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USB-C™ Docking Station for Laptops - Hard Drive Bay - MST and Power Delivery - 4K

MST30C2HDPPD

*actual product may vary from photos

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

For the latest information, technical specifications, and support for this product, please visit www.StarTech.com/MST30C2HDPPD.

Manual Revision: 06/16/2017

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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Table of Contents

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Introduction

Package contents

- 1x docking station
- 1x USB-C cable
- 4 x hard-drive mounting screws
- 1x universal power adapter (NA/JP, UK, EU, ANZ)
- 1x quick-start guide

Requirements

- Host laptop with an available USB-C port (to ensure full dock functionality, the host USB-C port must support USB Power Delivery and DP alt mode)

Note: The docking station will still work if connected to a USB-C port that doesn't support Power Deliver (must still support DP Alt Mode). In this configuration, the docking station will not provide power to your host laptop.
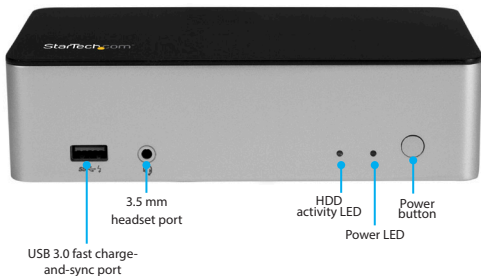
- A Phillips type screwdriver.
- An available AC electrical outlet.
- Up to two DisplayPort enabled display(s) with cables as needed (for additional external displays) (4K-capable display is required to achieve 4K x 2K resolution, 4K is also known as 4K x 2K).
- Any of the following operating systems:
  Windows® 10 (32-bit or 64-bit)
  Windows 8 / 8.1 (32-bit or 64-bit)
  Windows 7 (32-bit or 64-bit).
- macOS 10.12, 10.11
  *macOS does not support MST.
- Operating system requirements are subject to change. For the latest requirements, please visit www.StarTech.com/MST30C2HDPPD.

Notes:

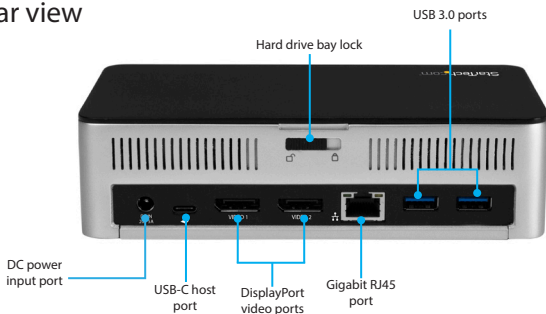- Not all USB-C ports support full functionality of the USB Type-C standard. Ensure that your host USB-C port supports DP Alt mode, as well as USB Power Delivery.
- Video output capabilities are dependent on the video card and hardware specifications of your connected host laptop. Certain video cards have limited MST or video support, while some monitors will also limit the available resolution.

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Product diagram

Front view

USB 3.0 fast charge-
and-sync port

3.5 mm
headset port

HDD
activity LED

Power LED

Power
button

Rear view

Hard drive bay lock

USB 3.0 ports

DC power
input port

USB-C host
port

DisplayPort
video ports

Gigabit RJ45
port

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About USB 3.0 and USB 3.1 Gen 1

USB 3.0 is also known as USB 3.1 Gen 1. This connectivity standard offers speeds up to 5Gbps. Any mention of USB 3.0 in this manual or on the StarTech.com website for MST30C2HDPPD. refers to the 5Gbps USB 3.1 Gen 1 standard.

About USB-C

Not all USB-C ports support the full functionality of the USB Type-C™ standard. Some ports might only provide data transfers, and might not support video or power delivery over USB.

To use this dock to its full potential, ensure that the host USB-C port from your computer supports DP Alt Mode, as well as USB Power Delivery.

Install an internal 2.5 in. hard drive

Note: Disconnect the docking station from your laptop and any peripherals before you begin installation.
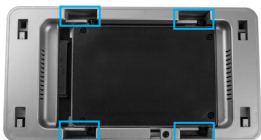
1. Slide the hard drive bay lock into the unlock position.

