

Switch Adapted Bubble Blower Fan

DESIGN RATIONALE

Introduction

The Switch Adapted Bubble Blower Fan is an adapted bubble machine that can be used with a 3.5 mm assistive switch. While there is a similar Switch Adapted Bubble Blower Fan in the MMC library, this bubble blower is a couple of years old and it is becoming harder and harder to source the original toy. This Bubble Blower Fan can be found at Walmart or online at several locations including Amazon. This switch adapted bubble machine may be beneficial to someone who may have difficulties pressing the original small button due to its size, location, or required activation force.

Requirements

Goals

G01	Adapt an easy to source bubble machine
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Functional Requirements

F01	Toy is relatively easy to adapt so that others can do it themselves with our assembly manual.
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Research

Commercial Options:

Switch Adapted Bubble Machine \$109.69

Paw Patrol Bubble Blower Adaptive Toy \$84.67

DIY Options:

SWITCHED Adapted Toys - Blitz Bubble Blowout (Bubble Machine) - Manual - YouTube

Switch Adapted Bubble Machine With a Battery Interrupter - YouTube

Switch Adapted Toys - Bubble machine - YouTube

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Detailed Design

The bubble fan was adapted using a 3.5 mm mono jack that was glued in place of the current activation button.

Opportunities for Improvement

If possibly get a spot to add the mono jack and keep the current activation method intact.