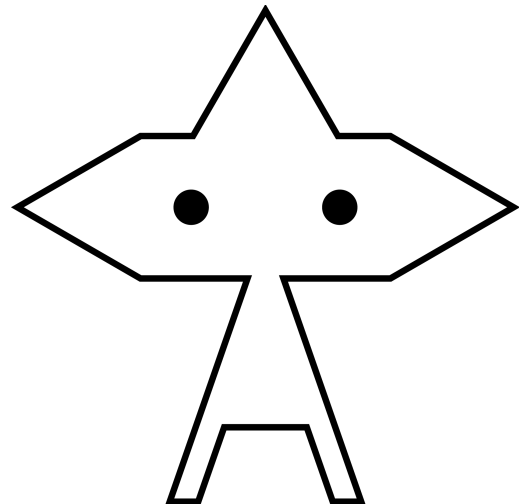
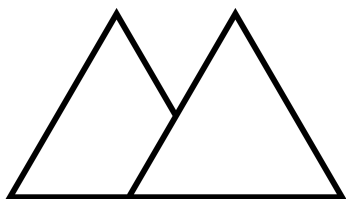


WALLY

The Wobblesynth

Quick Start Guide



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I. Introduction

a. Description

Wally is a fully analog “Wobblesynth” designed to generate the classic wobble sound reminiscent of early dubstep.

Wally is designed to be simple, handheld, and easily accessible to those without prior experience with synthesizers. The controls have immediate and gratifying results and are calibrated to ranges more likely to produce “acceptable” sounds.

b. Getting Started

The top left switch powers on the synthesizer.

The left knob controls the pitch and the right knob controls the wobble rate.

When the switch on the right is in its left position, the synthesizer will wobble indefinitely.

When the switch is in its right position, the synthesizer will only wobble while the button is pressed.

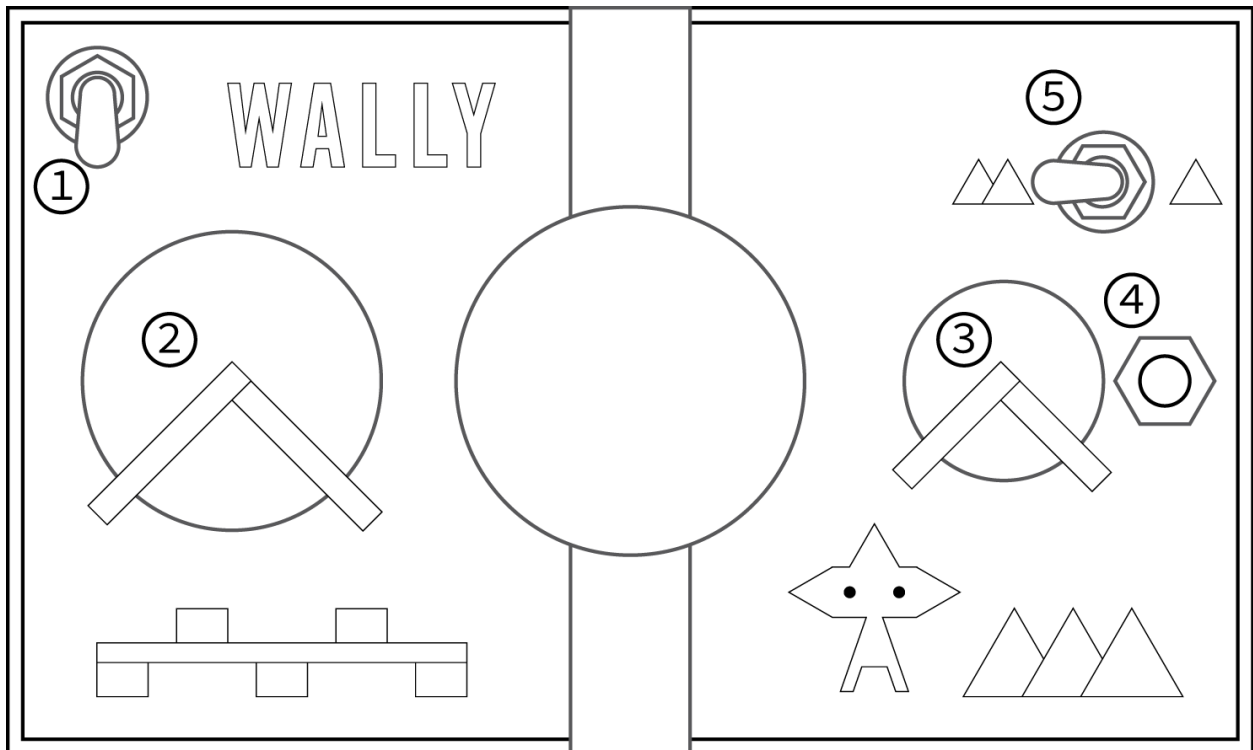
Tip: When the wobble rate knob is fully counterclockwise, the synth will play sustained notes (not wobbles) at a fixed rate. This mode can be used to play melodies using the button and pitch knob.

