



USB-C™ Triple 4K Display Docking Station with PD Model 202054



User Manual

- Locate instructions and driver information at:
www.cablematters.com/dl/202054
- Locate troubleshooting information at:
kb.cablematters.com (search for 202054)

support@cablematters.com

Table of Contents

1. INTRODUCTION	1
1.1 Introduction	
1.2 Copyright and Trademarks	
1.3 FCC Compliance Statement	
2. PRODUCT OVERVIEW	
2.1 Package Contents	
2.2 USB-C Docking Station Features	2
2.3 System Requirements	
3. CONNECTION AND OPERATING INSTRUCTIONS	3
3.1 Installation Checklist	
3.2 Panel Diagrams	4
3.3 Connecting the USB-C Docking Station	5
3.4 Connecting Triple Displays	7
3.5 Connecting to an Ethernet Network.....	9
3.6 Connecting a USB-A Peripheral Device	
3.7 Connecting a USB-C Peripheral Device.....	10
3.8 Connecting Audio Devices	
3.9 Troubleshooting Tips	11
4. TECHNICAL SPECIFICATIONS.....	12
5. WARRANTY AND SUPPORT	
5.1 Customer Support and Contact Information	
5.2 Warranty Information	
5.3 Limitations of Liability	

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 the

USB-C™ Triple 4K Display Docking Station with PD

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

Contact support@cablematters.com for product support.

1.2 Copyright and Trademarks

Cable Matters is a registered trademark or trademark of Cable Matters Inc. All rights reserved. All other trademarks are the property of their respective owners.

USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum

DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries.

HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC in the United States and/or other countries.

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

Windows® is a registered trademark of Microsoft Corporation in the U.S. and 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 USB-C Triple 4K Display Docking Station with PD
- 1x USB-C Host cable
- 1x AC Power Adapter
- 1x User Manual

2.2 USB-C Docking Station Features

- Add video, data, and charging functions over a single USB-C or Thunderbolt 3 port
- Provides up to 60W of power delivery charging
- Support a single 5K external display with 2 DisplayPort connected simultaneously
- Support up to triple 4K external displays with DisplayPort input or HDMI input
- Connect to a wired Ethernet network
- Connect the USB peripherals over USB-A Ports for data transfer up to 5 Gbps
- Charge a USB-C peripheral with 7.5W power supply over USB-C port
- Add flash drive, mouse/keyboard combo or other USB equipment with the dedicated USB 3.0 port
- Audio support for a microphone and a headset or speaker
- Secure your device safely with K-Lock design

2.3 System Requirements

Computer:	USB-C equipped port DP Alternate Mode support for video and charging over USB-C Processor: 1.2 gigahertz (GHz) or faster with support SSE2 30 megabytes (MB) of free disk space Graphics processor: Intel, AMD or NVIDIA GPU RAM: 4 GB or more
Supported Systems/OS:	Windows 10/8.1/7/Vista/XP
External Display:	DisplayPort input ports and DisplayPort cables Or HDMI input ports with HDMI cables
Ethernet Network:	Active LAN or router with an available RJ45 Port Cat 6 Ethernet cable (recommended for Gigabit)
USB-A 3.0: (backwards compatible)	USB 3.0 data or charging cable to connect a peripheral device
USB-C 3.1:	USB-C data or charging cable to connect a USB-C device
Audio Port:	3.5mm microphone, speaker, or headset cables
Power:	AC outlet

Note: All cables to connect devices to the Dock are sold separately (excluding the host cable)

3. Connection and Operating Instructions

3.1 Installation Checklist

Driver Requirements

- DisplayLink Driver is required for this device under Windows
- Be prepared to reboot your computer after the driver installation

