U S E R   M A N U A L

HDMI **Splitter** 1X4 By Single CAT

Up TO 60m & Support 3D Full HD

Model No : HDEX004M1

Enjoy the vivid world!

cablematic

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.

This extender can extend and connect one HD Source to four HD Displays or Projectors by four pieces of cat6/7 at the same time. The extending distance can reach 60m. This extender meets the needs of multi-route and low-cost HD Signal long distance transmission well.

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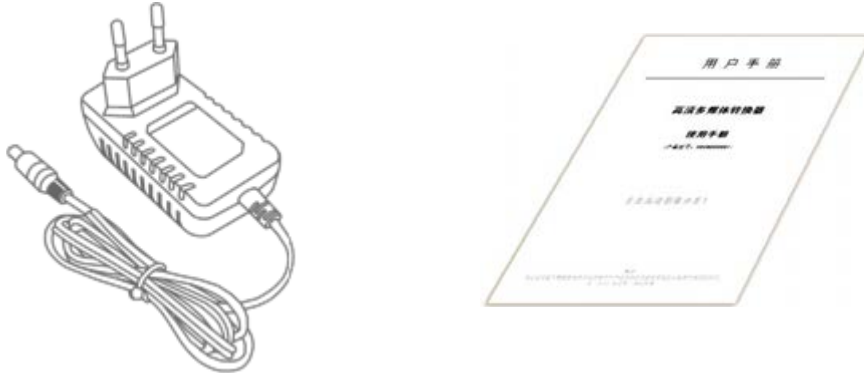
FEATURES

● One HDMI input distribute and extend to found Display by four cat6/7 cable. The extend distance can be up to 60m.

● Support 3D

● Support video output : 24/50/60fs/1080p/1080i/720p/576p/576i/480p/480i

● Audio format support : DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD

● LED Status Light : the related led light will go bright.

● The extend distance can be up to 60m.

● Support signal retiming

● No loss of quality

● Installs in minutes

● TX uses the DC5V/3A power adaptor.

● Four RX: each one uses 5V/1A power adaptor

The accessories with the machines lists as picture：

1、5V/3A Power Adapter   1 pcs

2、5V/1A Power Adapter   4pcs

3、one pc of Manual   1 pcs

Physical Connection Showing Picture：

Figure 1.0 Front Panel Showing Picture

Output：output led status light

Input/EDID：HDMI input led status light

POWER: Power Led Status Light

EDID: The key for reading the EDID info

The steps to use the Switcher Key:

It can read the EDID info of the incompatible display and then adjust to become compatible with the display that does not work.

1. To connect the power adaptor with the power port of the HDMI 1X4 extender

2. To connect the HDMI output of the HDMI 1X4 extender with the HDMI input port of the display.

3. To keep the display at working status and choose the matched HDMI input port.

4. To press the Switcher key at the HDMI 1X4 extender and the EDID read action finished while the ＂Input/EDID" LED light goes green.

5. It reads the EDID info of the output connected four display one by one, the first time that the light goes green means it is reading the EDID info of Output1 Display, the second time that

the light goes green means it is reading the EDID info of the Output2 Display, the output 3 and output 4 follow this principle.(It suggests to use the Out1 for the DVI display when output channel have both DVI and HDMI display.)

6. To take the HDMI cable out and power off with the HDMI 1X4 extender, it can use as normal mode.

Note: It can use HDMI-DVI cable for DVI Monitor. The step is same as above.

Figure 1.1 rear panel showing picture

Out1- Out4: RJ45 output interface

In: HDMI input interface
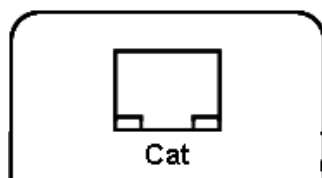
DC 5V : 5V DC-DC Power Interface

