

# Button Toppers for Joy-Con

## DESIGN RATIONALE

### Introduction

The Button Toppers for Joy-Con are a set of button toppers that make the buttons on the Joy-Con larger and further apart. This makes the buttons easier to use for people with limited dexterity that may have challenges pressing the small, close together buttons.

### Research

No existing commercial or DIY alternatives could be found.

### Requirements

#### Goals

G01	Make Joy-Con buttons larger
G02	Make Joy-Con buttons further apart

#### Functional Requirements

F01	Device must attach to the buttons on a Joy-Con controller
F02	Device must make the buttons larger
F03	Device must make the buttons further apart

#### Constraints

C01	Must be entirely 3D printed
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### V1.0

#### Regular Button

Attachment hole diameter: 7.5mm

Extended button diameter: 12mm

Button height: 7.5mm

Button offset: 6mm

Weight: 0.6g

#### Small Y Button

Attachment hole diameter: 7.5mm



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Files available at <https://makersmakingchange.com/projects/button-toppers-joy-con>

# Button Toppers for Joy-Con

## DESIGN RATIONALE

Extended button diameter: 12mm

Button height: 7.5mm

Button offset: 2mm

Button weight: 0.5g

### Testing

All the buttons were printed out and temporarily attached to a Joy-Con to ensure they triggered the buttons.

### Opportunities for Improvement

The buttons could be redesigned so that they can be removed from the Joy-Cons without damaging the buttons.