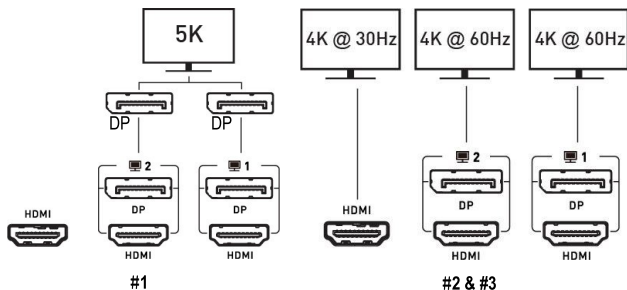
Power Requirements

- The Docking Station must be connected to an AC outlet in order to operate
- Your computer must support power delivery over USB-C for charging

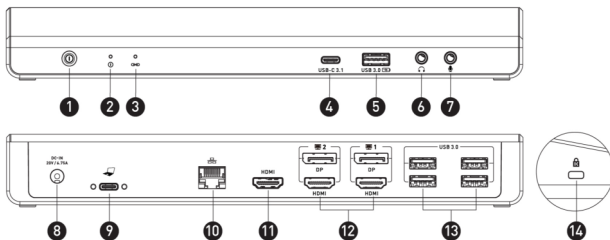
External Display Requirements

- Check if your computer supports DisplayPort Alternate Mode over USB-C
- Resolution is dependent on the video port and external monitors connected
 - #1. Support single 5K over two DisplayPort connected simultaneously to one external display
 - #2. Support 3840x2160@60Hz over the Parallel DisplayPort or HDMI video out port
 - #3. Support 3840x2160@30Hz over the Independent HDMI video out port

*For specific resolution configurations, see images below.



3.2 Panel Diagrams

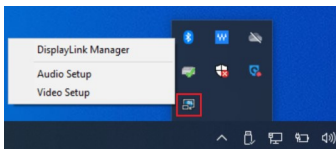
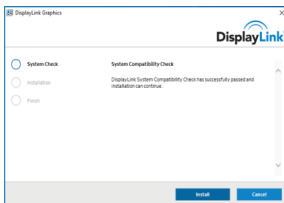


- 1) Power On/Off Switch
- 2) Power Indicator: LED shows Blue when power on
- 3) USB Connection Indicator: LED shows Green when USB connected
- 4) USB 3.1 Type C Port for USB-C device
- 5) USB 3.0 Type A Port with charging
- 6) Headphone Port to a speaker or headphone
- 7) Microphone Port
- 8) Power-in Port (20VDC/6.75A)
- 9) Computer / Host USB-C Port
- 10) RJ45 Ethernet Port supports 10/100/1000 Mbps Gigabit
- 11) HDMI Video Port
- 12) Monitor 1: 1x DisplayPort or HDMI Video Port
Monitor 2: 1x DisplayPort or HDMI Video Port
- 13) 4x USB 3.0 Type A Ports for USB devices or data transfer (up to 5 Gbps)
- 14) K-Lock Port

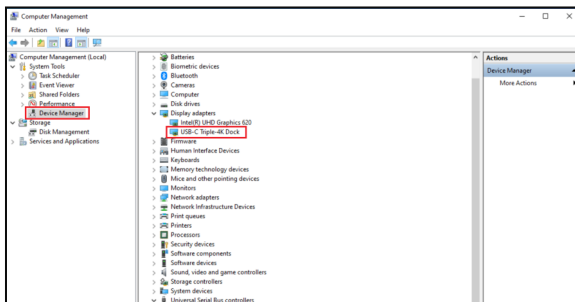
Note: All cables to connect devices to the Dock are sold separately (excluding the host cable)

3.3 Connecting the USB-C Docking Station

- 1) Download and install DisplayLink driver from www.cablematters.com/dl/202054
- 2) Connect the Dock to an AC power outlet or the Dock will not operate
- 3) Connect the included USB-C cable to the USB-C Port on the host computer (Thunderbolt 3 Port Compatible)
- 4) Depress the On/Off button to turn on the Dock
- 5) Verify whether the driver is properly installed, DisplayLink Manager should show on the Windows Desktop in the lower right corner



- 6) When the device is well connected, a device named USB-C Triple-4K Dock should be listed in the Device Manager window

