

# INTRODUCTION

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## Dear customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Our series of HDMI converters, switchers, extenders, matrixes and splitters are designed to make your A/V device use more convenient, more comfortable, more productive and more cost-efficient.

The 5x1 HDMI Switcher allows a single HDMI sink to access multiple sources. The Switcher allows five HDMI devices to be switched easily through one HDMI compatible monitor or projector. The Switcher can also be placed at the end of a long HDMI cable to regenerate the HDMI signal.

Our devices offer solutions for noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

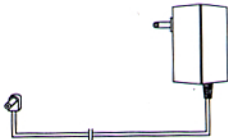
## FEATURES

- Five HDMI input signals switched to a single HDMI sink devices
- Support deep color 30bit, 36bit
- Support Blue-Ray 24/50/60fs/HD-DVD/xvYCC
- Digital audio format, as DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD
- Support signal retiming
- Support input up to 15metres AWG26 HDMI standard cable length,  
output up to 25metres AWG26 cable length
- Inputs can be switched with the IR remote control. also can be controlled by button.
- It can smartly jump over those input sources which are not connected.
- With the smart function of memory, it can come back to the latest status when restarted or reconnected.
- No loss of quality
- Installs in minutes
- Need DC5V/1A power supply

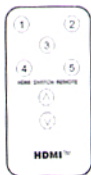
**The accessories with the machines lists as picture:**

1. 5V Power Adaptor
2. Remote
3. one pc of Manual

Power Adaptor



Remote



**Physical Connection Showing Picture:**



Figure 1.0 Front Panel Showing Picture

Power: Power Led Status Light

Source Selection : Switch Button

IR: IR Receiver

Input 1- Input 5: HDMI input led light

Output: HDMI output led status light

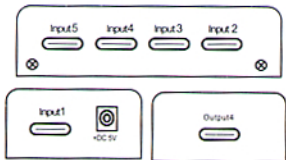


Figure 1.1 the rear and side board showing picture

Input 1- Input 5: HDMI input interface

•DC 5V: 5V DC-DC Power interface

Output: HDMI output interface

#### **Operating and Connecting:**

1. Connect one cable from each HDMI source devices into HDMI Switcher inputs.
2. Connect one cable from display (monitor or projector) into the HDMI Switcher outputs.
3. Connect 5V power supply to the HDMI 5x1 Switcher.
4. Use the RMT-IR remote control port to remotely switch or use button to switch between sources.

## SPECIFICATIONS:

HDSW0501M

HDMI resolution .....	24/50/60fs/1080p/1080i/720p/576p/576i/480p/480i
Support video color format .....	24bit/deep color 30bit,36bit
Support audio format.....	DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD
Max bandwidth.....	250MHz
Max baud rate.....	7.5Gbps
Input/Output TMDs signal .....	0.5~1.5Volts p-p(TTL)
Input/Output DDC signal .....	5Volts p-p (TTL)
Input cable distance.....	≤15m AWG26 HDMI standard cable
Output cable distance.....	≤25m AWG26 HDMI standard cable
Max working current.....	650mA
Power adapter format..Input: .....	AC (50HZ, 60HZ) 100V-240V; Output: DC5V/1A
Operating Temperature range.....	(-15 to +55℃)
Operating Humidity range.....	5 to 90%RH (No Condensation)
Dimension (L x W x H) .....	115x61x25 (mm)
Weight.....	190g

### IR Remote Operating Instruction

1. Firstly take off the plastic film in the rear of the remote board.
2. If you want to select any of the five signal sources to the output, press the 1,2,3, 4,or 5 key .Like if you want to switch the 2 input signal to the output, press the 2 key directly.
3. The up/down key in board is for switching the signal to the output circulatingly, and the remote will jump over the signal source input when it is no signal input.
4. The plastic film is strongly advised to put it in the rear of the remote board when the remote is not used for long time.

#### Notes:

Pls use the machine as the instruction listed to keep the long use lifetime of the machine.

1. The machine should be placed at the spot far from the Damp, High-Temperature, Dusty, Erosive, and oxidative environment.
2. All parts will be free from the strong shake, hit, fall.
3. Touching the power adaptor with the wet hands is prohibited.
4. Pls hold the power adaptor head and do not pull the power cord when cut off from the socket.
5. Pls turn the power off when the machine is not used for long time.
6. Pls do not open the cover and do not touch the inside parts.
7. Pls use the original factory power adaptor.

Before power on, pls check the connection line carefully. And make sure that all interfaces are normally connected. The common trouble shooting way shows below:

Serial NO	Trouble Description	Cause and Ways to deal with
1	Non-Power-Connected	<ol style="list-style-type: none"><li>1. Check if the power adaptor head is truly and correctly inserted the power socket.</li><li>2. Check the power switch if it is in on status.</li></ol>
2	No Picture	<ol style="list-style-type: none"><li>1. Pls to make sure that the TV is on and has been connected with the machine.</li><li>2. To check if the signal source is on and well connected.</li><li>3. Check the system connection quality.</li><li>4. Check if the line is all good quality.</li><li>5. Check the cable quality</li></ol>
3	Obscure Picture	<ol style="list-style-type: none"><li>1. To try again to connect the cable to be free from the unsuccessful connection.</li><li>2. HDMI Cable Quality</li></ol>
4	Remote	<ol style="list-style-type: none"><li>1. Pls check if the film that stops the current has been taken out.</li><li>2. To check if the remote battery is working full.</li></ol>