

MSP 215 Quick Start



- Extends HDMI at 1080p Full HD up to 360 feet (110 meters) over one CAT-6A and up to 200 feet (60 meters) over one CAT-5e cable
- Extends HDMI at 4K x 2K (3840 x 2160 @ 30Hz) up to 130 feet (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, LPCM 7.1 Audio, Dolby® TrueHD and DTS-HD Master Audio™ pass-through
- Uses HDBaseT® Technology

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Product Introduction

MSP 215 Extender for HDMI over one CAT5 / CAT6 consists of a Sender (MSP 215 Tx) and a Receiver (MSP 215 Rx) unit, MSP 215 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™ .

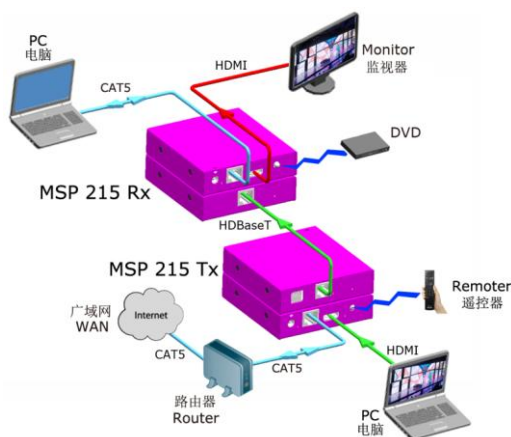
3D content is supported when a 3D-capable display and 3D source are connected. DVI-D is also supported when used with HDMI to DVI

adapters, providing greater flexibility and options when integrating several different commercial displays.

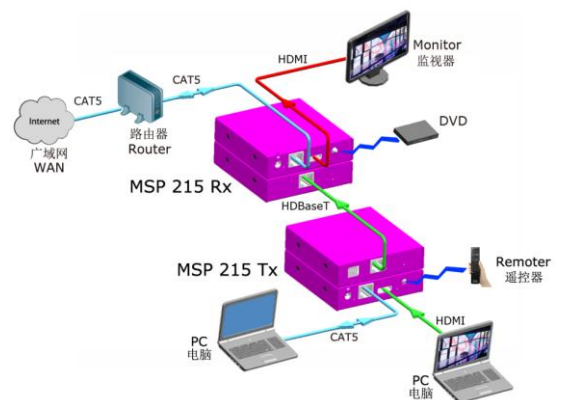
This Extender features RGBlink implementation of HDBaseT® Lite technology. Its uncompressed digital transmission method insures 100% signal integrity. The use of standard CAT-5e cable makes HDMI signal extension easier to install within a room or through walls.

