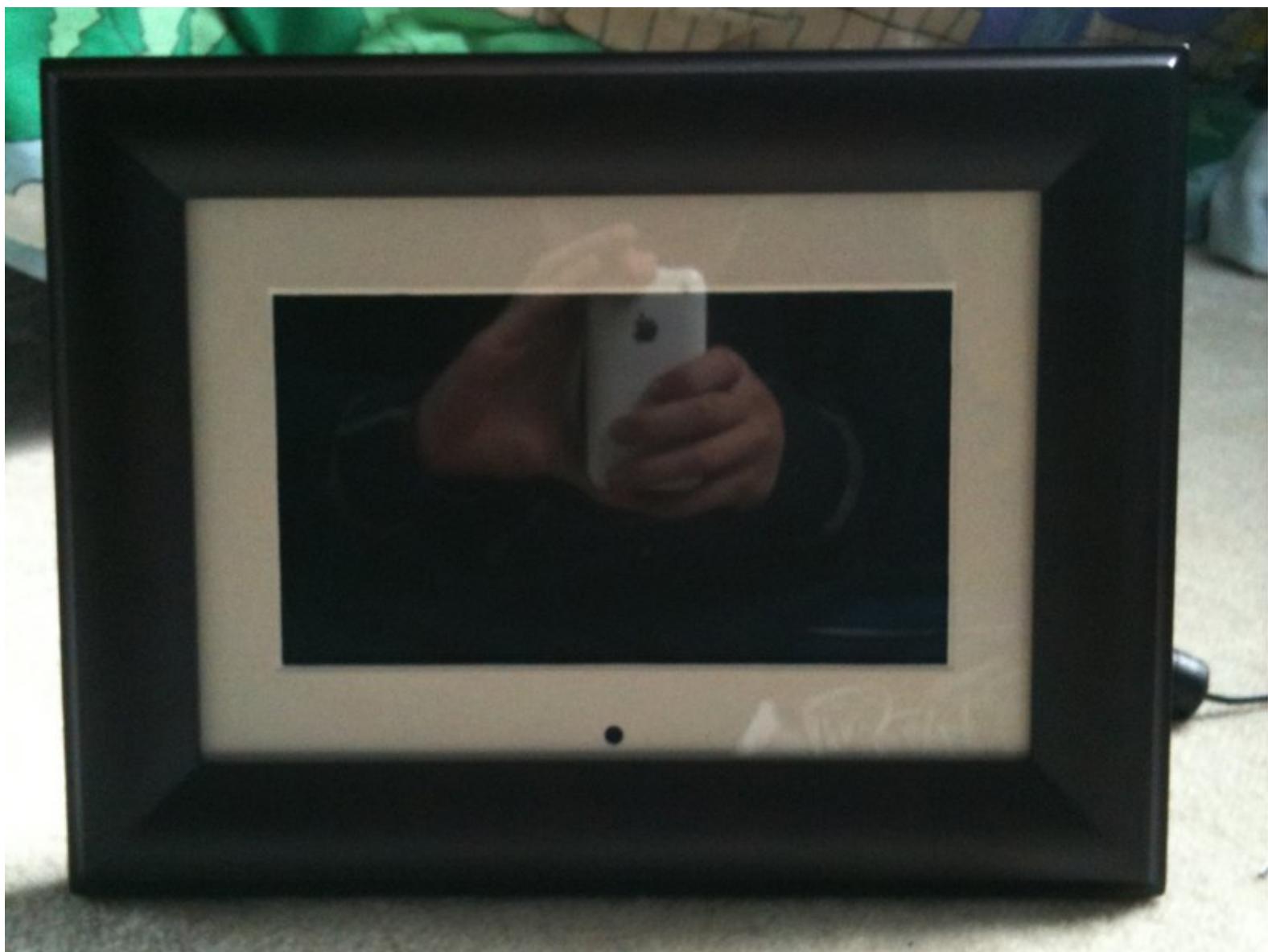




SmartParts SP800WS Digital Photo Frame Teardown

Written By: Nicholas Ouimet



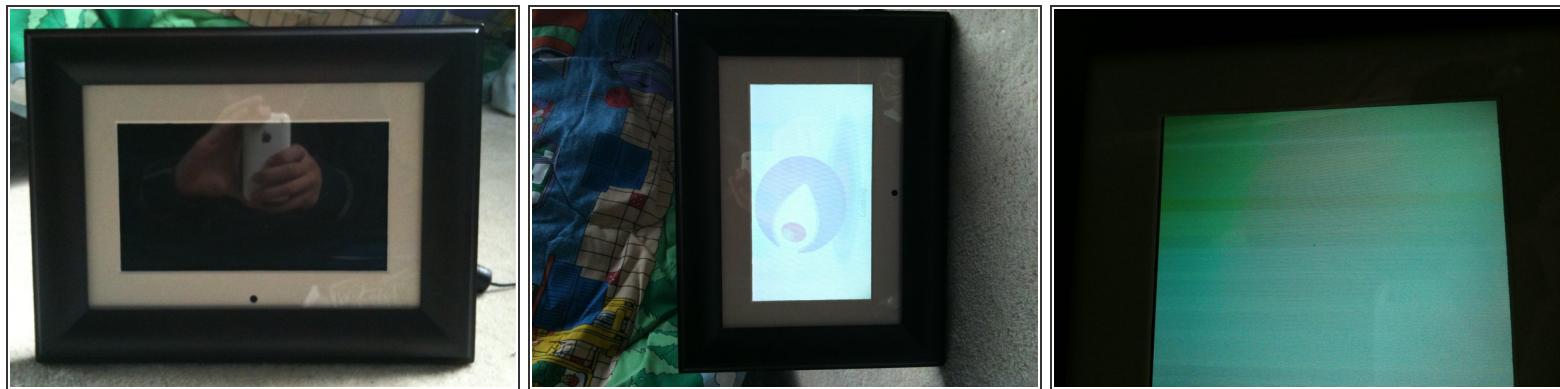
INTRODUCTION

This photo frame is a \$20-\$30 device my brother bought on eBay for my mom. Sadly, it short lived. I thought I would tear it down. The connector that connects the button assembly to the logic board was damaged by me, and so I gorilla glued it. I probably should point out it was the plug part of the wire that was damaged and not the plastic connector on the logic board its self. The display seems very lose res. Also, even though this page says this is a teardown, AND not for repair, I