

# DisplayPort 1in:4out Splitter

## - ID# 899



**Operation Manual**

## Introduction

The DisplayPort (DP) 1 by 4 splitter allows a single DP source to be displayed on four DP input monitors simultaneously. It supports video resolution up to 2560 x 1600 and audio up to PCM 7.1 Providing a fast switch time between source and display monitors by saving monitor EDID data to allow the image to display properly. The DP 1 by 4 splitter is an ideal device for your DP source to multi display requirements.

## Features

- Supports DisplayPort specification v1.1a
- Deep color video up to 12bit, resolution support up to 2560 x 1600
- Supports audio up to PCM 7.1(32-192kHz Fs sample rate)
- Supports pixel component format with RGB; YCbCr 4:2:2; YCbCr 4:4:4
- Color space conversion between RGB and YCbCr color space
- Supports 1.62/2.7 Gbps data rate (Low/High bit rate)
- Supports flexible 1/2/4 lanes configurations; Full 10.8Gbps data rate support (4lanes at 2.7Gbps)
- Supports EDID switch and setting

\*Note: This device supports only DisplayPort mode, it cannot connect DP to HDMI level shift convert.

## Applications

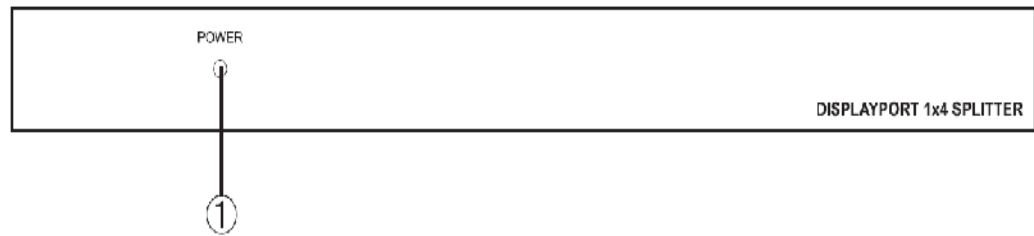
- Multi DisplayPort monitor display
- Information sharing
- Advertising program

## System Requirements

- DisplayPort output source equipment.
- DisplayPort input monitors.

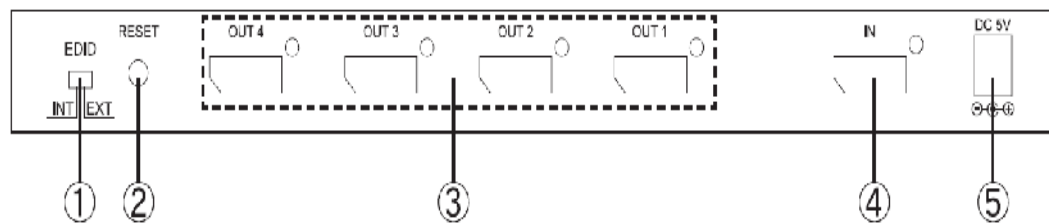
## Operation Controls and Functions

### Front Panel



**Power LED:** The LED will illuminate in green when power on and in red when in reset mode.

### Rear Panel



**1. EDID switch INT/EXT:** This switch allows user to select the built-in EDID (INT) or the display's EDID (EXT).

**Note:** When the EDID switch is on EXT, the unit will detect OUTput 1's display EDID and record in the unit. If the first elected OUTput 1 is not connected, it will pass to the next which is OUTput 2..... and so on until the display's EDID is recorded in the unit.

**2. RESET:** Press this button every time when switch the EDID allowing the device to update the EDID selection.

**3. DP OUT 1 ~ 4:** These slots are where you connect the DP cable or DP to DP cable to your DP/DP input displayer for displaying a single source on two screens simultaneously.

**4. DP IN:** This slot is where you connect the DP cable from the source equipment for signal sending.

**5. DC 5V:** Plug the adapter to the AC wall outlet for power supply to the device.

## STD Mode EDID Support Format

| Video Support |   |
|---------------|---|
| VGA           | • |
| 720p          | • |
| 2560x1440     | • |
| Audio Support |   |
| PCM 2CH 48K   | • |
| PCM 2CH 44.1K | • |
| PCM 2CH 32K   | • |

## Specifications

|                              |   |
|------------------------------|---|
| <b>Frequency Bandwidth</b>   | 10.8Gbps (4lanes at 2.7Gbps)  |
| <b>Audio Sampling Rate</b>   | 192kHz  |
| <b>Input port</b>            | 1 x Displayport   |
| <b>Output ports</b>          | 4 x DisplayPort   |
| <b>Power Supply</b>          | 5V / 3A DC (US/EU standards, CE/FCC/UL certified)                           |
| <b>ESD Protection</b>        | Human body model:<br>± 8kV (air-gap discharge)<br>± 4kV (contact discharge) |
| <b>Dimensions (mm)</b>       | 270(W) x 124.5(D) x 29(H)   |
| <b>Weight(g)</b>             | 770   |
| <b>Chassis Material</b>      | Aluminum  |
| <b>Silkscreen Color</b>      | Black   |
| <b>Power Consumption</b>     | 7W  |
| <b>Operating Temperature</b> | 0°C~40°C / 32°F ~ 104°F   |
| <b>Storage temperature</b>   | -20°C~60°C / -4°F ~ 140°F   |
| <b>Relative Humidity</b>     | 20~90% RH (non-condensing)  |

# Connection and Installation

