

cooidea T01

cooidea Toslink Automatic Digital Optical Switcher (3-in-1 Out)

Model: T01

Brand: cooidea

1. INTRODUCTION

The cooidea Toslink Automatic Digital Optical Switcher (Model T01) is designed to expand the optical audio input capabilities of your audio system. This device allows you to connect up to three digital optical audio sources to a single optical input on your amplifier, soundbar, or other audio receiving device. It features both automatic and manual switching modes, ensuring seamless audio integration.

2. PRODUCT FEATURES

- **3-in-1 Out Automatic Switching:** Automatically detects active audio signals from up to three sources and switches to the active channel.
- **Wireless Remote Control:** Provides convenient manual switching between input sources from a distance.
- **High-Quality Audio Support:** Supports sampling rates up to 192kHz/24Bit and is compatible with LPCM2.0, DTS, and Dolby-AC3 5.1 Channel audio formats.
- **Compact and Durable Design:** Features an open design with a delicate appearance, measuring 6.3cm x 4.2cm x 1.8cm, making it space-efficient.
- **Wide Compatibility:** Connects to any digital audio device with a TOSLINK/OPTICAL port, including Sound Bars, STBs, Xbox, PlayStation, Blu-ray players, HDTVs, Amplifiers, and Speakers.

3. PACKAGE CONTENTS



Image: Package contents of the cooidea Toslink Automatic Digital Optical Switcher.

- 1 x cooidea Toslink Automatic Switcher (Model T01)
- 1 x Wireless Remote Control
- 1 x USB Power Cable
- 1 x 1-meter Toslink Optical Cable
- 1 x Operation Manual

4. PRODUCT OVERVIEW



Image: Switcher unit and remote control.



Image: Dimensions and automatic switching feature.



Image: Wireless Remote Control for input selection.



Image: Supported SPDIF Digital Audio Formats.

5. SETUP INSTRUCTIONS

Follow these steps to set up your cooidea Toslink Automatic Digital Optical Switcher:

1. **Connect Input Devices:** Use Toslink optical cables to connect your audio source devices (e.g., HDTV, Xbox, PlayStation, Blu-ray player) to the IN1, IN2, and IN3 ports on the switcher.
2. **Connect Output Device:** Connect your audio receiving device (e.g., soundbar, amplifier, speakers) to the OUT port on the switcher using a Toslink optical cable.
3. **Connect Power:** Plug the provided USB power cable into the DC5V port on the switcher and connect the other end to a USB power source (e.g., TV USB port, USB wall adapter). The power indicator LED will illuminate.
4. **Power On Devices:** Ensure all connected audio source and receiving devices are powered on.



Image: Typical connection diagram for the switcher.

Setup Demonstration Video

Video: Demonstration of connecting and setting up a Digital Audio Switcher. This video illustrates the general connection process for optical audio switchers.

6. OPERATING INSTRUCTIONS

Automatic Switching Mode

The switcher is designed to automatically detect active audio signals. When an audio device connected to one of the input channels becomes active (e.g., starts playing audio), the switcher will automatically switch to that channel. If the current active channel becomes inactive (e.g., muted or powered off), the switcher will scan for other active channels and switch accordingly.

