

## 4-Port Multi Monitor Adapter - DisplayPort 1.2 MST Hub - 4x 1080p - DisplayPort Video Splitter for Extended Desktop Mode on Windows PCs Only - DP to Quad DP Monitors

**Product ID:** MSTDP124DP



This MST hub lets you connect four monitors to your DisplayPort (DP) 1.2 equipped Windows laptop or desktop.

The newest generations of computers are more portable than ever, which often means that you're left with fewer video outputs and smaller integrated screens. This MST hub solves both of these problems by letting you connect four additional displays to your computer, which makes multitasking much easier.

With the MST hub, you can use DisplayPort video adapters and cable adapters that enable you to connect HDMI, VGA or DVI displays. This ensures your MST hub will be compatible with virtually any television, monitor or projector. This MST hub is VESA and DisplayPort certified to support DP 1.2 enabled systems, for seamless integration with your existing video equipment.

Using the MST hub, you can extend your desktop onto additional monitors and stream independent content to each display giving you the freedom to multitask and increase your productivity. You can also mirror the same image onto multiple displays for remote viewing applications such as digital signage.

MST technology uses your existing video card to minimize the use of system resources while delivering Ultra HD 4K resolutions. This unprecedented performance makes MST perfect for high-resolution applications such as graphic design, gaming and medical imaging.

Note: When using a DisplayPort 1.1 video card the MST hub will act as a splitter, automatically mirroring your video source across all displays. Resolution limitations apply.

The MSTDP124DP supports plug-and-play installation for a hassle-free setup, and is backed by a StarTech.com 3-year warranty and free lifetime technical support.

Note: MST shares 21.6 Gbps across all attached displays. Higher resolutions can restrict the available bandwidth with the remaining ports, please see our guideline below for determining an ideal resolution for your setup. Certain graphics adapters have limited MST support and will only output to three displays in total. If more than three monitors are attached the fourth will be disabled.

<small>Average resolution bandwidth allocation:</small>

<small>1920x1080 (High-definition 1080p) @60hz - 22%

1920x1200 @60hz - 30%

2560x1440 @60hz - 35%

2560x1600 @60hz - 38%

3840 x 2160 (Ultra HD 4K) @30hz - 38%</small>

<small>Note: Exceeding 100% will reduce functionality.</small>

<small>Examples of supported resolution configurations:</small>

## Certifications, Reports and Compatibility

### Applications

- Build a four display video wall to present entertainment to your patrons with an impressive display at a restaurant or shopping center
- Use one screen for reference data such as websites, while composing a report on another screen
- Dock your DP 1.2 device and add four high-resolution displays to your workstation
- Create a panoramic video wall for DisplayPort digital signage applications
- Edit images, video or audio clips across four additional displays in any orientation or resolution
- Perfect for spanning a spreadsheet/worksheet across additional displays, to avoid side-scrolling

### Features

- **MULTI MONITOR ADAPTER FOR WINDOWS:** 4-port DisplayPort MST hub drives up to four DP displays in extended or duplicate mode using a DP port on Windows desktop PCs or laptops Not compatible with macOS
- **DISPLAY RESOLUTION:** Quad monitor DisplayPort MST hub supports HD resolutions up to 1080p 60Hz on all four monitors
- **COMPATIBILITY:** 4-Port DisplayPort MST video splitter works with laptops, computers or desktop graphics cards Requires host system with DP 1.2/HBR2/MST or later from HP, Dell & Lenovo and AMD, Nvidia & Intel video cards
- **INCREASE PRODUCTIVITY:** Increase productivity by extending your desktop at your workstation in the office/home office MST technology uses your GPU/video card performance to deliver uncompressed video and use minimal system resources
- **EASY TO USE:** Quad monitor adapter natively supports 4x DP monitors; Works w/Windows only and provides an

easy driverless setup Latching DisplayPort connector ensures a reliable connection and prevents accidental disconnection

- **CONVENIENCE:** MST (multi-stream transport) hub is equipped with a built-in 7.5" (19cm) cable for video (DisplayPort) and an AC power adapter Supports LPCM digital audio

- **GPU CAPABILITIES:** Please check your system's GPU capabilities to determine max number of displays supported; Some GPU chips (such as Intel HD Graphics) are not capable of supporting four displays

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#### Hardware

|                           |                      |
|---------------------------|----------------------|
| Warranty                  | 3 Years              |
| Active or Passive Adapter | Active               |
| Ports                     | 4                    |
| AV Input                  | DisplayPort - 1.2    |
| AV Output                 | DisplayPort - 1.2    |
| Audio                     | Yes                  |
| Chipset ID                | MegaChips - STDP4320 |

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#### Performance

|                                   |  |
|-----------------------------------|--|
| Maximum Cable Distance To Display | 6.6 ft [2 m]   |
| Maximum Digital Resolutions       | 3840 x 2160 @30hz  |
| Supported Resolutions             | 1024x768<br>1280x720 (High-definition 720p)<br>1920x1080 (High-definition 1080p)<br>1920x1200<br>2560x1440<br>2560x1600<br>3840 x 2160 (Ultra HD 4K) @30hz |
| Wide Screen Supported             | Yes  |
| Audio Specifications              | DisplayPort - 5.1 Channel Audio  |

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#### Connector(s)

|             |                      |
|-------------|----------------------|
| Connector A | DisplayPort (20 pin) |
|-------------|----------------------|

Connector B                      DisplayPort (20 pin)

**Software**

OS Compatibility                      Windows 10 (32/64)  
    Windows 8/8.1 (32/64)  
    Windows 7(32/64)

**Power**

Power Source                              AC Adapter Included

Input Voltage                              100 - 240 AC

Input Current                              0.5 A

Output Voltage                              5 DC

Output Current                              3A

Center Tip Polarity                      Positive

Plug Type                                      N

Power Consumption (In Watts)      15

**Environmental**

Operating Temperature              0C to 45C (32F to 113F)

Storage Temperature                  -20C to 70C (-4F to 158F)

**Physical Characteristics**

Color    Black

Material    Plastic

Cable Length                              7.5 in [19 cm]

Product Length                              15.2 in [38.6 cm]

Product Width                              2.6 in [65 mm]

Product Height                              0.6 in [15 mm]

Weight of Product                          4.6 oz [129 g]



**Packaging  
Information**

|                              |                  |
|------------------------------|------------------|
| Package Length               | 6.0 in [15.2 cm] |
| Package Width                | 9.5 in [24.1 cm] |
| Package Height               | 2.5 in [64 mm]   |
| Shipping (Package)<br>Weight | 18.6 oz [527 g]  |

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**What's in the  
Box**

|                     |  |
|---------------------|--|
| Included in Package | 4-Port Multi Monitor DisplayPort MST Hub |
|                     | Universal power adapter (NA/EU/UK/AUS)   |
|                     | Quick install guide                      |

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***\*Product appearance and specifications are subject to change without notice.***

