U S E R   M A N U A L

HDMI-CAT-HDMI Extender

Model No: HDEX007M1

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 HDEX007M1 Extender use Single cat-5E or cat-6(recommended) cables up to 50 meters instead of HDMI cable to transmit high definition signal, for cutting down cost. Long distance transmission of high definition is very difficult because HDMI cable is very expensive and infrequent. The Extender is designed to supply for long distance transmission of high definition 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

- Support video input : 24/50/60fs/1080p/1080i/720p/576p/576i/480p/480i

- Use one cat5e/cat6 cable to transmit the HDMI Signal and IR signal, the max cat cable length can be up to 50m.

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

- Support Resolution up to 1080P/60HZ.

- Support IR extender, it can do long distance control to the HD Source by using the IR received at the receiver.

- Support EDID Management and Control

- CAT connections according to IEEE-568B

- LED indication: when power is supplied or device is working, LED relative to is light.

- No loss of quality

- Installs in minutes

- Need DC5V/1A power supply

The accessories with the machines lists as picture：

1、HDMI Transmitter   1PCS
2、HDMI Receiver   1PCS
3、Windband IR Tx cable   1PCS
4、windband IR Rx cable   1PCS
5、5V/1A power adapter   1PCS
6、User manual   1PCS
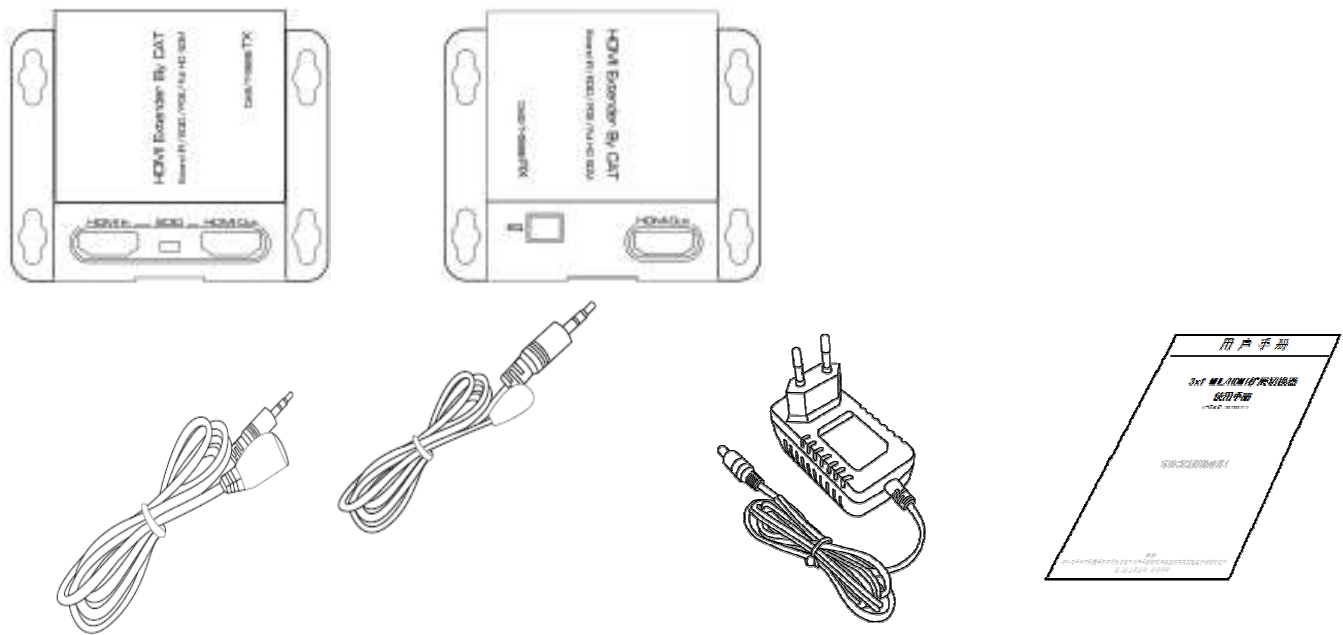
Physical Connection Showing Picture：
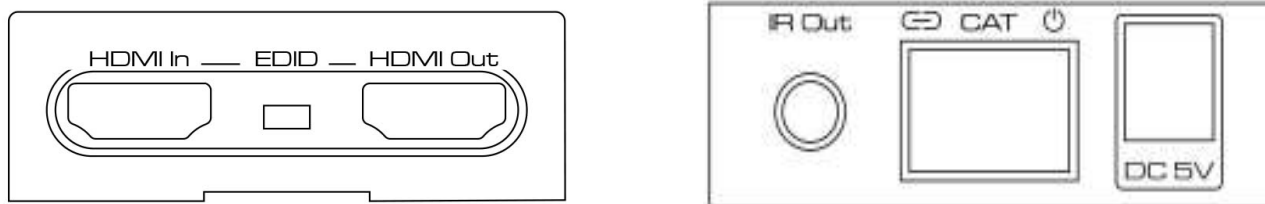
Picture1.0 Transmitter Port Showing Picture

