



# HDMI<sup>®</sup> HDBaseT<sup>™</sup> 2.0 KVM EXTENDER SET, 100 m



**Manual**  
**DS-55505**

# Introduction

With the DIGITUS® HDMI® HDBaseT™ 2.0 KVM Extender Set, you can control your source device at a distance of up to 100 meters using a single CAT6A/7/8 cable connection with uncompressed 4K-HDMI™ video content and access to up to 6 connected USB devices. This extender was specially developed for smooth and easy setup. HDBaseT™ 2.0 enables installation using a single cable, avoiding the laborious relocation of multiple cables. A typical application would be a multi-room solution in which the source device and display can be at a distance of up to 100 m. From the receiver, you can use up to 6 USB devices that are connected to the transmitter module, and of course you can enjoy video and audio content. A very easy KVM functionality when it comes to installation and application. Instead of relocating multiple cables, use a single RJ45 network cable or the existing network connections (point-to-point) with the HDMI® HDBaseT™ 2.0 Extender from DIGITUS®.

# Package Content



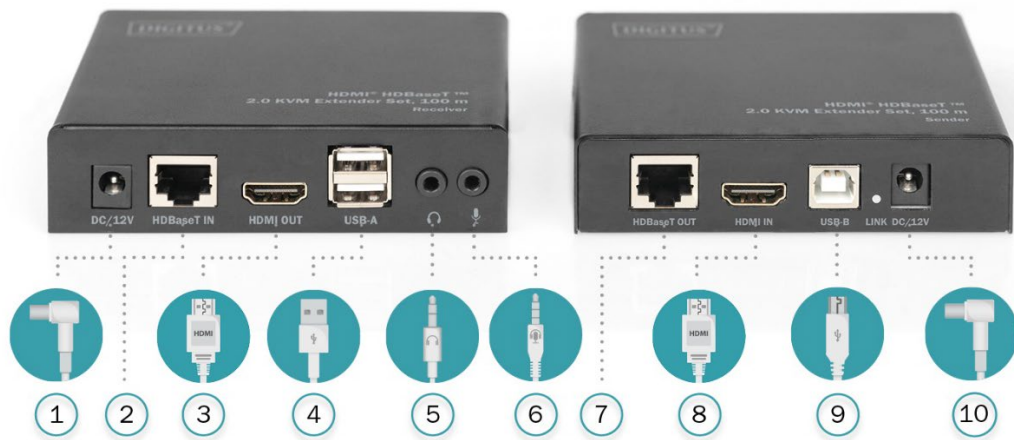
- ①. 1 x HDMI® HDBaseT™ 2.0 KVM Extender Set
- ②. 4 x Installation bracket for wall mounting
- ③. 2 x Power adapter 12 V / 2 A
- ④. 1 x USB Connection cable 1.5 m

