

## Cubilux Bidirectional 3.5mm Audio Switcher

# Cubilux Bidirectional 3.5mm Audio Switcher User Manual

Model: Bidirectional 3.5mm Audio Switcher

## 1. INTRODUCTION

The Cubilux Bidirectional 3.5mm Audio Switcher is a versatile device designed to manage audio connections between multiple sources and outputs. It allows you to switch audio from one input to up to four outputs, or from up to four inputs to a single output. This device operates without the need for drivers or an external power supply, offering a simple plug-and-play solution for your audio setup.

Key features include:

- **Bidirectional 4-Port Stereo Audio Switch:** Supports both 1-in to 4-out and 4-in to 1-out configurations.
- **Knob Control:** Easy channel selection with a single twist.
- **Lossless Sound Quality:** Full aluminum alloy housing provides isolation from electronic interference, ensuring clear audio transmission without static or ground noise.
- **Wide Compatibility:** Works with headphones, earphones, speakers, soundbars, mixers, amplifiers, laptops, TVs, MP3 players, smartphones, and tablets.
- **Desktop Friendly Design:** Features an anti-skid silicone pad on the bottom for stable placement on any surface.

# Simple Knob Control

Switch sound with a single twist.



Image 1: Bidirectional functionality diagram. This image shows two scenarios: one input device connected to the 'OUT' port and four output devices connected to 'IN1' through 'IN4', and vice versa, with four input devices connected to 'IN1' through 'IN4' and one output device connected to the 'OUT' port.

## 2. PRODUCT COMPONENTS

The Cubilux Bidirectional 3.5mm Audio Switcher is a compact device with a robust design. Familiarize yourself with its parts:

- **Main Unit:** The central switching device.
- **3.5mm (1/8") Audio Ports:** Labeled IN1, IN2, IN3, IN4, and OUT. These are standard stereo auxiliary ports.
- **Rotary Knob:** Located on the top surface, used for selecting the active audio channel.
- **Aluminum Alloy Casing:** Provides durability and electromagnetic interference shielding.
- **Anti-skid Silicone Pad:** On the bottom surface for stability.

# Bidirectional 3.5mm (1/8") Audio Selector

1 input to one of 4 outputs



one of 4 inputs to 1 output

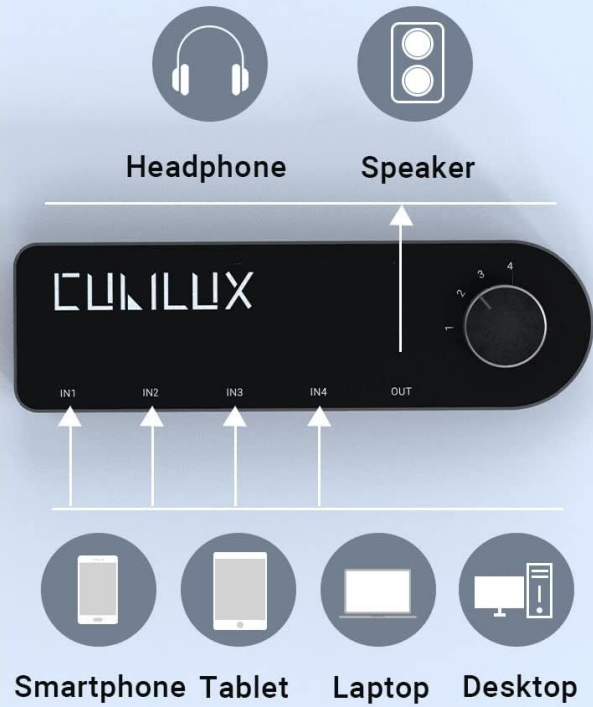


Image 2: Top-down view of the audio switcher. This image displays the device from above, clearly showing the 'IN1' through 'IN4' ports, the 'OUT' port, and the rotary selection knob with numerical markings 1-4.



Image 3: Bottom view of the audio switcher. This image highlights the anti-skid silicone pad on the underside of the device, designed to prevent it from sliding on surfaces.

## 3. SETUP INSTRUCTIONS

The Cubilux Audio Switcher offers two primary modes of operation:

### 3.1. Mode 1: One Input to Four Outputs

In this configuration, a single audio source is distributed to one of four selectable output devices.

1. Connect your audio source (e.g., smartphone, laptop, MP3 player) to the port labeled **OUT** using a 3.5mm audio cable.
2. Connect your four output devices (e.g., headphones, speakers, soundbars) to the ports labeled **IN1**, **IN2**, **IN3**, and **IN4** using 3.5mm audio cables.
3. Ensure all connections are secure.

