



## HDMI Extender Set Full HD, 130 m



### Manual DS-55101

The Digitus HDMI Extender Set, Full HD offers an extender solution of up to 130 m for the highest demands. It is used to transmit digital video and audio signals to a maximum distance of up to 130 m (via CAT 6). The highest supported video resolution is 1080p / 60Hz. CAT 5, CAT 5E and CAT 6 network cables are supported. The package includes two infrared units (transmitter, receiver), which can be used for the remote control of the connected input source. LED display shows the connectivity.

## Important Safety Notice

Please read below safety instructions carefully before installation and operation:

1. Do not hot plug when it is working.
2. Do not mix up the transmitter unit (TX) and the receiver unit (RX), IR blaster extension cable and IR receiver extension cable before installation.

## Feature

1. Plug and play, without installation.
2. Include a transmitter unit (TX) and a receiver unit (RX), working as a pair.
3. Transmission distance up to 120m via CAT6 cable, 100m via CAT5E cable, 80m via CAT5 cable.
4. Support IR passback for remote control source device to receiver site easily.
5. Uncompressed and zero latency.
6. Support resolution is up to full HD 1080p@60Hz.
7. Compliant with CAT5/5e/6 for long distance transmission.

## Package Contents

- 1x HDMI Extender transmitter unit
- 1x HDMI Extender receiver unit
- 2x Power Supply Unit: DC 5V/1A
- 1x IR transmitter unit
- 1x IR receiver unit
- 1x Instruction manual

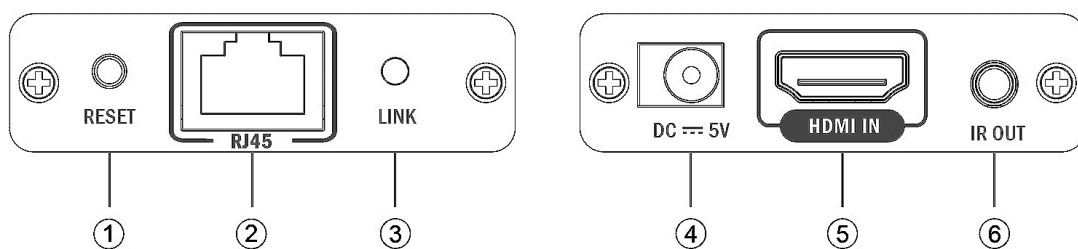
<b>Specification</b>		
<b>Power Supply</b>	Voltage/Current	DC5V/1A
	Power consumption	TX: 2W                      RX: <2W
<b>HDMI Performance and Interface</b>	HDMI compliance	HDMI1.3
	HDCP compliance	HDCP1.4
	HDMI resolution	720x576@50Hz, 720x480@60Hz, 1280x720@60Hz, 1920x1080@60Hz, 640x480@60Hz, 800x600@60Hz, 1024x768@60Hz, 1280x800@60Hz, 1280x1024@60Hz, 1440x900@60Hz, 1680x1050@60Hz
	Supports audio formats	PCM
	Maximum transfer rate	10.2Gbps
	Input and output TMDS signal	0.5~1.5Vp-p (TMDS)
	Input and output DDC signal	5Vp-p(TTL)
	Input cable length	≤8m (AWG24)
	Output cable length	≤8m (AWG24)
		CAT5
CAT5E		100m
CAT6		130m
<b>Protection Level</b>	Electrostatic protection of the whole machine	1a contact discharge level 3, 1b air discharge level 3, implementation of the standard: IEC61000-4-2
<b>Operating Environment</b>	Working temperature	0~60°C
	Storage temperature	-10~70°C
	Humidity (no condensation)	0~90%
<b>Body Properties</b>	Dimension	69.57(L) x 58.80 (W) x 16.10(H) mm
	Material	Aluminum alloy material + crystal panel
	Treatment process	Grit blast
	Color	Black
	Weight	TX: 70g,                      RX: 70g

## Installation Requirements

1. HDMI source device  
(Computer graphics card, DVD, PS3, HD monitoring equipment etc.).
2. HDMI display device like SDTV, HDTV, and projector with HDMI port.
3. UTP/STP CAT5/5e/6 cable, follow standard IEEE-568B.

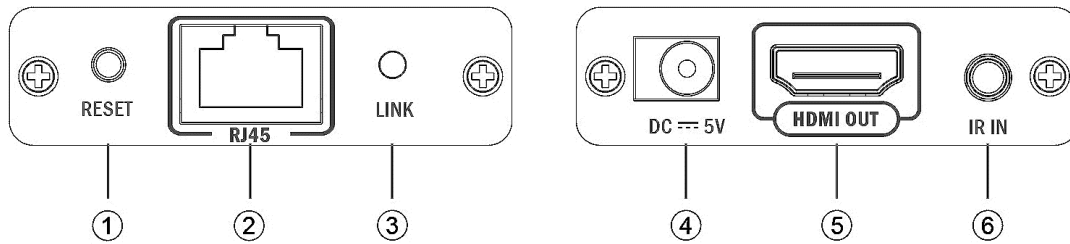
## Penal Description

### Transmitter unit (TX)



- |                              |  |
|------------------------------|--|
| 1) <b>Reset button</b>       | Restart the unit   |
| 2) <b>RJ45 signal output</b> | Connect with network cable   |
| 3) <b>LINK indicator</b>     | LED turns on all the time with HDMI signal transmission, flashes with no signal transmission |
| 4) <b>Power input</b>        | Connect with DC5V1A power adapter  |
| 5) <b>HDMI signal input</b>  | Connect with source device   |
| 6) <b>IR signal output</b>   | Connect with IR blaster extension cable  |

