



## Dual-Input USB-C™ Docking Station with Dual Video and 80W Power Delivery

Model 201073



### User Manual

- Locate instructions and driver information at:  
[www.cablematters.com/dl/201073](http://www.cablematters.com/dl/201073)
- Locate troubleshooting information at:  
[kb.cablematters.com](http://kb.cablematters.com) (search for 201073)

[support@cablematters.com](mailto:support@cablematters.com)

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## 1. INTRODUCTION

### 1.1 Introduction

Thank you for your purchase from Cable Matters® Inc., the 'Reliable Connectivity' company. This User Manual provides an overview of the features and installation of your new:

#### **Dual-Input USB-C™ Docking Station with Dual Video & 80W Power Delivery**

Please read these instructions carefully before connecting, operating or configuring this product. Please keep this manual for future reference.

Contact [support@cablematters.com](mailto:support@cablematters.com) for questions or product support.

### 1.2 Copyright and Trademarks

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Thunderbolt and the Thunderbolt Logo are trademarks of Intel Corporation in the U.S. and/or other countries.

### 1.3 FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) This device must not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.

## 2. PRODUCT OVERVIEW

### 2.1 Package Contents

Please check that the following items are contained in the package:

- 1x Dual-Input USB-C Docking Station
- 1x Docking Station Stand
- 2x USB-C 3.1 Gen 2 Host Cables
- 1x Cable Organizer Clip
- 1x AC Power Adapter
- 1x User Manual

## 2.2 Docking Station Features

- Add dual video, data, and charging functions over two USB-C or Thunderbolt 3 ports
- Dynamically configure the bandwidth to connect dual 4K@30Hz or 4K@60Hz displays with a switch
- Connect 4K displays with HDMI input
- Connect to a wired Ethernet network
- Charge a laptop up to 80 watts with a power delivery equipped USB-C port
- Transfer files and charge a USB-A or USB-C peripheral with USB-C 3.1 (up to 10 Gbps)
- Connect USB 3.0 or USB 2.0 peripheral devices
- Add a 2.4 GHz mouse/keyboard dongle to the dedicated USB 2.0 port
- Transfer files from a UHS-I microSD card or a UHS-II SD memory card
- Audio support for a microphone and a headset or speaker
- Heat dissipating metallic housing with a power-saving On/Off switch
- Optional stand to place the Dock in a vertical orientation

## 2.3 System Requirements

Computer:	Two USB-C or Thunderbolt™ 3 equipped ports (for 2 displays) DP Alternate Mode support for video over USB-C
OS Compatibility:	macOS 10.12 and up, Windows 7 and up, Chrome OS, Linux
External Displays:	HDMI input ports and HDMI cables
microSD:	UHS-I microSD, SDHC or SDXC card
UHS-II SD:	UHS-I or UHS-II SD, SDHC or SDXC card
Ethernet Network:	Active LAN or router with an available RJ45 Port Cat 6 Ethernet patch cable (recommended for Gigabit)
USB-A 2.0:	Recommended for a 2.4 GHz wireless mouse/keyboard
USB-A 3.0:	USB 2.0 or 3.0 cable to connect a peripheral device
USB-A 3.1:	USB 3.1 data and charging cable (backwards compatible)
USB-C 3.1:	USB-C device or USB-C cable for data transfer and charging
Audio Ports:	Mic, speaker, or combo headset cables
Power:	AC outlet

**Note:** All cables to connect devices to the Dock are sold separately.

### 3. Connection and Operating Instructions

#### 3.1 Installation Checklist

##### Driver Requirements

- A PC with Thunderbolt 3 may require driver updates to function properly  
For more information go to [kb.cablematters.com](http://kb.cablematters.com) and search for 201073
- Be prepared to reboot your computer after the driver installation

##### Power Requirements

- The Docking Station must be connected to AC power in order to operate
- Your laptop must support power delivery over USB-C for charging up to 80 watts

