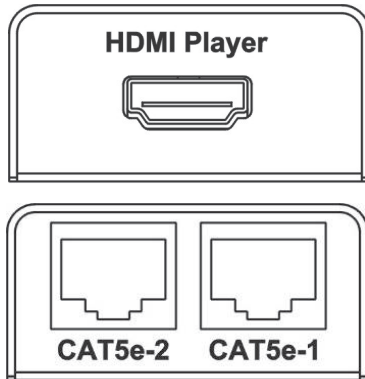




USER MAUUAL

HDMI[®] OVER TWO CAT5/CAT6



CS-HDC5EXTD

Safety Warning

Please read this entire manual carefully before assembling this unit to avoid bodily injury and/or any property loss. If you do not understand these directions, or have any doubts about the safety of the installation, please call Tech Support at 1-866-839-9187.

Please check carefully to ensure there are no missing or defective parts. Our customer representatives can quickly assist you with installation questions and missing or defective parts. Replacement parts for products purchased through authorized dealers will be shipped to you directly.

Do not attempt to use any parts not provided by the manufacturer. Using other screws could cause injury or property loss.

Never use defective parts, as improper installation may cause damage or serious injury.

Do not use this product for any purpose not explicitly specified by Metra Home Theater Group™. Metra Home Theater Group™ cannot be liable for damage or injury caused by incorrect assembly, or incorrect use.

Read these instructions.

Keep these instructions.

Heed all warnings.

Follow all instructions.

WARNING: Use only the supplied screws intended for the current application to avoid personal injury or property damage.

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HDMI EXTENDER (By CAT-5e/6 cable)

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.

1.0 INTRODUCTION

The HDMI Extender by CAT-5e/6 uses two pieces of UTP cable to extend the HDTV display up to 30 meters for 1080p. It not only breaks the limitation of the HDMI cable transmission length, but also CAT-5e/6 has more flexibility and convenience in cable construction.

It is equipped with HDMI (high definition multimedia interface) connectors and is capable of supporting DVI (digital visual interface) equipment when used with an HDMI to DVI Adapter, providing greater flexibility and options when integrating several home theater components.

It offers solutions for residential consumers: HDTV retail and show site, HDTV, STB, DVD and Projector factories, noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

1.1 BENEFITS

- 1) The length of HDMI cable is fixed and unchangeable after it is produced. Because the HDMI connector can only be soldered or terminated by the professional workers in factory, the users can not reduce or increase by themselves. However CAT-5e/6 cables are available everywhere and be processed easily by the user or installer.
- 2) Because the header of the long HDMI cable is big, using it must in hidden method. What's more, it is not easy to bend the HDMI cable and to pull it through the in-wall tube or tray. However, CAT-5e/6 cable has no such problems.
- 3) Using this Extender together with UTP cable the transmission distance can be up to 60 meters for 1080p. For the general HDMI cables, they must be customized when the length is over 10 meters.

1.2 FEATURES

This HDMI Extender has many features that enable it to perform in a superior manner. Among those features you will find:

- One pair as a full functional module, no need of setting.
- CAT-5e/6 cable can substitute HDMI cable to achieve long distance transmission.
- Follows the standard of IEEE-568B.
- Transmission distance can be up to 30 meters for 1080p while using UTP cable.
- Supports HDMI1.2a.
- Supports highest video resolution 1080p.
- Supports 165MHz/1.65Gbps per channel (4.95Gbps all channel) bandwidth.
- Supports 8bit per channel (24bit all channel) deep color.
- HDCP pass-through.
- Supports uncompressed audio such as LPCM
- Supports compressed audio such as DTS Digital, Dolby Digital (including DTS-HD and Dolby True HD) .