HDMI In: HDMI Signal Input Port

EDID: EDID EDID Control Switch; when switch set to left, it is default EDID; when switch set to right, it will copy the EDID of HDMI Output connected TV.

HDMI Loop Out: HDMI Signal Loop Output Port for connecting the HDMI Display or TV.

IR Out: IR Output Port for insert the TX IR Blaster cable (can be used by match the RX IR Cable).

⊖ ：Signal Status Led Light, the Led Light will go bright when cat cable connection is ok.

CAT：RJ45 Port: it can use one standard cat cable to connect the transmitter with the receiver.
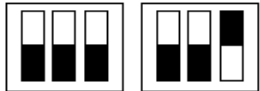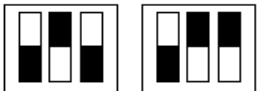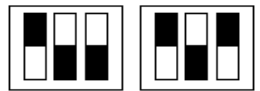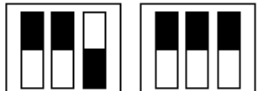
⏻ : Power Led Light: it will go bright when power is connected.

DC 5V: 5V DC Port
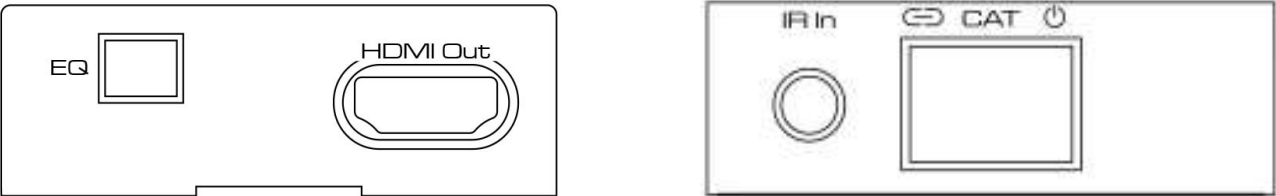
Picture 1.1 Receiver Port Showing Picture

EQ：Equalizer Switch

EQ Set-Up Tips			
Position	Cat Cable Length	Position	Cat Cable Length
0 1	<15m	2 3	15-30m
4 5	30-40m	6 7	40-50m

HDMI Out: HDMI Signal Output Port for connecting the HDMI Display or TV.

IR In: IR Input Port for insert the IR Receiver cable (it can be used by match the TX IR Cable).

⊂⊃ ： Signal LED Status Light: the Led Light will go bright when signal output is working without problem.

CAT：RJ45 Port: it can use one standard cat cable to connect the transmitter with the receiver.

⏻ : Power Led light, it will go bright when cat cable connection is ok.