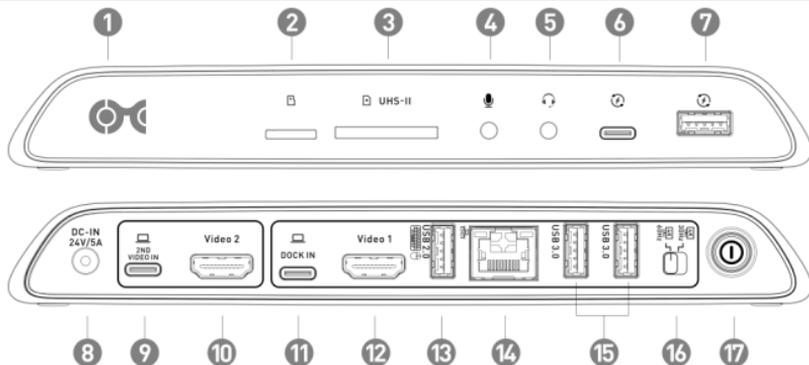
##### External Display Requirements

- Check if your computer supports DP Alternate Mode over USB-C
- Switch the bandwidth configuration switch to 4K@60Hz to connect dual 4K@60Hz displays  
(Maximum video resolution is dependent on the available Dock bandwidth)

##### USB-C Host Cable Requirements

- Do not substitute other USB-C cables. Use the included USB-C cables to connect your computer to the Dock.

# Displays	Max Video Resolution	Mode
2	3840x2160@60Hz	4K/60Hz
2	3840x2160@30Hz (Video 1) 3840x2160@60Hz (Video 2)	4K/30Hz
2	2560x1440@60Hz (Video 1) 3840x2160@60Hz (Video 2)	4K/30Hz
2	1920x1200@60Hz	4K/30Hz

**3.2 Panel Diagrams**


- 1) Power and host connection status LED (Blue = Power / White = Status)
- 2) microSD UHS-I memory card slot
- 3) SD UHS-II memory card slot
- 4) Mono microphone line-in port
- 5) Combo audio/headset line-out port
- 6) USB-C 3.1 Gen 2 (up to 10 Gbps) downstream data transfer and charging port supports smartphone charging at 5V/3A, 9V/2A, and 15V/1.2A
- 7) USB 3.1 Standard-A Gen 2 (up to 10 Gbps) data transfer and charging port up to 5V/2.1A
- 8) Power-in port (24VDC/5A)
- 9) **2ND VIDEO IN** USB-C host port to add an HDMI display connected to the Video 2 port
- 10) HDMI Video 2 port (controlled by **2ND VIDEO IN** port)
- 11) **DOCK IN** USB-C host port
- 12) HDMI Video 1 port is controlled by **DOCK IN** USB-C host port
- 13) USB 2.0 port for a 2.4 GHz wireless mouse/keyboard dongle
- 14) Ethernet port: 1000 Mbps Gigabit (4K@30Hz mode) or 100-480 Mbps (4K@60Hz mode)
- 15) 2x USB 3.0 (5 Gbps) data transfer ports
- 16) Bandwidth configuration switch for 4K@60Hz or 4K@30Hz
- 17) On/Off switch

**Note:** All cables to connect devices to the USB-C Docking Station are sold separately

[www.cablematters.com](http://www.cablematters.com)

### 3.3 Connecting the Docking Station

*This Dual-Input Docking Station is designed to connect two displays with HDMI. **BOTH** USB-C ports must be connected to your computer to support two displays. The Dock supports a single display and all the other ports (except Video 2) over a single USB-C cable.*

- 1) Connect the Dock to an AC power outlet or the Dock will not operate
- 2) Connect one of the USB-C cables from the package to the **DOCK IN** host port and a USB-C port on your computer. (Note: The DOCK IN USB-C host port must be connected to support HDMI Video 1, data, charging, and Ethernet.)
- 3) Depress the On/Off button to turn on the Dock
- 4) Wait while any additional drivers are automatically installed
- 5) Connect one of the USB-C cables from the package to the **2ND VIDEO IN** host port and a USB-C port on your computer. This USB-C port must be connected to support a 2nd display with HDMI.



