

# Spinning Light Wand Toy Adaptation

## SUMMARY

### Title

Spinning Light Wand Toy Adaptation

### Subtitle

A switch adapted toy with spinning lights.

### Overview

The Spinning Light Wand Adaptation comprises instructions and files to adapt a commercially available Spinning Light Wand toy for use with an assistive switch. The toy is modified so that it has a 3.5 mm jack in place of the button.

### Usage

Connect an assistive switch with a 3.5 mm mono plug to the 3.55 mm mono jack on the base of the adapted toy. When the assistive switch is activated, the

### Cost

The cost of materials for this project is approximately \$10 CAD. This does not include the cost of component shipping.

### Build Instructions

The necessary files and information required to switch adapt the toy switch are available in the linked GitHub repository or via the downloadable Zip file. The build consists of a commercially available toy, some 3D printed components, and some electronic components. Refer to the Spinning Light Wand Adaptation Assembly Guide.

### *Skills Required*

- **3D Printing**
- **Soldering**
- **Mechanics**

### *Time Required*

- 3D Printing: ~6 hr
- Assembly: ~1 hr

### *Tools/Materials*

- #0 Phillips Screwdriver
- Flat head screwdriver
- Soldering Iron & Solder
- Hot Glue Gun & Hot Glue sticks
- Super Glue



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### *Components*

Refer to the Bill of Materials.

- 1X Spinning Light Wand Toy
- 1X 3.5 m Mono Jack, Panel mount
- 2X ½" Hex Nuts (Or similar, for weighing down base)

### *3D Printing*

Refer to the Spinning Light Wand Adaptation 3D Printing Guide.

- 1X Wand Holder Base
- 1X Base Bottom Cover

### *Attribution*

This adaptation was designed by Mimi Xia of the [Makers Making Change Vancouver Chapter](<https://vanhack.ca/wp/makers-making-change-vancouver-chapter/>).

Neil Squire / Makers Making Change assisted with the creation of the documentation.