2.0 SPECIFICATIONS

Signal Inputs/Output	
Input Video Signal	5 Volts p-p (TTL)
Maximum Single Link Range	1920x1080p
Output Video	HDMI1.2a
HDMI Input/Output Connector	Type A 19 pin
Operating Frequency	
Vertical Frequency Range	50/60Hz
Video Amplifier Bandwidth	1.65Gbps/165MHz
Resolutions(HDTV)	
Interlaced(50&60Hz)	480i,576i,1080i
Progressive(50&60Hz)	480p,576p,720p,1080p
Mechanical	1.8" W x 1" H x 3.2" D
Size(H-W-D)	45mmW x 25mmH x 81mmD
Weight(Net)	0.246KGs
Warranty	
Limited Warranty	1 Year Parts and Labor
Environmental	
Operating Temperature	0 °C to +70 °C
Operating Humidity	10% to 85 % RH (no condensation)
Storage Temperature	-10 °C to +80 °C
Storage Humidity	5% to 90 % RH (no condensation)
Power Requirement	
External Power Supply	5V DC@2A(optional)
Power consumption (Max)	5W
Regulatory Approvals	
Converter Unit	FCC,CE,UL
Power Supply	UL,CE,FCC
Accessories Adapter	

AC Power Adapter	US standard, UK standard and so on
User Manual	

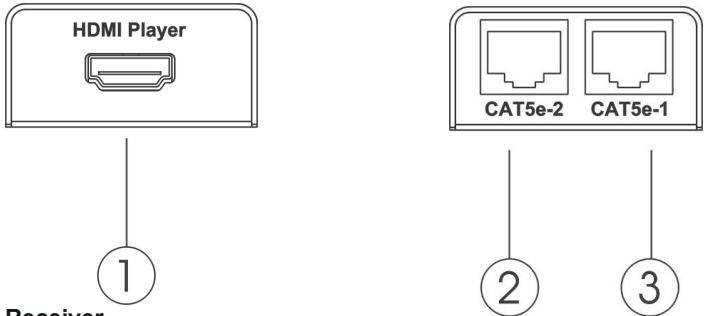
3.0 PACKAGE CONTENTS

Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

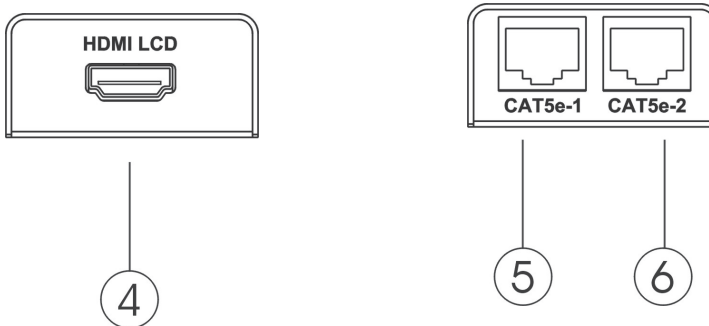
- 1) Main unit NO. 1 Sender
- 2) Main unit NO. 2 Receiver
- 3) 5VDC Power Supply.
- 4) User's Manual

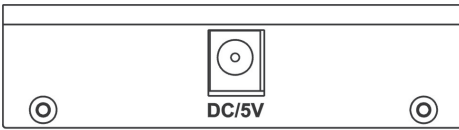
4.0 PANEL DESCRIPTIONS

Sender



Receiver





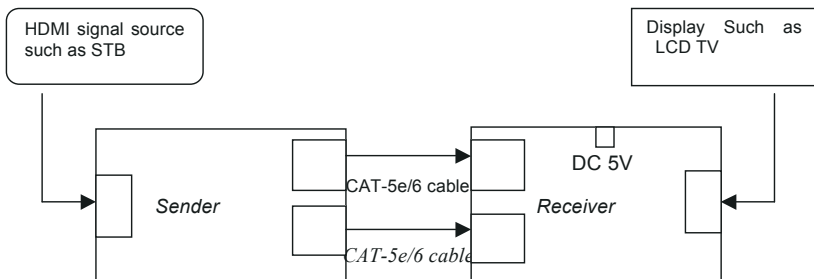
- 1) HDMI input.
- 2) CAT-5e output2.
- 3) CAT-5e output1.
- 4) HDMI output
- 5) CAT-5e input1
- 6) CAT-5e input2
- 7) Power Input

5.0 CONNECTION AND OPERATION

- 1) Connect the HDMI input sources such as: HD-DVD、PS3、STB etc.
- 2) Connect two CAT-5E cables to both the output of the sender and input of the receiver.
- 3) Connect the HDMI output(such as : HD-LCD、 HD-DLP)into receiver.
- 4) Insert the DC side of 5v power supply if the 5v of the source is not enough.

Attention: Insert / Extract cable gently.

5.1 CONNECTION DIAGRAM





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1-866-839-9187