

MSP 315 Quick Start



- Extends HDMI at 1080 Full HD up to 150meters over to single CAT-6A or CAT-5e Cable
- Extends HDMI at 4K x 2K (3840 x 2160 @ 30Hz) up to 40 meters over one CAT-5e cable
- HDMI Features Supported: Ultra HD 4K x 2K (3840 x 2160 @ 30Hz), 1080p Full HD, 12-bit Deep Color, HDCP 2.2, LPCM 7.1 Audio, Dolby® TrueHD and DTS-HD Master Audio™ Pass-through
- Uses HDBaseT® Technology
- POE Technology
- Support Bidirectional IR Control

CONTENTS

Product Introduction.....	2
Packing Configuration.....	3
Hardware Orientation.....	4
MSP 315 HDMI Extender TX Panel.....	4
MSP 315 HDMI Extender RX Panel.....	6
Operation Manual.....	8
MSP 315 HDMI Extender TX.....	8
Function Block Diagram.....	8
MSP 315 HDMI Extender RX.....	8
Function Block Diagram.....	8
Operating Principle.....	9
Dial Switch Function.....	10
Instructions.....	10
Contact Information.....	11



Product Introduction

MSP 315 Extender for HDMI over one CAT5 / CAT6 consists of a Sender (MSP 315 Tx) and a Receiver (MSP 315 Rx) unit, MSP 315 supports resolution up to 4K x 2K (3840 x 2160 @30Hz) and 1080p Full HD, as well as the pass-through of HDCP and High Bit Rate (HBR) lossless audio formats such as Dolby® TrueHD and DTS-HD Master Audio™ .

3D content is supported when a 3D-capable display and 3D source are connected. DVI-D is also supported when used with HDMI to DVI adapters, providing greater flexibility and options when integrating several different commercial displays.

This Extender features RGBlink implementation of HDBaseT® Lite technology. Its uncompressed digital transmission method insures 100% signal integrity. The use of standard CAT-5e cable makes HDMI signal extension easier to install within a room or through walls. In addition, the MSP 315 Extender also supports bi-directional IR and 12V POE power supply to make it more easily and convenient.

System Connection

RGBlink offers solutions to demanding technical problems. Any application questions, or required further information, please contact with our customer Support Engineers.



