



How to hardwire the Sony DSC-P31 Digital Camera

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This document covers in detail how to modify the Sony DSC-P31 Digital Camera so that either the PixController Universal or PixController LE, or PixController RSS-Sony board can control the shutter remotely. Contact our sales at sales@pixcontroller.com or visit our web site <http://www.pixcontroller.com> for ordering information. This control chip can be ordered with the PixController board, or purchased separately.

Please note that if you make this modification to your Sony camera that you will void your camera's warranty. This modification can also result in damage to your digital camera if you do not follow the instructions properly.

Tools/Parts Needed

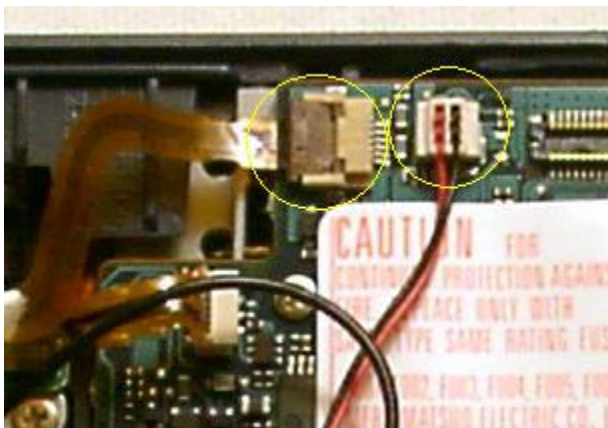
1. 2.4 mm #0 Philips Screwdriver & Small Flat Blade Screwdriver.
2. Fine tipped soldering iron with heat control.
3. 30 Gauge wire. Wire Wrap type wire can be purchased from your local Radio Shack store. Find one of the 3 part numbers: 278-501, 278-502, 278-503. They come in a spool of 50 feet of wire for \$2.99

Modification Instructions:

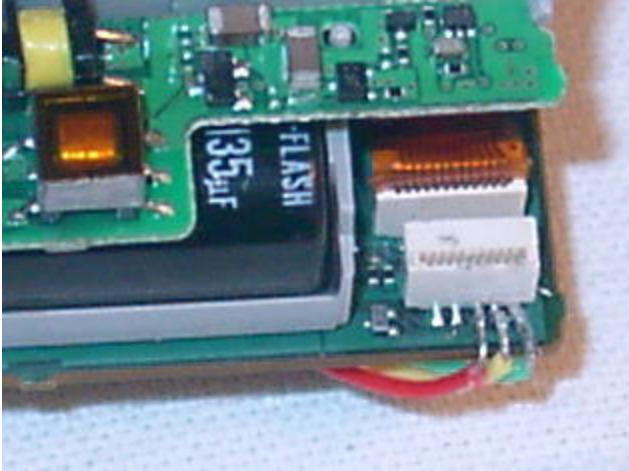
I used the phone cable. Here's my mini instructions: Take all the screws out of the case, then separate the back a little. Once you get it separated, you'll need to take a small screwdriver and pop the connector below loose. The back will completely separate from the front when this connector is loose.



Now, to get the inside separated from the front cover, you'll have to disconnect the shutter motor and flat ribbon cable below. The shutter (white connector) will just lift out with a little prying. (I left it disconnected with the shutter open for less sound when in operation.) For the flat cable, just take a small screwdriver, pry up the brown piece that holds it in place, and slide out. Once these are removed, you can gently pry the camera away from the front case.

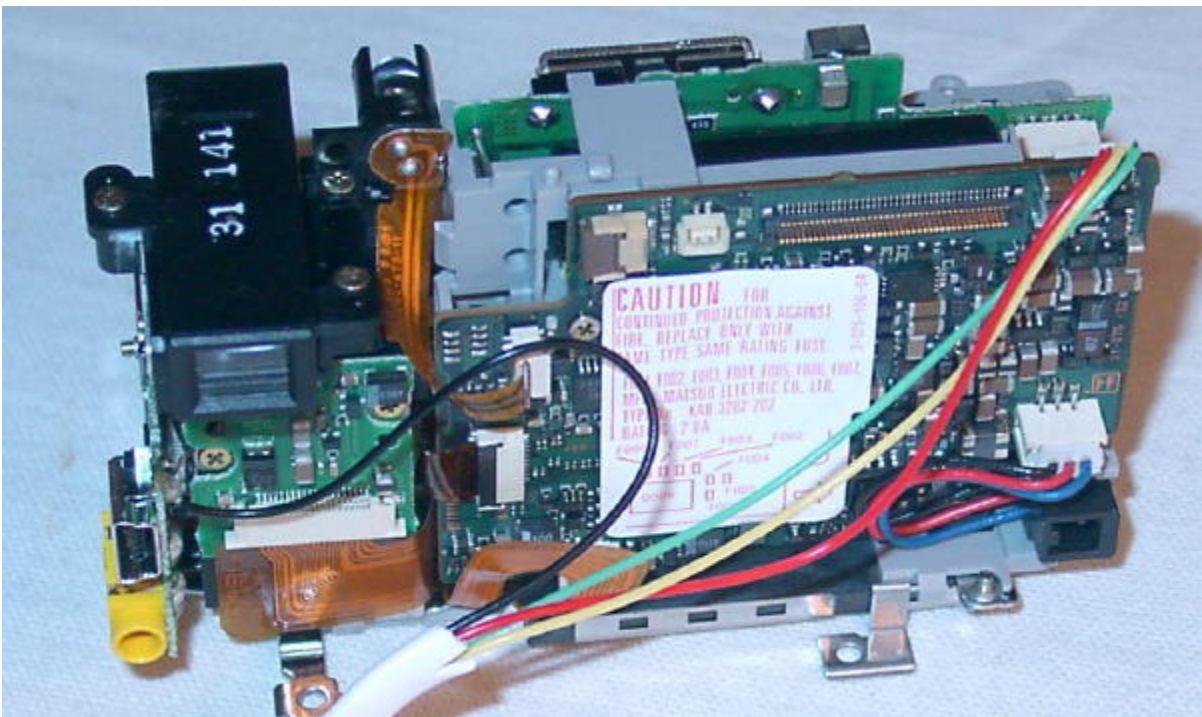


Now for connections, I just soldered the phone cable directly to the board. You'll have to remove the buttons, they clip on in two places, then remove the flat cable and you'll be able to solder to the connector that the flat cable slid into. Yellow is shutter, Green is refresh, and Red is power.



The back side looks like this. I soldered the Black wire (common) to the common on the PC cable port. I ran the phone cable out through an access port (removed the cover and just left it off) on the bottom of the camera. Now, just plug the cable in.

Not sure what you're asking about dip switches. All they do is change timing, leds on/off, etc.



Note: When wiring to the PixController LE or PixController Universal board you must solder the Refresh and Shutter wires together.