2. Slide the cover off of the docking station by pushing from the back forward to the front.
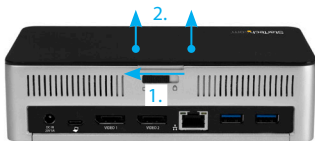
3. Using a Phillips type screwdriver, install each of the four drive screws into the screw holes on your 2.5 in. hard drive.

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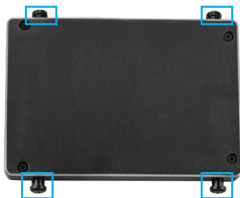
4. Place your 2.5 in. hard drive into the enclosure, ensuring the four screws are aligned with the open notches inside the drive bay. Then slide the drive toward the SATA connector to connect the drive and lock it into position.

5. Replace the cover of the docking station and slide the Hard drive bay lock into the lock position.

See the "Prepare a drive for use" section, for details on formatting your drive for your specific operating system.

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Install the docking station

The drivers are automatically installed when you connect your laptop to the dock. If you receive a prompt to automatically install the driver(s), follow the on-screen instructions to complete the installation.

The drivers can also be found under the **Support** tab on our website at: www.StarTech.com/MST30C2HDPPD.

Power the docking station

When the docking station is plugged in and powered, you can use USB-C Power Delivery to power and charge any laptop up to 60W through its USB-C port. The docking station cannot receive power from the host laptop, therefore the power adapter must always be connected to the docking station.

Notes: In order to power and charge your connected laptop, its USB-C port must support USB Power Delivery.

1. Select the appropriate power cord for your region and connect it to the power adapter.

2. Connect the power adapter to an AC electrical outlet and then to the docking station's DC power input port.

3. Connect the provided USB-C cable to a USB-C port on your host laptop and to the USB-C host port and press the Power button.

Both the docking station and the connected laptop should now be receiving power.

Install and use the docking station

After completing the steps in the "Power the docking station" section:

1. Connect your devices to the appropriate ports on the dock (see product diagram for port callouts). Devices may include USB peripherals, headset, tablets, etc.

2. Connect your external display(s) to the dock's video port(s).

Note: Video output capabilities are dependent on the video card and hardware specifications of the connected host laptop. Certain video cards have limited MST support and some monitors will also limit the available resolution.

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Connecting a drive to your computer

If you've installed a hard drive in the docking station, your computer's operating system will automatically install the necessary software to make the drive accessible as though it's installed internally in the system. However, if the drive is unused or otherwise unformatted, you may need to prepare a drive for use before you use can access it.

Prepare a drive for use

Windows OS

If you install a drive that already has data on it, after you insert the drive, it appears under **My Computer** or **Computer** with a drive letter assigned to it. If you install a brand-new drive that doesn't contain any data, you must prepare the drive for use.

Warning! When you complete the following steps, all of the data on your drive will be deleted. If your drive has data on it that you require, you should create a backup file or use a different drive.

1. Depending on the OS version that you're running, do one of the following:

- On your desktop, right-click **My Computer** and click **Manage.**
- On your desktop, right-click **Computer** and click **Manage**.
- Click the **Start** button or **Windows** icon. Enter **compmgmt.msc** and press **Enter**.

2. On the **Computer Management** screen, click **Disk Management**.

3. A dialog window appears and asks you to initialize the drive.

   Depending on the version of Windows that you're running, you have the option to create either an MBR or a GPT disk.

   Note: GPT (GUID partition) is required for drives larger than 2 TB, but GPT isn't compatible with some earlier versions of operating systems. MBR is supported by both earlier and later versions of operating systems.

4. Locate the disk that is labeled **Unallocated**. To confirm that the drive is the correct one, check the drive capacity.

5. Right-click the section of the window that says **Unallocated** and click **New Partition**.

6. To initialize the drive in the format of your choice, complete the on-screen instructions. When the drive is successfully installed, it appears under **My Computer** or **Computer** with a drive letter assigned to it.

