

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

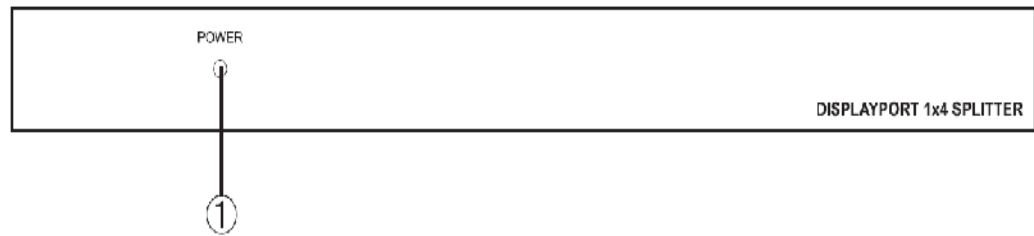
- Multi DisplayPort monitor display
- Information sharing
- Advertising program

System Requirements

- DisplayPort output source equipment.
- DisplayPort input monitors.

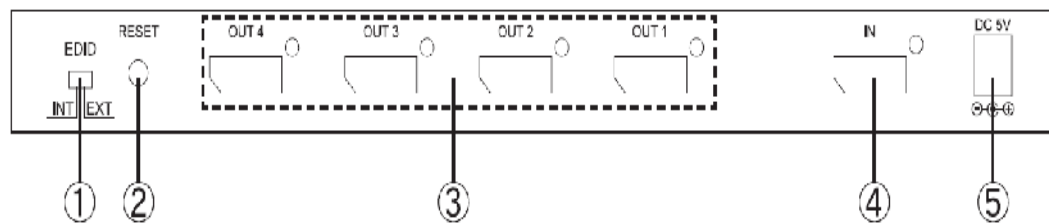
Operation Controls and Functions

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

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

Connection and Installation

