

LiNKFOR ULKVC233c

LiNKFOR Digital Optical Audio 3x1 Switch Instruction Manual

Model: ULKVC233c | Brand: LiNKFOR

1. INTRODUCTION AND OVERVIEW

The LiNKFOR Digital Optical Audio 3x1 Switch is designed to expand the optical audio input capabilities of your audio system. It allows you to connect up to three optical fiber signal sources (SPDIF/TosLink) to a single SPDIF/TosLink receiving device, such as a soundbar, amplifier, or headphones. This device is ideal for managing multiple digital audio sources without constantly plugging and unplugging cables.

It supports various audio formats including LPCM2.0, DTS, and Dolby-AC3 at 96Khz. Please note that it does not support 7.1CH Dolby Digital Plus or Dolby TrueHD, as these formats cannot be transmitted via fiber optic cable and require an HDMI cable for transmission.

The switch supports long-distance signal transmission up to 40 meters (130 feet) when using optical fiber cables with loss less than 0.2Db/m. Its high-grade aluminum alloy design ensures overall shielding without signal interference, contributing to high-quality audio signal transmission. Additionally, it features over-voltage protection to prevent damage from incompatible power adapters.

2. PACKAGE CONTENTS

Please check the package contents to ensure all items are present:

- 1 x LiNKFOR Digital Optical Audio 3x1 Switch (Model ULKVC233c)
- 1 x Remote Control Unit
- 1 x 1m Optical Cable
- 1 x USB Power Cable
- 2 x AAA Batteries (for remote control)
- 1 x User Manual



- ① 3 Port Toslink Switch
- ② Remote Control Unit
- ③ 1m Optical Cable
- ④ USB Power Cable
- ⑤ Battery
- ⑥ User Manual

Image: The package contents include the 3x1 switch, remote control, optical cable, USB power cable, batteries, and user manual.

3. PRODUCT FEATURES AND DIAGRAMS

The LINKFOR Digital Optical Audio 3x1 Switch features a compact design with clearly labeled ports and indicators for ease of use.



Image: Front and back view of the LiNKFOR Digital Optical Audio 3x1 Switch. The front panel shows the IR receiver, Power LED, Input Indicators (IN 1, IN 2, IN 3), and Select Switch. The rear panel shows the Optical Input ports (IN 1, IN 2, IN 3), Optical Output port (OUT), and USB 5V power input.

3.1. Device Layout

- **Input Ports (IN 1, IN 2, IN 3):** Connect your optical audio source devices here.
- **Output Port (OUT):** Connect your optical audio receiving device here.
- **USB 5V Power Input:** Connect the provided USB power cable to power the device.
- **IR Receiver:** For receiving signals from the remote control.
- **Select Switch:** Button to manually cycle through input sources.
- **Input Indicators (IN 1, IN 2, IN 3):** LEDs illuminate to show the currently selected input.
- **Power Indicator:** LED illuminates when the device is powered on.

3.2. Dimensions

Dimension: 95 x 47 x 15.5mm



Image: The compact size of the switch, measuring 95 x 47 x 15.5mm, is shown in a hand for scale.

3.3. Remote Control Functions



Power switch button

You can turn off the power through the switch after use.

Toslink input switch button

If you want to choose input source 2, direct press numeric key 2.

Image: The remote control features a Power switch button (ON/OFF) and Toslink input switch buttons (1, 2, 3) for selecting the desired input source.

4. SETUP AND INSTALLATION

Follow these steps to set up your LiNKFOR Digital Optical Audio 3x1 Switch:

1. **Connect Input Sources:** Use optical fiber cables to connect your source devices (e.g., PS3, Blue-Ray player, DVD, HDTV) to the IN 1, IN 2, and IN 3 ports on the switch.
2. **Connect Output Device:** Connect your optical audio receiving device (e.g., soundbar, amplifier, headphones) to the OUT port on the switch using an optical fiber cable.
3. **Connect Power:** Connect the provided USB power cable to the DC 5V input port on the switch. Plug the other end of the USB cable into a 5V USB power source (e.g., a USB wall adapter, TV USB port, or computer USB port). The Power indicator LED will light up.