MSP 315 HDMI Extender System Connection Diagram



Packing Configuration

Power Cord

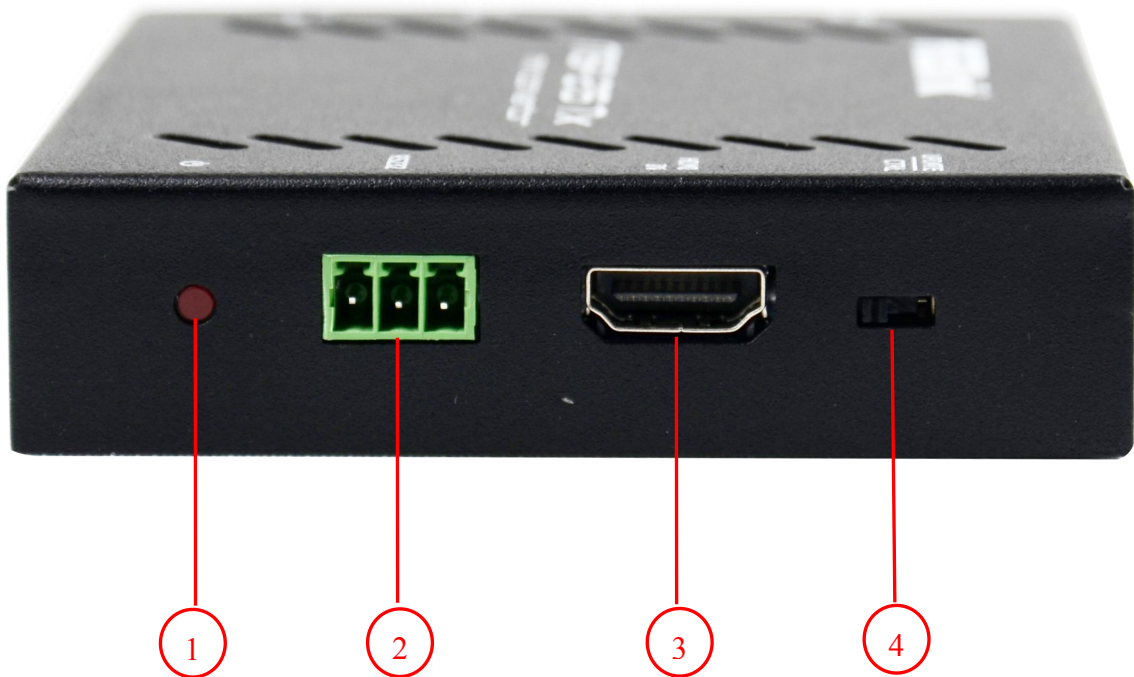


Certification

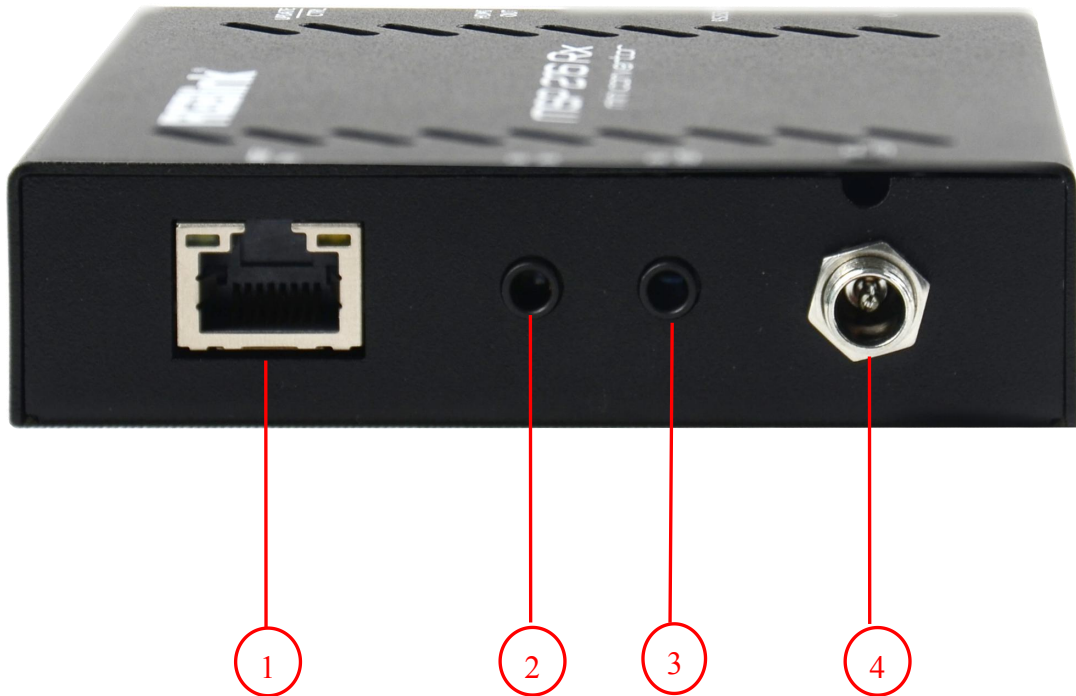


Hardware Orientation

MSP 315 HDMI Extender TX Panel

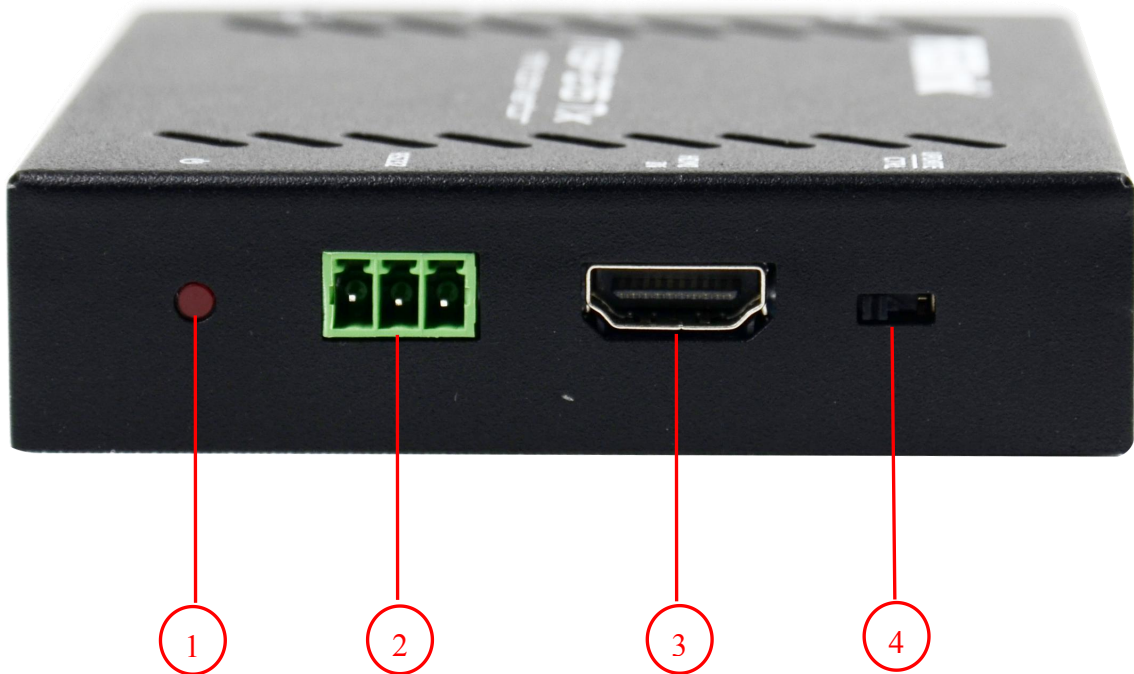


NO.	INTERFACE	NO.	INTERFACE