right all my teardowns to be repair guides for the entire device. Just go as far as you need to go.

TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Flathead 3/32" or 2.5 mm Screwdriver](#) (1)
- [Spudger](#) (1)

Step 1 — SmartParts SP800WS Digital Photo Frame Teardown



- He displayed our family photos with beauty
- He had a slightly lower es display than his friends, but was well respected
- RIP SP800W. Why did you have such a short lifespan?

Step 2



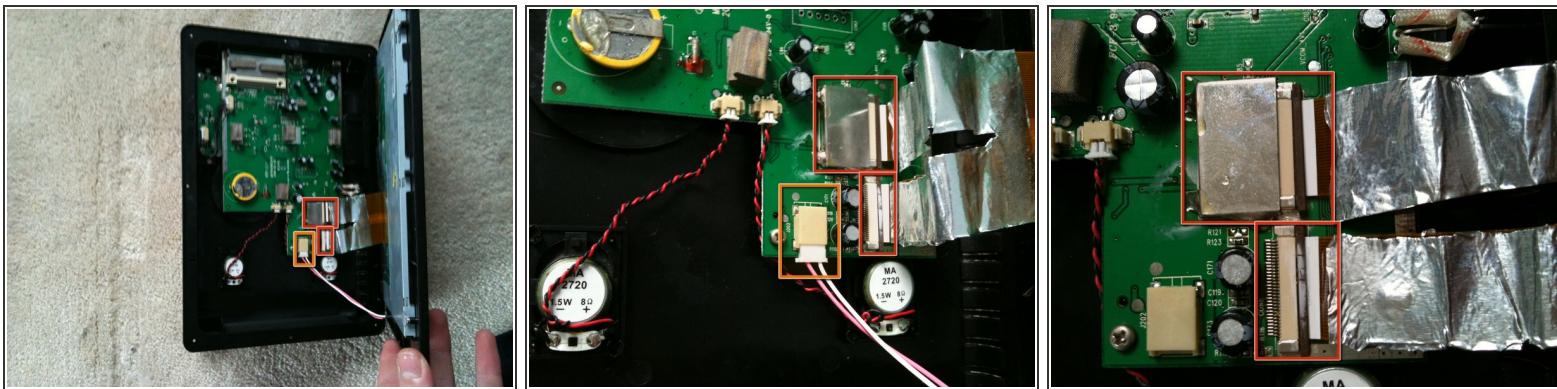
- Remove the peg screws holding the electronic photo unit to the display.
- Once the screws are removed the electronic display unit simply lifts right out.