### 3.2. Mode 2: Four Inputs to One Output

In this configuration, you can select one of four audio sources to play through a single output device.

1. Connect your four audio sources (e.g., laptop, desktop, smartphone, tablet) to the ports labeled **IN1**, **IN2**, **IN3**, and **IN4** using 3.5mm audio cables.
2. Connect your single output device (e.g., headphones, speaker) to the port labeled **OUT** using a 3.5mm audio cable.
3. Ensure all connections are secure.



Image 4: Example setup. This image shows the audio switcher connected to a laptop, with headphones and a speaker also connected, demonstrating a typical use case.

## 4. OPERATING INSTRUCTIONS

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Once your devices are connected, operating the Cubilux Audio Switcher is straightforward:

1. **Select Channel:** Rotate the knob on the top of the device to select the desired audio channel. The knob has distinct clicks for each position (1, 2, 3, 4).
2. **Audio Playback:** The audio will be routed according to the selected channel. For example, if in 4-in to 1-out mode, selecting '1' will play audio from the device connected to IN1 through the OUT port. If in 1-in to 4-out mode, selecting '1' will send audio from the OUT port to the device connected to IN1.
3. **No Power Required:** The device is passive and does not require external power.



Image 5: Simple knob control. This close-up image focuses on the rotary knob, showing its textured surface and the numerical indicators for channel selection.

## 5. MAINTENANCE

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To ensure the longevity and optimal performance of your Cubilux Audio Switcher, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the device. Avoid using liquid cleaners, solvents, or

abrasive materials, as these can damage the finish or internal components.

- **Storage:** Store the device in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts, which could damage the internal circuitry or connectors.
- **Cable Management:** Ensure connected cables are not excessively bent or strained, as this can lead to damage over time.

## 6. TROUBLESHOOTING

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If you encounter issues with your Cubilux Audio Switcher, refer to the following common problems and solutions:

### 6.1. No Sound

- **Check Connections:** Ensure all 3.5mm audio cables are fully inserted into their respective ports on both the switcher and your audio devices. A loose connection can result in no sound or sound from only one channel.
- **Verify Channel Selection:** Confirm that the rotary knob is set to the correct channel corresponding to your active input/output device.
- **Test Devices Directly:** Bypass the switcher and connect your audio source directly to your output device to confirm that both are functioning correctly.
- **Cable Integrity:** Try using different 3.5mm audio cables to rule out a faulty cable.

### 6.2. Distorted or Noisy Sound

- **Secure Connections:** Loose connections can introduce static or hum. Ensure all cables are firmly seated.
- **Interference:** While the aluminum casing provides isolation, strong electromagnetic interference from nearby electronics can sometimes affect audio quality. Try relocating the switcher away from other electronic devices.
- **Ground Loop:** If you experience a persistent hum or buzz, it might be a ground loop issue. Consider using a ground loop isolator between the switcher and the affected device.
- **Source Quality:** Ensure the audio source itself is not producing distorted sound.

### 6.3. Intermittent Audio

- **Check Cables:** Faulty or damaged cables are a common cause of intermittent audio. Replace cables if necessary.
- **Port Issues:** Ensure the 3.5mm jacks are clean and free of debris.

## 7. SPECIFICATIONS

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Feature	Detail
Model	Bidirectional 3.5mm Audio Switcher
Connector Type	3.5mm Jack
Number of Ports	4 (IN1, IN2, IN3, IN4) + 1 (OUT)
Bidirectional Functionality	1-in to 4-out / 4-in to 1-out
Housing Material	Aluminum Alloy
Color	Black
Item Weight	70 Grams
Item Dimensions (D x W x H)	1.1"D x 3.6"W x 1.3"H
Compatibility	Headphones, Speakers, Laptops, Smartphones, Tablets, etc. (Stereo audio only, no microphone support)

## 8. WARRANTY INFORMATION

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The Cubilux Bidirectional 3.5mm Audio Switcher comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product functions as described under normal use. Please retain your proof of purchase for warranty claims.

The warranty does not cover damage caused by misuse, accident, unauthorized modification, or improper installation.

## 9. CUSTOMER SUPPORT

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For further assistance, technical support, or warranty inquiries, please contact Cubilux customer service through the retailer where you purchased the product or visit the official Cubilux website for contact information.

Before contacting support, please review the troubleshooting section of this manual and ensure all connections are correct.