

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 3.5 mm mono jack on the base of the adapted toy. When the assistive switch is activated, the lights will turn on and spin within the plastic globe. The spinning wand stands in a 3D printed base. There are two versions of this base available for request: v1.0, and v1.1. Please specify to the maker which version you would like.

Cost

The cost of materials for this project is approximately \$10-\$15 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

Version 1.1:

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

Version 1.0:

- 3D Printing: ~6 hr



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Files available at <https://makersmakingchange.com/project/spinning-light-wand-toy-adaptation/>

Spinning Light Wand Toy Adaptation

SUMMARY

- Assembly: ~1 hr

Tools/Materials

Version 1.1:

- #0 Phillips Screwdriver
- #0 Robertson Screwdriver (depending on which screws you got)
- Soldering Iron & Solder
- Hot Glue Gun & Hot Glue sticks

Version 1.0:

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

Components

Refer to the Bill of Materials.

Version 1.1:

- 1x Spinning Light Wand Toy
- 1x 3.5 m Mono Jack
- 2x 30cm pieces of wire
- 2x #4 1/2" screws
- 4x Nonslip Circles

Version 1.0:

- 1x Spinning Light Wand Toy
- 1x 3.5 m Mono Jack
- 2x 20cm pieces of wire

3D Printing

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

Version 1.1:

- 1x Wand Base
- 1x Jack Cover

Version 1.0:

Spinning Light Wand Toy Adaptation

SUMMARY

- 1x Wand Base
- 1x Bottom Cover

Attribution

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