Step 3



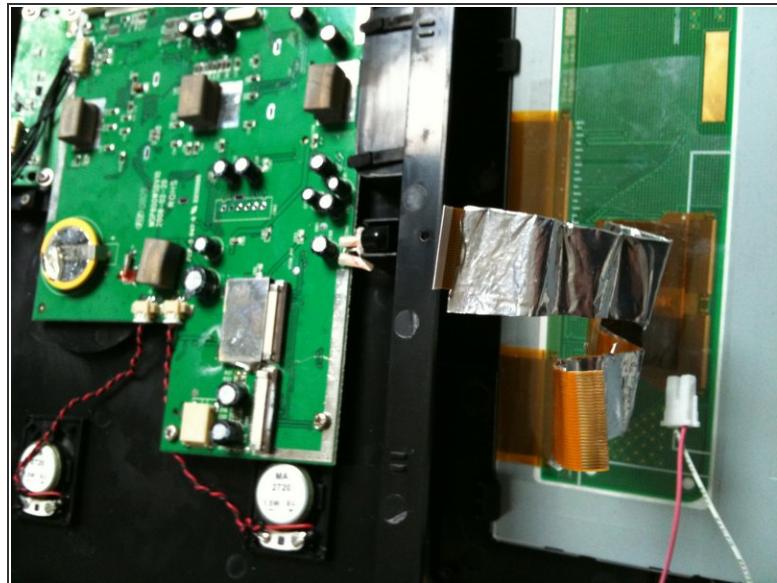
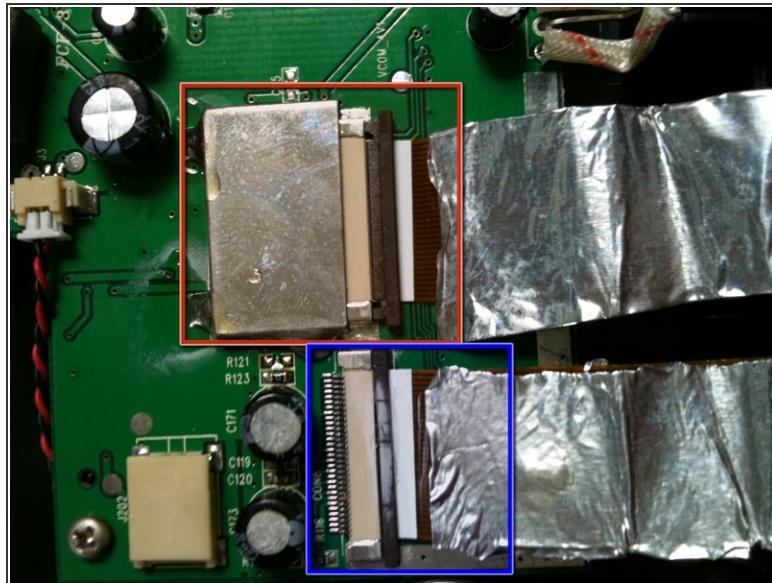
- The screws surrounded by the blue and red circles must be removed.
- Sadly the one by the memory card slot has been lost