**DOCK IN**



**2ND  
VIDEO IN**



#### Important Notes

- Place the Dock in the stand for a vertical orientation. The stand is optional.
- **DOCK IN** USB-C host port will charge a laptop up to 80 watts while in use for a laptop with a power delivery equipped USB-C port
- Laptops requiring more than 80 watts will charge at a slower rate. Some laptop models may not charge over USB-C and require an AC power adapter.

#### Troubleshooting Tips

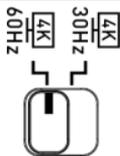
- Unplug and re-plug the USB-C host cables to the Dock (use only the USB-C cables that came with the Dock)
- Reboot the computer and check that the Dock has AC power
- Check that the power status LED is lit on the front of the Dock
- Check with the computer maker for updated BIOS and Thunderbolt 3 drivers
- Test the USB-C cables with different equipment
- Locate troubleshooting information at:

**[kb.cablematters.com](http://kb.cablematters.com)** (search for 201073)



### 3.4 Dynamic Bandwidth Switch

This Dual-Input USB-C Docking Station supports the full USB-C Gen 2 10 Gbps bandwidth. This bandwidth is shared by all connected devices. The **4K@30Hz / 4K@60Hz** switch allows the Dock to be configured to support dual 4K@60Hz displays with both host USB-C ports connected to a computer. Dynamically adjust the bandwidth allocation on the Dock by clicking the switch.



#### 4K@60Hz Setting

Use this setting for connecting dual 4K@60Hz displays.

- Ethernet speed is limited to 100-480 Mbps Ethernet (not Gigabit)
- USB 3.0 or USB-C 3.1 transfer speed is reduced to USB 2.0 speed
- UHS-I or UHS-II SD card R/W speed is reduced to 480 Mbps

#### 4K@30Hz Setting

Use this setting for connecting dual HD/QHD@60Hz or dual 4K@30Hz displays.

- Gigabit Ethernet 1000 Mbps speed is supported
- USB 3.1 Gen 2 10 Gbps data transfer rate is supported on the front panel USB-C and USB-A ports
- USB 3.0 5 Gbps data transfer rate is supported on the rear panel ports
- UHS-II SD card data transfer rate at full speed is supported

#### Important Note

Both USB-C host ports must be connected to the computer to support a 2nd display

### 3.5 Connecting Displays with HDMI

- 1) Connect an HDMI cable to the Video 1 and Video 2 ports

**Note:** 2ND VIDEO IN USB-C host port must be connected to support Video 2

- 2) Set the bandwidth switch to **4K@60Hz** or **4K@30Hz**
- 3) Select the HDMI video input from the display menu
- 4) Select the audio output from the computer and input from the display menu

**Video 1**

**Video 2**


**Windows** (Duplicate or Extend your screen)

VIDEO: Press Windows Logo + P



or search *Display* > Click *Adjust Resolution*

AUDIO: Search *Sound* > Click on the display name > *Set Default* > *OK*

**macOS** (Duplicate or Extend your screen)

VIDEO: *Apple* menu > *System Preferences* > click *Displays* > select *Arrangement* tab

AUDIO: *Apple* menu > *System Preferences* > *Sound* > click *Output* tab > select connected display

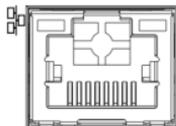
#### Troubleshooting Tips

- Check that your computer supports DisplayPort Alternate Mode over USB-C
- Check that your computer supports two external displays
- 4K@60Hz video resolution requires a 4K video card source, cable, and output display

# Displays	Max Video Resolution	Mode
2	3840x2160@60Hz	4K/60Hz
2	3840x2160@30Hz (Video 1) 3840x2160@60Hz (Video 2)	4K/30Hz
2	2560x1440@60Hz (Video 1) 3840x2160@60Hz (Video 2)	4K/30Hz
2	1920X1200@60Hz	4K/30Hz