II. Features

a. Overview

Wally is simply composed of an oscillator and a low-frequency oscillator (LFO). The LFO controls the amplitude of the oscillator. The LFO can either run indefinitely or be gated via button on the panel.

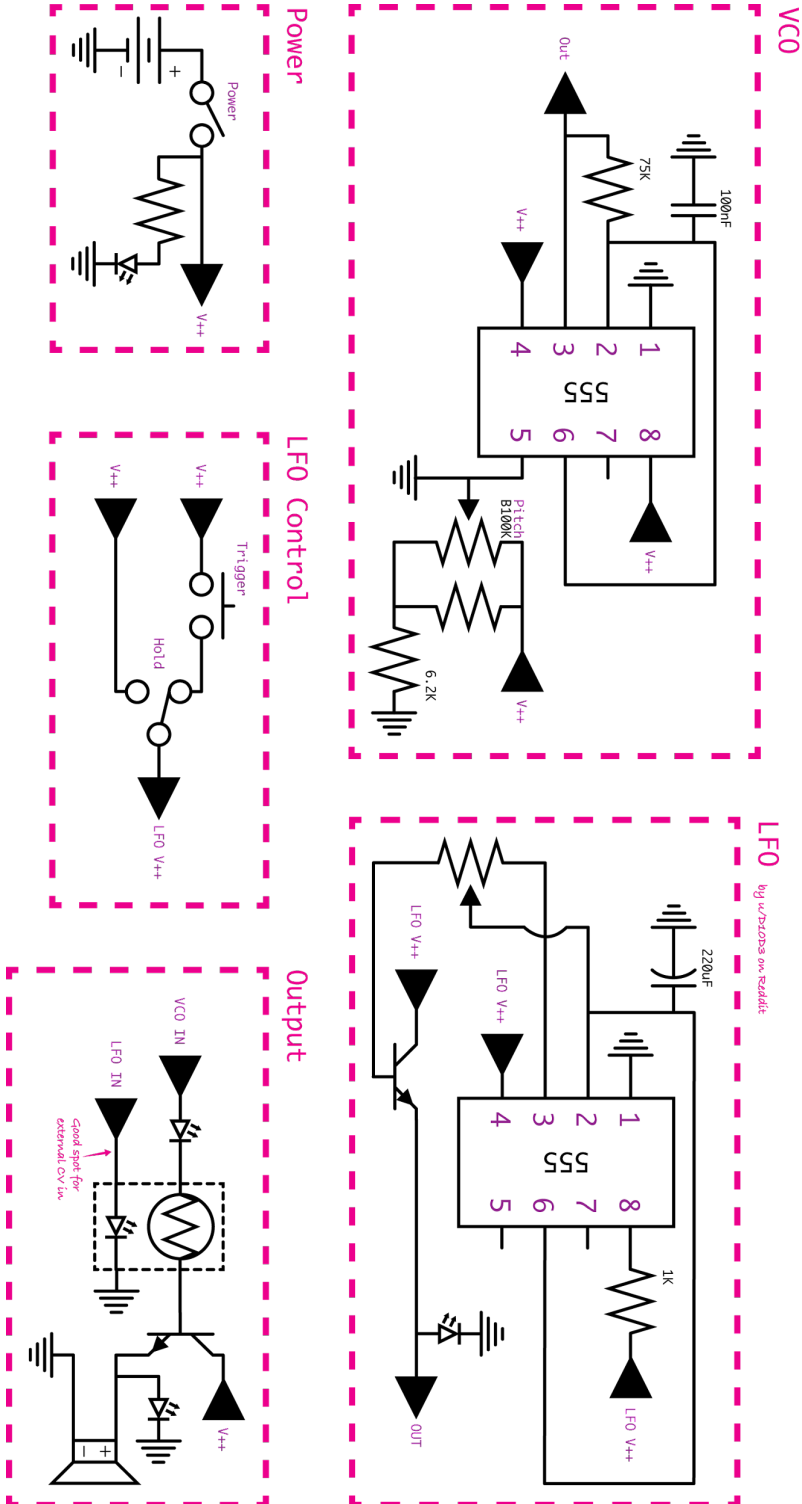
b. Controls



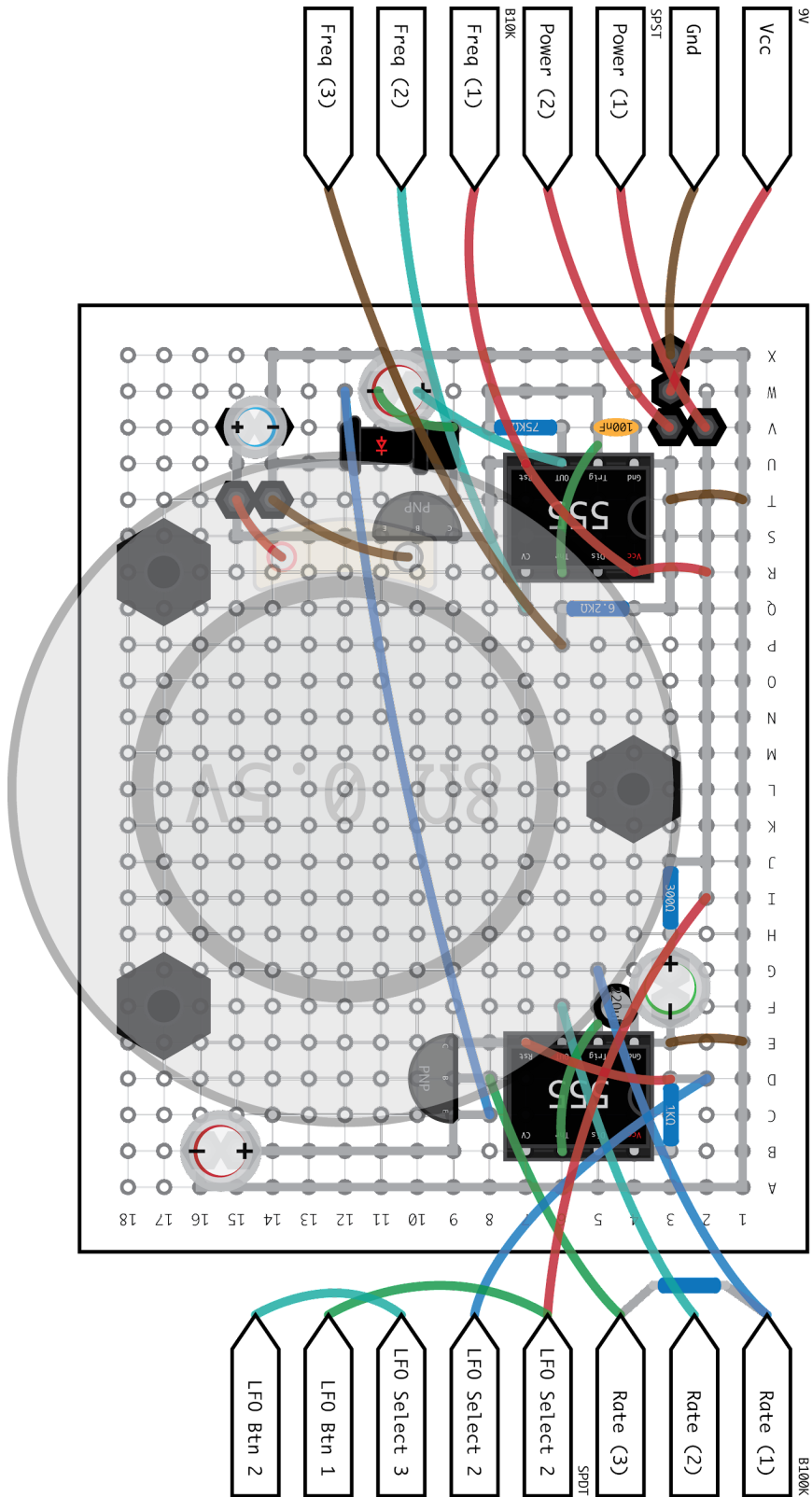
1. Power switch
2. Oscillator frequency
3. LFO frequency
4. LFO gate
5. LFO control toggle

III. How It Works / Maintenance

a. Schematic



b. Proto Board Layout



c. Replacing The Battery

Wally requires one 9V battery.

WARNING: This product contains lead. Avoid touching your eyes or mouth after handling internal components.

To replace the battery:

1. Release the latch on the front of the unit and lift the lid. Rest the lid in the fully open position.
2. Remove the battery located in the bottom left corner of the unit by pulling the battery directly upward.
3. Remove the battery from its connector by holding the connector in one hand and the battery in the other and carefully prying them apart. Do not pull the wire attached to the battery connector. This can take some force, so be careful not to smack Wally. He doesn't like being smacked.
4. Snap the new battery into the connector.
5. Insert the new battery into the battery slot, making sure that the wire is oriented inward so it doesn't interfere with closing the unit.
6. Make sure all wires are tucked inside the unit as you close the lid. Latch the lid, wash your hands, and wobble your heart out.