Step 4



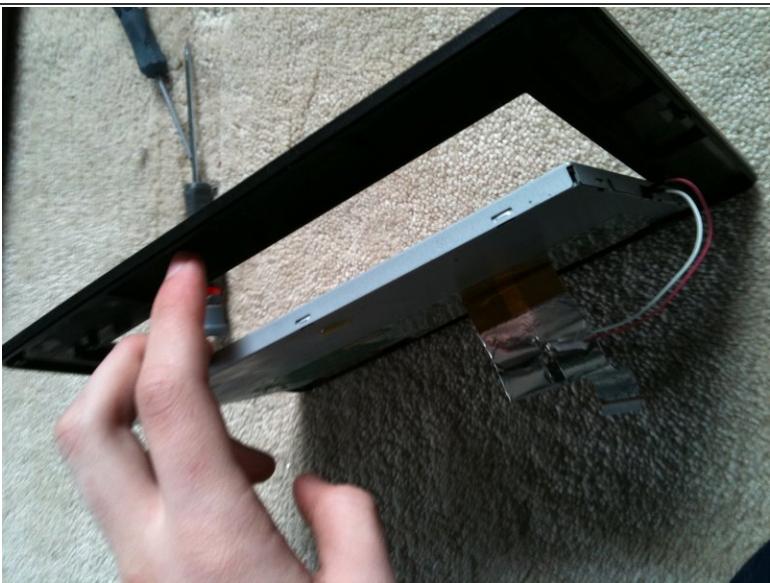
- The connector in the orange box provides the display's backlighting power.
- The Y shaped ribbon connectors in the red box feed the display images.
- With out the orange boxed connector, pictures would appear, but you would need a lamp to see them
- With out the data connectors connected, the backlight would be on, and that's it. It would be all white.

Step 5



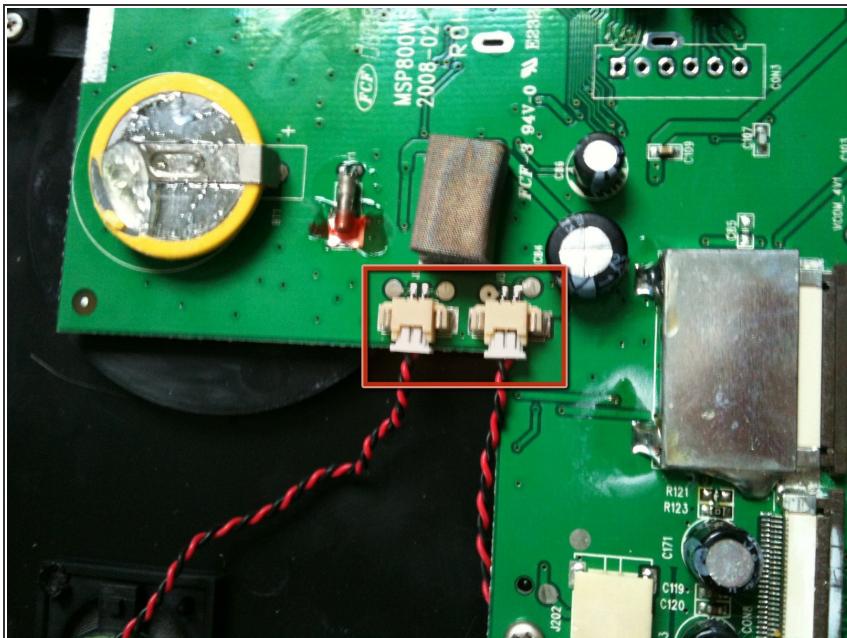
- The connector in the red box shows how the latch frees the cable. The brown latch must be slid towards the cable to free it.
- The blue box shows a slightly crooked, but looked in cable.