### 3.6 Connecting to an Ethernet Network

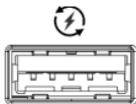
- 1) Connect an RJ45 patch cable to the Dock (Cat 6 recommended for Gigabit Ethernet)
- 2) Connect the patch cable to an active LAN or router port
- 3) Check the documentation of your LAN or router to configure network access
- 4) Link and Status LEDs should blink to indicate a live connection



#### Troubleshooting Tips

- Ethernet network speed is limited to 100-480 Mbps Ethernet when in **4K@60Hz** mode
- Reboot the computer and check that the Link and Status LEDs are lit
- Test the patch cable with a different device or try another Ethernet port

### 3.7 Connecting a USB-A Peripheral Device



**FRONT PANEL**  
2.1A charging+10Gbps



**REAR PANEL**  
data only



**REAR PANEL**  
data only

- 1) Connect a USB 2.0 or 3.0 device to the Dock
- 2) Wait while any needed device drivers are downloaded
- 3) Use *Safely Remove* or *Eject* to remove the device before unplugging (if needed)

#### Notes:

- Front Panel USB-A 3.1 port supports the USB Gen 2 data transfer rate up to 10 Gbps (in **4K@30Hz** mode) and provides fast charging up to 5V/2.1A
- Rear Panel USB 2.0 ports are designed for 2.4 GHz devices such as a mouse/keyboard. USB 2.0 offers less interference for wireless connections.
- USB ports are limited to 480 Mbps (USB 2.0 speed) when the Dock is switched to **4K@60Hz** mode

### 3.8 Connecting a USB-C Peripheral Device

- 1) Connect a USB-C peripheral device
- 2) Wait while any needed device drivers are downloaded
- 3) Transfer files and charge a smartphone



#### Notes:

- USB-C 3.1 port provides charging up to 18 watts (5V/3A, 9V/2A and 15V/1.2A) and a data transfer rate up to 10 Gbps (in **4K@30Hz** mode)
- Not compatible with USB-C video adapters or Thunderbolt 3 devices

### 3.9 Connecting an SD Memory Card

- **microSD Card** slot supports UHS-I microSD/SDHC/SDXC cards
- **SD Card** slot supports UHS-I and UHS-II SD/SDHC/SDXC cards. A microSD card is supported with an SD adapter (sold separately).



#### Installation Instructions

- 1) Insert an SD card into the slot with the label facing up
- 2) SD card should be recognized after downloading any needed drivers
- 3) Always *Safely Remove* or *Eject* the device before unplugging



#### Troubleshooting Tips

- Disconnect the Dock, reboot the computer, and reconnect everything
- Test the SD card with a different card reader

### 3.10 Connecting Audio Devices

- 1) Connect an external 3.5mm mono microphone to the Mic port
- 2) Connect a stereo headset or external speaker to the combo audio port. This port also supports a headset/mic combo.

**Note:**

Configure the audio settings from your computer:

**Windows**

Search *Sound* > Click on the display name > *Set Default* > *OK*

**macOS**

*Apple* menu > *System Preferences* > *Sound* > click *Output* tab > select connected display

**Troubleshooting Tips**

- 3.5mm TS microphone port does not provide power to a mic
- Mono microphone port does not support stereo audio
- Test the cable or device with different equipment

### 3.11 Troubleshooting Tips

Check for more troubleshooting tips and Thunderbolt 3 driver information at:

**[kb.cablematters.com](http://kb.cablematters.com)** (search for 201073)

#### Dock

- Check that the Dock is connected to AC power and that the LED is lit
- Check that your computer is connected to the **DOCK IN** USB-C host port

#### Cabling

- Check that all cable connections are secure
- Test device cables with different equipment

#### Computer Source

- Check the specifications from the manufacturer to see if your computer supports power delivery over USB-C, DP Alternate Mode, and two external displays
- Some laptops require more than 80 watts for charging or do not recognize charging over USB-C
- Reboot the computer after making multiple changes