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macOS

If you install a drive that already has data on it, after you insert the drive, it appears on your desktop and is accessible. If you install a brand-new drive that doesn't contain any data, you must prepare the drive for use.

Warning! When you complete the following steps, all of the data on your drive will be deleted. If your drive has data on it that you require, you should create a backup file or use a different drive.

1. Do one of the following:

• In **Spotlight**, enter **Disk Utility**.

• Open **Finder**. Navigate to **Applications** and click **Utilities**.

• Open **Disk Utility**.

2. Select the new drive and click the **Partition** tab.

3. Enter a name for the partition.

4. Click **Apply**.

The drive now appears on your desktop and is accessible in **Finder**.

Installing the remaining drivers

Depending on your operating system, the required drivers are automatically installed when you connect your laptop to the dock. However, if your computer displays a message that says **The drivers could not be installed** after the dock has been connected to your computer, to complete the full driver installation process:

1. To download the latest drivers, use a web browser and navigate to www.StarTech.com/MST30C2HDPPD.

2. Click the **Support** tab.

3. Download the drivers.

4. When the download is complete, extract the contents of the compressed file(s) that you downloaded.

5. Double-click the appropriate driver for the version of Windows or macOS that you're running and follow the on-screen instructions to complete the installation.

Note: If you are prompted to restart your computer, do so to complete the installation.

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About the docking station ports

The two USB ports located at the back of the docking station (2x USB-A) are standard USB 3.0 throughput ports. When the dock is connected to a host laptop, these ports provide a trickle charge to a selection of devices.

The front USB 3.0 port (USB-A) is compliant with Battery Charging Specification Revision 1.2 (BC1.2), which means that you can use the port to connect and charge a device, faster than you can using a traditional standard USB 3.0 port.

This front USB 3.0 port can fast-charge a connected device even when the dock isn't connected to a host laptop. When the docking station is connected to a host laptop, the front USB 3.0 port functions as a Charging Downstream Port (CDP), which has simultaneous charge and sync capabilities.

The provided power adapter must be connected to the docking station in order charge your mobile device without a connection to a host laptop.

Charge a device

If you're only using the front USB 3.0 port to charge a device, a connection to a host laptop isn't required.

• To charge a device, connect it to the USB 3.0 port located on the front of the docking station.

Note: This front USB 3.0 port can only fast-charge devices that comply with USB Battery Charging Specification Revision 1.2.

Supported video resolutions

The docking station supports 4K Ultra HD resolution if the connected HDMI or DisplayPort display supports it.

• In a multi-display configuration, set the refresh rates on each of your connected monitors to the same values, otherwise your monitors might not properly display.

• Video output capabilities are dependent on the video card and hardware specifications of your connected host laptop.

Number of Displays Supported	Maximum Resolution
2	1920 x 1200p (60Hz)
1	3840 x 2160p (30Hz)

Note: Multi-display and dual-display configurations are only supported in Windows® operating systems that support MST.

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Configure a display device

Use your Windows or Mac operating system to adjust display settings for multiple monitors. Your laptop hardware must support dual external displays.

- You can set up dual displays by using the video output ports (2 x DisplayPort).

About the LED indicators

This docking station features LED indicators that indicate the status of the docking station. For more information about the LED indicators, see the table below.

LED	Behavior	Significance
HDD activity LED	Off	No HDD is installed or the dock is not connected to a computer.
	Lights green	Hard drive is installed and the dock is connected to a computer.
	Flashes orange	Hard drive is being written to or accessed.
Power LED	Off	Docking station is powered off.
	Lights white	Docking station is powered on.

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Technical support

StarTech.com's lifetime technical support is an integral part of our commitment to provide industry-leading solutions. If you ever need help with your product, visit **www.startech.com/support** and access our comprehensive selection of online tools, documentation, and downloads.

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

Warranty information

This product is backed by a three-year warranty.

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