

# MONOPRICE

Blackbird™ 4K Mini 1x4 HDMI® Splitter

P/N 18785

**User's Manual**

# 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 device is intended for indoor use only.
- Do not expose this device to water or moisture of any kind. Do not place drinks or other containers with moisture on or near the device. If moisture does get in or on the device, immediately unplug it from the power outlet and allow it to fully dry before reapplying power.
- Do not touch the device, the power cord, or any other connected cables with wet hands.
- Do not expose this device 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.
- Prior to operation, check the unit and power cord for physical damage. Do not use if physical damage has occurred.
- Before plugging the unit into a power outlet, ensure that the outlet provides the same type and level of power required by the device.
- Unplug this device from the power source when not in use.
- Never unplug the unit by pulling on the power cord. Always grasp the connector head or adapter body.
- Ensure that power is turned off and disconnected before making any electrical connections.
- 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 device has no user serviceable parts. Do not attempt to open, service, or modify this device.
- Keep away from corrosive materials.

## INTRODUCTION

Thank you for purchasing this Blackbird™ 4K Mini 1x4 HDMI® Splitter! This splitter allows you to distribute a single HDMI signal to up to four displays. It features a 10.2 Gbps bandwidth and supports HDMI video resolutions up to 4K@30Hz, including 1080p@120Hz. It supports Deep Color up to 12-bits/channel, 3D video, and high-definition multichannel audio streams, such as DTS-HD Master Audio™ and Dolby TrueHD™.

## FEATURES

- Distribute a single HDMI® signal to up to four displays
- Supports HDMI® video resolutions up to 4K@30Hz, including 1080p@120Hz
- 10.2 Gbps bandwidth
- Supports 3D video including frame packing for all 3D formats up 297 MHz TMDS clock
- Supports Deep Color up to 12-bits/channel
- Supports high-definition multichannel audio streams, such as DTS-HD Master Audio™ and Dolby TrueHD™

## CUSTOMER SERVICE

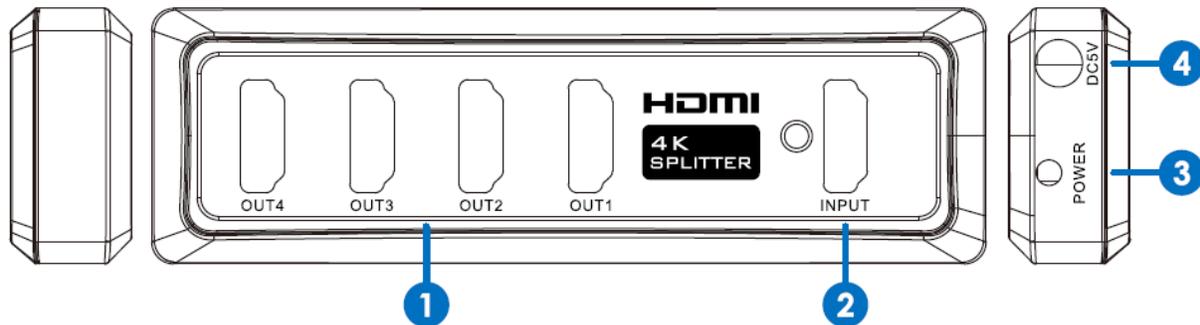
The Monoprice Customer Service department is dedicated to ensuring that your ordering, purchasing, and delivery experience is second to none. If you have any problem with your order, please give us an opportunity to make it right. You can contact a Monoprice Customer Service representative through the Live Chat link on our website [www.monoprice.com](http://www.monoprice.com) during normal business hours (Mon-Fri: 5am-7pm PT, Sat-Sun: 9am-6pm PT) or via email at [support@monoprice.com](mailto:support@monoprice.com)

