

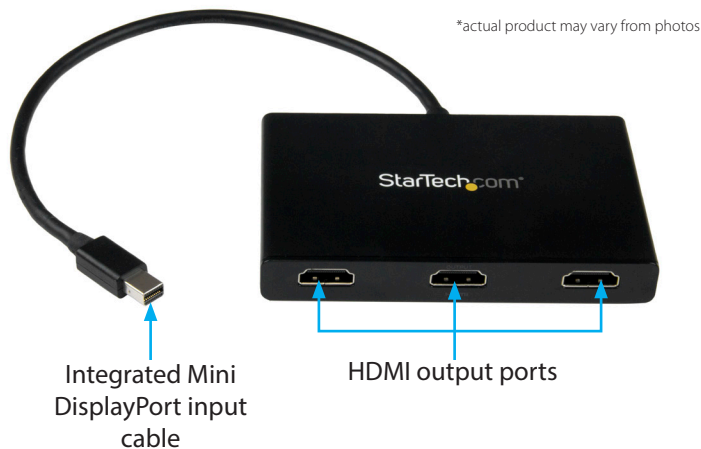
MST Hub - Mini DisplayPort to 3x HDMI

MSTMDP123HD

DE: Bedienungsanleitung - de.startech.com
FR: Guide de l'utilisateur - fr.startech.com
ES: Guía del usuario - es.startech.com
IT: Guida per l'uso - it.startech.com
NL: Gebruiksaanwijzing - nl.startech.com
PT: Guia do usuário - pt.startech.com

Product overview

Front View



Rear View



Packaging contents

- 1x Mini DisplayPort to 3x HDMI MST Hub
- 1x Universal power adapter (NA/EU/UK/AUS)
- 1x Quick install guide

System requirements

- Mini DisplayPort 1.2 enabled computer
- Up to three displays with necessary cabling for HDMI support

Operating system requirements are subject to change. For the latest requirements, please visit: www.StarTech.com/MSTMDP123HD.

Important operation notes

- Some computer systems may prevent this MST hub from displaying digitally encrypted content.
- A computer, laptop or tablet with DisplayPort 1.2 is required for MST support.
- If your device only supports DisplayPort 1.1, the MST hub will act as a splitter, automatically mirroring your video source across all displays.
- MST is certified for operation with Microsoft Windows 8 devices. Other operating systems may adopt the technology. Please check with your operating system vendor to confirm support. Operating system support is subject to change. For the latest requirements, please visit: www.StarTech.com/MSTMDP123HD.
- After the MST hub is attached, it may be necessary to initiate 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 are not detected.
- Certain graphics adapters such as 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 21.6 Gbps of bandwidth across all attached displays. Higher resolutions can restrict the bandwidth available for the remaining ports. Please see our guidelines below for determining the ideal resolution for your setup.

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%
- Note: Exceeding 100% will reduce functionality.

Examples of supported resolution configurations

| Screen 1 resolution | Screen 2 resolution | Screen 3 resolution | Total % of bandwidth |
|-----------------------|-----------------------|-----------------------|----------------------|
| 1920x1200 @60hz (30%) | 1920x1200 @60hz (30%) | 1920x1200 @60hz (30%) | 90% |
| 2560x1440 @60hz (35%) | 2560x1440 @60hz (35%) | 1920x1200 @60hz (30%) | 92% |
| 2560x1600 @60hz (38%) | 2560x1600 @60hz (38%) | 1920x1080 @60hz (22%) | 98% |
| 3840x2160 @30hz (38%) | 2560x1600 @60hz (38%) | 1920x1080 @60hz (22%) | 98% |
| 3840x2160 @30hz (38%) | 3840x2160 @30hz (38%) | 1920x1080 @60hz (22%) | 98% |

Examples of unsupported resolution configurations

| Screen 1 resolution | Screen 2 resolution | Screen 3 resolution | Total % of bandwidth |
|-----------------------|-----------------------|-----------------------|----------------------|
| 2560x1600 @60hz (38%) | 2560x1600 @60hz (38%) | 1920x1200 @60hz (30%) | 106% |
| 3840x2160 @30hz (38%) | 2560x1600 @60hz (38%) | 1920x1200 @60hz (30%) | 106% |
| 3840x2160 @30hz (38%) | 2560x1600 @60hz (38%) | 2560x1440 @60hz (35%) | 111% |
| 3840x2160 @30hz (38%) | 3840x2160 @30hz (38%) | 3840x2160 @30hz (38%) | 114% |

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by StarTech.com could void the user's authority to operate the equipment.

Industry Canada Statement

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.
CAN ICES-3 (B)/NMB-3(B)

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