

Cubilux USB S/PDIF Transmitter

for Stereo Music and 5.1 Surround Sound

Function Overview

Cubilux SPDIF Transmitter allows you to easily play 5.1 surround audio from your computer (or stereo audio from phones or tablets).

Important Notes

- 1.This transmitter is **ONLY** compatible with smartphones, tablets and computers, and does **NOT** support TV, car USB ports or any other USB device.
- 2.This transmitter does **NOT** support 7.1 surround sound due to the bandwidth limitation of the optical protocol.
- 3.The sampling rate of the input and output devices must be consistent, otherwise, the device will **output noisy or severely distorted music**. Please follow this manual to switch the output sampling rate.


How to use

Please note that this transmitter is an audio passthrough device and can NOT convert stereo sound to 5.1 surround sound.

To play 5.1 surround sound, you need **5.1 surround sound music or movie files**, a **media player that supports 5.1 surround sound decoding** (e.g., Kodi Player), and a **5.1 surround sound speakers system**.

Play 5.1 Surround on Windows & Mac OS

- 1.Connect your computer and 5.1 speakers system with Cubilux USB S/PDIF Transmitter and ensure that your Amplifier, DAC or Soundbar is in the 5.1 surround sound mode.
- 2.Launch **"Kodi Player"** and click the **cogwheel icon** (in the top-left corner).
- 3.Click **"System"** and ensure you are in **"Standard View"** (you can click the cogwheel in the bottom-left corner to switch view).
- 4.Select **"Audio"**, click **"Audio output device"** in the **"Audio Decoder"** section and choose **"USB SPDIF Adapter"**.
- 5.Tick **"Allow passthrough"** in the **"Audio Passthrough"** section and choose **"USB SPDIF Adapter"** as **"Passthrough output device"**.

 turn to the "Kodi Player" homepage and browse your movies or music and play.

Troubleshooting

Distortion and Intermittent Sound

The difference in audio sampling rate between the output and input device will lead to distorted music or intermittent sound since this transmitter is for audio transmission ONLY and can NOT decode audio signal. Please follow the steps below to set up the audio resolution to fix the problem.

Step 1: Set up the ideal bit width of the source device.

Windows

1. Open **Control Panel > Sound > Playback**
2. Right-click **"SPDIF Interface (USB SPDIF Adapter)"** and select **"Properties"**.
3. Choose the **"Advanced"** tab.
4. Switch sampling rates in the **"Default Format"** section and click **"Apply"** until the audio is output properly.

Mac OS

1. Launch **"Audio MIDI Setup"**.
2. Select **"USB SPDIF Adapter"**.
3. Click the **"Format"** pane to switch sampling rates until the audio is output properly.

Phone/Tablet

Cubilux USB S/PDIF Transmitter is plug and play on most phones and tablets since most mobile devices limit the audio output sample rate to 48KHz/24-bit.

Step 2: Set up the sample rate (resolution and bit width) of the receiving device according to source device if possible.

In most cases, ensure that the sample rate of the receiving device matches that of the source device will solve the distortion and intermittent sound especially while using DACs, amplifiers and soundbars that support manual resolution adjustment.

For cases where the receiver does not support resolution adjustment, if you can output music without issues when you set the resolution of the output device to 48KHz/24-bit or 48KHz/16-bit (which are the sampling rates supported by most of the devices), it is likely that your receiver is unable to support the higher resolution, which will result in distortion and intermittent music, and we recommend that you consult further with the manufacturer of the device.