## Receiver unit (RX)



- |                              |  |
|------------------------------|--|
| <b>1) Reset button</b>       | Restart the unit   |
| <b>2) RJ45 signal input</b>  | Connect with network cable   |
| <b>3) LINK indicator</b>     | LED turns on all the time with HDMI signal transmission, flashes with no signal transmission |
| <b>4) Power input</b>        | Connect with DC5V1A power adapter  |
| <b>5) HDMI signal output</b> | Connect with display device  |
| <b>6) IR signal input</b>    | Connect with IR receiver extension cable   |

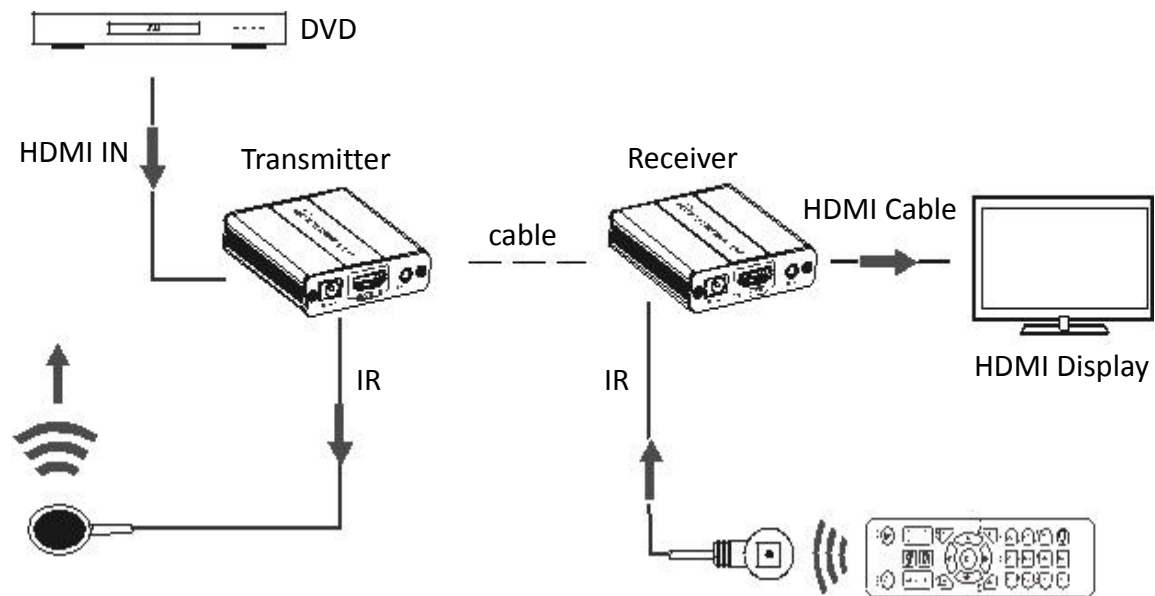
## Installation and Connection

### A. How to make a CAT5/5E/6 network cable Follow the standard of IEEE-568B:

1. White and Orange
2. Orange
3. White and Green
4. Blue
5. White and Blue
6. Green
7. White and Brown
8. Brown



## B. Connection



## C. Connection

- 1) Connect source device to Transmitter unit (TX), and display device to Receiver unit (RX) via HDMI cables
- 2) Connect Transmitter unit (TX) and Receiver unit (RX) via network cables (CAT5, CAT5e or CAT6)
- 3) Plug the power supply to Transmitter and Receiver unit, each unit will power up then initialize itself, this HDMI extender works

## D. IR User Guide

- 1) IR blaster extension cable should plug in the IR OUT port of TX (Transmitter) unit of HDMI extender, and the IR receiver extension cable should plug in the IR IN port of the RX (Receiver) unit.
- 2) The emitter of IR blaster should as close as possible to the IR receiver window of the signal source device.
- 3) Using the IR remote controller of the signal source device towards the IR receiver (connected to the RX), to remote control source media playback.

• **FAQ**

**Q:** No image output?

**A:** 1) Check and make sure all cables are connected well;  
2) Restart the TX/RX by “RESET” button.

**Q:** RX “LINK” indicator is flashing all the time?

**A:** 1) Make sure network cable connection follows the standard of IEEE568B;  
2) Check whether transmitter has HDMI signal input;  
3) Reset transmitter and receiver and reconnect.

**Q:** Receiver “LINK” led lights on all the time but no image output?

**A:** 1) Make sure the monitor supports the current HDMI signal mode  
2) Make sure HDMI cable is well connected with TV  
3) Make sure the network cable is fine copper wires.

This is a Class A product. In home environment, this product may cause radio interference. In this case, the user may be required to take appropriate measures.

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