

# 1 by 3 Mini Display Port Extender Splitter - ID# 889



**Operation Manual**

## Introduction

For those who want to display large content the 1x3 Mini Display Port Extender Splitter is for you. Able to extend an image onto 2 or 3 displays, this device also allows you to split an image two or three times to connected displays while giving you a platform that is perfect for multi-tasking. This 1 by 3 Mini Display Port Extender Splitter allows users to enjoy images or video in HD resolution up to 1920 x 1200 on multiple monitors from a single digital output port. The 1 by 3 Mini Display Port Extender Splitter is a useful device for extending displays and splitting images.

## Features

- Supports DisplayPort v1.1a, VESA DDM Standard, HDCP v1.3 and EDID v1.4
- Supports link rates of 2.7Gbps (HBR) and 1.62Gbps (RBR)
- Fully HD compatible and provides full display performance with zero lag and no display limitations
- Does not require software updates
- Quality Lab (WHQL) testing/qualification
- Supports output resolutions up to 1920 x 1200
- Works with any desktop and notebook computer which has a DisplayPort output port
- Provides exceptional Secured Content Protection with HDCP 1.3 for digital content including video and audio
- Plug and Play

## Applications

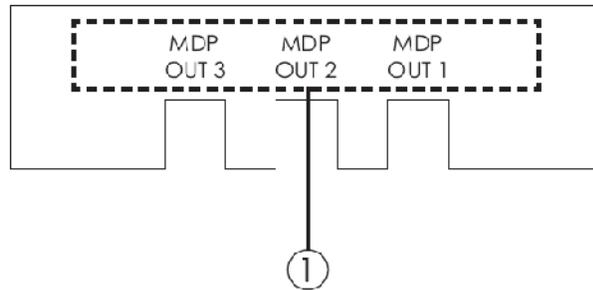
- Home & Office display
- Stock market
- Gaming market

## System Requirements

Input source equipment such as Apple, PC or any Mini Display Port output device with a Mini Display Port connection cable. Output display such as an Apple monitor or any Mini Display Port input display with Mini Display Port connection cable.

## Operation Controls and Functions

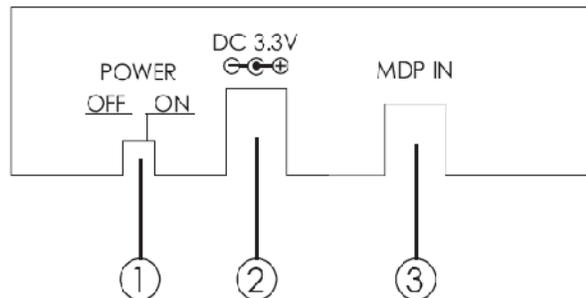
### Front Panel



① **MDP OUT 1~3:** Connect these slots with the output displays Mini Display Port input port in order to send a signal.

**Note:** It is suggested to use the same type/model of display in order to get optimal image quality. When the input source's timing is matched with the output display's timing, the device will first extend the image according to the specifications of the connected output display. If the input sources timing does not match the output display's timing the device will then split the signal to match the number of the connected display to show an identical image. (Detail information please refer to section 8. Timing table for monitors).

### Rear Panel

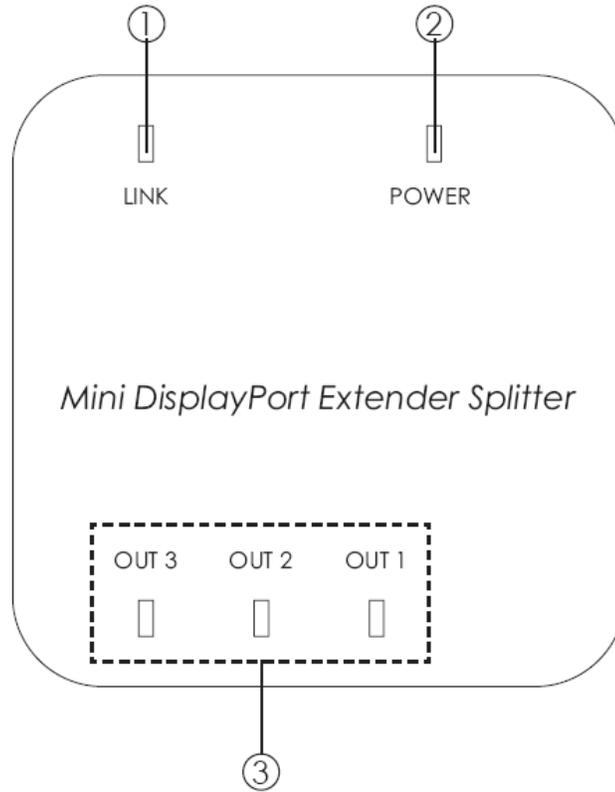


① **On/off switch:** Push this switch to turn the device on or off. The green LED will turn on when the device is switched on.

② **DC 3.3V:** This slot is where you plug the 3.3V DC power supply into the unit and connect the adaptor to an AC outlet.

③ **MDP IN:** This slot is where you connect the input source equipment such as a PC or any output device that has a Mini Display Port.

### Top Panel



- ① **LINK LED:** The green LED will turn on when the input source device is connected.
- ② **POWER LED:** The green LED will switch on when the device is powered on.
- ③ **OUT 1~3 LED:** The green LED will turn on when the output port is connected with the output display.

## Timing tables for monitor

The 1 by 3 Mini DisplayPort splitter is a smart device with a built in feature that can define which and how many monitors are connected and can transmit the proper signal for the display. Below is the expanded timing list which is supported by the device.

