

# SW-5004IZ

4x1 HDMI 2.0b Switch

## User Manual



rev: 190527  
Made in Taiwan



## **Safety and Notice**

The **SW-5004IZ 4x1 HDMI 2.0b Switch** has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipments, the **SW-5004IZ** should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Follow all instructions and warnings marked on this unit.
- Do not attempt to service this unit yourself, except where explained in this manual.
- Provide proper ventilation and air circulation and do not use near water.
- Keep objects that might damage the device and assure that the placement of this unit is on a stable surface.
- Use only the power adapter and power cords and connection cables designed for this unit.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.



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# INTRODUCTION

The **SW-5004IZ 4x1 HDMI 2.0b Switch** provides easy switching among 4 HDMI sources to your high definition display including HDMI equipped or DVI enable monitors. Full digital and high quality video/audio from any of these 4 sources can perfectly be transmitted to the connected high definition monitor via IR remote control and front panel button. With HDCP support, up to four HDMI/DVI sources such as PS4, DVD players, camcorders, or set-top boxes can seamlessly & simultaneously connected to this SW-5004IZ.

## FEATURES

- HDMI 2.0b compliant
- Supports 4K2K@60 4:4:4 8bits and 8K4K@30 4:2:0 8bits
- Supports HDR\* which is 4K2K@60 4:2:0 10bits\*\*
- HDCP 2.2 and 1.4 compliant
- Wide frequency range: 25MHz~600MHz
- Video bandwidth: 18Gbps
- Supports xvYCC, x.v.Color & Deep color
- The switcher can select any HDMI input by front panel button & IR remote control
- Handy front panel button to switch any four HDMI/DVI sources
- Front Panel LED indicators
- Equalization on input ports and pre-emphasis on output port
- Easy installation



\* HDR = High Dynamic Range.

\*\* The video bandwidth of 4K2K@60 4:2:0 10bits (HDR) is 384MHz, and the 4K2K@60 4:4:4 8bits is 594MHz

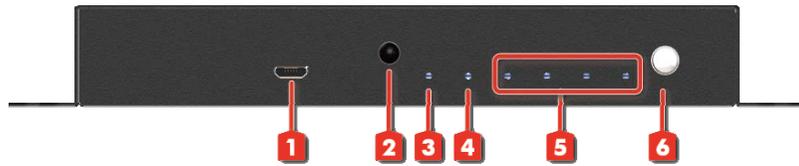
## PACKAGE CONTENTS

- 1x SW-5004IZ
- 1x 5V DC power adapter
- 1x User Manual
- 1x IR Remote Control (15 keys)

# SPECIFICATIONS

Model Name		SW-5004IZ
<b>Technical</b>		
Role of usage	4x1 switch	
HDMI compliance	HDMI 2.0b	
HDCP compliance	HDCP 2.2	
Video bandwidth	Single-link 600MHz [18Gbps]	
Video Support	HDR 4K2K@60 (4:2:0 10bits) / 4K2K@60 (4:4:4 8bits) / 8K4K@30 (4:2:0 8bits)	
Audio Support	DTS-HD Master Audio, Dolby TrueHD Dolby Digital DTS, DVD-Audio, LPCM, SACD, MPCM	
Input TMDs Signal	1.2 volts (peak-to-peak)	
Input DDC signal	5 volts (peak-to-peak)	
ESD Protection	Human body model—±15kV [air-gap discharge] & ±8kV [contact discharge]	
Input	4x HDMI + 1x micro-USB	
Output	1x HDMI	
IR Remote Control	Electro-optical characteristics: $\pi = 25^\circ$ / Carrier frequency: 38kHz	
HDMI connector	Type A [19-pin female]	
USB connector	Micro USB	
<b>Mechanical</b>		
Housing	Metal enclosure	
Dimensions [L x W x H]	Model	182 x 68 x 23mm [7.1" x 2.7" x 0.9"]
	Package	263 x 170 x 97mm [10.3" x 6.7" x 3.8"]
	Carton	512 x 364 x 288mm [1'7" x 1.2' x 11.3"]
Weight	Model	298g [10.5oz]
	Package	627g [1.4lbs]
Fixedness	Wall-mounting case	
Power supply	5V 1A DC	
Power consumption	3 Watts [max]	
Operation temperature	0~40°C [32~104°F]	
Storage temperature	-20~60°C [-4~140°F]	
Relative humidity	20~90% RH [no condensation]	

