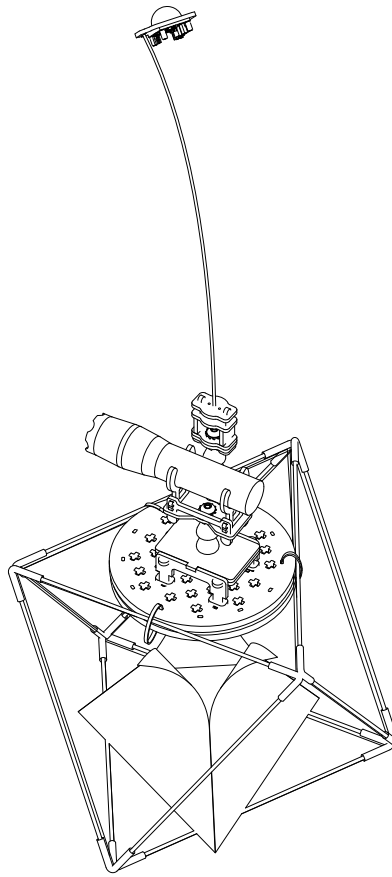


DOMAINE DE BOISBUCHET SHADOWS AND WHISPERS

Philip Beesley & Rob Gorbet / Living Architecture Systems Group
2022 Workshop



4

Electronics Hardware & Software Manual

Contents

3	Introduction
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Introduction

This manual describes the electronic components and software used in this kit. It demonstrates recommended connections between the “control” boards, and the actuators (motors, lights) and sensors. By following the recommended connections, the electronic components can be flexibly arranged in a wide variety of different configurations.

This manual provides a detailed description of the “profile” configuration software used to customize how the physical electronics behave. This software will allow you to finely tune the output of individual mechanisms, how they respond to external stimuli, and how they propagate through a system. It will also allow you to then plan out physical configurations and simulate larger systems on a virtual canvas.

Online Content

Workshop Documents



Documentation for this workshop will continue to evolve. In order to obtain material produced after the date of printing this physical booklet, go to the following download site:

[https://3.basecamp.com/3601494/buckets/28644617/
vaults/5188805890](https://3.basecamp.com/3601494/buckets/28644617/vaults/5188805890)

Online Content

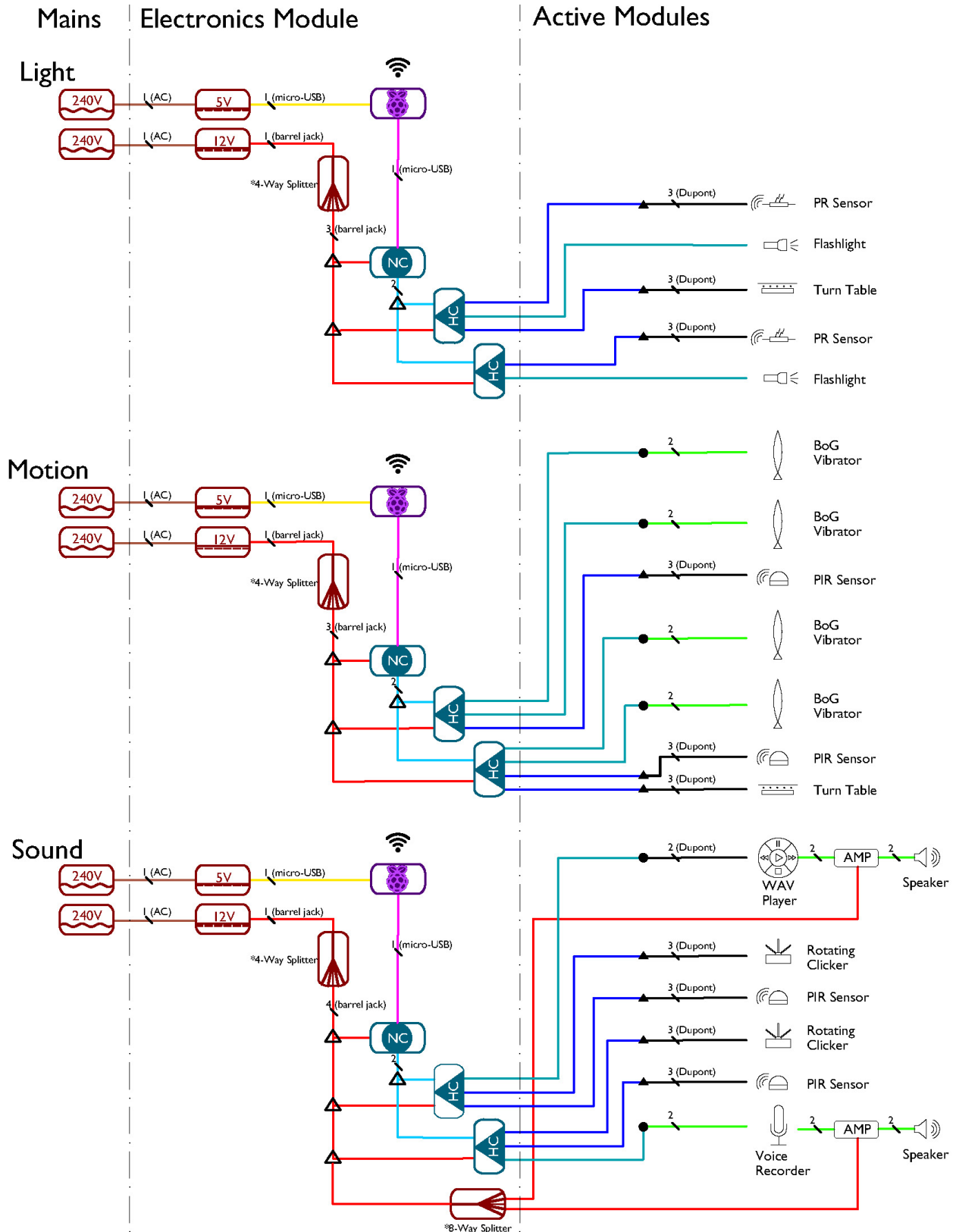
SAI Designer



Documentation for this workshop will continue to evolve. In order to obtain material produced after the date of printing this physical booklet, first connect to wifi and go to the following download site:

















<http://GroupX.local:3022>

Scaffold Stations Wiring











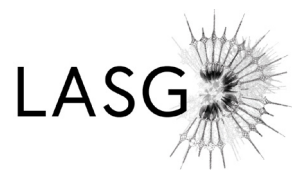
Legend

Symbols

 PR Sensor  PIR Sensor  Flashlight  Turn Table  BoG Vibrator  WAV Player  Speaker  Rotating Clicker  Voice Recorder	 Raspberry Pi Computer  USB Splitter  Node Controller  High Current Device Module  Mains Power  DC Power Supply (Specify Volts)  Power Splitter <p># (type) Bundle of # (type) Cables</p> <p>△ Cable Branch Point</p> <p>● Cable Joint (in-line connection between cables)</p> <p>▲ Sensor latch board (6P6C to 3 Dupont)</p>
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Linetypes

 Mains Power Cable	 8P8C Cable	 General Drawing
 12V DC Cable	 4P4C Cable	 USB Cable
 5V DC Cable	 Speaker Wire	



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