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MST hub - Mini DisplayPort to quad head DisplayPort MST hub

MSTMDP124DP

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Packaging contents

*   1 x 4-port multi-monitor mini DisplayPort™ MST hub
*   1 x Universal power adapter (NA/EU/UK/AUS)
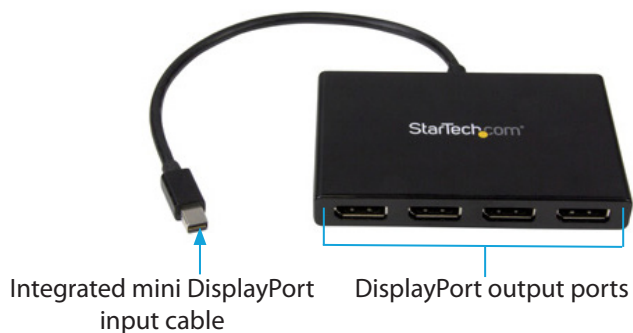*   1 x Quick install guide

System requirements

*   Mini DisplayPort 1.2-enabled computer
*   Up to four displays with necessary cabling for DisplayPort support

Operating systems are subject to change. For the latest requirements, please visit www.startech.com/MSTMDP124DP.

Product overview

Front view

Integrated mini DisplayPort
input cable

DisplayPort output ports

*actual product may vary from photos

Rear view

DC IN   SCAN

SCAN button

Power adapter port

Important operation notes

*   Different types of displays, such as HDMI®, DVI, and VGA work with this MST hub, provided the appropriate DisplayPort adapter is used. DisplayPort adapters aren't included. The StarTech.com SKU for each adapter is listed below:
    *   DisplayPort to HDMI adapter (DP2HDMI)
    *   DisplayPort to VGA adapter (DP2VGA3)
    *   DisplayPort to DVI adapter (DP2DVI2)

*   A DisplayPort 1.2 video card or source is required for MST support.
    *   When using a DisplayPort 1.1 video card, the MST hub acts as a splitter, automatically mirroring your video source across all of the displays.
    *   MST is certified for operation with Microsoft® Windows® 8 devices. Other operating systems may adopt the technology; please check your operating system vendor to confirm support. Operating system support is subject to change. For the latest requirements, please visit www.startech.com/ MSTMDP124DP.

*   After the MST hub is attached, it may be necessary to initiate the operation of additional displays from within your Display settings.
    *   The SCAN button resyncs all of the attached displays, and can be utilized if any of the displays aren't detected.

*   Certain graphics adapters, such at the Intel® based chips found on the Microsoft Surface™ Pro 3, have limited MST support and will only output to three displays in total. If you attach more than three displays, all of the displays beyond that number will be disabled, including the touch screen on the Surface Pro 3.

*   MST shares 10.2 Gbps of bandwidth across all of the attached displays. Higher resolutions can restrict the bandwidth available for the remaining ports. Please see the guidelines below to determine the ideal resolution for your setup.

Average resolution bandwidth allocation

1920 x 1080 (High-definition 1080p) @60hz – 22%
1920 x 1200 @60hz – 30%
2560 x 1440 @60hz – 35%
2560 x 1600 @60hz – 38%
3840 x 2160 (Ultra HD 4K) @30hz – 38%

Note: Exceeding 100% will reduce functionality.

For the latest information, technical specifications, and support for this product, please visit www.startech.com/MSTMDP124DP.

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Examples of supported resolution configurations

Screen 1 resolution	Screen 2 resolution	Screen 3 resolution	Total percent of bandwidth
1920 x 1200 @60Hz (30%)	1920 x 1200 @60 Hz (30%)	1920 x 1200 @60 Hz (30%)	90%
2560 x 1440 @60 Hz (35%)	2560 x 1440 @60 Hz (35%)	1920 x 1200 @60 Hz (30%)	92%
2560 x 1600 @60 Hz (38%)	2560 x 1600 @60 Hz (38%)	1920 x 1080 @60 Hz (22%)	98%
3840 x 2160 @30 Hz (38%)	2560 x 1600 @60 Hz (38%)	1920 x 1080 @60 Hz (22%)	98%
3840 x 2160 @30 Hz (38%)	3840 x 2160 @30 Hz (38%)	1920 x 1080 @60 Hz (22%)	98%

Examples of unsupported resolution configurations

Screen 1 resolution	Screen 2 resolution	Screen 3 resolution	Total percent of bandwidth
2560 x 1600 @60Hz (38%)	2560 x 1600 @60 Hz (38%)	1920 x 1200 @60 Hz (30%)	106%
3840 x 2160 @30 Hz (38%)	2560 x 1600 @60 Hz (38%)	1920 x 1200 @60 Hz (30%)	106%
3840 x 2160 @30 Hz (38%)	2560 x 1600 @60 Hz (38%)	2560 x 1440 @60 Hz (35%)	111%
3840 x 2160 @30 Hz (38%)	3840 x 2160 @30 Hz (38%)	3840 x 2160 @30 Hz (38%)	114%

Technical Support
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For the latest drivers/software, please visit www.startech.com/downloads

Warranty Information
This product is backed by a two-year warranty.
StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.