## Front Panel



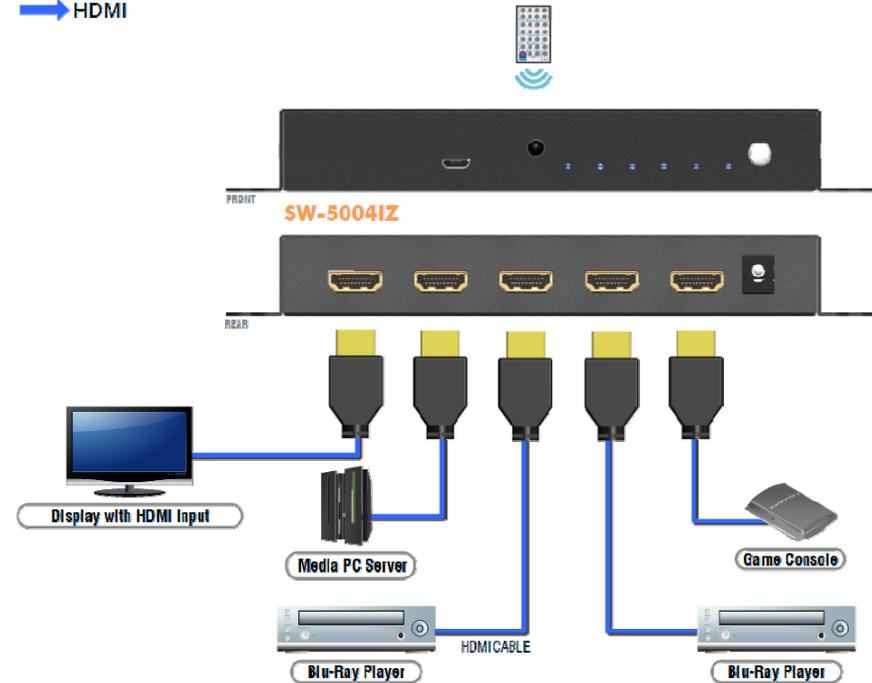
1. **Micro-USB:** for firmware update
2. **IR Sensor:** IR sensor for receiving the IR commands from IR remote
3. **Power Status:** Power indicator LED
4. **Output Status:** Output signal indicator LED
5. **Selected Source Status LED:** When users use port channel push button, the indicator LED will show the selected source. (from the left to the right is input 1, input 2, input 3, input 4)
6. **Channel Push Button:** Select input channel

## Rear Panel

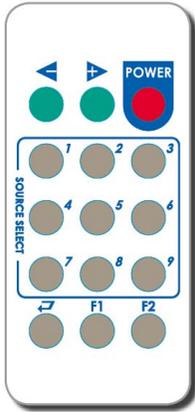


7. **HDMI OUT:** HDMI output
8. **HDMI Input 1~4:** HDMI inputs (from the left to the right is input 1, input 2, input 3, input 4)
9. **+5V DC:** Connect to a 5V DC power supply

→ HDMI



## Method A: IR Remote Control



Function Key	Function Description
<b>POWER</b>	Video Mute
	Switch from the selected input to the next input channel
	Switch from the selected input back to the prior input channel
<b>SOURCE SELECT 1</b>	Select <b>HDMI INPUT 1</b> to be the input source
<b>SOURCE SELECT 2</b>	Select <b>HDMI INPUT 2</b> to be the input source
<b>SOURCE SELECT 3</b>	Select <b>HDMI INPUT 3</b> to be the input source
<b>SOURCE SELECT 4</b>	Select <b>HDMI INPUT 4</b> to be the input source
<b>F1</b>	Auto detection
<b>F2</b>	Auto switch to next input channel every 30 seconds

The SELLER warrants the **SW-5004IZ 4x1 HDMI 2.0b Switch** free from defects in the material and workmanship for 1 year from the date of purchase from the SELLER or an authorized dealer. Should this product fail to be in good working order within 1 year warranty period, The SELLER, at its option, repair or replace the unit, provided that the unit has not been subjected to accident, disaster, abuse or any unauthorized modifications including static discharge and power surge. This warranty is offered by the SELLER for its BUYER with direct transaction only. This warranty is void if the warranty seal on the metal housing is broken.

Unit that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for 90 days from the day of reshipment to the BUYER. If the unit is delivered by mail, customers agree to insure the unit or assume the risk of loss or damage in transit. Under no circumstances will a unit be accepted without a return authorization number.

The warranty is in lieu of all other warranties expressed or implied, including without limitations, any other implied warranty or fitness or merchantability for any particular purpose, all of which are expressly disclaimed.

Proof of sale may be required in order to claim warranty. Customers outside Taiwan are responsible for shipping charges to and from the SELLER. Cables and power adapters are limited to a 30 day warranty and must be free from any markings, scratches, and neatly coiled.

The content of this manual has been carefully checked and is believed to be accurate. However, The SELLER assumes no responsibility for any inaccuracies that may be contained in this manual. The SELLER will NOT be liable for direct, indirect, incidental, special, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. **Also, the technical information contained herein regarding the SW-5004IZ features and specifications is subject to change without further notice.**