

# Switch-Operated Rotating Phone Stand

## USER GUIDE

### Overview

This document contains the necessary information to use the Switch-Operated Rotating Phone Stand, a rotating stand controlled by switches



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### Introduction

The Switch-Operated Rotating Phone Stand is a rotating phone stand controlled by two switches. It is designed to allow easy insertion, removal, and adjustment of the phone. This device is inspired by users on Makers Making Change and aims to assist individuals with limited mobility or one-handed use to easily use their phone.

### Features

The Switch-Operated Rotating Phone Stand has:

- **A stable base:** It stands firmly to hold the phone.
- **An adjustable phone holder:** It can hold phones of different sizes.
- **Two switches for control:** You use these to turn the phone.
- **A raised phone position:** It holds the phone up so you can see it better.

Item	Switch-Operated Rotating Phone Stand
Size (Length x Width x Height) [mm]	183.975 x 178 x 68.602
Rotation Mechanism	Servo Motor
Control Method	Two Switches, Arduino Chip

### Compatibility

The Switch-Operated Rotating Phone Stand is designed for compatibility with various smartphones. Its adjustable phone holder accommodates different phone widths and heights. The device interacts with the user through two wired switches that control phone rotation, and the phone holder itself, which securely holds the phone.

### Usage

Placing Your Phone: **Gently widen the phone holder and place your phone inside. Make sure it's held securely.**

- Use the two round switches to turn the phone. Press one switch to rotate it one way, and the other switch to rotate it the opposite way.
- Adjust the phone's position until you can see the screen comfortably.
- Carefully widen the holder and take your phone out.

### Takedown:



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- Remove the phone from the holder.
- Detach the rotating component from the base.

### Storage & Care:

- Store the base, electrical components, and rotating component in a cool, dry place.
- Keep these parts in a location where they are protected from moisture.
- Store the components in a lower location or secure area to prevent them from falling and getting damaged.

The Rotating Phone Stand is made of 3D printed plastic. Exposure to high heat may cause warping and/or negatively affect function. Extended exposure to sunlight will also weaken the plastic on the device.

The Rotating Phone Stand contains electronics and is not waterproof. If the device becomes wet, make sure it is off and do not use it until it has completely dried. It may help to open any electronic enclosures to speed up drying and ensure it has completely dried.

### Cleaning

The Rotating Phone Stand can be wiped with a damp cloth. The Rotating Phone Stand can also be cleaned by scrubbing with warm water and dish soap. Do not use hot water or clean in a dishwasher.

If using warm water and dishsoap, ensure any electronic components have been removed before washing.

### Disposal

PLA filament may be industrially compostable in your area. Check with your waste management company if PLA can be composted or must be thrown in the garbage.

Disassemble the Rotating Phone Stand and separate out the recyclable and compostable components, and those that must be thrown out. Electronics and batteries should be disposed of following your local waste management guidelines.