3x1 Toslink Automatic Switcher

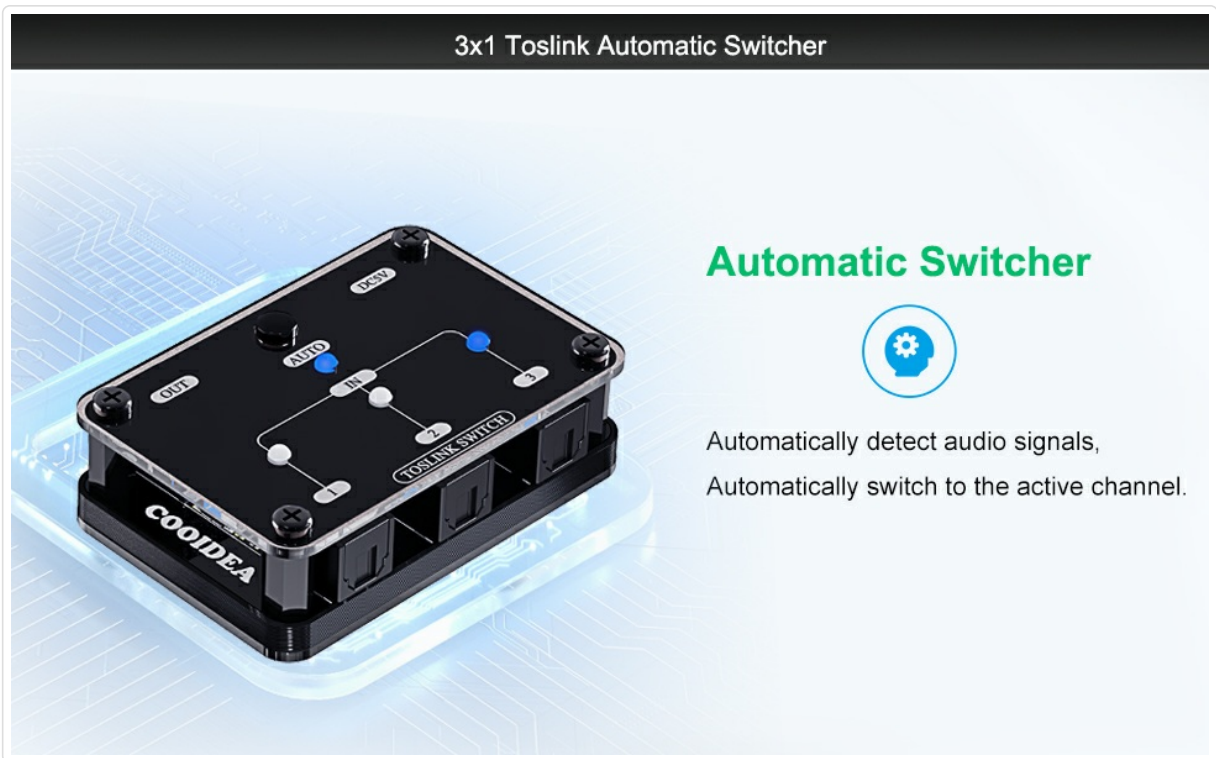


Image: Automatic switching functionality.

Manual Switching Mode

You can manually select an input channel using either the button on the switcher unit or the provided wireless remote control.

- **Using the Switcher Button:** Press the 'AUTO' button on the switcher unit to cycle through the input channels (IN1, IN2, IN3) or to activate/deactivate automatic mode.
- **Using the Remote Control:** Use the 'AUTO' button for automatic mode, or directly select input channels using buttons '1', '2', or '3' on the remote. The remote control allows operation from up to 30 meters in a straight line, even if the switcher is out of sight.

