

## 3-Port Multi Monitor Adapter - DisplayPort 1.2 to 3x HDMI MST Hub - Triple 1080p HDMI Monitors - Video Splitter for Extended Desktop Mode on Windows PCs Only - DP to 3x HDMI

**Product ID:** MSTDP123HD



This MST hub lets you connect three HDMI 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.

Using the MST hub, you can extend your desktop onto additional monitors and stream independent content to each display. You can also mirror the same image onto multiple HDMI televisions or projectors 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 MSTDP123HD will act as splitter, automatically mirroring your video source across all displays. Resolution limitations apply.

The MSTDP123HD 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. Some monitors limit available resolution

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 - 43%</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

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

### Features

- **MULTI MONITOR ADAPTER FOR WINDOWS:** DisplayPort to HDMI MST hub drives up to 3x HDMI monitors in extended or duplicate mode using a DP port on Windows desktop PCs or laptops Not compatible with macOS
- **DISPLAY RESOLUTION:** Multiple monitor DisplayPort to HDMI MST hub supports HD resolutions up to 3x 1080p 60Hz on three monitors, or dual 4K 30Hz on two monitors, or can support three ultrawide displays up to 2560x1080
- **COMPATIBILITY:** 3-Port DisplayPort to HDMI 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:** Triple monitor adapter natively supports 3x HDMI screens; 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" (19m) cable for video (DisplayPort) and an AC power adapter Supports LPCM digital audio
- **GPU CAPABILITIES:** Please verify maximum number of displays supported by your GPU; Some GPU chips (such as Intel HD Graphics) are only capable of supporting a maximum of three displays (laptop screen may be disabled when connected to three monitors)

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## Hardware

Warranty	3 Years
Active or Passive Adapter	Active
Ports	3
AV Input	DisplayPort - 1.2
AV Output	HDMI - 1.4
Audio	Yes
Chipset ID	MegaChips - STDP4320

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## Performance

Maximum Cable Distance To Display	49.9 ft [15.2 m]
Maximum Digital Resolutions	3840 x 2160 @30hz
Supported Resolutions	<p>&lt;p&gt;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.&lt;/p&gt;&lt;p&gt;Average resolution bandwidth allocation&lt;/p&gt;&lt;p&gt;&lt;small&gt;1920x1080 (High-definition 1080p) @60hz - 22% </p>
	1920x1200 @60hz - 30%
	2560x1440 @60hz - 35%
	2560x1600 @60hz - 38%
	3840 x 2160 (Ultra HD 4K) @30hz - 38%</small></p><p><small>Note: Exceeding 100% will reduce functionality.</small></p>
Wide Screen Supported	Yes
Audio Specifications	HDMI - 7.1 Channel Audio

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### Connector(s)

Connector A	DisplayPort (20 pin)
Connector B	HDMI (19 pin)

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### Software

OS Compatibility	Windows 10, 8.1, 8
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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

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### Environmental

Operating Temperature	0C to 45C (32F to 113F)
Storage Temperature	-20C to 70C (-4F to 158F)
Humidity	50-90%

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### Physical Characteristics

Color	Black
Material	Plastic
Cable Length	7.5 in [19 cm]
Product Length	13.0 in [33.0 cm]
Product Width	4.1 in [10.5 cm]
Product Height	0.6 in [14.0 mm]
Weight of Product	4.5 oz [127.0 g]



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**Packaging  
Information**

Package Length	6.1 in [15.4 cm]
Package Width	9.5 in [24.1 cm]
Package Height	2.5 in [64.0 mm]
Shipping (Package) Weight	17.6 oz [500.0 g]

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**What's in the  
Box**

Included in Package	DisplayPort to 3x HDMI MST Hub
	Universal power adapter (NA/EU/UK/AU)
	Quick install guide

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

