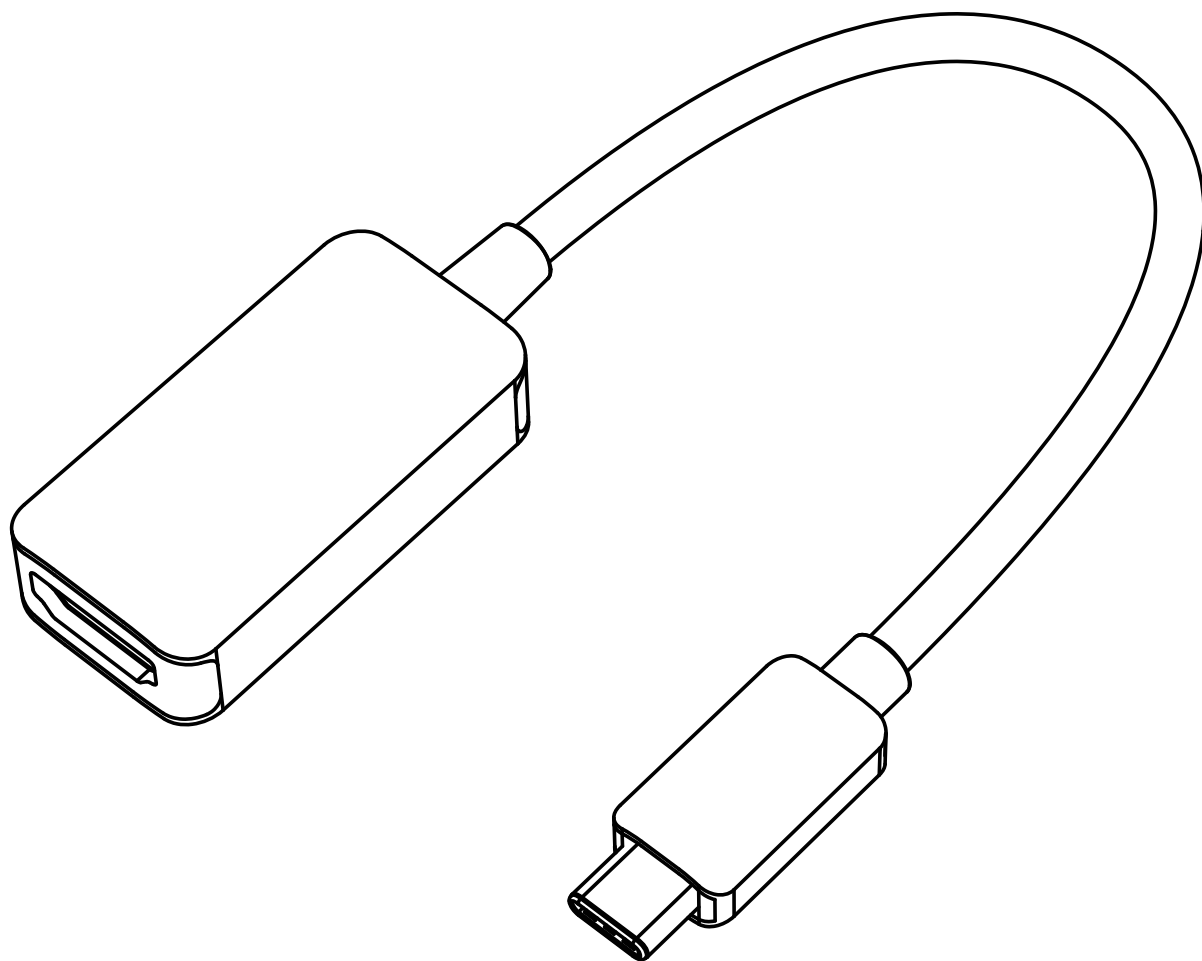




Monoprice™
USB-C® to 8K60 HDMI® 2.1 Adapter

P/N **48228**
User Manual

THANK YOU FOR PURCHASING THIS PRODUCT

For optimum performance and safety, please read these instructions carefully before connecting, operating, or using this product.

SAFETY WARNINGS AND GUIDELINES

Please read this entire manual before using this device, paying extra attention to these safety warnings and guidelines. Please keep this manual in a safe place for future reference.

- This adapter is intended for indoor use only.
- Do not expose this adapter to water or moisture of any kind. Do not place drinks or other containers with moisture on or near the device.
- Do not touch the adapter or any other connected cables with wet hands.
- Do not expose this adapter to excessive vibration. Do not subject the product to extreme force, shock, or fluctuations in temperature or humidity.
- Do not expose this adapter to excessively high temperatures. Do not place it in, on, or near heat sources, such as a fireplace, stove, radiator, etc. Do not leave it in direct sunlight.
- Do not place or install this adapter in an area where it can be exposed to excessive amounts of dust, humidity, oil, smoke, or combustible vapors.
- Prior to operation, check the unit for physical damage. Do not use if physical damage has occurred.
- Handle all cables with care to prevent damage. Avoid crimping, pinching, stepping on, or tangling them with other cords. Always route cables securely to eliminate potential tripping hazards.
- Never unplug devices by pulling on the cords and cables. Always grasp the connector head or adapter body.
- Clean using a soft, dry cloth only. Do not use chemical cleaners, solvents, or detergents. For stubborn deposits, moisten the cloth with warm water.
- This adapter has no user-serviceable parts. Do not attempt to open, service, or modify this device.

