

USER MANUAL

8X2 HDMI Switch Splitter

Model No: HDSW0004M1

INTRODUCTION

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 8x2 device can connect eight HD Sources to two HD Displays; it can easily switch and distribute any one of the input eight HD Source signals to the two Displays. Also it support input HDMI audio extract out by the digital audio Toslink and Coax port.

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

Feature:

- ③ Any one of input eight HD Sources switch and distribute to two HD displays.
- ③ Support 30/36 Bit Deep Color
- ③ Support Blue-Ray DVD24/50/60fs/HD-DVD/xvYCC
- ③ Support Audio Format:DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD
- ③ Support Signal Retiming
- ③ Input HDMI Cable length up to 10M if use the standard AWG26 HDMI Cable; Output HDMI Cable length up to 15M if use the standard AWG26 HDMI Cable
- ③ It can use the remote to choose the signal source or switch the input signal source by press the switch button
- ③ No Loss of Signal
- ③ Use 12V1.5A Power Adaptor

Package Contents:

1. Main Unit
2. Power Adaptor
3. Remote
4. User Manual
5. CD (RS232 Control Software)
6. IR Extender Cable
7. RS232 Serial Port Cable
8. Ear mounts

Picture 1.0: Front Panel Picture:



1- 8: HDMI Input Status Led Light

IR : **Infrared Sensor**

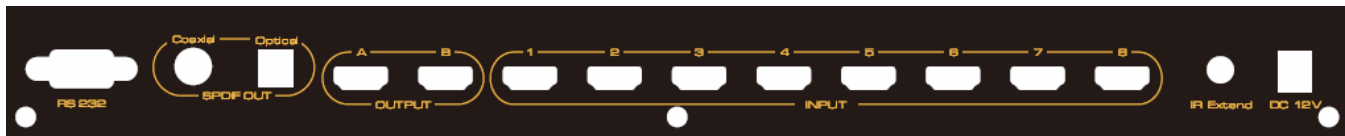
POWER : Power Led Light

OUT A&B : HDMI Output Status Led Light

LEFT : Switch button to switch the input source from right to left

RIGHT: Switch button to switch the input source from left to right.

ON/OFF: Power ON/OFF Button



Picture 1.1: Rear Panel Picture

DC 12V: Power Port

IR Extend: IR Extend Port

Output A 和 B: HDMI Output Port

Input 1- Input 8 : HDMI Input Port

RS232: Serial Control Port

SPDIF OUT: Toslink and Coax Digital Audio Output Port

OPERATIONG AND CONNECTION:

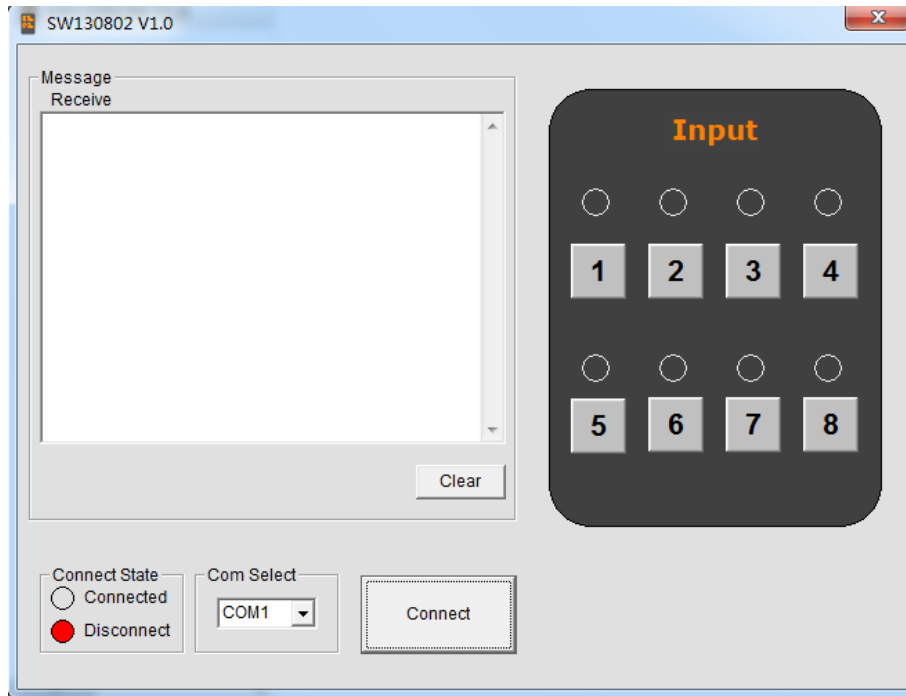
1. To use the HDMI cable to connect each HD Sources with HDMI input port of the 8X2 device.
2. To use the HDMI cable to connect the Display with the output port of 8x2 device.
3. To connect the power adaptor with 8X2 device.
4. To use the optical cable or coaxial cable to connect the Toslink port and the Coax port with the AV Receiver.
5. To use the RS232 cable and the IR cable to connect the RS232 port and IR port of the 8x2 device with the control equipment to do control to the 8x2 device.

