RPSP: Retro Pi Station Portable

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Chapter 1

Introduction

The RPSP, Retro Pi Station Portable, project is designed to be a custom portable system in the shape of the classic PSP, Playstation Portable, handheld system. The plan for the system is to be about the same size of the original PSP, which might require desoldering the original Pi. The scope of the project is to learn soldering skills, CAD software, and to see if I can fit a RPI, raspberry pi, a battery, a tft screen, a speaker, and the neccesarry buttons.

This project will take considerable amounts of time and design work.

Chapter 2

Specifications

2.1 Hardware Specs

2.1.1 Sound

- Play sound through speakers
- Play sound through audio out jack

2.1.2 Controls

- Button pair to adjust volume control
- Buttons to control game system
- Twin anologue sticks for variable movement
- Sound

Device will have the ability to play sound through speakers or through external jack

• Controls

Device will have several buttons to control functionality of the Device

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Chapter 3

Design

Chapter 4
Software

Chapter 5
Hardware

Chapter 6
Build Guide