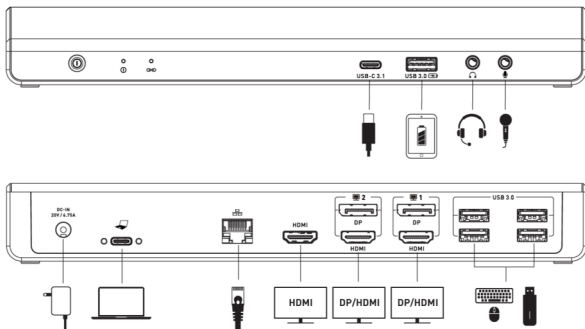


Notes:

- Charge a laptop up to 60 watts while in use with a power delivery equipped USB-C or Thunderbolt 3 port
- Computers requiring more than 60 watts will charge at a slower rate. Some computer models may not charge over USB-C and require an AC power adapter
- DisplayLink driver version is subject to change without notice

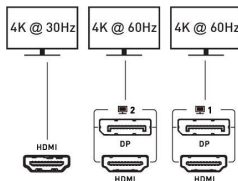

Troubleshooting Tips

- Unplug and re-plug the USB-C host cable to 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 for updated BIOS and USB-C or Thunderbolt 3 drivers
- Test the USB-C cable with a different device
- Check for the latest driver and update when available
- Reinstall DisplayLink driver



3.4 Connecting Triple Displays

- 1) Connect up to three displays using DisplayPort cables or HDMI cables (sold separately)
- 2) Select the DisplayPort video input or HDMI video input from the monitor menu
- 3) Select the audio output from the computer and input from the monitor menu:



Multi-monitor configuration

(Duplicate or Extend the Display)

Video: Select Start > Settings > System > Display

Or, Right Click on Desktop > Display settings

Or, Select DisplayLink Manager > Video Setup

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

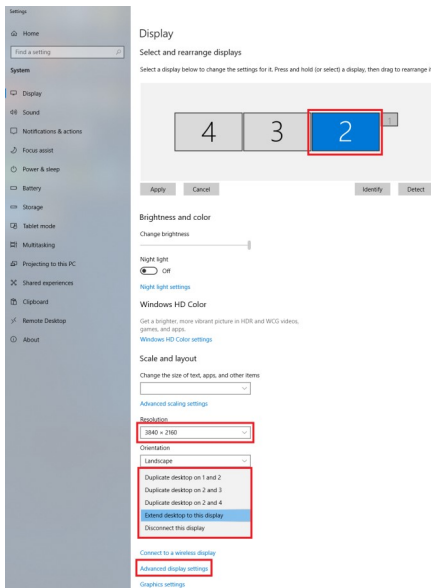
Or, Select DisplayLink Manager > Audio Setup > Select display > *Set Default* > *OK*

Resolution Configurations:

External Displays	Max Resolution	Mode
One External Display with 2 DisplayPort connected	5120x2880@60Hz	5K
DisplayPort x2 HDMI x1	3840x2160@60Hz x2 3840x2160@30Hz x1	4K
DisplayPort x1 HDMI x2	3840x2160@60Hz x2 3840x2160@30Hz x1	4K
HDMI x3	3840x2160@60Hz x2 3840x2160@30Hz x1	4K

Duplicate or Extend the Display:

- 1) Select display 1 - Host > Multiple Displays > Disconnect this display
- 2) Select a display— 2, 3, or 4
- 3) Set the resolution to 3840x2160
- 4) Multiple Displays > Select Extend / Disconnect / Duplicate this display



Troubleshooting Tips

- Check that your computer supports DisplayPort Alternate Mode over USB-C
- 4K UHD video resolution requires a 4K cable and output display
- Restart the docking station when a display is disconnected or having trouble [connecting](#)
- [Some lower resolution videos have poor picture quality in extended mode, try play-back on the primary computer](#)
- [HDCP for viewing protected content is not compatible](#)

3.5 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

- Reboot the computer and check that the Link and Status LEDs are lit
- Test the patch cable with a different device or try another USB-C port on the computer
- Check if your computer recognized the Dock:

Search Device Manager > Display adapters > USB-C Triple-4K Dock

3.6 Connecting a USB-A Peripheral Device

FRONT PANEL



USB 3.0

5V/1.5A charging + data

REAR PANEL



USB devices + data

- 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 3.0 port supports the USB data transfer rate up to 5 Gbps and provides charging up to 5V/1.5A
- Rear Panel USB 3.0 ports are designed to connect your USB devices such as a flash driver, mouse or keyboard
- Maximum data transfer rate is limited to 5 Gbps (USB 3.0 speed)

3.7 Connecting a USB-C Peripheral Device



- 1) Connect a USB-C peripheral device only
- 2) Wait while any needed device drivers are downloaded
- 3) Transfer files and charge a smartphone or a USB-C device
- 4) Provides up to 7.5W power supply
- 5) Not support video out



7.5W charging + data

Notes:

- USB-C 3.1 Gen 1 port provides up to 7.5W power supply and a data transfer up to 5 Gbps

3.8 Connecting Audio Devices



- 1) Connect an external 3.5mm mono microphone to the port
- 2) Connect a stereo headset or external speaker to the audio port

Note:

Configure the audio settings from the computer:

Search *Control Panel* > Click on *Sound* > Adjust *Playback* or *Recording* devices

Or, select *DisplayLink Manager* > *Audio Setup*

Troubleshooting Tips

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

3.9 Troubleshooting Tips

Check for updated drivers from your computer manufacturer
Check for more troubleshooting updates at:

kb.cablematters.com (search for 202054)

Dock

- Check that the Dock is connected to AC power and that the LED is lit
- Check that your computer is connected to the **Host** USB-C port on the rear panel

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, **and** DP Alternate Mode
- Some computers require more than 60 watts for charging or do not accept charging over USB-C
- Reboot the computer after making multiple changes

Connected Displays

- Select the DisplayPort input or HDMI input from the display menu
- Adjust the audio level from the computer and connected display menu
- Some video adapters may not be compatible for converting the video output.
- 4K video resolution requires a 4K video card source, cable, and output display
- Check the video resolution support list under Section 3.4 (page 7)

USB Peripheral Devices

- USB-C 3.1 port (not Host port) is NOT compatible with USB-C adapters or Thunderbolt 3 devices for video output
- Only the USB-A port on the front panel supports charging function

Contact **support@cablematters.com** with a description of your computer

4. TECHNICAL SPECIFICATIONS Model 202054

USB-C (host):	USB Type-C with Power delivery
USB-C (front panel):	USB 3.1 Type-C Female for USB-C Device
Ethernet Network Port:	RJ45
USB 3.0 (front panel):	USB 3.0 Type A Female with Charging
USB 3.0 (rear panel):	USB 3.0 Type A Female for USB Devices or Data
2x DisplayPort Connector:	DisplayPort Video Output up to 3840x2160@60Hz
2x HDMI Connector:	HDMI Video Output up to 3840x2160@60Hz
1x HDMI Connector:	HDMI Video Output up to 3840x2160@30Hz
Audio Input:	3.5mm TS Mic Port
Audio Output:	3.5mm TRS Headset
Power:	20V/6.75A
OS Support:	Windows 10/8.1/7/Vista/XP
Dock Housing (LxWxH):	9.8 x 3.3 x 1.3 Inches
Compliance:	C E, FCC, RoHS
Warranty:	Limited One-Year

Note: Specifications are subject to change without notice

5. WARRANTY AND SUPPORT

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.

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 data, loss of profits, 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). Specifications are subject to change without notice.

View other products at www.cablematters.com

Thunderbolt™ 3 Dock with
60W Power Delivery

Model 107014



USB-C™ Multiport Adapter with
Dual DisplayPort™ and PD

Model 201055

USB-C™ to DisplayPort™ Multiport
Adapter with PD

Model 201046



USB-C™ Dual HDMI® Docking
Station

Model 201053

View compatible products at www.cablematters.com

USB-C Cable with 60W Charging Cable

Model 201009



4K-Rated DisplayPort Cable

Model 102005

4K-Premium Certified HDMI Cable

Model 300016



Snagless Cat 6 Patch Cables

Model 160021