1	Power Indicator	3	HDMI Input Interface HDMI-A Port
2	RS232	4	CTRL/UPDATE

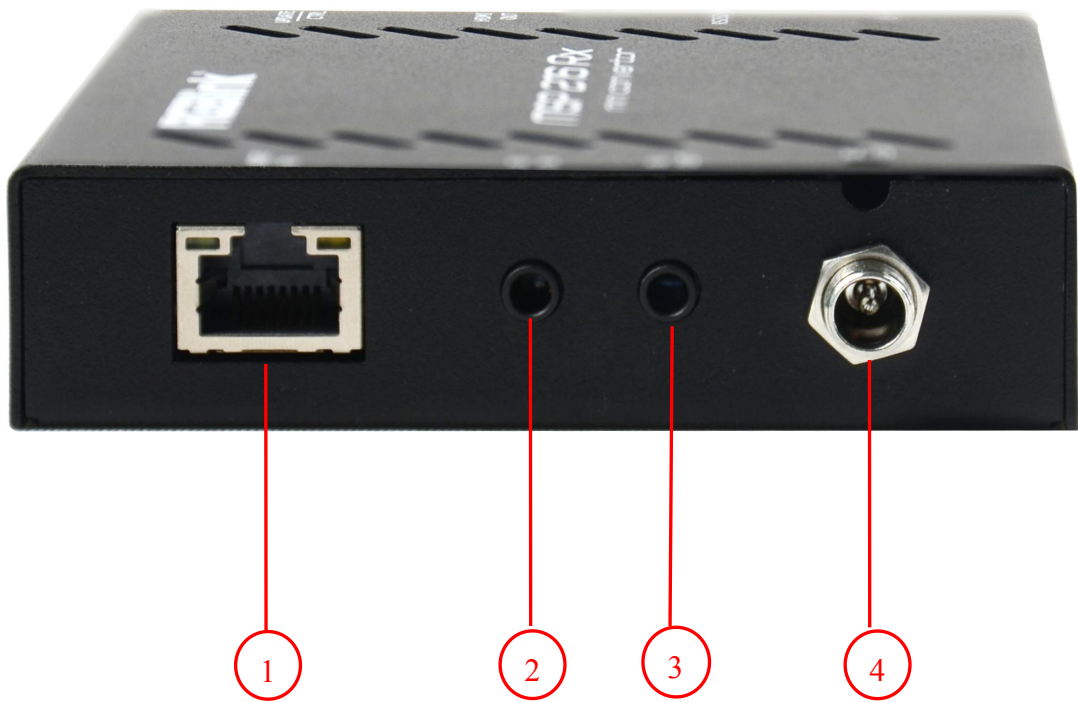


NO	INTERFACE	NO	INTERFACE
1	HDBaseT Output RJ45 Port	3	IR OUT
2	IR IN	4	CTRL/UPDATE

MSP 315 HDMI Extender RX Panel



NO.	INTERFACE	NO.	INTERFACE
1	Power Indicator	3	HDMI Output Interface HDMI-A Port
2	RS232	4	CTRL/UPDATE

