

Retro Cartridge

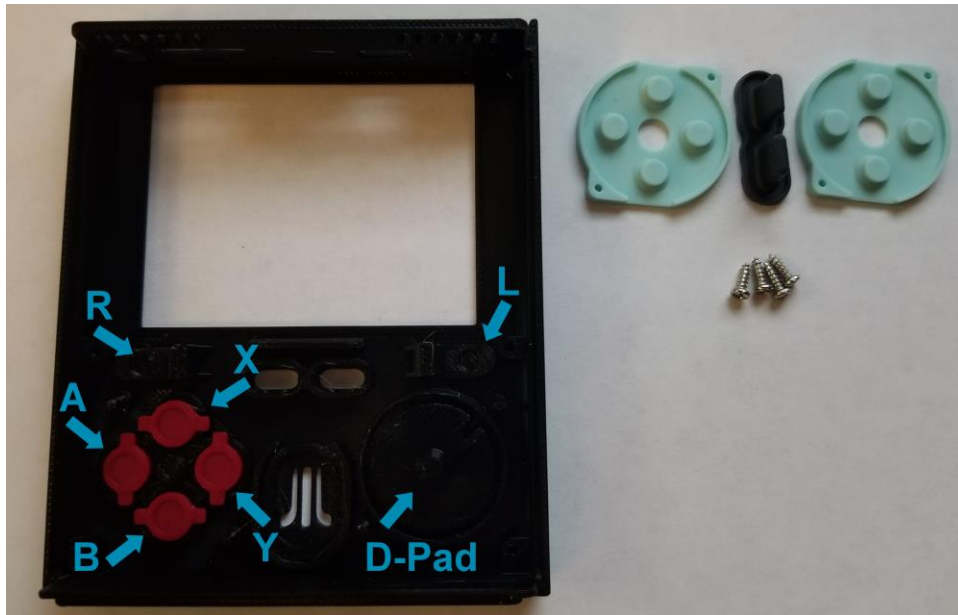
Assembly Instructions

1. Gather all of the internal components.



(The battery and Raspberry Pi not shown, since they're attached to the PCB.)

2. Place the D-Pad, A, B, X, Y, L and R buttons into the front shell as shown.

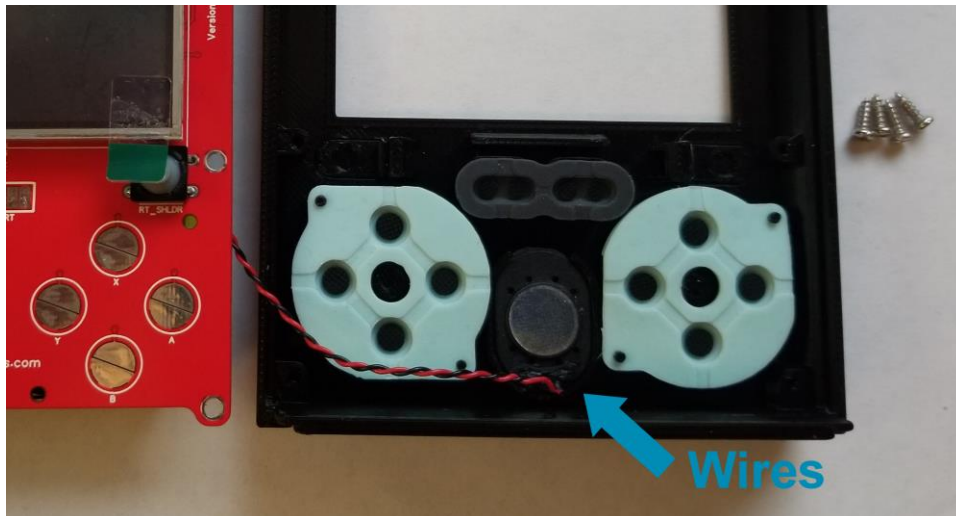


Retro Cartridge Assembly Instructions

3. Place the silicone membranes into the front shell.



4. Place the speaker inside the pocket between the buttons.



(The wires should extend from the bottom.)

