



4K HDMI Extender Set, HDBaseT™, 4K/30Hz, 70 m



Quick Installation Guide
DS-5550 Rev.3

Table of Contents

1. Introduction.....	3
2. Product Features	3
3. Package Content.....	3
4. Specification	4
5. Penal Description.....	5
6. Connection.....	6
7. Installation Requirements	7
8. Troubleshooting.....	7

Important Safety Instructions:

Please read below safety instructions carefully before installation and operation:

- Please pay attention to all the warnings and hints on this device.
- Do not expose this unit to rain, moisture and liquid.
- Do not put any stuff into the device.
- Do not repair or open this device without professional people's guidance.
- Make sure good ventilation openings to avoid product overheating damage.
- Shut off power and make sure environment is safe before installation.
- Do not plug-in/out the connected cables when it is in using.
- Make sure the specification matched if using 3rd party DC adapters.

1. Introduction

The DIGITUS 4K extender set, HDBaseT™ offers an extender solution up to 70m for the highest demands - for both high-definition graphic display and also for absolutely fluent video playback. It transmits digital and audio signals up to a maximum distance of up to 70m. 4K content can be transmitted over up to 40m using a CAT 6 network cable. It consists of a transmitter as well as a receiver unit. Two bi-directional infrared units (sender, receiver) are also supplied, by means of which the remote control of the connected input source can be used.

2. Product Features

- Extends the maximum length for HDMI cables to up to 70m whereby only a simple network cable is used between a sender and a receiver unit
- Extends 4K video contents to up to 40m with a CAT 6 cable
- Offers simple and quick distribution for HDMI video signals - position your monitors wherever you wish
- Supports 4K Ultra HD (30Hz), 4096 x 2160p resolution
- Uses HDBaseT™ 1.0 technology

3. Package Content

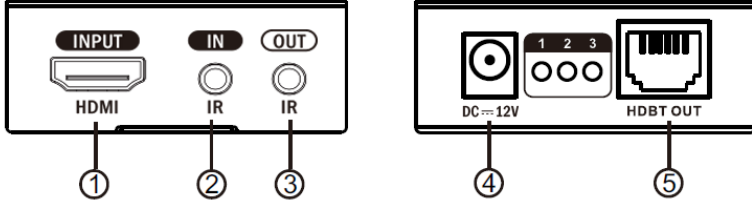
- 1x HDMI Extender transmitter unit
- 1x HDMI Extender receiver unit
- 2x Power supply unit: DC 12V/2A
- 1x IR transmitter unit
- 1x IR receiver unit
- 2x Mounting Sets & Screws
- 1x Instruction manual

4. Specification

Items	Specifications		
70m HDBaseT™ Extender			
HDMI signal	4Kx2K, compatible with HDCP, support CEC and 24bits deep color		
Resolution Supported	480i/480P/576i/576P/720P/1080i/1080P/3D/4Kx2K		
Audio	LPCM, DTS Digital, Dolby Digital		
Network cable	CAT5E/CAT6/CAT6A/CAT7		
Transmission length	CAT5E/ CAT6	60m	UP to 1080P@60Hz 36bpp
		35m	1080p@60Hz 48bpp, 1080p@60Hz 3D, 4Kx2K@ 30Hz/60Hz video formats
	CAT6A/ CAT7	70m	UP to 1080P@60Hz 36bpp
		40m	1080p@60Hz 48bpp, 1080p@60Hz 3D, 4Kx2K@ 30Hz/60Hz video formats
Infrared back	Support 20~60kHz wide frequency devices and Bi-directional IR transmission		
Power supply	DC12V/2A x 2pcs		
Power consumption	< 8W		
Product dimension	98.5 (L) x 63 (W) x 23 (H) mm x 2pcs		
Enclosure material	Metal		
Color	black		