System Connection

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



MSP 215 HDMI Extender System Connection Diagram 1



MSP 215 HDMI Extender System Connection Diagram 2

Packing Configuration

Power Cord

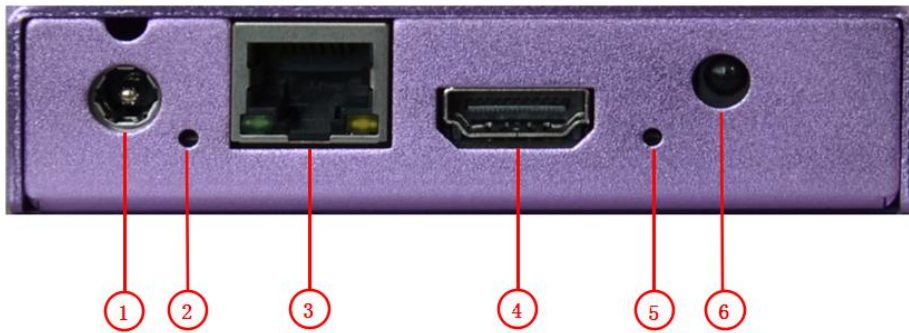


Certification

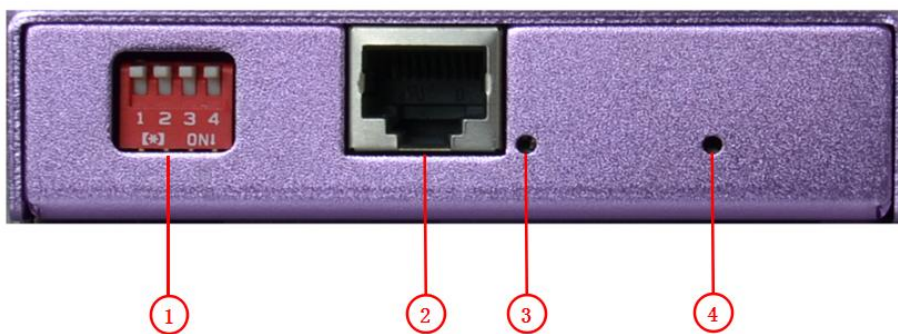


Hardware Orientation

MSP 215 HDMI Extender TX Panel

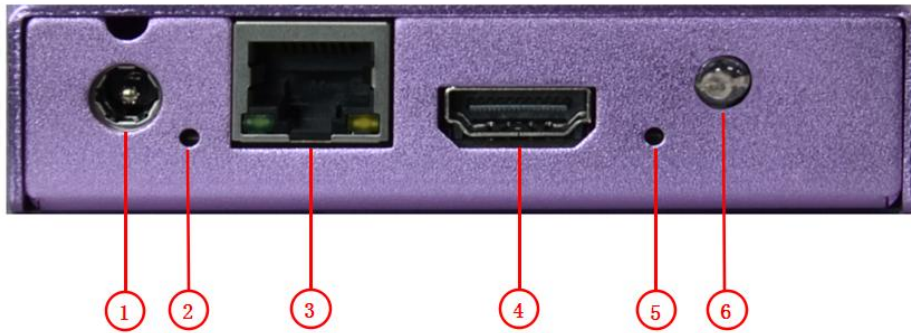


NO.	INTERFACE	NO.	INTERFACE
1	Power Interface 12V/3A	4	HDMI Input Interface HDMI-A Port
2	Power Indicator	5	Signal Indicator
3	Network Interface	6	IR-RX Interface



NO	INTERFACE	NO	INTERFACE
1	Dial Switch	3. 4	Indicator
2	HDBaseT Output RJ45 Port		

MSP 215 HDMI Extender RX Panel



NO.	INTERFACE	NO.	INTERFACE
1	Power Interface 12V/3A	4	HDMI Output Interface HDMI-A Port
2	Power Indicator	5	Signal Indicator
3	Network Interface	6	IR-TX Interface

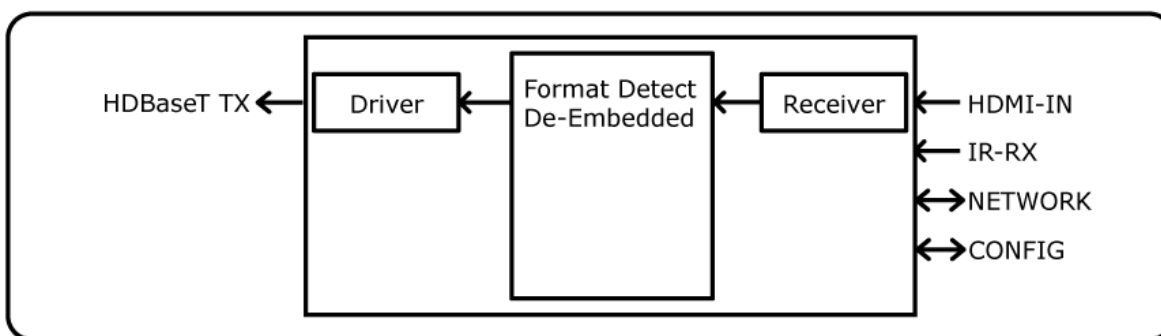


NO	INTERFACE	NO	INTERFACE
1	HDBaseT Input RJ45 Port	2. 3	Indicator

Operation Manual

MSP 215 HDMI Extender TX

Function Block Diagram



Operating Principle

Connect the computer with HDMI interface to the HDMI input port of MSP 215 HDMI Extender TX with HDMI cable. When input HDMI signal, the signal indicator flashes, and if input HDMI signal with HDCP, the signal indicator lights.

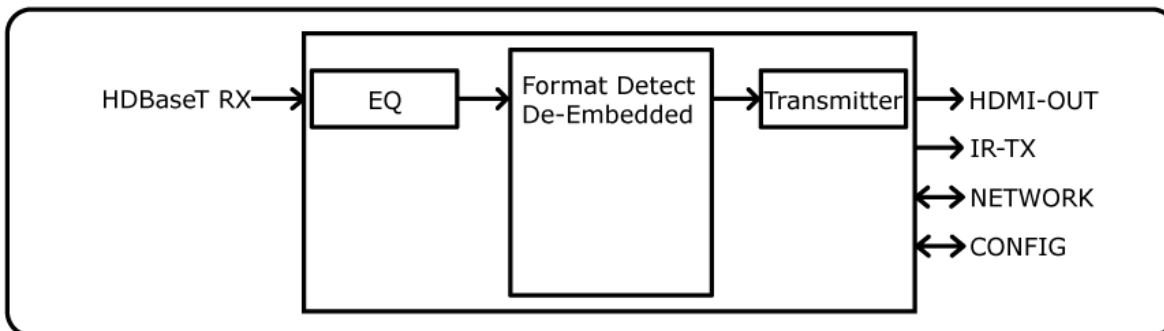
Connect the router to the network port of MSP 215 HDMI Extender TX with network cable. The device is in normal work if the green light in network port lights and the yellow light (also in network port) flashes. This is used for relay transmission.

Connect the HDBaseT TX output port of MSP 215 HDMI Extender TX to the HDBaseT RX input port of MSP 215 HDMI Extender RX with CAT5 or CAT6 cable. The indicator beside HDBaseT TX and HDBaseT RX port if the connection is normal.