## 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.

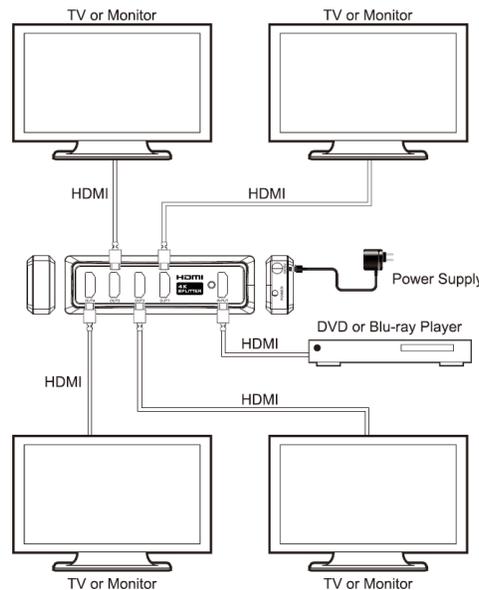
- 1x Mini 1x4 HDMI® splitter
- 1x 5 VDC, 1A AC power adapter
- 1x User's manual

## PRODUCT OVERVIEW



1. **OUT 1-4:** Connections for up to four HDMI® displays.
2. **INPUT:** Connection for the HDMI source.
3. **POWER:** Power LED illuminates when power is applied.
4. **DC5V:** Connection for the AC power adapters.

# INSTALLATION



Perform the following steps to install the splitter:

1. Ensure that all equipment to be connected is powered off and unplugged from its power source.
2. Place the splitter in its intended location.
3. Using High a Speed HDMI® Cable (not included), plug one end into the HDMI input on your display, then plug the other end into one of the **OUT** ports on the splitter. Repeat for up to three more displays.
4. Using a High Speed HDMI Cable (not included), plug one end in the **INPUT** port on the splitter, then plug the other end into the output of your HDMI source device (e.g., DVD or Blu-ray Disc™ player).
5. Plug the barrel connector on included AC power adapter into the **DC5V** jack on the splitter, then plug it into a nearby AC power adapter.
6. Plug in and power on all connected equipment. Start video playback and verify that video can be seen on all connected displays.

*Congratulations, your HDMI splitter installation is successful!*

## TROUBLESHOOTING

Q1: There is video on all displays except one.

A1: Verify that the display is powered on and that the proper input is selected. Try swapping the video cable with a known good one.

Q2: There is no video on any display.

A2: Verify that the video source device is powered on and that video material is being played. Try swapping the video cable with a known good one.

## 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](http://www.monoprice.com) during regular business hours, 7 days a week. You can also get assistance through email by sending a message to [tech@monoprice.com](mailto:tech@monoprice.com)

## SPECIFICATIONS

Model	18785
Inputs	1x HDMI®
Outputs	4x HDMI
HDMI® Version	1.4b
HDCP Version	1.4
Video Bandwidth	10.2 Gbps
Maximum Video Resolution	4K@30Hz, including 1080p@120Hz
Maximum 3D Video Resolution	1080p@60Hz
Color Depth	10-bits or 12-bits / channel
Supported Color Spaces	RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2
Supported Audio Formats (Pass-Through)	2/5.1/7.1-channel LPCM, Dolby® Digital™, 5.1-channel DTS®, Dolby Digital Plus™, Dolby TrueHD™, DTS-HD Master Audio™, Dolby Atmos®
Power Source	5 VDC, 1A AC power adapter
AC Power Adapter Input Power	100 ~ 240 VAC, 50/60 Hz
Power Consumption	1 watt
Operating Temperature	+32 ~ +104°F (0 ~ +40°C)
Storage Temperature	-4 ~ +140°C (-20 ~ +60°C)
Humidity	20 ~ 90% RH, non-condensing
Dimensions	4.5" x 1.4" x 0.7" (114 x 35 x 18 mm)
Weight	1.5 oz. (43g)
Regulatory Compliance	CE, FCC, UL

# 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 Industry 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.

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