

2-Port Multi Monitor Adapter - DisplayPort 1.2 MST Hub to Dual 4K 30Hz or 1080p - USB Bus Powered - Multiple Monitors - Video Splitter for Extended Desktop Mode on Windows

**Product ID:** MSTDP122DP



This MST hub lets you connect two monitors to your DisplayPort (DP) 1.2 equipped Windows laptop or desktop. It's USB powered, so the only thing you'll need to operate the hub is your computer.

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 two 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. The 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 MSTDP122DP 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.

Average resolution bandwidth allocation

1920x1080 (High-definition 1080p) @60hz - 22%  
1920x1200 @60hz - 30%  
2560x1440 @60hz - 35%  
2560x1600 @60hz - 38%  
3840 x 2160 (Ultra HD 4K) @30hz - 38%

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

## Certifications, Reports and Compatibility

### Applications

- Use one screen for reference data such as websites, while composing in another screen
- Dock your DP 1.2 device and add two high-resolution displays to your workstation
- Create a panoramic video wall for DisplayPort digital signage applications
- Edit images, video or audio clips across two additional displays in any orientation or resolution
- Perfect for spanning a spreadsheet or worksheet across two additional displays, to avoid side-scrolling

### Features

- **MULTIPLE MONITORS:** DisplayPort multi monitor adapter drives 2x DP displays (DP 1.2/HBR2/MST/21.6Gbps) at 4K 30Hz or 2x 1080p 60Hz using a single DP port on Windows PCs w/ no video compression
- **INCREASE PRODUCTIVITY:** With minimal footprint, this multi-stream transport hub helps increase your productivity by adding extended screens to your workstation at the office/home office
- **COMPATIBLE WITH:** 2-Port MST video splitter supports laptops, computers or desktop graphics cards with DP video out (supporting MST), incl. brands like HP, Dell & Lenovo and AMD & Nvidia video cards
- **EASY TO USE:** Dual monitor adapter uses MST technology to natively support DP monitors for a driverless setup; Works w/ Windows (limited compatibility w/ macOS; single display or mirrored screen)
- **CONVENIENCE:** Equipped w/ built-in 1ft cables for both power (USB Bus powered) and video (DisplayPort), this MST hub won't clutter your workspace and can be used anywhere

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#### Hardware

|                           |                   |
|---------------------------|-------------------|
| Warranty                  | 3 Years           |
| Active or Passive Adapter | Active            |
| AV Input                  | DisplayPort - 1.2 |
| Ports                     | 2                 |
| AV Output                 | DisplayPort - 1.2 |
| Audio                     | Yes               |

Chipset ID                      MegaChips - STDP4320

**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  |

**Connector(s)**

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

**Software**

|                  |   |
|------------------|---|
| OS Compatibility | Windows 10 (32/64)<br>Windows 8/8.1 (32/64)<br>Windows 7(32/64) |
|------------------|---|

**Special Notes / Requirements**

|      |   |
|------|---|
| Note | DisplayPort 1.2 with MST+HBR2 support from the GPU is required for independent display output |
|------|---|

**Power**

|              |             |
|--------------|-------------|
| Power Source | USB-Powered |
|--------------|-------------|

**Environmental**

|                       |                           |
|-----------------------|---------------------------|
| Operating Temperature | 0C to 40C (32F to 104F)   |
| Storage Temperature   | -20C to 60C (-4F to 140F) |



|          |        |
|----------|--------|
| Humidity | 50-90% |
|----------|--------|

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**Physical Characteristics**

|                   |                   |
|-------------------|-------------------|
| Color             | Black             |
| Material          | Plastic           |
| Cable Length      | 7.5 in [19 cm]    |
| Product Length    | 15.2 in [38.6 cm] |
| Product Width     | 2.3 in [58 mm]    |
| Product Height    | 0.6 in [14 mm]    |
| Weight of Product | 1.8 oz [52 g]     |

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**Packaging Information**

|                           |                  |
|---------------------------|------------------|
| Package Length            | 6.8 in [17.2 cm] |
| Package Width             | 5.6 in [14.1 cm] |
| Package Height            | 1.2 in [30 mm]   |
| Shipping (Package) Weight | 4.7 oz [134 g]   |

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**What's in the Box**

|                     |                     |
|---------------------|---------------------|
| Included in Package | 2-port DP MST Hub   |
|                     | Quick install guide |

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