SPECIFICATION:

HDSW0004M1

HDMI Input/Output Resolution24/50/60fs/1080p/1080i/720p/576p/576i/480p/480i
Deep Color.....24bit/deep color 30bit, 36bit
HDMI Audio Format.....DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD
HDMI Max bandwidth.....225MHz
HDMI Max baud rate.....6.75Gbps
Input/Output TMDS signal0.5~1.5Volts p-p (TTL)
Input/Output DDC signal..... 5Volts p-p (TTL)
HDMI Input cable distance.....≤10m AWG26 HDMI standard cable
Output cable distance.....≤15m AWG26 HDMI standard cable
Max working current.....1A
Power adapter format:12V/1.5A
Operating Temperature range.....(-15 to +55°C)
Operating Humidity range.....5 to 90%RH (No Condensation)
Product size (L x W x H)**400X150X60** (mm)
Weight.....1500g

RS232 Control Software Instruction



COM Select : Choose the matched COM port; click the Connect Button, then Connect button will go bright. Control software begin being under control.

Message Receive : Show the print info that the device feedbacked.

Clear : Delete the print info at the window.

Input: Input source.

Button 1-8 : Represent 1-8 input port.

Control Way: For example: if you want to choose the input 2 source, you can press the Number 2 below INPUT, and then it will be ok.

Serial Port Protocol

Length+ Start Code (0x55) +Instruction Code +Parameter (it can be without) +End Code (0x77)

Command (hex)	feedback	description
0x04 0x55 0x14 0x77	inx	To get the select status of each input port
0x05 0x55 0x15 0x01 0x77	in1	Output chosen the input 1
0x05 0x55 0x15 0x02 0x77	in2	Output chosen the input 2
0x05 0x55 0x15 0x03 0x77	in3	Output chosen the input 3
0x05 0x55 0x15 0x04 0x77	in4	Output chosen the input 4
0x05 0x55 0x15 0x05 0x77	in5	Output chosen the input 5
0x05 0x55 0x15 0x06 0x77	in6	Output chosen the input 6
0x05 0x55 0x15 0x07 0x77	in7	Output chosen the input 7
0x05 0x55 0x15 0x08 0x77	in8	Output chosen the input 8

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 adapter with the wet hands is prohibited.
4. Pls hold the power adapter head and do not pull the power cord when cut off from the socket.
5. Pls turn the power off when the machines 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 adapter.

FAQ:

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	Problem Description	Solutions
1	Non-Power-Connected	<ol style="list-style-type: none">1. Check if the power adaptor head is truly and correctly inserted the power socket.2. Check input signal source if it is in standby status.
2	No Picture	<ol style="list-style-type: none">1. Pls to make sure that the TV is on and has been connected with the machine.2. To check if the signal source is on and well connected.3. Check if the line is all good quality.4. Check signal source channel selection is correct

3	Obscure Picture	1. To try again to connect the cable to be free from the unsuccessful connection. 2. HDMI Cable Quality
4	Remote	1. Pls check if the insulation film at the rear of remote have been pulled out. 2. Pls check if the cell button power have been used out?