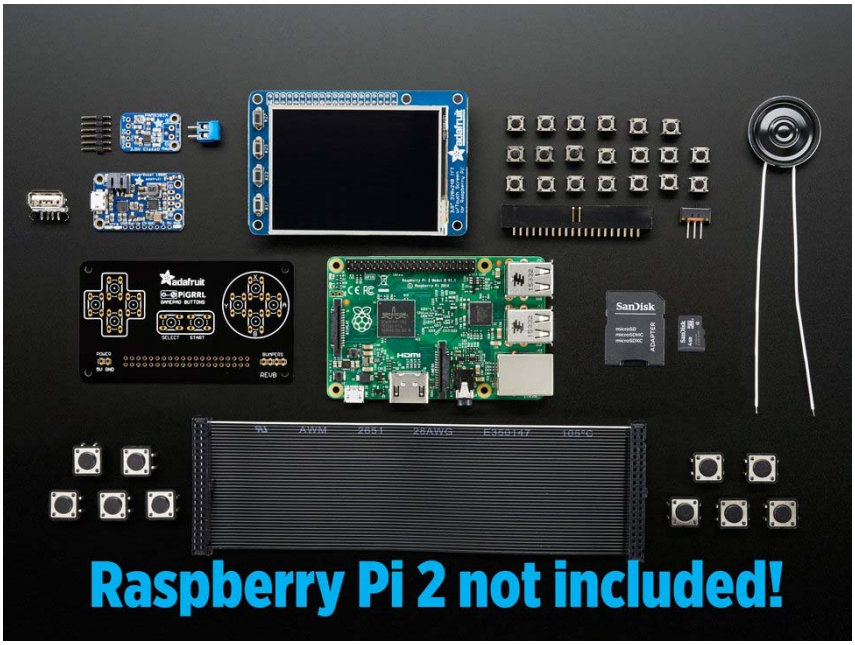
PiGRRL 2.0 Kit Pack - Build your own Pi Game Emulator! - CASE + RASPBERRY PI NOT INCLUDED

PRODUCT ID: 3014



Description

For all those who feared their Game Boy days would be but a memory, worry no more! The Game Boy may be dead, but with this pack you'll have a chance to revive it. We've collected all the right parts so you can assemble the guts of your very own DIY GameGRRL - a portable Raspberry Pi running MAME and NES emulators.

This is version 2.0! We've updated this project for the Raspberry Pi 2 or 3 with more buttons (D-Pad, A,B,X,Y,L,R, pause and start), and four extra buttons on the PiTFT.

This portable handheld game emulation station is called the PiGRRL and it's powered by a Raspberry Pi 2 Model B and a PiTFT display. You'll have to do all the 3D printing, assembly, and installation yourself to get gaming, but our learn guide will help you get through the process.

This PiGRRL pack has just about everything you need to make this project EXCEPT the Raspberry Pi, case, battery, wires and hardware, and hand tools for soldering, cutting, etc. You will need to 3D print your own case - but check out our 3D printing guide for the pack so you or your friend can 3D print an enclosure. You need a ~2500mAh lipoly battery and we only guarantee that it will work with our batteries. Using the wrong polarity or chemistry battery can destroy your PiGrrl project.

With this update, we really wanted to make it easier to build. We've dramatically cut the build time in half by making a custom gamepad PCB. Just solder in the buttons and an IDC box header to the gamepad PCB - No more tedious button wiring! We also sell just the PCB on it's own.

You will also need to solder together the parts so many hand tools and other small parts such as silicone wires, screws or blue tack are required. Please read through the tutorial so you can see what else is needed to complete this project!

Please note this is a medium-difficulty project that uses many Maker skills such as soldering, 3D printing and installing Linux! The PiGRRL2 is a fun build but it is a DIY project, it will not have perfect audio/video/emulation capabilities.

Technical Details

This pack includes:

- 1x - PiTFT Plus Assembled 320x240 2.8" TFT + Resistive Touchscreen
- 1x - PiGRRL 2 PCB
- 1x - 2x20 pin IDC Box Header
- 1x - Adafruit Mono 2.5W Class D Audio Amplifier - PAM8302
- 1x - Breadboard-friendly SPDT Slide Switch
- 1x - GPIO Ribbon Cable - 40 pins
- 1x - Mini Metal Speaker w/ Wires - 8 ohm 0.5W
- 1x - PowerBoost 1000 Charger - Rechargeable 5V Lipo USB Boost @ 1A - 1000C
- 1x - 4GB Blank SD/MicroSD Memory Card
- 20x - 6mm Tactile Button switches
- 10x - 12mm square Tactile Button switches

You will also need, at a minimum:

- Raspberry Pi 2 or Pi 3
- Lithium Polymer 2500 mAh battery or Lithium Polymer 2000mAh battery (smaller, less battery life)
- Silicone or PVC stranded wires in various colors
- 3D printed case
- Hand tools for soldering and basic assembly

As of July 20th, 2016 we are no longer shipping these with a Raspberry Pi. There's a lot of Pi 2/3s out in the world and we're hoping this will help get you your PiGRRL faster!

Note: As of May 3rd, 2016, this product no longer contains the Lithium Ion Polymer Battery - 3.7v 2500mAh to make air-shipping easier.