

# Playback Switch

## SUMMARY

### Product Information

#### Product Name

Playback Switch

#### Device Category

- |  |  |
|--|--|
| <input type="checkbox"/> Adapted Toys                  | <input type="checkbox"/> Kits                    |
| <input type="checkbox"/> Aids for Daily Living (ADL)   | <input type="checkbox"/> LipSyncs                |
| <input checked="" type="checkbox"/> Assistive Switches | <input type="checkbox"/> Mounting                |
| <input type="checkbox"/> Communication Aids (AAC)      | <input type="checkbox"/> Recreation and Leisure  |
| <input type="checkbox"/> Computer Access               | <input type="checkbox"/> Seating and Positioning |
| <input type="checkbox"/> Environmental Controls        | <input type="checkbox"/> Switch Interfaces       |
| <input type="checkbox"/> Gaming                        | <input type="checkbox"/> Writing Aids            |
| <input type="checkbox"/> Keyguard                      |  |

#### User Value Statement

The Playback Switch is an assistive switch that provides audio feedback to the user when activated in addition to functioning as a regular assistive switch.

#### Designer

Makers Making Change

### Device Info

#### Overview

The Playback Switch is an assistive switch that also plays a prerecorded message up to 30 seconds long when the button is pressed. It has a diameter of 90mm and an activation force of roughly 250 grams. The switch is made entirely with commercial, off the shelf parts, with no 3D printing involved. This device is intended for users of assistive switches who would benefit from or prefer additional audio feedback when using a switch.

#### Disability Type

Select one or more disability types:

- |   |                                    |
|---|------------------------------------|
| <input checked="" type="checkbox"/> Agility / Dexterity | <input type="checkbox"/> Arthritis |
|---|------------------------------------|



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- |                                    |                                 |
|------------------------------------|---------------------------------|
| <input type="checkbox"/> Cognitive | <input type="checkbox"/> Other  |
| <input type="checkbox"/> Hearing   | <input type="checkbox"/> Pain   |
| <input type="checkbox"/> Mobility  | <input type="checkbox"/> SCI    |
| <input type="checkbox"/> Mobility  | <input type="checkbox"/> Vision |

### Disability Type Description

The Playback Switch is designed for users of assistive switches who would benefit from or want additional audio feedback on button presses.

### How To Use

A secondary user records a message up to 30 seconds long onto the device by holding the black button on the bottom. The Playback Switch can then be connected to a device just like any other assistive switch. The primary user can then press the button, and it will activate the connected device as well as play back the recorded message.

### Estimated Cost

The estimated material cost of the device:

- ☒ \$0 - \$10
- ☐ \$11 - \$25
- ☐ \$26 - \$50
- ☐ \$51 - \$100
- ☐ \$101 - \$250
- ☐ \$250+

### Attribution

Design by Neil Squire Society/Makers Making Change

## Maker Info

### Project Skills

- |                                      |  |
|--------------------------------------|--|
| <input type="checkbox"/> 3D Printing | <input type="checkbox"/> Laser Cutting |
| <input type="checkbox"/> Custom PCB  | <input type="checkbox"/> Mechanics     |
| <input type="checkbox"/> Electronics | <input type="checkbox"/> Other         |



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- |   |                                      |
|---|--------------------------------------|
| <input type="checkbox"/> Software             | <input type="checkbox"/> Woodworking |
| <input checked="" type="checkbox"/> Soldering |                                      |

### Skills Description

This project requires the use of a soldering iron, hot glue gun, and a drill.

### Tools Needed

- |   |  |
|---|--|
| <input type="checkbox"/> 3D Printer                   | <input type="checkbox"/> Laser Cutter              |
| <input checked="" type="checkbox"/> Common Hand Tools | <input checked="" type="checkbox"/> Soldering Iron |
| <input type="checkbox"/> Common Power Tools           | <input type="checkbox"/> Specialized Tooling       |

### Assembly time (hrs)

Estimated Assembly Time: 0.25 hrs

### Build Instructions

This project involves opening the commercial button, glueing in an additional button, and soldering in a cable.

### Download Link

<https://github.com/makersmakingchange/Playback-Switch/archive/refs/heads/main.zip>

### Project Link

<https://github.com/makersmakingchange/Playback-Switch>

## License

### License

- Everything needed or used to design, make, test, or prepare the Playback Switch is licensed under the [CERN 2.0 Weakly Reciprocal license \(CERN-OHL-W v2\) or later](#).

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