

DisplayPort to DisplayPort Multi-Monitor Splitter - 3-Port MST Hub

Product ID: MSTDP123DP



This MST hub lets you connect three 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 three 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 MSTDP123DP will act as splitter, automatically mirroring your video source across all displays. Resolution limitations apply.

The MSTDP123DP 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.

Average Resolution Bandwidth Allocation

<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>

<small>Examples of Unsupported Resolution Configurations</small>

Certifications, Reports and Compatibility

Applications

- Create a panoramic video wall for DisplayPort digital signage applications
- Dock your DP 1.2 device and add three high-resolution displays at your workstation
- Use one screen for reference data such as websites, while composing in another screen
- Perfect for spanning a spreadsheet/worksheet across all three displays, to avoid side-scrolling
- Edit images, video or audio clips across three displays in any orientation or resolution
- Enjoy the panoramic views built into games and display helpful codes/walk-through data on a third display, at the same time

Features

- Maximize your productivity by connecting up to three independent displays to your computer using the MST Hub
- Connect to almost any television, monitor or projector with the support of low-cost adapters
- Increase external video performance with support for resolutions up to 4K
- Compatible with DP 1.2 Graphics cards such as AMD Radeon with Eyefinity Technology
- Plug-and-play installation
- VESA and DisplayPort certified
- Newly engineered chipset for increased compatibility

Hardware

Warranty 3 Years

Active or Passive Adapter Active

AV Input	DisplayPort - 1.2
Ports	3
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	Up to 4K
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) Windows 8/8.1 (32/64) Windows 7(32/64)
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Special Notes / Requirements

Note	DisplayPort 1.2 with MST+HBR2 support from the GPU is required for independent display output
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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	7.9 in [20.0 cm]
Product Width	3.1 in [78.0 mm]
Product Height	0.8 in [20.0 mm]
Weight of Product	3.5 oz [99.0 g]

Packaging Information

Package Length	6.1 in [15.5 cm]
Package Width	9.0 in [22.9 cm]
Package Height	2.2 in [55.0 mm]
Shipping (Package) Weight	14.4 oz [409.0 g]

What's in the Box

Included in Package	3-Port Multi Monitor DisplayPort MST Hub
	Instruction Manual
	Universal Power Adapter (NA/EU/UK/AUS)

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