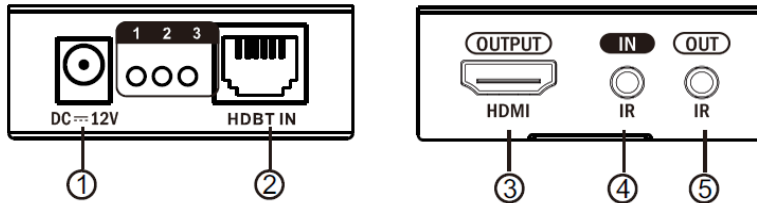
5. Penal Description

HDMI to HDBaseT™ TX Sender



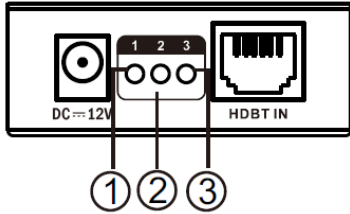
- ① HDMI IN: HDMI signal input to connect with HDMI source device.
- ② IR IN: IR signal input to connect with IR receiver extension cable.
- ③ IR OUT: IR signal output to connect with IR blaster extension cable.
- ④ DC12V: Power input
- ⑤ HDBT OUT: HDBaseT™ signal output

HDBaseT™ to HDMI RX Receiver



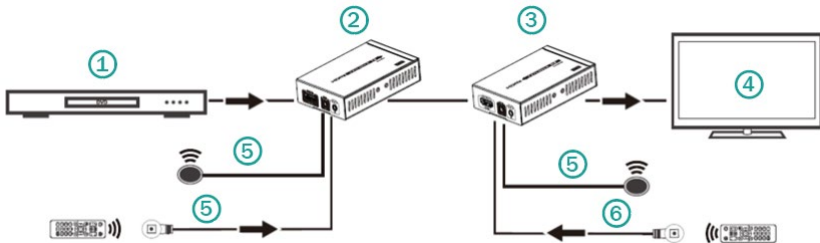
- ① DC12V: Power input
- ② HDBT IN: HDBaseT™ signal input
- ③ HDMI OUT: HDMI signal output to connect with HDMI display device.
- ④ IR IN: IR signal input to connect with IR receiver extension cable.
- ⑤ IR OUT: IR signal output to connect with IR blaster extension cable.

LED indicators working status



- ① It is lighting on with power on.
- ② It is lighting on when TX and RX are well connected.
- ③ It is lighting on when RX's HDMI OUT connects with HDMI display device and has HDMI signal output.

6. Connection



1	Source	4	TV
2	Sender	5	IR OUT
3	Receiver	6	IR IN

6.1 Bi-directional IR pass back

- It supports bi-directional IR pass back. User cans control DVD at TX end and control TV at RX end.
- If control at RX end, please connect IR blaster extension cable with IR OUT of TX and connect IR receiver extension cable with IR IN of RX. If control at TX end, please connect

IR receiver extension cable with IR IN of TX and connect IR blaster extension cable with IR OUT of RX.

7. Installation Requirements

1. HDMI source device
2. HDMI display
3. Network cables:
UTP/STP Cat5e/Cat6/Cat6A/Cat7 network cables are following the standard of

8. Troubleshooting

Problems	Causes	Solutions
Non-power-connected/ all LED off	Maybe the power supply is not connecting well or use the wrong power adapter	Please check if the power supply is connecting well and the output voltage value is correct as recommended
No sound or sound issues	Maybe the HDMI connection is not well; the audio format is not supported by the displays; the source player set another port to output audio	Please check if the HDMI cables are connecting well; if the audio format is supported by the displays, customers can change to the supported audio format or the player`s audio output is setting HDMI audio output or not
No picture or picture flicker	Maybe the HDMI cable quality and UTP cable quality	Please check if the HDMI and UTP connection is well or change another

	is not good enough or not connecting well	good quality HDMI 1.4 standard HDMI cable or UTP (CAT5e/CAT6 or higher is recommended) cable will solve the issue.
--	---	--

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.

Hereby ASSMANN Electronic GmbH declares that the Declaration of Conformity is part of the shipping content. If the Declaration of Conformity is missing, you can request it by post under the below mentioned manufacturer address.

www.assmann.com

Assmann Electronic GmbH

Auf dem Schüffel 3

58513 Lüdenscheid

Germany

