# HDMI Video Splitter



**DS-41300**



**DS-42300**



**DS-43300**

# MANUAL

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# DIGITUS® HDMI SPLITTER

**Dear Customer**
Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

## 1.0 INTRODUCTION
The HDMI Amplifier Splitter are splitter with two, four or eight outputs. They distribute a HDMI input signal into identical outputs simultaneously. Thereby they have the ability of buffering and amplifying. Each output can achieve long distance transmission of HDMI signal of more than 15 meters. But please note, this depends also on the quality of the cable! The recommended max. length is 15 meter. When two or more products are cascaded, they can create a larger distribution and longer length. The splitter support HDCP and the real HDMI High Speed (1.3b). The video amplifier bandwidth can be up to 2.25 Gpbs/225MHz.
The HDMI Splitter offers solutions for HDTV retail and show site, HDTV, STB, DVD and Projector factory, noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

## 1.1 FEATURES
This HDMI Splitter has many features that enable it to perform in a superior manner. Among those features you will find:
- Easy to Use: Install in seconds, no need of setting.
- Cascaded: Large distribution achieved by cascading the HDMI Amplifier Splitter. (only for 2- and 4-port recommended)
- Supports highest video resolution 1080p.
- Supports 225MHz/2.25Gbps per channel (6.75Gbps all channel) bandwidth.
- Supports 12bit per channel (36bit all channel) deep color.
- Supports HDCP.
- Supports uncompressed audio such as LPCM
- Supports compressed audio such as DTS Digital, Dolby Digital（including DTS-HD and Dolby True HD）
- Support 3D all format, including 1080p@23.98/24Hz, 720p@59.94/60Hz/50Hz, bandwidth up to 225MHz.

## 2.0 SPECIFICATIONS (DS-41300 / DS-42300 / DS-43300)

| Signal Inputs/Output | |
|---|---|
| Input DDC Signal | 5 volts p-p (TTL) |
| Maximum Single Link Range | 1920X1080p |
| Output Video | HDMI + HDCP1.0/1.1 |
| **Operating Frequency** | |
| Vertical Frequency Range | 50/60Hz |
| Video Amplifier Bandwidth | 2.25Gbps/225MHz |
| **Resolutions(HDTV)** | |
| Interlaced(50&60Hz) | 480i,576i,1080i |
| Progressive(50&60Hz) | 480p,576p,720p,1080p |
| **Mechanical** | |
| Size(L-W-H) | 155x70x23mm - DS-41300<br>155x70x25mm - DS-42300<br>260x115x27mm - DS-43300 |
| Weight(Net) | 260g / 285g / 740G |
| **Warranty** | |
| Limited Warranty | 2 Year Parts and Labor |
| **Environmental** | |
| Operating Temperature | 0℃ to +70℃ |
| Operating Humidity | 10% to 85 % RH (no condensation) |
| Storage Temperature | -10℃ to +80℃ |
| Storage Humidity | 5% to 90 % RH (no condensation) |
| **Power Requirement** | |
| External Power Supply | DC 5V/2A / 5V/3A / 5V4A |
| Power consumption (Max) | 8W / 12W / 20W |
| **Regulatory Approvals** | |
| Converter Unit | FCC,CE,UL |
| Power Supply | UL,CE,FCC |
| **Accessories Adapter** | |
| AC Power Adapter | 1 |
| User Manual | 1 |

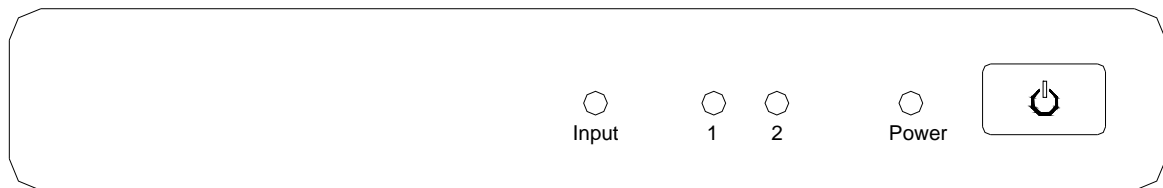**Note: Specifications are subject to change without notice.**

## 3.0 PACKAGE CONTENTS

Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:
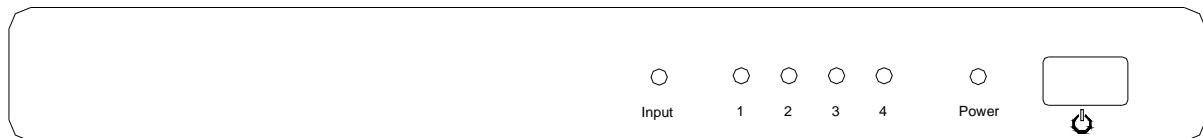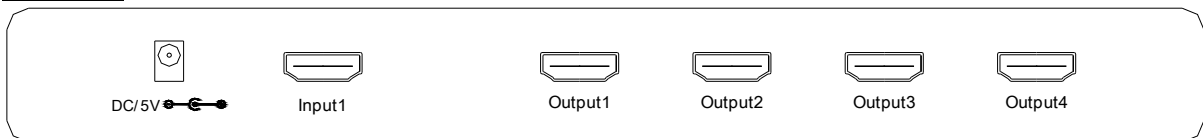
1) Main unit
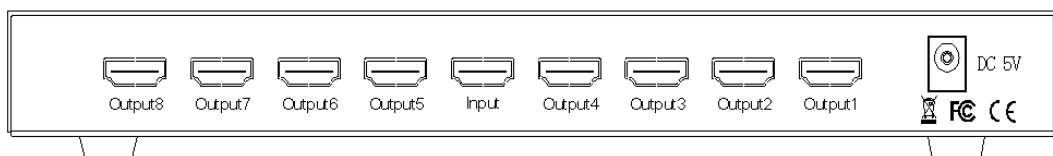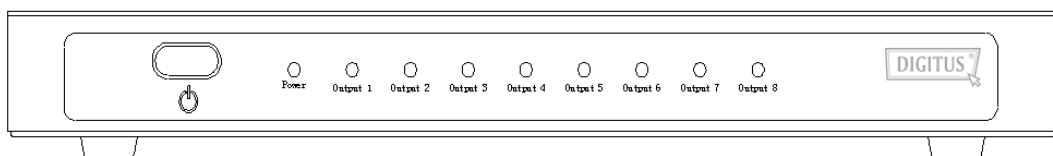2) 5V DC Power Supply.
3) User's Manual.

# 4.0 PANEL DESCRIPTIONS
DS-41300:

DC/5V   Input 1   Output1   Output2

Input   1   2   Power

DS-42300:

DC/5V   Input1   Output1   Output2   Output3   Output4

Input   1   2   3   4   Power

DS-43300:

Power   Output 1   Output 2   Output 3   Output 4   Output 5   Output 6   Output 7   Output 8   DIGITUS

Output8   Output7   Output6   Output5   Input   Output4   Output3   Output2   Output1   DC 5V

## 5.0 CONNECTION AND OPERATION

1) Connect the HDMI input source and output devices into the HDMI Splitter. (HDMI cables are optional)
   *please refer to the connection diagram section.
2) Insert the DC side of 5v power supply into it and then connect the AC side of the power supply into the wall outlet.
3) Turn on the power.

**Attention: Insert / Extract cable gently.**

## 5.1 CONNECTION DIAGRAM