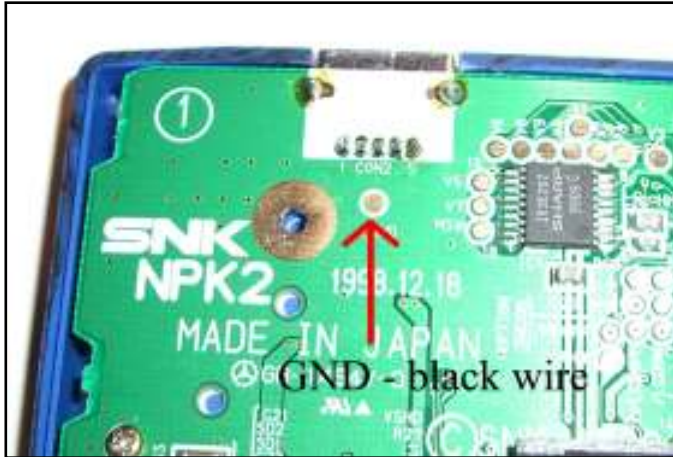
Step 5:

Place all the buttons and rubber contacts back into place. After peeling the second layer off the light guide panel, carefully place the LCD back into position on the system.



Step 6:

At this point you may choose to have the front light permanently on, or control it with a switch or contrast dial. To have the light always on, solder the black wire to the GND point indicated in the pin below, and the blue wire to the side of the resistor at the top right of the system.



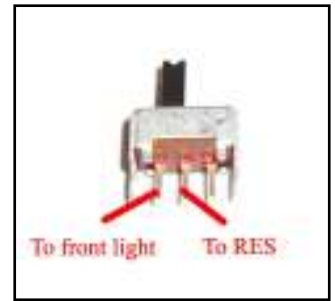
To install contrast dial:

- Solder the blue wire from the front light panel to either the left or right pin of the contrast dial.
- Solder a wire between the middle pin of the dial and the resistor
- Using adhesive, glue the contrast dial to the system, at an edge where you want access to it. A good spot is at the bottom of the console.
- Cut a hole out of the back plate to accommodate the position of the dial.



To install on/off switch:

- Solder one pin of the switch to the blue wire from the front light panel.
- Solder the pin next to it to the resistor using a wire.
- Using adhesive, glue the switch to the system, at an edge where you want access to it. A good spot is at the bottom of the console.
- Cut a hole out of the back plate to accommodate the position of the switch.



Step 7:

Almost done! Screw the system back together and you're ready to play in the dark! If you installed the contrast dial, make sure it can rotate smoothly. If not, open the system back up and increase the hole size so that there is no contact between it and the system.

