U S E R M A N U A L

4X4 HDMI Matrix

Model No: HDMX0007M1

Enjoy the vivid world!

!

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 4x4 HDMI Matrix can connect four HD Sources with four HD Displays; it can easily switch and distribute four HD Source signals to four HD displays at the same time.

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

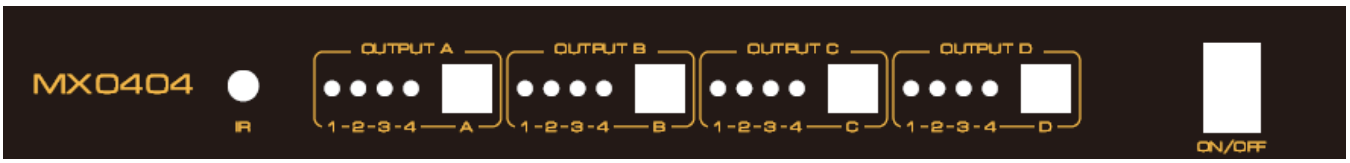
Feature:

- Four Input HD Source signals switch and distribute to four HD Displays
- Support 30/36 Bit Deep Color
- Support Blue-Ray DVD24/50/60fs/HD-DVD/xvYCC
- Support Audio Format:DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD
- Support Signal Retiming
- 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.
- It can use the remote to choose the signal source or switch the input signal source by press the switch button.
- Use 5V3A Power Adaptor

Package Content:

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

Port Showing Picture:



Picture 1.0 Front Panel Picture

1- 4：HDMI Input Status Led Light

IR ： infrared sensor

Switch A ： HDMI A Port Switch Button

Switch B ： HDMI B Port Switch Button

Switch C ： HDMI C Port Switch Button

Switch D ： HDMI D Port Switch Button

Picture 1.1 Rear Panel Picture

DC 5V: Power Port

IR Extend: IR Extend Port

Output A-Output D: HDMI Output Port

Input 1- Input 4 ： HDMI Input Port

Picture 1.1 Rear Panel Picture

RS232：RS232 Serial Port

OPERATIONG AND CONNECTION:

1. To use the HDMI cable to connect the four HD sources with the HDMI input port of the matrix.
2. To use the HDMI Cable to connect the four HD displays with the HDMI output port of the matrix.
3. To connect the power adaptor with the matrix.
4. To use the RS232 cable and the IR cable to connect the RS232 port and IR port of the matrix with the control equipment to do control to the matrix.

SPECIFICATION: HDMX0007M1

HDMI Input/Output Resolution……24/50/60fs/3D/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 signal ……..……0.5~1.5Volts 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…….....2A

Power adapter format……..……5V/3A

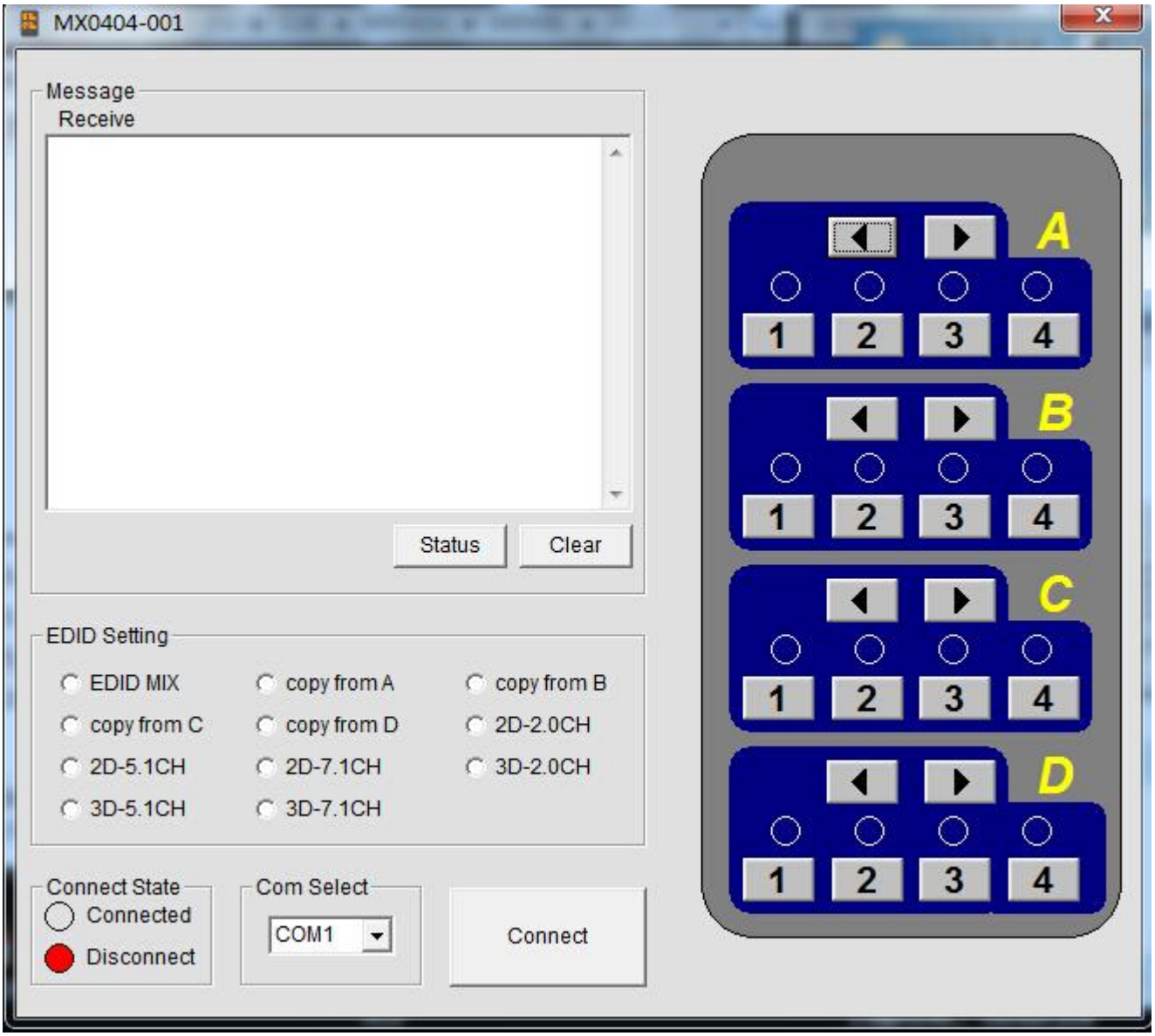
Operating Temperature range……..……(-15 to +55℃)