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INTRODUCTION

The USB-C to 8K60 HDMI 2.1 Adapter enables you to connect a USB-C host device to an HDMI display for high-resolution video output. It supports HDMI resolutions up to 8K@60 Hz, making it ideal for ultra-high-definition displays such as TVs, monitors, and projectors.

This adapter features a chipset compliant with DisplayPort® (DP) 1.4 Alt Mode, allowing it to deliver stable, high-bandwidth video signals. It is compatible with USB-C host devices that support DP Alt Mode, including laptops, tablets, and smartphones.

Perfect for a variety of scenarios, this adapter is ideal for streaming ultra-HD video to a TV, delivering presentations in 8K clarity, extending your desktop workspace, or enjoying high-frame-rate gaming on a larger screen.

Compact and easy to use, the USB-C to 8K60 HDMI 2.1 Adapter offers a reliable and convenient solution for high-performance video output wherever you need it.

FEATURES

- Supports DP 1.4 Alt Mode; backward compatible with DP 1.2 Alt Mode
- Supports HDMI output up to 8K@60 Hz
- Supports Dynamic HDR10+
- Compliant with HDCP™ 1.4 and 2.3 specifications

- Supports Hot Plug Detection (HPD)
- Supports Display Stream Compression (DSC) 1.1 and 1.2a decoding
- Supports 8-bit, 10-bit, and 12-bit color depth output
- Supports RGB, YCbCr 4:4:4, YCbCr 4:2:2, and YCbCr 4:2:0 pixel formats
- Supports DSC 1.1 to 1.2a transcoding, including 4:4:4 output on Intel platforms (capability not supported by some other solutions)

Note: The actual output resolution, refresh rate, and video pixel format may vary depending on the performance of the source device and the display.

PACKAGE CONTENTS

Please take an inventory of the package contents to ensure you have all the items listed below. If anything is missing or damaged, please contact Monoprice™ Customer Service for a replacement.

- 1x USB-C to 8K60 HDMI 2.1 Adapter
- 1x User Manual

PRODUCT OVERVIEW

1x USB-C Male Input (Connect to Host)

- Supports DP 1.4 Alt Mode
- Supports High Bit Rate 3 (HBR3)
- Supports DSC 1.1 / 1.2a or uncompressed video
- Supports DSC 1.1 / 1.2a decoding
- Supports 8-bit, 10-bit, and 12-bit color depth
- Supports RGB, YCbCr 4:4:4, YCbCr 4:2:2, and YCbCr 4:2:0 pixel formats
- Supports reversible plug orientation (reversible connection)

1x HDMI Female Output

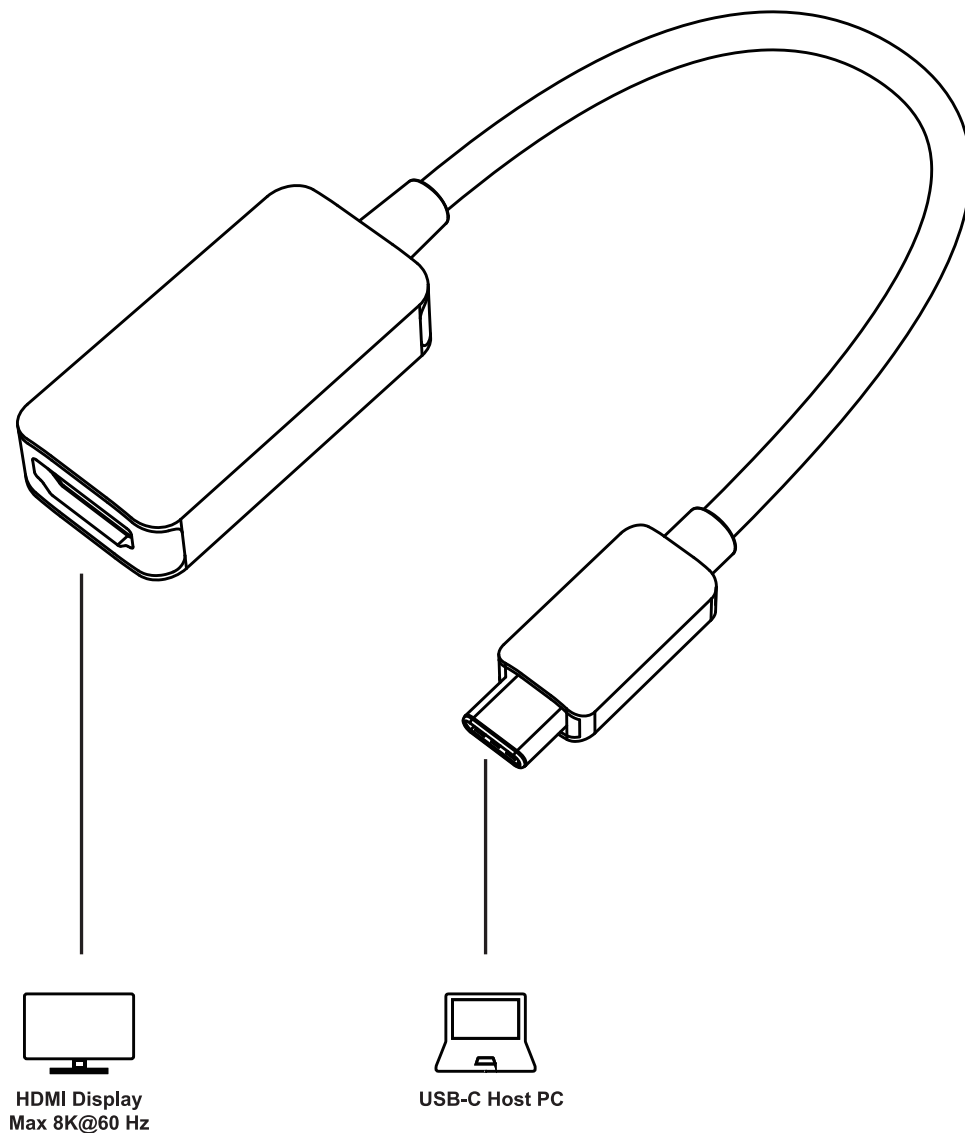
- Supports HDMI output up to 8K@60 Hz
- Supports Dynamic HDR10+
- Compliant with HDCP 1.4 and 2.3 specifications
- Supports HPD
- Supports DSC 1.1 / 1.2a decoding

