

Read this quick start guide carefully before using the product. Pictures shown in this document are for reference only. Different models and specifications are subject to actual product. Refer to SW-42 User Manual for more details on installing, configuring, and operating the SW-42Plus 4 x 2 HDMI 2.0 Switch.

### Important Downloads

Download the latest documents from the product page of the [zigencorp.com](http://zigencorp.com) website. The product page contains the latest documents to ensure a successful deployment of SW-42Plus. Important documents include:

- SW-42 Quick Start Guide
- SW-42 User Manual

### Overview

The SW-42Plus is an HDMI 2.0 switch with four inputs and two scalable outputs for mixed resolution environments. The unit can be configured to connect any of the four inputs to any of the two outputs. The device supports video formats up to 4K UHD (up to

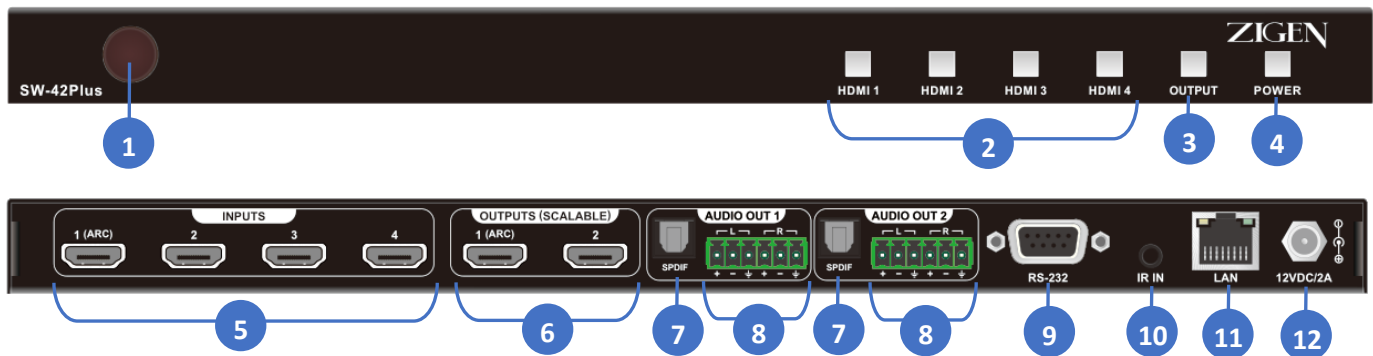
2160p60 @ 4:4:4) with support for HDCP 2.2 or 1.4 content protection.

Audio from selected HDMI inputs or Audio Return Channel (ARC) from Output #1 can be extracted and sent to the device's audio output interfaces. The ARC audio can also be embedded to HDMI output #2.

Refer to the SW-42Plus User Manual for more information.

### Packing List

- 1x SW-42Plus 4 x 2 HDMI 2.0 Switch
- 1x Universal 100-240 VAC, 12V/2A Power Supply
- 1x IR Remote Control with CR2025 battery
- 1x RS-232 Cable (male DB9 to female DB9)
- 2x Wall Mounting Ears including Hardware
- 2x Rack Mounting Ears (1/2 Rack Height)
- 4x Plastic Cushions
- 1x Quick Start Guide



### 1 IR Sensor

This sensor is used for the IR Remote Control (included). When pressing the Remote Control buttons, aim the Remote Control in this window.

### 2 HDMI 1-4 Input Buttons

HDMI 1-4 corresponds to HDMI Inputs 1-4. Press one of these buttons to connect it to the selected output. Both video and embedded audio will be routed. The selected button will illuminate blue.

# Overview

## 3 OUTPUT Select Button

Pressing the Output button will toggle between blue and red illumination. If the OUTPUT button is blue, then Output #1 will be connected to the selected HDMI input. If the OUTPUT button is red, then Output #2 will be connected to the selected HDMI input.

### Example: Connect HDMI In #3 to HDMI Out #1

- Press Output until blue illumination.
- Press HDMI 3, this button will illuminate blue.

### Example: Connect HDMI In #4 to HDMI Out #2

- Press Output until red illumination.
- Press HDMI 4, this button will illuminate red.

## 4 POWER Button

Pressing this illuminated button will toggle between Active Mode (Blue) and Stand-By Mode (Red). In low power Stand-By Mode, no video will be present at the output and the audio will be muted.

## 5 HDMI Inputs

Connect the video sources to any of the four HDMI inputs, which corresponds to the HDMI Selection buttons 1-4 located in the front. Input #1 supports ARC.

## 6 HDMI Outputs

Connect a display or AVR to the HDMI Scalable Outputs. One of the selected inputs will route video and embedded audio to the output. ARC is supported from Output #1.

## 7 SPDIF (TOSLINK) Outputs

The SPDIF (TOSLINK) optical port will output audio from the selected HDMI In or ARC from HDMI Output #1.

## 8 Analog Audio Outputs

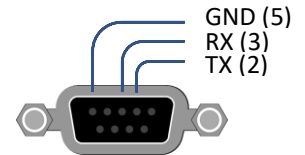
The Analog Audio Left/Right Outputs can be configured for Balanced or Unbalanced (*refer to the*

*SW-42Plus User Manual for proper wiring diagram*). The analog audio can be sourced from the selected HDMI In or ARC from HDMI Output #1. Only 2-Channel Stereo format is supported.

## 9 RS-232 Port

The RS-232 port is typically connected to a 3<sup>rd</sup> party Control System to configure the SW-42Plus. The default settings are:

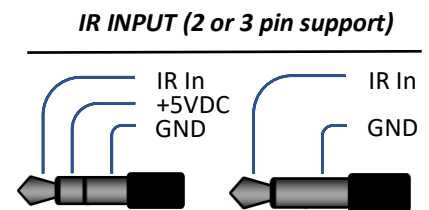
Baud Rate: 115,200  
Data Bits: 8 | Stop Bits: 1  
Parity: None | Flow Control: None



*Refer to the SW-42Plus User Manual for a complete description of the RS-232 control protocol.*

## 10 IR Input Connection

The IR Input port can be connected to an IR Receiver (3-pin Plug, 5V) or any 3<sup>rd</sup> party Control System (2-pin Plug). The pin out for the IR connectors are as follows:



## 11 Ethernet LAN Port

The Ethernet LAN port is a 100 Base-T connection to any router, network switch, computer, or 3<sup>rd</sup> party Control System (driver required). The SW-42Plus features a Web Graphical Interface, called ZigNet. Any computer with a web browser can access ZigNet to configure the device, manage EDID, and view advanced diagnostics. *Refer to the SW-42Plus User Manual for more information on using ZigNet.*

## 12 Power

The SW-42Plus requires 12VDC @ 2Amps to power the unit. Use the included power adaptor and ensure the locking ring is threaded snugly to prevent inadvertent disconnection of the power jack. Make sure all video, audio, and control ports are properly connected before applying power to the SW-42Plus.