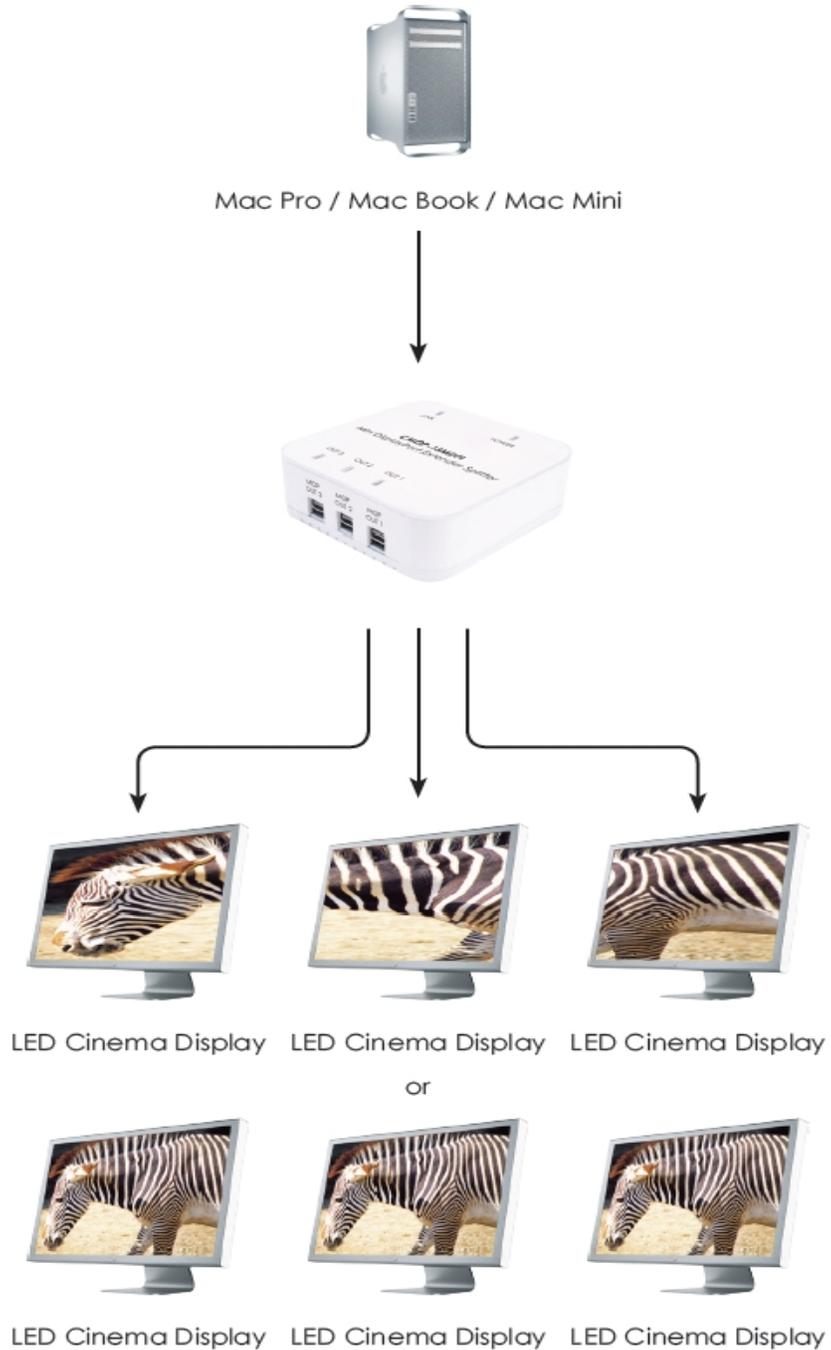
Two monitors mode		
From PC	To monitor	Vertical refresh rate (Hz)
3840 x 1200	1920 x 1200	60
2560 x 1024	1280 x 1024	60
2048 x 768	1024 x 768	60
3360 x 1050 * 1	1680 x 1050	60
3200 x 1200 * 1	1600 x 1200	60
2880 x 900 * 1	1440 x 900	60
1600 x 600 * 1	800 x 600	60
1280 x 480 * 1	640 x 480	60
2800 x 1050 * 1	1400 x 1050	60

Three monitors mode		
From PC	To monitor	Vertical refresh rate (Hz)
3840 x 800	1280 x 800	60
3840 x 1024	1280 x 1024	60
3072 x 768	1024 x 768	60
2400 x 600 * 1	800 x 600	60
1920 x 480 * 1	640 x 480	60
4080 x 768 * 1, * 2	1360 x 768	60
3840 x 720 * 1	1280 x 720	60
2160 x 480 * 1	720 x 480	60
3840 x 960 * 1	1280 x 960	60

**Note:**

1. The timing is listed in the EDID extension block. Some old GPU drivers may not be supported.
2. The total horizontal pixel include the active area and blank area is larger than 4096, some GPU driver may not support the timing.
3. For Apple Cinema Display support timing please refer to <http://www.apple.com/displays/specs.html>

## Connection



## Specifications

<b>Output Resolution</b>	1920 x 1200
<b>Input port</b>	1 x Mini DisplayPort
<b>Output ports</b>	3 x Mini DisplayPort
<b>Power Supply</b>	3.3V / 1.5A DC (US/EU standards, CE/FCC/UL certified)
<b>ESD Protection</b>	Human body model: ± 8kV (air-gap discharge) ± 4kV (contact discharge)
<b>Dimensions(mm)</b>	100 (W) x 70 (D) x 20 (H)
<b>Weight(g)</b>	90
<b>Chassis Material</b>	Plastic
<b>Silkscreen Color</b>	White
<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>Power Consumption</b>	3W
<b>Relative Humidity</b>	20~90% RH (non-condensing)