- Supports 8-bit, 10-bit, and 12-bit color depth output
- Supports RGB, YCbCr 4:4:4, YCbCr 4:2:2, and YCbCr 4:2:0 pixel formats
- Supports LPCM audio format with up to 8-channel 192 kHz sample rate
- Supports High Bit Rate (HBR) audio format up to 2-channel 768 kHz
- Supports 3D audio format up to 16-channel 96 kHz
- Supports DSC 1.1 to 1.2a transcoding and 4:4:4 output on Intel platforms (functionality that may not be supported by other solutions)

OPERATION

1. Connect the USB-C male connector of the adapter to the computer.
2. Connect the HDMI port of the adapter to an HDMI monitor or display.

CONNECTION DIAGRAM



SPECIFICATIONS

Input/Output	
Input	1x USB-C Male
Output	1x HDMI Female
Physical	
Size (L x W x H)	1.7" x 0.9" x 0.4" (43 x 22 x 11 mm)
Weight	0.7 oz (21 g)
Environmental	
Operating Temperature	32 °F – 113 °F / 0 °C – 45 °C
Storage Temperature	14 °F – 158 °F / -10 °C – 70 °C
Operating Humidity	10–85% RH (no condensation)
Storage Humidity	5–90% RH (no condensation)
Electrical	
Power Source	Bus Power
Input Voltage	5 V
Working Power Consumption	< 2 W
Maximum Resolution (HDTV)	8K@60 Hz
Limited Warranty	1 Year
Certifications	FCC
User Manual	English

CUSTOMER SERVICE

The Monoprice™ Customer Service department is dedicated to ensuring that your ordering, purchasing, and delivery experience is second to none. If you have any problems with your order, please give us an opportunity to make it right. You can contact a Monoprice™ Customer Service representative through the Live Chat link on our website **www.monoprice.com** or via email at **support@monoprice.com**. Check the website for support times and links.

TECHNICAL SUPPORT

Monoprice™ is pleased to provide free, live, online technical support to assist you with any questions you may have about installation, setup, troubleshooting, or product recommendations. If you ever need assistance with your new product, please come online to talk to one of our friendly and knowledgeable Tech Support Associates. Technical support is available through the online chat button on our website

www.monoprice.com or through email by sending a message to **tech@monoprice.com**. Check the website for support times and links.

To download the latest drivers, firmware, manuals, etc., go to **www.monoprice.com** and type **48228** into the search bar. If available, support files are linked at the bottom of the product page.

REGULATORY COMPLIANCE

Notice for FCC



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.

Modifying the equipment without Monoprice's authorization may result in the equipment no longer complying with FCC requirements for Class B digital devices. In that event, your right to use the equipment may be limited by FCC regulations, and you may be required to correct any interference to radio or television communications at your own expense.

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.

Notice for ISED Canada

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.

DISPOSAL AND RECYCLING INFORMATION



The symbol indicates that this product should be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electrical and electronics products via designated collection facilities appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. For more detailed information about the disposal of your unwanted product, please contact your local authorities, waste disposal service, or the shop where you purchased the product.

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DisplayPort® and the DisplayPort logo are registered trademarks of the Video Electronics Standards Association.

HDCP™ is a trademark of Digital Content Protection LLC.



TECHNOLOGY AT PRICES THAT MAKE SENSE

www.monoprice.com

Need Help? We're here for you!

Contact us: www.monoprice.com/contactus

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