

# One Handed Modification for The Xbox Series X|S Controller

## SUMMARY

### Title

One Handed Modification for the Xbox Series X|S Controller

### Subtitle

The one handed modification for the Xbox Series X|S Controller are modifications to allow users to operate an Xbox Series X|S controller with one hand. There are modifications for the right and left hands.

### Device Specifications

Build Time:

- ☐ < 1hr
- ☒ 1-4 hr
- ☐ 5-10hr
- ☐ >10hr

Cost:

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

Stage: Recently Added

Skills: 3D printing

Need: Agility/Dexterity

Disability: Mobility/Physical

Difficulty: Beginner

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Files available at <https://makersmakingchange.com/project/one-handed-mod-xbox-series-xs-controller>

# One Handed Modification for The Xbox Series X|S Controller

## SUMMARY

Usages: Recreation and Leisure

Type: Gaming

Designer: [Akaki](#)

Left handed design remixed by: [Ryan Hietanen](#)

## Device Details

### Overview

This inexpensive 3D printed modification for the Xbox Series X|S controller will allow for the user to operate their Xbox Series X|S controller with one hand. This controller adaptation makes it easier for someone who may have a difficult time holding a controller with both hands, or has greater dexterity with one hand than the other.

### Usage

This controller adaptation allows for the user to operate their Xbox Series X|S controller with only one hand. For a left handed controller, the right joystick is used by moving the whole controller. By moving the controller, the 3D printed parts enable the joystick to move simultaneously. In addition, the right shoulder buttons are migrated to the left side so all four shoulder buttons can be used with the index finger. Similarly, four 3D printed arms are used to allow the user to press the A, B, X, Y, and home buttons from the left side.

There are two different attachments for the bottom of the controller shown below that can be used depending on whether the user chooses to strap the controller to their leg (right), or can rest it on their lap or a surface of their choice using the "shoe" (left).



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### Cost

The right handed modification costs \$2.65 to produce and the left handed modification costs \$3.00.

### Build Instructions

A set of instructions for creating this modification for the Xbox Series X|S controller can be found on the Prusa Printers website. There is a video tutorial showing the assembly of both the right and left handed versions linked [here](#).

The Xbox Series X|S controller is asymmetrical, so this modification has different files for the left and right handed modifications.

### Skills Required

3D printing.

### Time Required

3D printing time:

Right handed modification: 8.75-9.95 hours

Left handed modification: 10.9-12.2 hours

Assembly: 0.5-1.5 hours

### Tools

- Flush cutters or scissors
- Sandpaper (optional)
- Superglue (optional)
- Drill and 5/64" drill bit (optional)

### Components

- Rubber bands (optional)
- 1.75 mm 3D printer filament for pin joints

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### 3D Printing

<i>Right Handed Modification</i>	<i>Left Handed Modification</i>
Thumb-stick mover armature	Thumb-stick mover armature
Trigger pusher	Trigger pusher
Leg strap attachment	Leg strap attachment
Linkage pieces	Linkage pieces
Leg strap/shoe holder	Leg strap/shoe holder
D-pad pusher	B, A, X, Y face button pushers
Mount	Mount
Shoe (optional)	Shoe (optional)
Button decorations (optional)	Button decorations (optional)

### Design

#### Attribution

Original design: [Akaki](#)

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