# Ports and Interfaces

**RX (Receiver)**

**TX (Sender)**

**Front:**



**Back:**

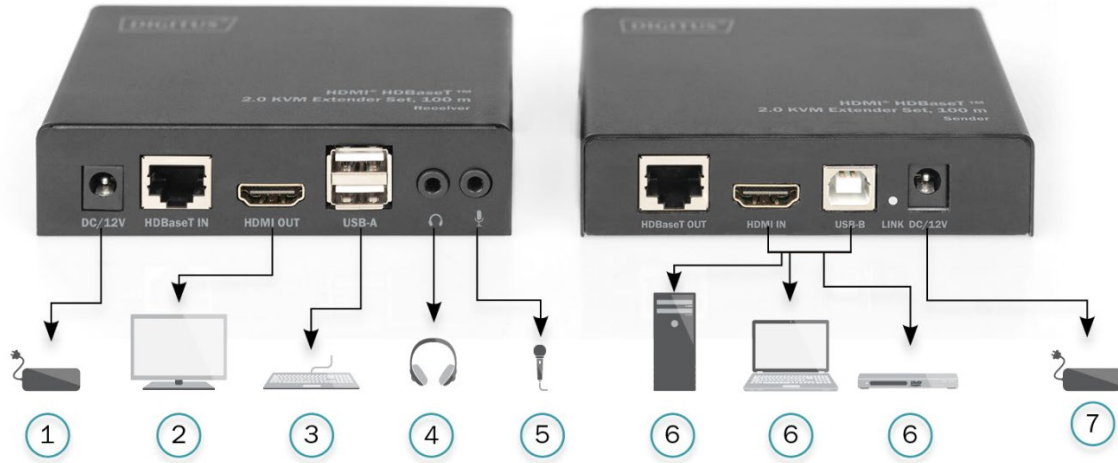


1. DC 12V: DC 12V In
2. HDBaseT IN: Standard HDBaseT Signal Input Port. Connect HDBaseT Receiver with a Cat5e/6/7 Cable.
3. HDMI OUT: Connect to an HDMI Equipped TV/monitor
4. USB Type A: Connect to USB peripheral devices such as printer, keyboard, mouse, U-disk etc.
5. Earphone: Connect to Stereo Audio output Device
6. Microphone: Connect to Microphone Audio input Device
7. HDBaseT OUT: Standard HDBaseT Signal Output Port. Connect HDBaseT Receiver with a Cat5e/6/7 Cable.
8. HDMI IN: Connect to Input Sources via HDMI Male Input Port
9. USB Type B: Connect from PC or Laptop for data transmit to or control from the Receiver's USB-A slots.
10. DC 12V: DC 12V In
11. USB Type A: Connect to USB peripheral devices such as printer, keyboard, mouse, U-disk etc.
12. Power: Power LED Indicator
  - Link:
  - No Connection: Keep Lighting off
  - Get Connection: Keep Lighting on
  - HDCP:
  - Signal with HDCP: Keep Lighting on
  - Signal with No HDCP: Flash Quickly

## Features

- Transmit high-resolution multimedia content without a loss of quality and uncompressed over distances of up to 100 m
- Saves unnecessary cable relocation and pools multimedia signals along with many other signals in a single network cable
- Forwarding without loss of quality through transmission of uncompressed data
- Supports HDBaseT™ 2.0 via CAT6A/7/8 cable up to 100 m
- Supports transmission of video, audio, and USB signals via network cable
- Supports Full 3D, 1080p, 4K@60Hz (YUV 4:2:0)
- Supports USB 2.0 features (HighSpeed) for up to 6 USB devices
- Supports CEC (Consumer Electronics Control)
- Supports uncompressed audio transmission (LPCM7.1)
- Supports compressed audio transmission (DTS, Dolby Digital incl. DTS-HD Master Audio™ and Dolby TrueHD)

# Connection Diagram



- ①. Adapter
- ②. TV
- ③. Keyboard
- ④. Audio
- ⑤. Mic

- ⑥. PC or DVD or Laptop
- ⑦. Adapter



- ⑧. Mouse
- ⑨. Camera

## Specification

Inputs	1 x HDMI®, 1 x USB B
Outputs	1 x HDMI®, 6 x USB A
HDMI® bandwidth	10.2 Gbps
HDCP version	2.2
HDMI version	1.4
Color depth	36-bit total (12-bit per channel) Uses HDBaseT™ 2.0 technology (VS2310)
Support	<ul style="list-style-type: none"> <li>• Supports Full 3D, 1080p, 4K@30/60Hz</li> <li>• Supports sub-sampling: 4:2:0</li> <li>• Supports HDBaseT™ 2.0 via CAT6A/7/8 cable up to 100 m</li> <li>• Supports USB 2.0 features (Hi-Speed)</li> <li>• Supports CEC (Consumer Electronics Control)</li> <li>• Supports uncompressed audio transmission (LPCM7.1)</li> <li>• Supports compressed audio transmission (DTS, Dolby Digital incl. DTS-HD Master Audio™ and Dolby TrueHD)</li> <li>• Supported resolutions (interlaced): 480i, 576i, 1080i</li> <li>• Supported resolutions (progressive): 480p, 576p, 720p, 1080p, 4K (4096x2160@24Hz, 3840x2160@60/30Hz)</li> </ul>
Operating temperature	0 °C to +40 °C
Operating humidity	5% to 90% RH (non-condensing)
Power consumption transmitter	3 W
Power consumption receiver	7 W
Power adapter	Input: 100 - 240 V AC / 0.65 A – Output: 12 V / 2 A
Cable length power adapter	1.2 m
Dimensions transmitter	W 13 x D 10 x H 2.5 cm
Dimensions receiver	W 11 x D 8 x H 2.8 cm
Weight	212 g (transmitter), 240 g (receiver)
Housing	Metal

**Note: Specifications are subject to change without notice.**

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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