Tom’s Video Playing Sculpture

Written by:

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Technical Documentation:

Starting Interface:

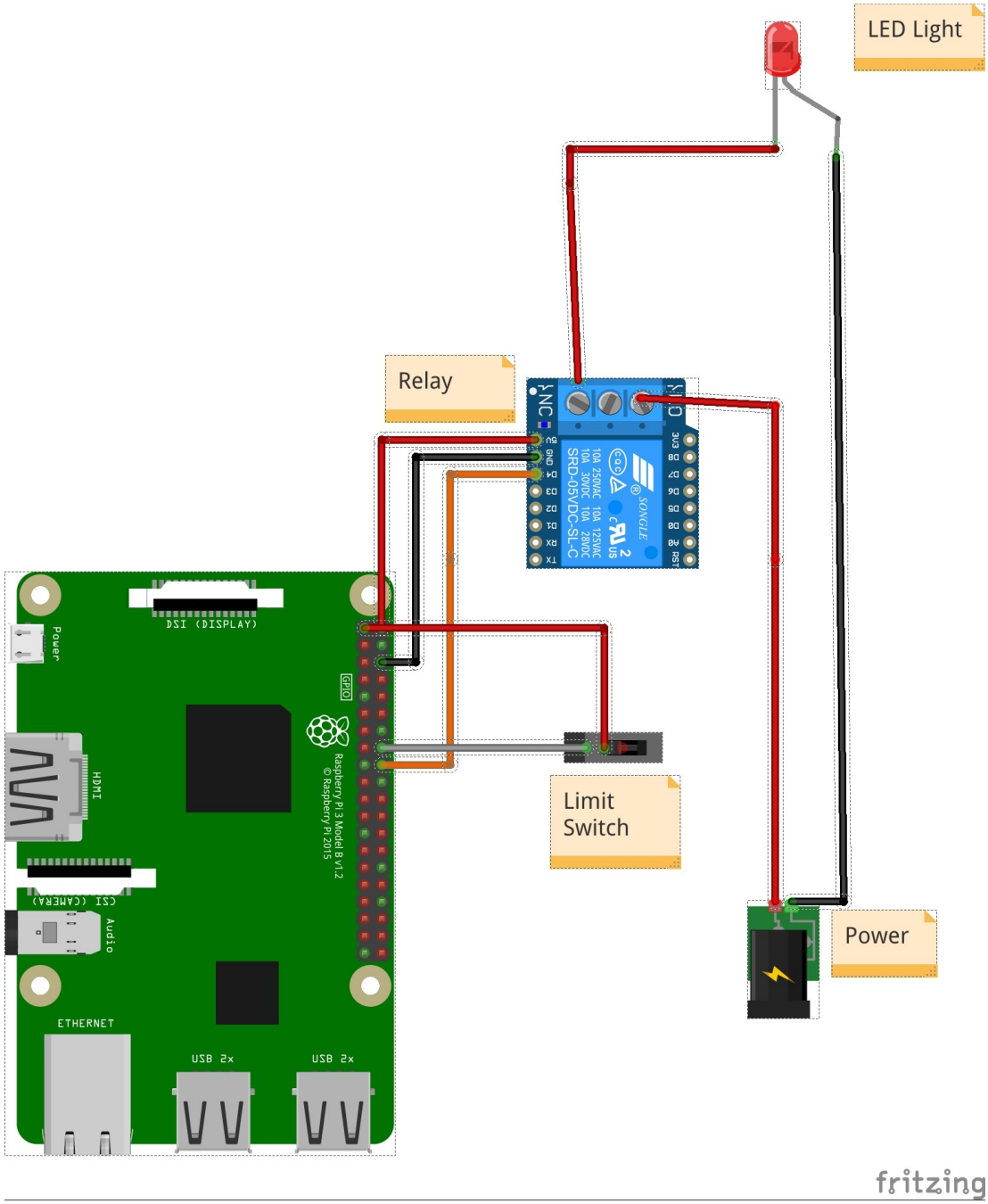
- Connect the raspberry pi and wait for it to boot.
- Connect to the device’s wifi network (Tom’s-Wifi) with password: ***tomsculpture***
- After successful connection log into the interface by going to http:172.24.0.1:3500/
- From there you can manage the different aspects of the application.

Using Interface:

I tried to make the interface as simple as possible it is divided in blocks which mean:

- **Test Console**: From this block you can test the relay is controlling the light as expected by turning the switch provided, Also the pen is a link to this document which I will also provide to you by email. The envelope link opens your email client to send me an email in case you need support. The other buttons are quite self explainatory, if you wish to start the process press start and the system will work as you requested. If you have any trouble try pressing the reboot button for a fresh start, wait unitl the pi boots and connect to the same ip address provided. If you wish to turn off the system press the shutdown button ***NOTE: The raspberry pi normal shutdown sequence DO NOT turn off the on board LED’S, wait a few seconds and disconnect :).***
- **Available Videos:** This block shows you the available videos stored in the server. From this block you can delete videos and assign the current video to be played by touching the trash and star button respectively.
- **Upload Videos:** From this block you can upload videos to the server.

Wiring Diagram



All wiring on this schematic represent the actual wiring of the finished product colors and pin connection to the raspberry pi. Sorry the relay is not the same but the main part is understandable just plug the headers I already connected to the relay on the same way they are connected here. If by some rattling on the way the cables get loose follow this diagram with the help of the google search (‘raspberry pi 3 gpio pinout’ it will make things easier and more understandable).

Invoice:

INVOICE

Los Caobos calle Acerola 979
Ponce, PR 00769
Phone: 939-251-4425 email:dabo021213@gmail.com
http://invoice.com

Date: 26/05/2017
Invoice # 1

Bill To: Tom Ribot

Service To: Tom Ribot Kuster

First Name	Last Name	Profesion	Terms	Due Date
Francisco	Burgos	Full-Stack Dev Controls Engineer	Fixed Price	26/05/2017

Product #	Description	Qty/Hours	Unit Price	Line Total
1	Raspberry Pi 3 Kit Link Here	0.00	59.99	59.99
2	Relay Module Link Here		2.27	2.27
3	Limit Switch (Sent in Box)		4.24	4.24
4	Manual Labor	35hrs	192.13	192.13

Subtotal	258.63
Discount %	0%
Discount Amount	0.00
TOTAL	258.63
PAID	0.00
TOTAL DUE	**258.63**

Notes:

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