DIGITUS®

8K HDMI Splitter, 1x2

Quick Installation Guide
DS-55339

1. Introduction

The DIGITUS® HDMI Splitter splits/reflects your HDMI device's audio and video signals on 2 TVs, monitors or projectors with a resolution of UHD 8K/60 Hz. Audio signals can also be decoupled and separately reproduced via Toslink or 3.5 mm stereo connection. Using the EDID changeover switch, settings can be adjusted to fit the connected display.

2. Main Features

- Distributes an HDMI signal onto 2 TVs/monitors/projectors
- Audio extractor: Toslink / Stereo (3.5 mm)
  – Decoupling and separate reproduction of the audio signal
- EDID management
- Max. resolution: 8K/60Hz (4:4:4)
- Video bandwidth: 48 Gbps
- Supports High Dynamic Range (HDR)
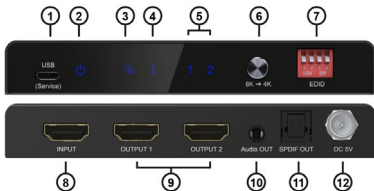- Supports HDCP 2.3
- Supports Deep Color (36-bit)
- HDMI 2.1

3. Package Content

- 1x HDMI Splitter
- 1x Power adapter (5V/2A, 1.2 m)
- 1x QIG

4. Technical Features

Input Ports	HDMI x 1
Output Ports	HDMI x 2
Vertical Frequency Range	50/60Hz
Video Amplifier Bandwidth	12Gbps/1200MHz per channel (48Gbps all channels)
Interlaced (50&60Hz)	480i, 576i, 1080i
Progressive (50&60Hz)	480p,576p,720p,1080p,4K@24/30 Hz,4K@50/60/120Hz, 8K@24/30/50/60Hz
Operating Temperature	0℃ to 70℃
Storage Humidity	5% to 90% RH non-condensation
Power Consumption (Max)	5W
Dimensions (LxWxH)	122 x 70.6 x 18 mm
Weight	193g

5. Panel Description

1.)	**USB (service):** For factory use only
2.)	**Power LED**
3.)	LED indicator for downscaler mode
4.)	HDMI input LED indicator
5.)	**1-2:** LED indicator for HDMI output 1-2
6.)	**8K→4K:** Downscaler mode selection button: ON is in downscaler EDID mode, which can downscale the 8K input resolution to 4K or 1080p via the UHD (4K) or FHD (1080p) screen with fixed connection to output 2.
7.)	**EDID:** DIP switch for copying output 1 EDID and fifteen standard EDID modes
8.)	**INPUT:** HDMI input

9.)	**OUTPUT 1-2:** HDMI output
10.)	**Audio output via 3.5mm cable**
11.)	**Audio output via SPDIF cable**
12.)	**DC/5V:** DC 5V input

6. Supported formats

- Support full 3D video format
- Support high-definition resolution 8K@60Hz 4:4:4, 4K@120Hz and 1080P@240Hz
- Support 1200MHz/12Gbps per channel bandwidth (48Gbps all channels)
- Support 12bit per channel (48bit all channels) deep color
- Support HDCP 2.3, and back compatible with the HDCP2.2 and HDCP1.4
- Support High Dynamic Range (HDR) video pass-through, such as HDR10/HDR10+/Dolby vision etc.
- Support Consumer Electronics Control function (Output 1 only)
- Support uncompressed audio such as LPCM
- Support compressed audio such as DTS, Dolby Digital (including DTS-HD Master Audio and Dolby TrueHD)
- Support EDID management for copy output1 EDID and fifteen default EDID modes

Note:

