HDMI MATRIX SWITCH

Introduction

Thanks for purchasing this HDMI Matrix Switch that provides a convenient way to route high definition video and audio from any HDMI sources to any HDMI displays.

Feature

- Support four roads HDMI signal input,four roads HDMI signal output.Input and output can be switched arbitrarily.
- Suport resolution up to 1080P@60Hz.
- Support 36bit deep color.
- Support 3D video technology.
- Support HD digital audio ,such as :Dolby TrueHD,DTS-HD Master Audio.
- Support remote control switch,key-pressing switch and RS232 switch.
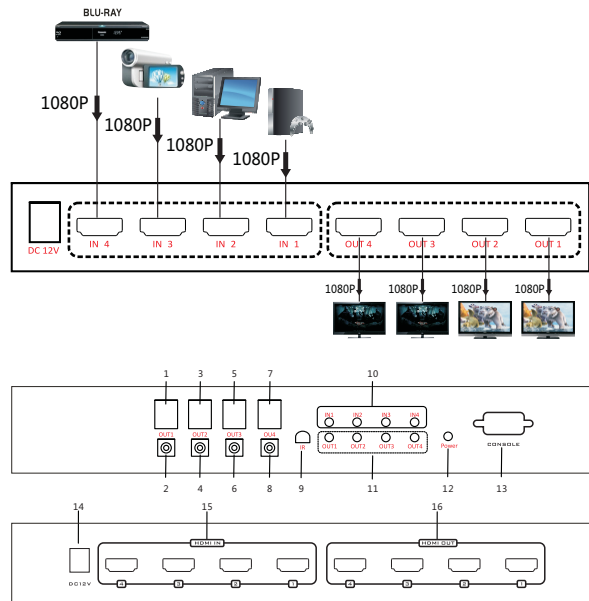- Support power adapter DC12V 2A(support 5~12V range power).

Specification

- Operating temperature range: -45℃ to 85℃
- Operating humidity range: 5% to 90% RH (non-compressed)
- Bandwidth: 2.5Gbs/250MHz
- Input Video Signal: 0.5-1.0V p-p
- Input DDC Signal: 5V p-p (TTL)
- Max Single Link Range: 1920*1440,1080p
- Support VGA: 640*480 ,800*600 ,1024*768 , 1280*1024 ,1600*1280,1920*1080,1920*1440

- Support DTV/HDTV: 480i/576i/480p/576p/720p/1080i/1080p
- Output Video Signal: HDMI 1.4b+HDCP1.0/1.1

Connection diagram

Front panel introduction

1).Input 1 channel indicator tube.The number x in digital tube means signal in output 1 channel out from input x channel.

2).Input 1 channel switch press.Press this key and then can switch input signal from output 1 channel circularly(input 1->2->3->4->1…).

3).Input 2 channel indicator tube.The number x in digital tube means signal in output 2 channel out from input x channel.

4).Input 2 channel switch press.Press this key and then can switch input signal from output 2 channel circularly(input 1->2->3->4->1…).

5).Input 3 channel indicator tube.The number x in digital tube means signal in output 3 channel out from input x channel.

6).Input 3 channel switch press.Press this key and then can switch input signal from output 3 channel circularly(input 1->2->3->4->1…).

7).Input 4 channel indicator tube.The number x in digital tube means signal in output 4 channel out from input x channel.

8).Input 4 channel switch press.Press this key and then can switch input signal from output 4 channel circularly(input 1->2->3->4->1…).

9).Ir remote control receiver. 10).Input singal access indicator.
11).Output signal access indicator.   12).Power indicator.
13).RS232 serial control port.   14).Power port.
15).Input 1~4 channel.   16).Ouput1~4 channel.

RS232 serial control introduction

1.Operation environment
This software is suitable for Windows 98/2000/XP,and is green and free.Just copy disc files to the machine to use directly.

2.Connection
Firstly please make sure the connection of computer and Matrix serial port is fine,run the corresponding program files
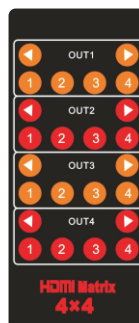
matrix_com_tool.exe ,click the connection button"on" in software window uptter right corner. After connection ,connection button status will be changed as "off",control interface will change from gray to activation .If no change, please check whether hardware connection is normal.

Operation Instruction

For example output 1

←	Input 4 to 1 decrease to output 1
→	Input 1 to 4 increase to output 1
1	Input 1 to output 1
2	Input 2 to output 1
3	Input 3 to output 1
4	Input 4 to output 1
off	Off connection

Remote control operation and instruction

For example output 1

◄	Input 4 to 1 decrease to output 1
►	Input 1 to 4 increase to output 1
1	Input 1 to output 1
2	Input 2 to output 1
3	Input 3 to output 1
4	Input 4 to output 1