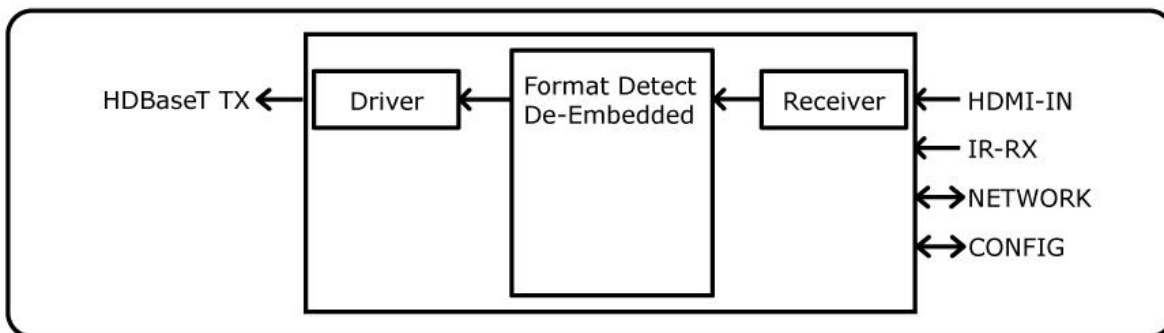


NO	INTERFACE	NO	INTERFACE
1	HDBaseT Input RJ45 Port	3	IR OUT
2	IR IN	4	CTRL/UPDATE

Operation Manual

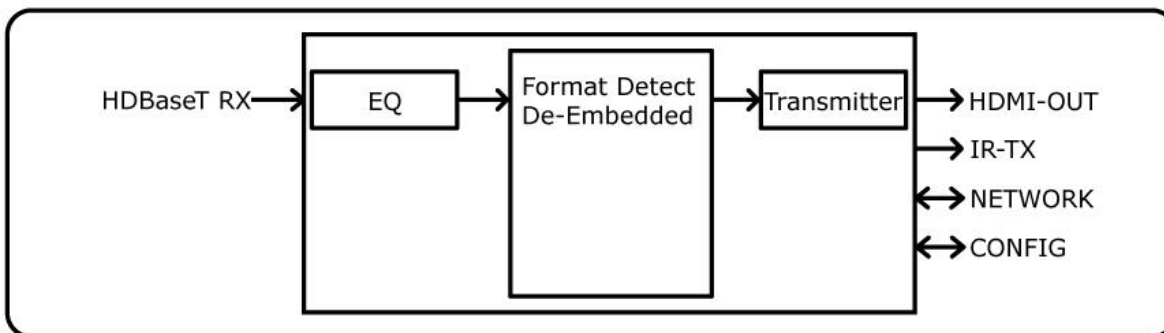
MSP 315 HDMI Extender TX

Function Block Diagram



MSP 315 HDMI Extender RX

Function Block Diagram



Operating Principle

Connect the output of signal sources such as computers to the "HDMI IN" of the MSP 315 HDMI extender TX with HDMI/HDMI-DVI cable; connect the "HDMI OUT" of the MSP 315 HDMI extender RX to display devices such as LED display/LCD/projector, or to video processors with HDMI/HDMI-DVI cable.

Connect the HDBaseT TX output port of MSP 315 HDMI Extender TX to the HDBaseT RX input port of MSP 315 HDMI Extender RX with single CAT5 or CAT6 cable.

MSP 315 Extender provides bidirectional IR control, connecting as needed: one transmitter connects to the IR receiver, the other transmitter connects to the IR transmitter, or both the IR receiver and the IR transmitter;

Connect the RS232 control device to the RS232 interface of any transmitter (either transmitter or receiver, the data is bidirectional) and the RS232 interface of the controlled device to the RS232 interface of another transmitter

A 12V 1A adapter is connected to the 12V power port of the transmitter or receiver, or to the 12V power port of the transmitter and receiver.

It is recommended to use universal T568B twisted pair with direct twisted pair.



Dial Switch Function



Instructions

Operations are as follows : The dial switch upwards is UPDATE, for updating the MSP 315 ;
The dial switch downwards is CTRL, for connecting the MSP 315 and computer through the RS232 cable, and use software to control the MSP 315.

Contact Information

Warranty:

All video products are designed and tested to the highest quality standard and backed by full 3 years parts and labor warranty. Warranties are effective upon delivery date to customer and are non-transferable. RGBlink warranties are only valid to the original purchase/owner. Warranty related repairs include parts and labor, but do not include faults resulting from user negligence, special modification, lightning strikes, abuse (drop/crush), and/or other unusual damages.

The customer shall pay shipping charges when unit is returned for repair.

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