1. If you would like to output 8K@60Hz,4K@120Hz and 1080P@240Hz via the switcher in your displays, please make sure your source devices, your cable and your monitors can all support the resolution and refresh rate you need to output before
2. You need connect standard HDMI-compatible 2.1 cable to enjoy 8K visual effects
3. If you would like to output 8K@60Hz 4:4:4, please use the copy mode and ensure the source or the TV supports the DSC function
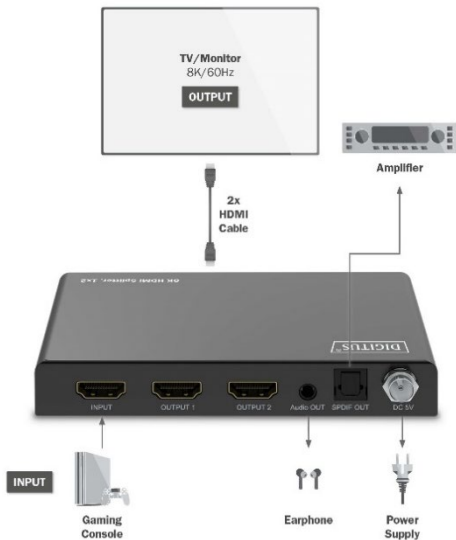
 ↓=HIGH ↑=LOW

Binary Code	1 2 3 4	EDID Setting Description
0000	↑ ↑ ↑ ↑	Copy EDID from HDMI Output1
1000	↓ ↑ ↑ ↑	8Kx4K@60 4:2:0/8Kx4K@30 4:4:4/4Kx2K@120Hz 4:4:4, 48G, HDR10, 2CH AUDIO
0100	↑ ↓ ↑ ↑	8Kx4K@60 4:2:0/8Kx4K@30 4:4:4/4Kx2K@120Hz 4:4:4, 48G, HDR10, DOLBY/DTS 5.1
1100	↓ ↓ ↑ ↑	8Kx4K@60 4:2:0/8Kx4K@30 4:4:4/4Kx2K@120Hz 4:4:4, 48G, HDR10, HD AUDIO
0010	↑ ↑ ↓ ↑	4Kx2K@60, 18G, HDR10, 2CH AUDIO
1010	↓ ↑ ↓ ↑	4Kx2K@60, 18G, HDR10, DOLBY/DTS 5.1

0110	↑ ↓ ↓ ↑	4Kx2K@60, 18G, HDR10, HD AUDIO
1110	↓ ↓ ↓ ↑	4Kx2K@60, 10.2G, HDR10, 2CH AUDIO
0001	↑ ↑ ↑ ↓	4Kx2K@60, 10.2G, HDR10, DOLBY/DTS 5.1
1001	↓ ↑ ↑ ↓	4Kx2K@60, 10.2G, HDR10, HD AUDIO
0101	↑ ↓ ↑ ↓	1080p, 2CH AUDIO
1101	↓ ↓ ↑ ↓	1080p, DOLBY/DTS 5.1
0011	↑ ↑ ↓ ↓	1080p, HD AUDIO
1011	↓ ↑ ↓ ↓	1280x720p@60 DVI
0111	↑ ↓ ↓ ↓	1920x1080p@60 DVI
1111	↓ ↓ ↓ ↓	4Kx2K@30, 10.2G, HDR, 2CH AUDIO

7. Connection Diagram

TV/Monitor
8K/60Hz
OUTPUT

Amplifier

2x
HDMI
Cable

DIGITUS

INPUT   OUTPUT 1   OUTPUT 2   Audio OUT   SPDIF OUT   DC 5V

INPUT

Gaming
Console

Earphone

Power
Supply

8. Troubleshooting

Q: Power light is off, and product is not working. How can I fix this?

A: First, please check the following items:

1. Ensure that your devices HDMI input and power supply are properly connected, and power is turned on.
2. Check the HDMI port of display, if it is selected and properly connected.

Q: My second display flickers when I use the splitter. What could be causing this?

A: This may be caused by one or more of the following:

1. Make sure the HDMI cable and splitter are securely connected.
2. make sure that the HDMI cable is an Ultra High Speed HDM 2.1 cable and the max. length is 1.5 m each for input and output at 8K/60Hz (4:4:4) | at 4K/60Hz the max. length is 4 m each for input and output.
3. Change to another port to check the display.
4. Change to another EDID mode to check the display.

Q: The splitter can`t output two 8K displays at the same time. Is it normal?

A: No, the product can output two 8K displays at the same time synchronously with the "auto" and "copy" mode. To ensure the connection, both displays need to support 8K resolution. If at the downscaler mode, the Output 1 will output 8K@60Hz 4:2:0 and the other Output 2 will output 4K or 1080p resolution which will fit to the connected display resolution.

Disclaimer

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.

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