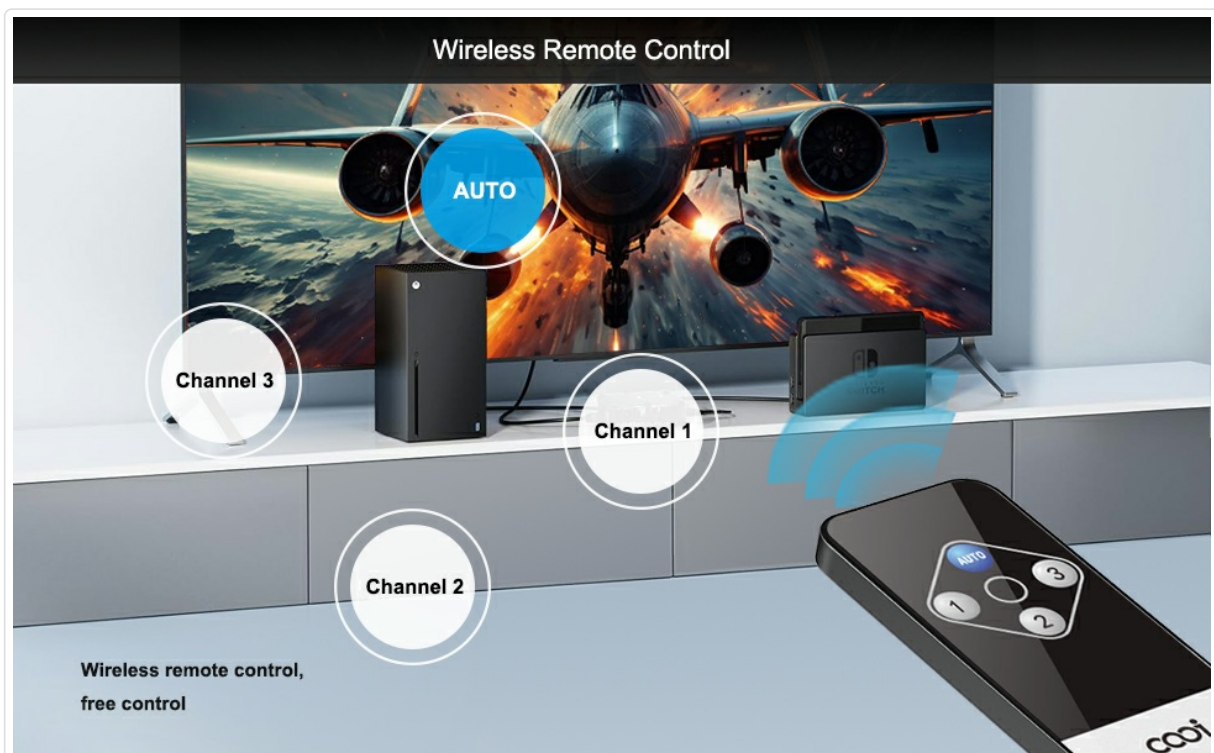


Image: Remote control usage for manual switching.

Audio Format Compatibility

The switcher supports various digital audio formats, including LPCM2.0, DTS, and Dolby-AC3 5.1 Channels. Ensure your source device is configured to output one of these supported formats for optimal performance.



Image: Supported audio formats.

Operating Demonstration Video

Video: Demonstration of a 3x1 Toslink Optical Switch, showing manual and remote control switching between devices.

7. MAINTENANCE

To ensure the longevity and optimal performance of your cooidea Toslink Automatic Digital Optical Switcher, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid using liquid cleaners or abrasive materials, as they may damage the finish or internal components.
- **Port Care:** Keep the optical ports clean and free of dust. When not in use, ensure the protective caps are placed over the optical cable ends and ports to prevent dust accumulation.
- **Storage:** Store the switcher in a cool, dry place away from direct sunlight, high temperatures, and humidity.
- **Handling:** Handle the device and optical cables with care. Avoid bending or twisting optical cables sharply, as this can damage the fiber optic core.

8. TROUBLESHOOTING

If you encounter issues with your cooidea Toslink Automatic Digital Optical Switcher, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
No audio output	<ul style="list-style-type: none"> • Incorrect cable connection • No power to switcher • Incorrect input selected • Unsupported audio format • Damaged optical cable 	<ul style="list-style-type: none"> • Verify all optical cables are securely connected to the correct input/output ports. • Ensure the USB power cable is connected and the power LED is on. • Manually select the correct input channel using the remote or button. • Check your source device's audio settings to ensure it outputs LPCM2.0, DTS, or Dolby-AC3. • Try a different optical cable.
Automatic switching not working	<ul style="list-style-type: none"> • Automatic mode not activated • Weak or intermittent signal from source 	<ul style="list-style-type: none"> • Ensure the switcher is in 'AUTO' mode (indicated by the corresponding LED). • Verify the audio signal from the source device is consistent and strong.
Remote control not responding	<ul style="list-style-type: none"> • Battery depleted • Obstruction between remote and switcher • IR receiver blocked 	<ul style="list-style-type: none"> • Replace the CR2 battery in the remote control. • Ensure there is a clear line of sight between the remote and the switcher's IR receiver. • Check if the IR receiver on the switcher is obstructed.

9. SPECIFICATIONS

- **Product Dimensions:** 2.48 x 1.65 x 0.71 inches (6.3 x 4.2 x 1.8 cm)
- **Item Weight:** 3.87 ounces (110g)
- **Audio Format Support:** LPCM2.0 / DTS / Dolby-AC3
- **Sampling Frequency:** Up to 192 KHz
- **Output Cable Distance:** ≤40m (using optical fiber cable with loss less than 0.2Db/m)
- **Power Supply:** USB 5V
- **Inputs:** 3 x Toslink Optical
- **Outputs:** 1 x Toslink Optical
- **Control:** Manual button, Wireless Remote Control



Image: Product dimensions.

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official cooidea website or contact their customer service directly. The operation manual included in the package also contains detailed contact information and warranty terms.