IR Extender Function Introduction

1、30KHz-50KHz Wide-band IR Frequency Support Range:30 KHz-50 KHz

2、To insert the TX IR Blaster Cable to the IR OUT port and put the IR Head at the front of the TV

3、To use the RX IR Receiver Cable   to the IR IN Port and use the Remote to point at the IR Receiver Head to do control and can transmit the IR signal to the RX IR Cable by cat cable.

4、TX IR and RX IR Pins Diagram：

IR Blaster
1 Power
2 IR Blaster Signal
3 NC

IR Receiver
1 Power
2 IR Signal
3 Grounding
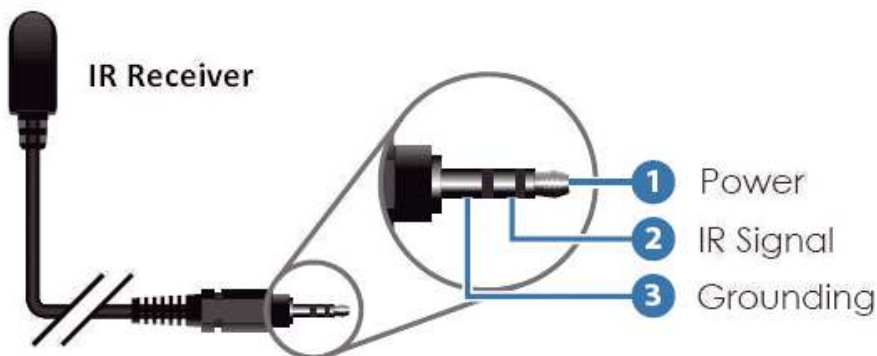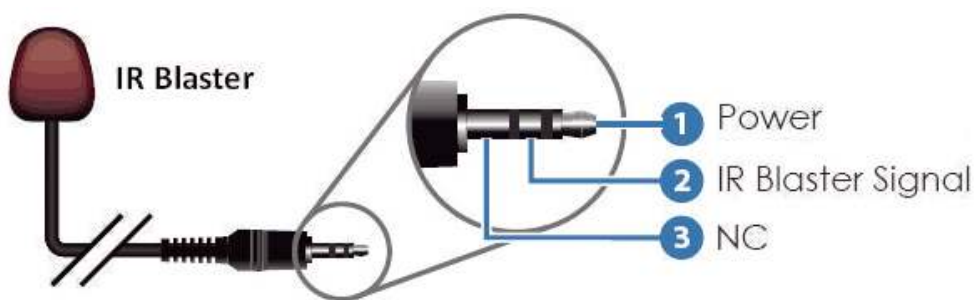
Operating and Connecting：
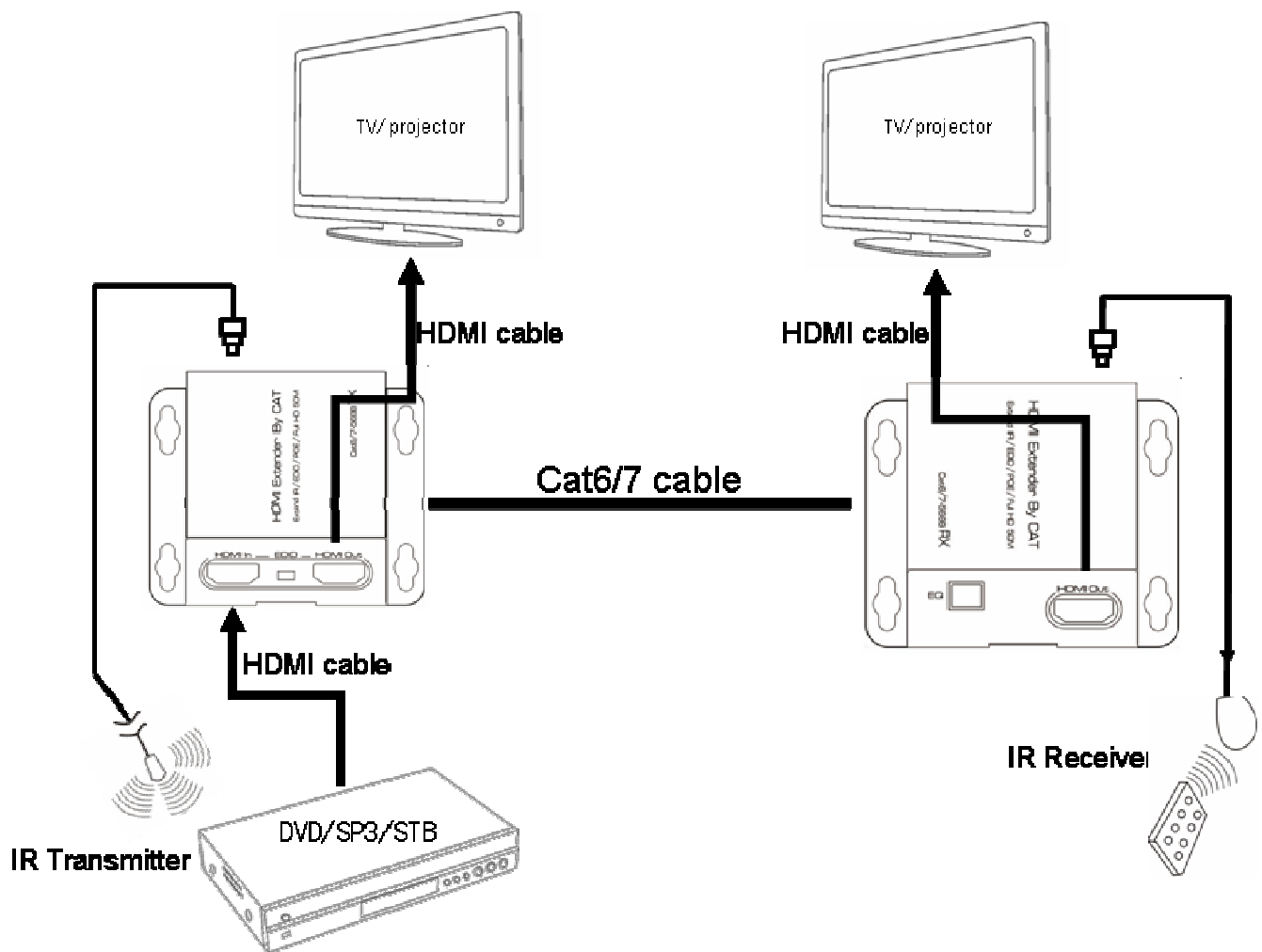
1. To use one HDMI Cable(up to 5m) to connect the HD Source with the HDMI Input port of the Transmitter

2. To use one HDMI Cable(up to 8m) to connect the HDMI Output port of the transmitter with the HD Display

3. To use one HDMI Cable(up to 8m) to connect the HDMI Output port of the receiver with the HD Display

4. To use one cat 5e or cat 6 cable to connect the transmitter with the receiver(the cat cable length can be up to 50m)

5. connect the 5V power adaptor to the extender

SPECIFICATIONS:
HDEX007M1

Length of CAT-6 cable between Rx and TX….………………….………………….Up to 50 meters

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

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

Max bandwidth…………………………………………………………………………165MHz

Max baud rate……………………………….…...………………………………4.95Gbps

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

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

Input/Output HDMI cable distance………….……………...≤5m AWG26 HDMI standard cable

Max working current……………………………………….…….….………...600mA

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

Operating Temperature range…….….…………………………………………-0 to +40℃

Storage Temperature range………………………………………… -20 to +60℃

Operating Humidity range………………….….…………5 to 85%RH (No Condensation)

Storage Humidity range……………….….……………5 to 95%RH (No Condensation)

Dimension (L x W x H)   ………………………………………….………67X61X21 (mm)

Weight….….……………………………………………….…………………226g

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、HDMI Cable Quality