#### Connected Displays with HDMI

- **2ND VIDEO IN** USB-C host port must be connected to a USB-C port on the computer to support a 2nd display
- Select the HDMI input from the display menu
- Adjust the audio level from the computer and the connected display menu
- Some video adapters may not be compatible for converting the video output. Cable Matters has tested this with our HDMI to VGA (Model 113046) and HDMI to DVI (Model 303002) products.
- Converting from HDMI to DisplayPort is not recommended. Cable Matters offers a USB-C Docking Station with DisplayPort (Model 201054)
- 4K video resolution requires a 4K video card source, cable and output display
- Check the video resolution support list under Section 3.5 (page 7)

#### USB Peripheral Devices

- USB devices must support Battery Charging 1.2 (USB-A) or Power Delivery (USB-C) to benefit from the fast-charging functions of the USB ports on the front panel
- USB-C 3.1 port (front panel) is NOT compatible with USB-C / Thunderbolt 3 video adapters, network adapters, or card readers

Contact **[support@cablematters.com](mailto:support@cablematters.com)** with a description of your computer

#### 4. TECHNICAL SPECIFICATIONS Model 201073

<b>DOCK IN</b> USB-C (host computer):	USB-C with 80W power delivery
<b>2ND VIDEO IN</b> USB-C (host computer):	USB-C
USB-C (downstream/device): (front panel)	USB-C 3.1 Gen 2 with power delivery (5V/3A, 9V/2A, 15V/1.2A) Data transfer rate up to 10 Gbps
USB-A 3.1 (front panel):	USB-A 3.1 Gen 2 with charging (5V/2.1A) Data transfer rate up to 10 Gbps (1 for USB-A, 1 for USB-C)
Ethernet Network Port:	RJ45 8P/8C
microSD Memory Card Slot:	microSD (SDHC/SDXC UHS-I) data transfer rate up to 104 Mbps
SD Memory Card Slot:	SD (SDHC/SDXC UHS-I/UHS-II) data transfer rate up to 312 Mbps
USB-A 3.0 (rear panel):	2x USB-A 3.0 with data transfer up to 5 Gbps (no charging)
USB-A 2.0:	USB-A 2.0 with data transfer up to 480 Mbps (no charging)
Video 1 Port:	HDMI with 8-CH LPCM compressed audio
Video 2 Port:	HDMI with 8-CH LPCM compressed audio
Audio Input:	3.5mm TS Microphone Port (mono)
Audio Output:	3.5mm TRRS Combo Headset/Mic (mono or stereo)
Power:	24V/5A
OS Support:	macOS 10.12 and up, Windows 7 and up / Linux / Chrome OS
Dock Housing (LxWxH):	7.9 x 2.8 x 1.0 Inches
Dock Stand: (LxWxH):	3.4 x 2.8 x 1.8 Inches
Included USB-C Cables:	2x USB-C 3.1 Gen 2 10 Gbps
Compliance:	C E, FCC, RoHS
Warranty:	Limited One-Year

Note: Specifications are subject to change without notice

## 5. WARRANTY & SUPPORT INFORMATION

### 5.1 Customer Support and Contact Information

Cable Matters offers lifetime technical support as an integral part of our commitment to provide industry leading solutions. Email us with any questions at [support@cablematters.com](mailto:support@cablematters.com).

### 5.2 Warranty Information

This product is backed by a limited one-year warranty. The warranty covers parts and labor costs only. Cable Matters does not warrant its products from defects or damages arising from misuse, abuse, or normal wear.

### 5.3 Limitation of Liability

In no event shall Cable Matters Inc. (including their officers, directors, employees or agents) be liable for any damages (whether direct or indirect, special, punitive, incidental, consequential, or otherwise), loss of profits, loss of data, loss of business, or any pecuniary loss, arising out of, or related to the use of this product exceeding the actual price paid for the product (as allowed by state law).

View compatible products at [www.cablematters.com](http://www.cablematters.com)

Certified USB-C™ Gen 2  
Video, Data & 100W Charging Cable  
Model 201025



HDMI® to DVI Cable  
Model 303002

HDMI® to VGA Adapter  
Model 113046

