

Grip for Joy-Cons - Double DESIGN RATIONALE

Introduction

The Grip for Joy-Cons - Double allows for both Joy-Cons to be connected when detached from the switch, much like the official Joy-Con grip. However, this grip has a more angled connection, allowing the Joy-Cons to be held at a more natural angle.

Research

Name	Price	Picture	Link
Nintendo Switch Controller Joycon Comfort Grip by TalkWorks Switch Game Accessories Handheld Joystick Remote Control Holder Joy Con Kit, Black	\$18.47		Link
Nintendo Switch Joy-con Grip	DIY		Link

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Nintendo Switch Joy-con Grip	DIY		Link
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Requirements

Goals

G01	Allow both Joy-Cons to be more comfortable held and used
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Functional Requirements

F01	Device must connect to a single Joy-Con
F02	Device must make the Joy-Con more comfortable to hold
F03	Device must not impede any of the buttons on the Joy-Con

Constraints

C01	Device must be entirely 3D printed
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Ideation

When looking at the 3D printed DIY options, the printables option appeared to be a remix of the thingiverse option, posted years later. We decided to go with the thingiverse version to give credit to the original designer.

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Testing

The grip was printed with and without support to determine which printed best.

Opportunities for Improvement

The footprint where the grip touches the bed could be increased to improve bed adhesion.