

User Manual

Table of Contents

1.0 Introduction.....	1
2.0 Specifications.....	2
3.0 Package Contents.....	3
4.0 Panel Descriptions.....	3
5.0 Connection and operation.....	4

HDMI Extender by Cat5 x1

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

This HDMI Extender by CAT5 x1 uses one piece of UTP cable with cross stand inside to extend the HDTV display up to 50 meters for 1080p. It not only breaks the limitation of the HDMI cable transmission length , but also has more flexibility and convenience in cable construction.

It is equipped with HDMI (high definition multimedia interface) connector 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.

This product offers solutions for residential consumers: HDTV retail and show site, HDTV, STUB, 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 with cross stand inside, 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.
- One piece of CAT-5e/6 cable can substitute HDMI cable to achieve long distance transmission.
- Follow the standard of IEEE-568B.
- Transmission distance can be up to 50 meters for 1080p using UTP cable with cross stand inside.
- Auto-adjustment of feedback, equalization and amplify, the user does not need to care about the length of the cable.
- Compact size.
- 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.
- Supports uncompressed 2 channel audio such as LPCM

2.0 SPECIFICATIONS

Signal Inputs/Output	
Input Video Signal	0.5 -1.0 volts p-p
Output Video	HDMI
Video format supported	
DTV/HDTV	480i/576i/480p/576p/720p/1080i/1080P
Transmission distance	
UTP cable with cross stand inside	50M for1080p
Operating Frequency	
Video Amplifier Bandwidth	1.65Gpbs/165MHz
Vertical Frequency Range	50/60Hz
Resolutions(HDTV)	
Interlaced(50&60Hz)	480i,576i,1080i
Progressive(50&60Hz)	480p,576p,720p,1080p
Mechanical	
Size (L-W-H)	100×65×25.5MM
Weight (Net)	385G
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	
Power Supply	5V DC@2A
Power consumption (Max)	5W
Regulatory Approvals	
Converter Unit	FCC,CE,UL

Power Supply	UL,CE,FCC
Accessories	
AC Power Adapter	US standard, UK standard and so on
User Manual	English Version

Note: In order to achieve the high transmission quality, please choose the UTP cable with cross stand inside.

2: The cables with lower quality will not achieve the perfect transmission effect and long distance.

3: Theoretically the function of the product is normal when adopt short distance transmission.

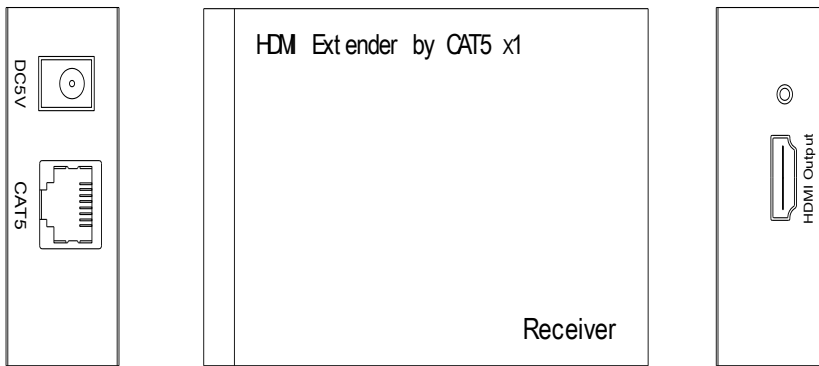
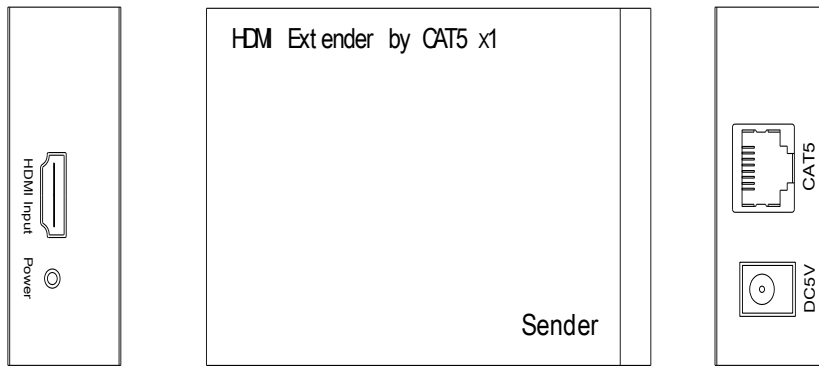
If the product cannot transmit long distance, this is to say, there are quality problems in the transmission cables.

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) Two pieces of 5VDC Power Supply.
- 4) User's Manual

4.0 Panel Descriptions



5.0 Connection and Operation

- 1) Connect the HDMI input source (such as HD-DVD, PS3, STB) to the Sender.
- 2) Connect one piece of CAT-5e/6 cable to both of the output of the Sender and input of the Receiver.
- 3) Connect the output of Receiver to display (such as HD-LCD、 HD-DLP)
- 4) Plug one power supply into the Sender and the other into the Receiver.

Attention: Insert / Extract cable gently.

5.1 CONNECTION DIAGRAM



P/N0007