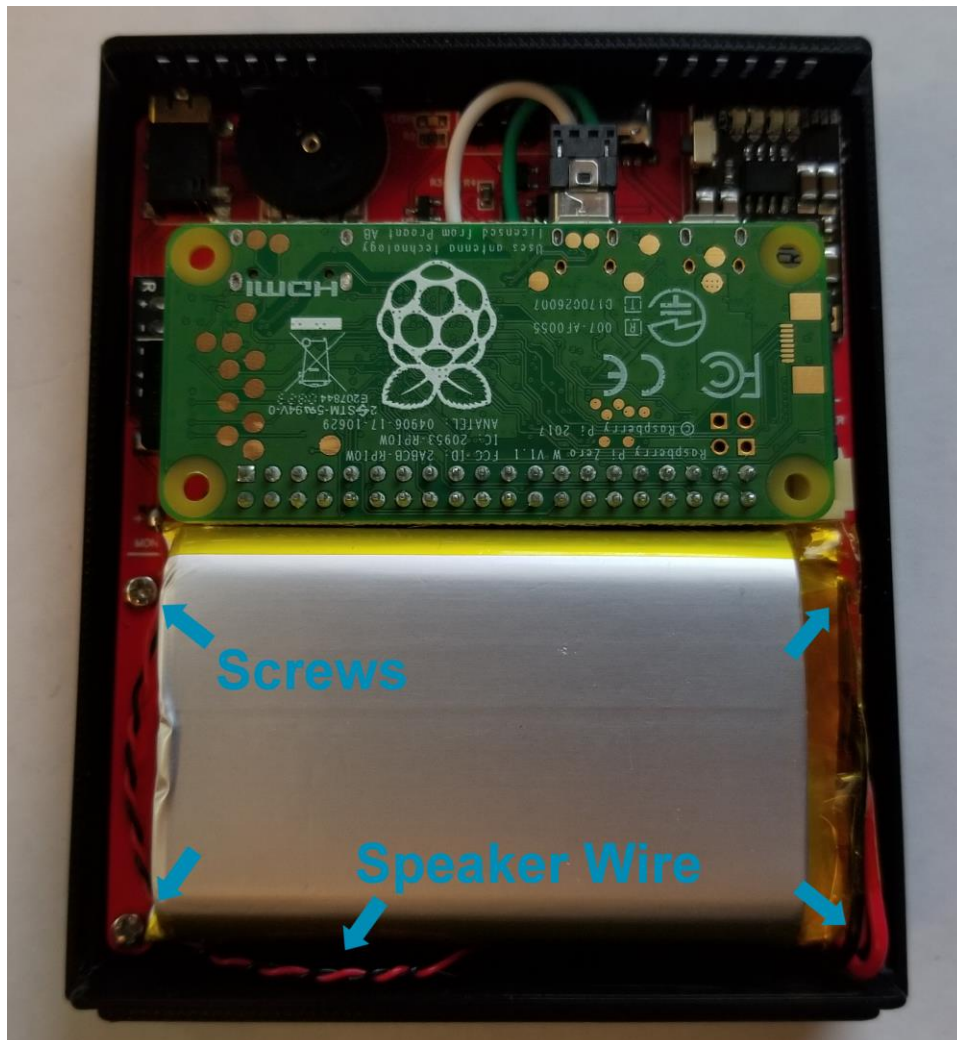
5. Peel the plastic off the screen.



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Assembly Instructions

6. Insert the PCB into the shell.
 - a. Start at the top with the headphone jack, volume wheel, power switch and USB port.
 - b. Ensure that the speaker wire is routed above the PCB.
 - c. Press down until the screen slides into place. (It should be very snug.)
 - d. Adjust as necessary so that the screw holes in the PCB are centered over their holes in the shell.
 - e. Attach the PCB to the shell with the four screws. Do not over-tighten.

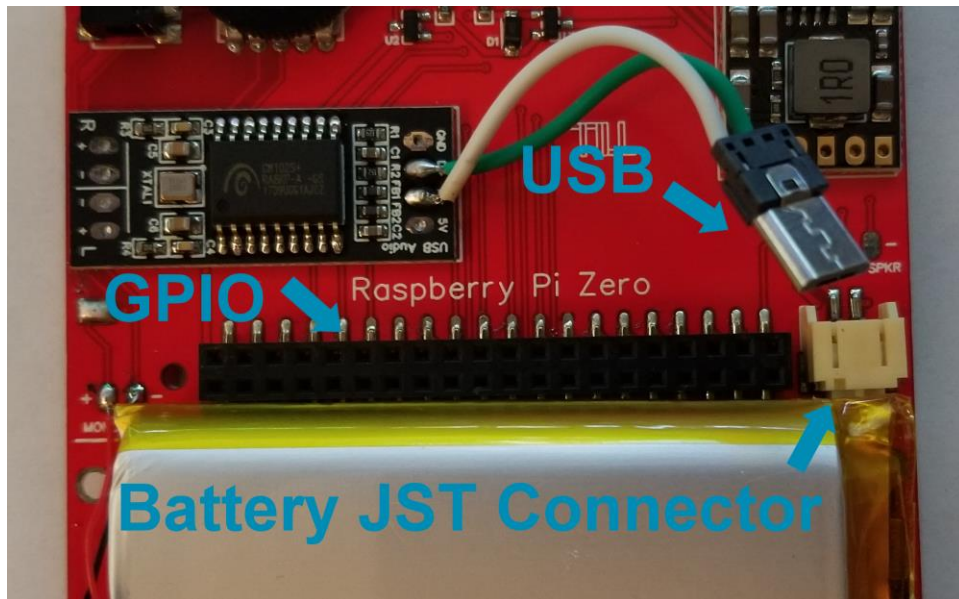


(Note that this step is easier if the battery and Raspberry Pi aren't attached yet.)

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Assembly Instructions

7. If the battery or Raspberry Pi are not connected yet, follow these steps:
 - a. Insert a prepared SD card into the Raspberry Pi.
 - b. Attach a heatsink or heat spreader to the Raspberry Pi's CPU (recommended).
 - c. Plug the USB cable with the green and white wires into the central micro-USB port on the Raspberry Pi (as shown in the previous image).
 - d. Plug the Raspberry Pi into the GPIO header.
 - e. Plug the battery into the JST connector.
 - f. Attach the battery to the PCB with double-sided tape or 1mm thick adhesive pad.



8. Close the shell
 - a. Start with one side, making sure the speaker and battery wires won't be pinched.
 - b. Lower the other side, then work your way around the corners until it's firmly pressed together.