Operating Humidity range……..…5 to 90%RH (No Condensation)

Product size (L x W x H)……308X151X36 (mm)

Weight……1216g

Matrix 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.

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

Status: Refresh current status info.

Clear : Delete the print info at the window.

EDID Setting : For preset the best EDID or copy the chosen output port EDID and save it at the device.

Button A-D : Represent the four output

Button 1-4 : Represent the chosen Input source, the bright number represent the current chosen input source.

Control Way: For example, if you want to choose the Input 2 to output by the

Output C port, you can click the Number 2 below Letter C, then it will be ok.

Serial Port Protocol

Serial Port Protocol Format: Lenght+Start Code**(0x55)**+Instruciton Code+Parameter**(**It can be without**)**+Finish Code**(0x77)**

Command (hex)	feedback	description
0x04 0x55 0x20 0x77	\r\n s1x s2x s3x s4x EEx	To get the output port working status and the EDID status.
0x05 0x55 0x19 0x09 0x77	s10	Output 1 chosen the input 1
0x05 0x55 0x19 0x1D 0x77	s11	Output 1 chosen the input 2
0x05 0x55 0x19 0x1F 0x77	s12	Output 1 chosen the input 3
0x05 0x55 0x19 0x0D 0x77	s13	Output 1 chosen the input 4
0x05 0x55 0x19 0x17 0x77	s20	Output 2 chosen the input 1
0x05 0x55 0x19 0x12 0x77	s21	Output 2 chosen the input 2
0x05 0x55 0x19 0x59 0x77	s22	Output 2 chosen the input 3
0x05 0x55 0x19 0x08 0x77	s23	Output 2 chosen the input 4
0x05 0x55 0x19 0x5E 0x77	s30	Output 3 chosen the input 1
0x05 0x55 0x19 0x06 0x77	s31	Output 3 chosen the input 2
0x05 0x55 0x19 0x05 0x77	s32	Output 3 chosen the input 3
0x05 0x55 0x19 0x03 0x77	s33	Output 3 chosen the input 4
0x05 0x55 0x19 0x18 0x77	s40	Output 4 chosen the input 1
0x05 0x55 0x19 0x44 0x77	s41	Output 4 chosen the input 2
0x05 0x55 0x19 0x0F 0x77	s42	Output 4 chosen the input 3
0x05 0x55 0x19 0x51 0x77	s43	Output 4 chosen the input 4
0x05 0x55 0x18 0x00 0x77	EE0	EDID mix
0x05 0x55 0x18 0x01 0x77	EE1	EDID copy form output 1
0x05 0x55 0x18 0x02 0x77	EE2	EDID copy form output 2
0x05 0x55 0x18 0x03 0x77	EE3	EDID copy form output 3
0x05 0x55 0x18 0x04 0x77	EE4	EDID copy form output 4
0x05 0x55 0x18 0x05 0x77	EE5	EDID 2D 2CH
0x05 0x55 0x18 0x06 0x77	EE6	EDID 2D 5.1CH
0x05 0x55 0x18 0x07 0x77	EE7	EDID 2D 7.1CH
0x05 0x55 0x18 0x08 0x77	EE8	EDID 3D 2CH
0x05 0x55 0x18 0x09 0x77	EE9	EDID 3D 5.1CH
0x05 0x55 0x18 0x0a 0x77	EEa	EDID 3D 7.1CH

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	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	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?