HDMI over ONE CAT5E/CAT6

HDMI Extender

CHE-1

Operation Manual

C Comprehensive®
Cable and Connectivity Company

Introduction

The HDMI Extender over ONE CAT5E/CAT6 is a tool for extending your HDMI signal over long distances to a compatible display. Instead of using expensive HDMI cables, your existing CAT5E/CAT6 cables/sockets can be utilized to perform advanced functions like transferring Deep Color (12 bits/color) video and digital audio, with a bandwidth up to 225MHz. The HDMI Extender and receiver, over ONE CAT5E/CAT6 extender is your substantial HDMI extender tool.

Features

HDMI 1.3, HDCP 1.1 and DVI1.1 Compliant.

☐ Equalizes and recovers incoming TMDS data before re-transmitting it in optimal quality regardless of the incoming signal quality.

☐ Cable testing showed that with 1080p resolution the HDMI input source can be 20meters away.

☐ When transmitting a signal in 1080p resolution the CAT5E/CAT6 operating distance is 50 meters.

☐ Supports XVYCC

Specification

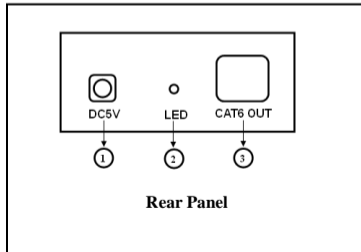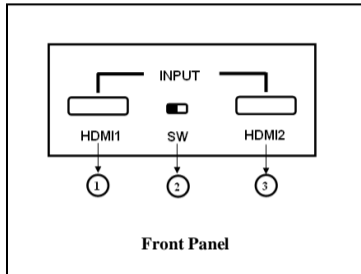|	
Frequency Bandwidth	2.25Gbps (single link)
HDMI Transmitter Input/Output Ports	2 x HDMI Female port/1 x CAT5E/CAT6
HDMI Receiver Input/Output Ports	1 x HDMI Female port/1 x CAT5E/CAT6
Power Supply	5V/1A DC
Warranty	2 Years Parts & Labor
Dimensions (mm)	65(W) X 100 (D) X 25 (H)
Chassis Material	Aluminum
Operating Temperature	0˚C ~ 40˚C / 32˚F ~ 104˚F
Storage Temperature	-20˚C ~ 60˚C / -4˚F ~ 140˚F
Relative Humidity	20~90% RH (non-condensing)

Operation Controls and Functions

1. HDMI Extender Transmitter

☐ **Front Panel**

1) HDMI1 :HDMI1 Input port.

2) SW: Switch the HDMI1 and HDMI2 input port.

3) HDMI2:HDMI2 Input port.

Rear Panel

1) Power: Plug the 5VDC power supply into the unit

and connect the adaptor to AC wall outlet.

2) LED indicator: When the DC5V power on, the

Indicator will be light.

3) CAT5E/CAT6 OUT: Connect the CAT5E/CAT6

output of the transmitter with the CAT5E/CAT6 input

Front Panel

Rear Panel
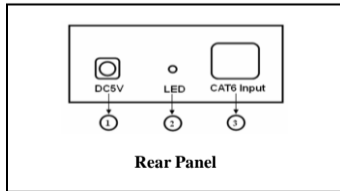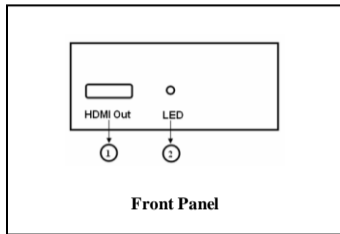
of the HDMI over single CAT5E/CAT6 receiver.
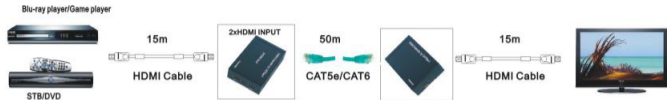
2. HDMI Extender Receiver

Front Panel

1) HDMI Out: HDMI output port.

2) LED indicator: When the HDMI input signal is locked,

the indicator will be light.

☐ **Rear Panel**

1) Power: Plug the 5VDC power supply into

the unit and connect the adaptor to AC wall outlet.

2) LED indicator: When the DC5V power on,

the indicator will be light.

3) CAT5E/CAT6 Input: Connect the CAT5E/CAT6 Input of the Receiver with the CAT5E/CAT6 output of the

HDMI over single CAT5E/CAT6 Transmitter.

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Connection and Installation

Package

Product	SUM(PCS)	Remark
HDMI Extender Transmitter	1	
HDMI Extender Receiver	1	
5V DC Power Supply adaptor	2	
Operation Manual	1	English