Figure 1.2 Front Panel Showing Picture

To use four cat6/7 cables to connect the TX Out port with the CAT input port of the RX.
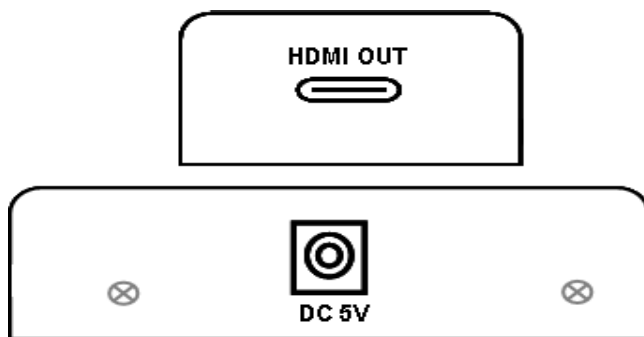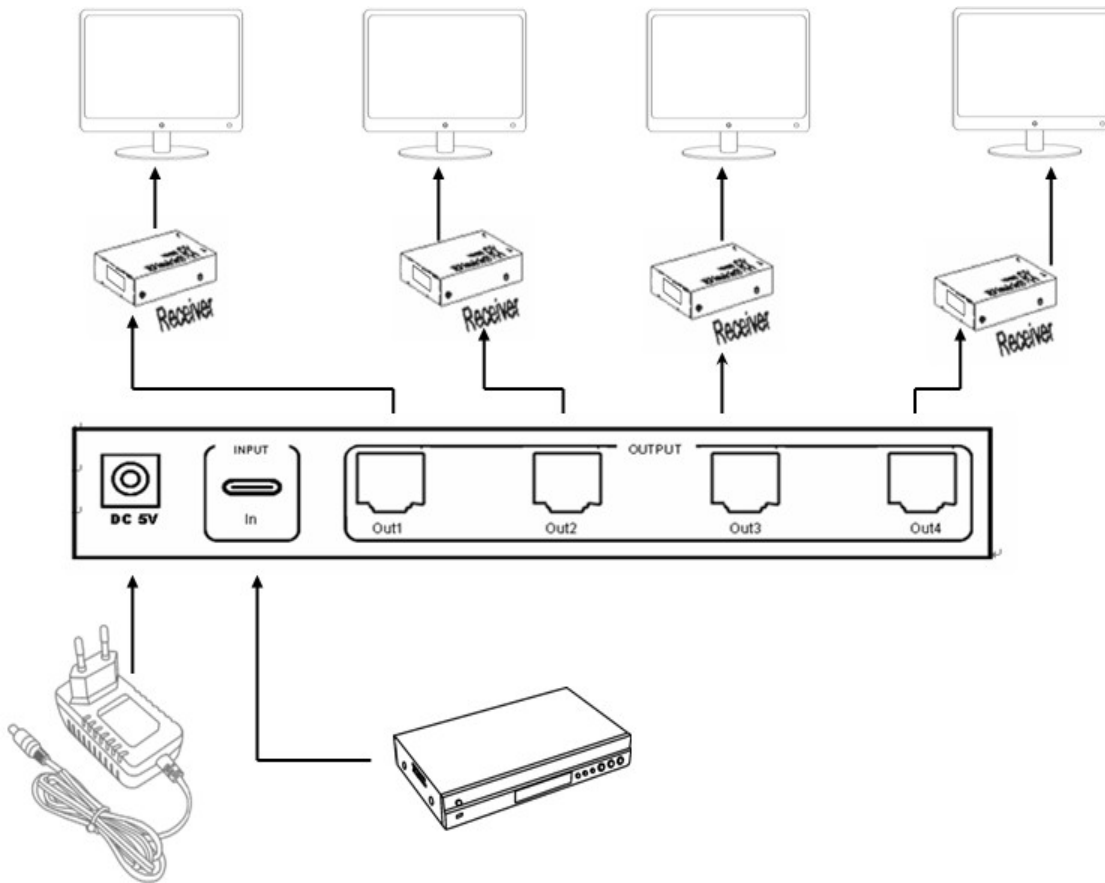

Figure 1.3 the rear and side board showing picture

HDMI OUT: Receiver to connect the HDTV or other display.

DC 5V: 5V DC-DC Power Adaptor Interface.

Operating and Connecting：

1. To use one piece of HDMI Cable to connect the HD Source with the HDMI input port of the extender, the HDMI Cable up to 15m.

2. To use one pieces of cat6/7 for each distributed HDMI Signal to connect the sender and receive, the distance between the sender and receiver most up to 60m.

3. To use one HDMI cable to connect the RX with the Display, The HDMI Cable length can be up to 20m.

4. To connect the attached powers at the receiver and sender.

SPECIFICATIONS: HDEX004M1

Length of CAT-6 cable between Rx and TX…..…………….….….…….…….. up to 60m

HDMI Input…..……………….…...………24/50/60fs/1080p/1080i/720p/576p/576i/480p/480i

Support audio format input..………DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD

HDMI Output…..……………….…...………24/50/60fs/1080p/1080i/720p/576p/576i/480p/480i

Support audio format output..……… …………………………LPCM7.1/DTS/Dolby-AC3/DSD

Max bandwidth……………………………………………………………………225MHz

Max baud rate………………………………………………………………6.75Gbps

Input Video signal ………………………………………………… 0.5~1.5Volts p-p

Output DDC signal ………………………………………………… 5Volts p-p (TT1L)

Input HDMI cable distance..….. …………………..…….≤15m AWG26 HDMI standard cable

Output HDMI cable distance………………….….……..≤20m AWG26 HDMI standard cable

Max working current(TX)…………………………………………….…………..2000mA

Max working current(RX)……………………………….….…………………..600mA

Power adapter format(TX)…………..…Input:AC (50HZ, 60HZ) 100V-240V; Output: DC5V/3A

Power adapter format(RX)……………Input:AC (50HZ, 60HZ) 100V-240V; Output: DC5V/1A

Operating Temperature range……..….……………….…………………… (0 to +40℃)

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

Dimension (TX)   …………………………………………….………..205x74x26(mm)

Dimension (RX)   ………………………………………………..…(82X44X22) (mm) X4pcs

Weight…..………………………………….….…………………………….……750g

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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	1、 Check if the power adaptor head is truly and correctly inserted the power socket. 2、Check the power switch if it is in on 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 the system connection quality. 4、Check if the line is all good quality. 5、Check the cable quality
3	Obscure Picture	1、 To try again to connect the cable to be free from the unsuccessful connection. 2、Check the cable quality