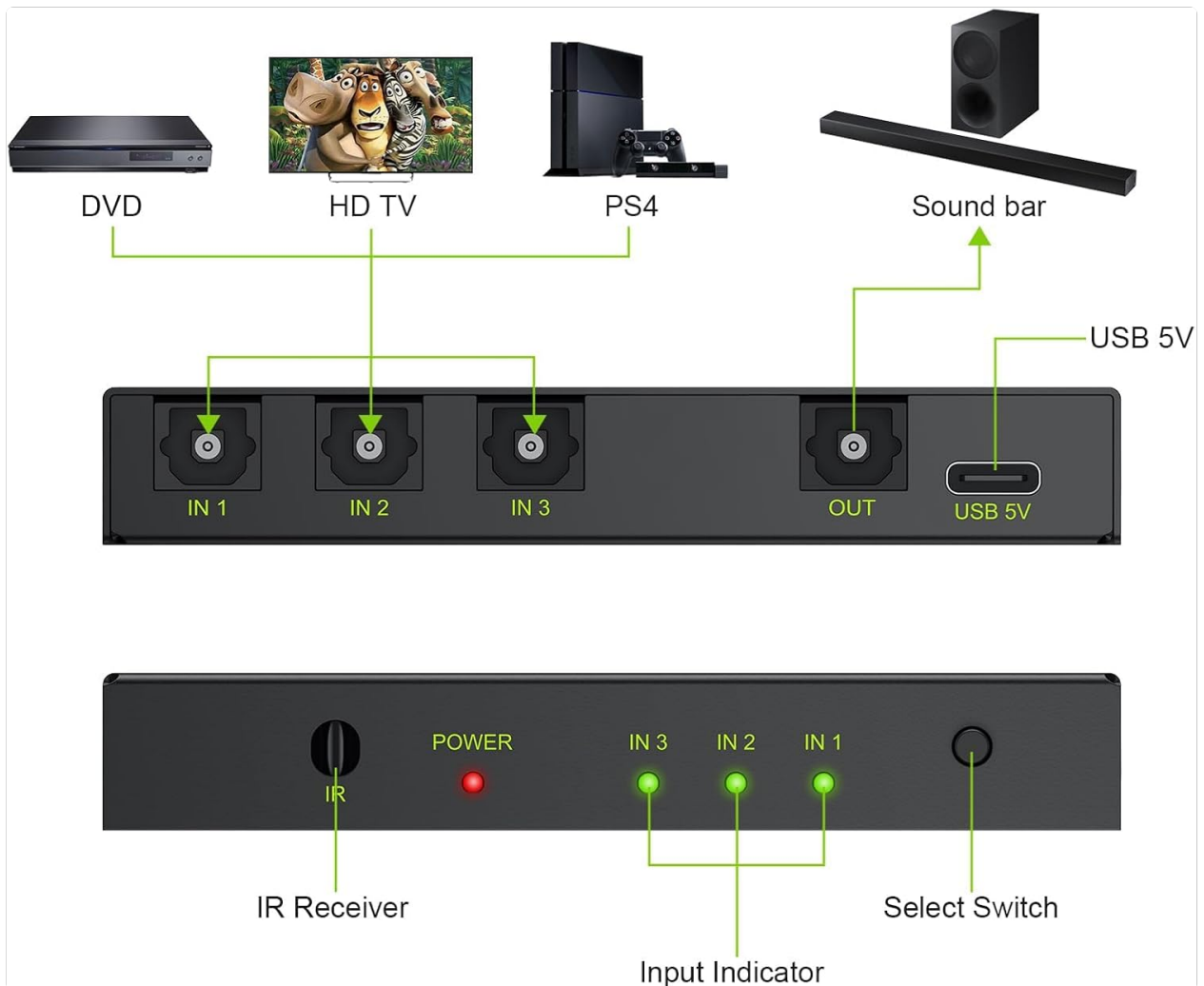


Image: A diagram illustrating the connection of a DVD player, HDTV, and PS4 to the IN 1, IN 2, and IN 3 ports respectively, with the OUT port connected to a soundbar. The USB 5V power input is also shown.

4.1. Setup Demonstration Video

Video: This video demonstrates the setup and connection process for the LiNKFOR 3x1 Optical Audio Switcher, showing how to connect various devices and power the unit.

5. OPERATING INSTRUCTIONS

Once all connections are made and the device is powered on, you can select your desired audio input source:

- **Manual Switching:** Press the 'Select Switch' button on the front panel of the device to cycle through the input sources (IN 1, IN 2, IN 3). The corresponding input indicator LED will light up to show the active source.
- **Remote Control Switching:** Use the provided remote control to directly select an input source by pressing the corresponding number button (1, 2, or 3). Ensure the remote is pointed towards the IR Receiver on the switch.

High Quality Remote Control

Remotely switch between 3 inputs with IR remote control within 5m



Image: A user operating the remote control to switch inputs for the optical audio switch, highlighting the IR receiver on the device.

6. TROUBLESHOOTING

If you encounter issues with your LINKFOR Digital Optical Audio 3x1 Switch, please refer to the following common problems and solutions:

- **No Sound Output:**

- Ensure all optical cables are securely connected to both the source devices, the switch, and the receiving device.
- Verify that the switch is powered on and the Power indicator LED is lit.
- Check that the correct input source is selected on the switch (the corresponding IN LED should be lit).
- Confirm that your audio source device is outputting audio in a supported format (LPCM2.0, DTS, or Dolby-AC3).
- Ensure your receiving device (soundbar, amplifier) is set to the correct optical input and supports the incoming audio format.

- **Distorted or Intermittent Sound:**

- Check optical cables for damage or kinks. Replace if necessary.
- Ensure the optical cable is not excessively long or of poor quality, which can lead to signal degradation.
- Verify that the audio format from the source is compatible and not an unsupported format like 7.1CH Dolby Digital Plus.

- **Remote Control Not Working:**

- Check if the batteries in the remote control are correctly inserted and have sufficient power. Replace if needed.
- Ensure there are no obstructions between the remote control and the IR Receiver on the switch. Maintain a clear line of sight.
- Confirm the remote control is within its effective operating range (typically up to 5 meters).

- **Power Issue:**

- Ensure the USB power cable is securely connected to both the switch and the power source.
- Try a different 5V USB power source or adapter.
- The device has over-voltage protection; ensure you are using a compatible 5V power supply.

7. SPECIFICATIONS

Feature	Description
Product Dimensions	3.7 x 1.85 x 0.72 inches (95 x 47 x 15.5mm)
Item Weight	8.1 ounces
Item Model Number	ULKVC233c
Color	Black
Connector Type	Optical (Toslink/SPDIF)
Cable Type	Optical
Compatible Devices	DVD Player, Personal Computer, Speaker, Television, Xbox
Supported Audio Formats	LPCM2.0/DTS/Dolby-AC3 (96Khz)
Max Output Distance	40m / 130ft (with <0.2Db/m optical cable loss)
Power Supply	DC 5V (via USB cable)
Control Method	Manual button, IR Remote Control

8. WARRANTY AND SUPPORT

This LiNKFOR product comes with a **one-year manufacturer's warranty**. Additionally, customers are entitled to **free lifetime technical support**. For any questions, troubleshooting assistance, or warranty claims, please contact LiNKFOR customer service.