In order to avoid the damage of device, please use the standard power adapter. The power indicator lights when device has power supply.

MSP 215 HDMI Extender RX

Function Block Diagram



Operating Principle

Connect the HDBaseT TX output port of MSP 215 HDMI Extender TX to the HDBaseT RX input port of MSP 215 HDMI Extender RX with CAT5 or CAT6 cable.

Connect the HDMI output port of MSP 215 HDMI Extender RX to the device with HDMI interface with HDMI cable. When output the HDMI signal, the signal indicator lights.

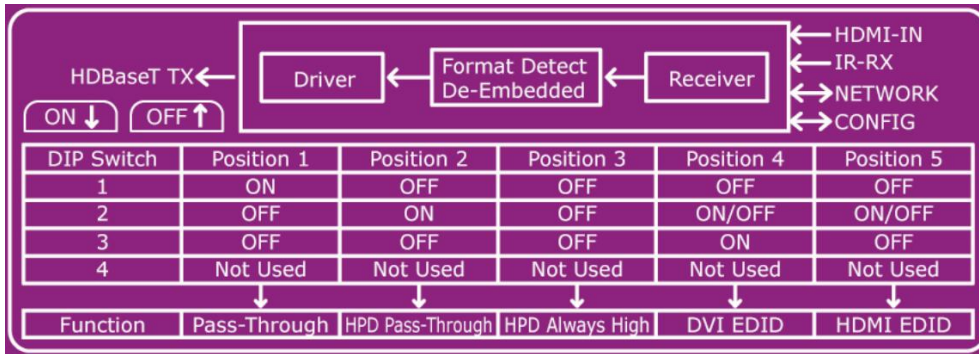
Connect the router to the network port of MSP 215 HDMI Extender RX with network cable. The device is in normal work if the green light in network port lights and the yellow light (also in network port) flashes. This is used for relay transmission. The indicator beside HDBaseT TX and HDBaseT RX port if the connection is normal.

In order to avoid the damage of device, please use the standard power adapter. The power indicator lights when device has power supply.

Dial Switch Function

Functional Description Block Diagram

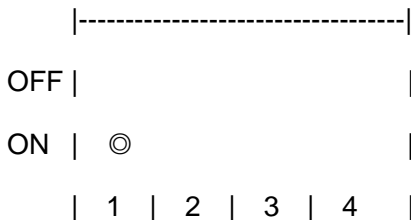
Following is the functional description block diagram:



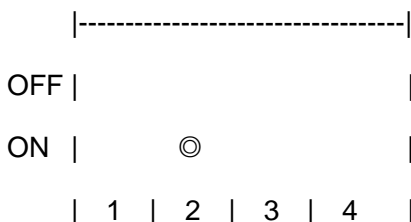
Instructions

The dial switch upwards is OFF, downwards is ON, operations are as follows:

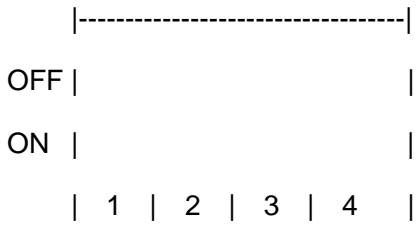
1. Pass-Through: Dial switch 1 is ON, and dial switch 2, dial switch 3, dial switch 4 are OFF.



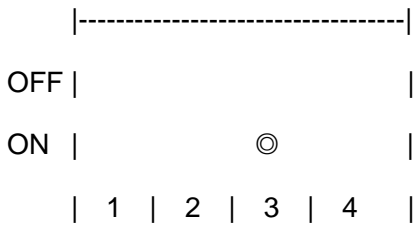
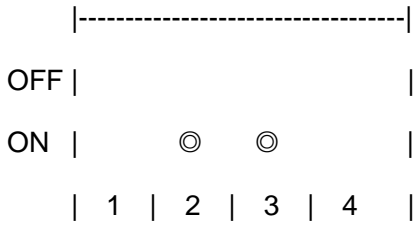
2. HPD Pass-Through: Dial switch 2 is ON, and dial switch 1, dial switch 3, dial switch 4 are OFF.



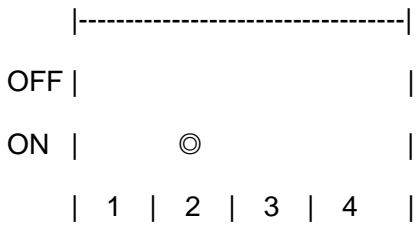
3. HPD Always High: Dial switch 1, dial switch 2, dial switch 3, and dial switch 4 are OFF.



4. DVI EDID: Dial switch 2 is ON or OFF, dial switch 3 is ON, and dial switch 1, dial switch 4 are OFF.



5. HDMI EDID: Dial switch 2 is ON or OFF, and dial switch 1, dial switch 3, dial switch 4 are OFF.



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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