Step 6



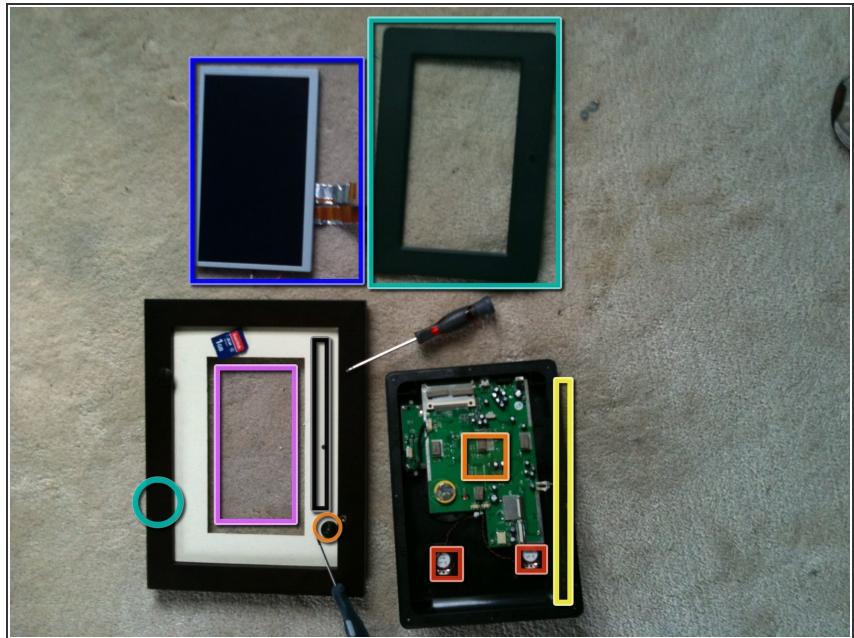
- Remove the screws with a philips 00 screw drives, and remove the two metal brackets holding the LCD to the cheap black frame.
- Then lift the display from the plastic frame.

Step 7



- Remove the speaker connectors from the logic board
- To do this, pull on the wire. As dumb as it may sound, you MUST use the wire. Pulling on the brittle plastic will harm the speaker connector (not logic board connector) As you can see, I did pull on the connector for the control board, and damaged it
- I used gorilla glue to fix that.

Step 8



- You should have
- Logic board, speakers
- rear case assembly, display (LCD panel)
- plastic front display frame
- wooded frame, peg screws
- pane of glass
- cardboard borderer

Step 9



- The first photo shows what screws need to be removed
- the second photo shows what happened when I pulled on the connector.
- I should have pulled on the black wires instead.

Step 10



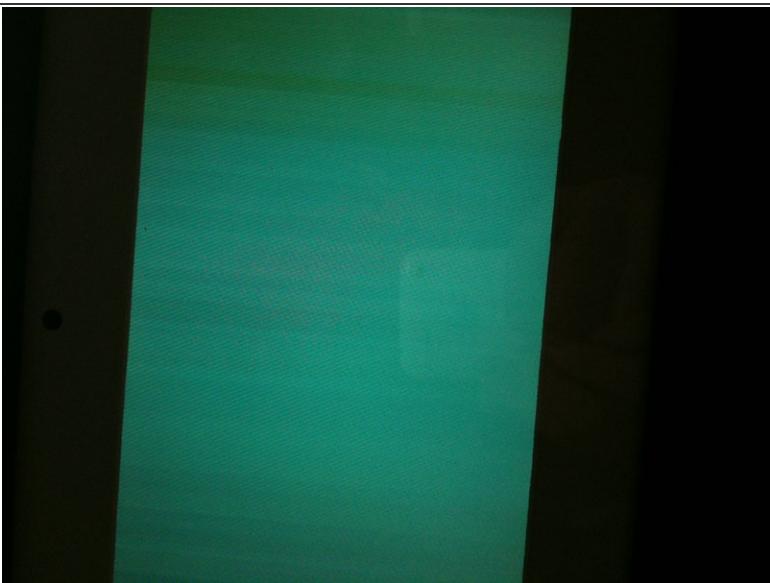
- Remove the logic board, and the case and speakers remain.

Step 11



- I googled Mlogic AML62130, and got nothing. But it's a good guess that the system IC is from China's [AMLogic](#).
- The AMLogic site is correct. [US AMLogic Site](#) Thats the US version.
- <http://www.amlogic.com/product01.htm> It even shows a picture of the SOC on the link above. Same model.
- Then they can edit this guide and let the world know what they are.

Step 12



- So after reassembling the photo frame, it still appears dead.
- Oh well. It was nice when it worked.
- All these photos were taken on an Apple iPhone 3GS 16GB White. I used sun light for these pictures, no artificial light.
- Please let me know if you find any grammatical errors, or have suggestions... I want to know.

To reassemble your device, follow these instructions in reverse order.