



## BLACKBIRD 42194 3 Port USB-C and HDMI 2.0 KVM Switch User Manual

[Home](#) » [BLACKBIRD](#) » BLACKBIRD 42194 3 Port USB-C and HDMI 2.0 KVM Switch User Manual 

# BLACKBIRD™

3-Port USB-C® and HDMI® 2.0  
KVM Switch  
PN 42194  
USER'S MANUAL



## Contents

<b>1 SAFETY WARNINGS AND GUIDELINES</b>
<b>2 FEATURES</b>
<b>3 CUSTOMER SERVICE</b>
<b>4 PACKAGE CONTENTS</b>
<b>5 PRODUCT OVERVIEW</b>
<b>6 SAMPLE CONNECTION DIAGRAM</b>
<b>7 INSTALLATION</b>
<b>8 TECHNICAL SUPPORT</b>
<b>9 SPECIFICATIONS</b>
<b>10 REGULATORY COMPLIANCE</b>
<b>11 Documents / Resources</b>
<b>11.1 References</b>
<b>12 Related Posts</b>

## 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 remove it from its power source 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 excessive vibration.
- Do not subject the product to extreme force, shock, or fluctuations in temperature or humidity.
- Do not expose this device to excessively high temperatures. Do not place it in, on, or near a heat source, such as a fireplace, stove, radiator, etc. Do not leave it in direct sunlight.
- Do not place or install this device 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 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.
- Take care to prevent damage to the power cord. Do not allow it to become crimped, pinched, walked on, or become tangled with other cords. Ensure that the power cord does not present a tripping hazard.
- Never unplug the unit by pulling on the power cord. 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 device has no user-serviceable parts. Do not attempt to open, service, or modify this device.

## FEATURES

- Supports video resolutions up to 4K@60Hz

- Compliant with the HDMI® 2.0 and HDCPTM 2.2 standard.
- Includes one USB Type-C® and two USB Type-A/HDMI inputs
- Supports USB-C® to HDMI video signals
- Support USB-C charging for mobile devices
- Supports high definition multi-channel audio
- USB-C supports the DisplayPort® Alt mode

## 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) or via email at [support@monoprice.com](mailto:support@monoprice.com). Check the website for support times and links.

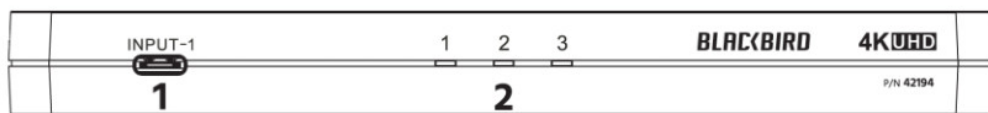
## PACKAGE CONTENTS

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 3-port KVM switch  
 1x AC power adapter  
 1x User's manual

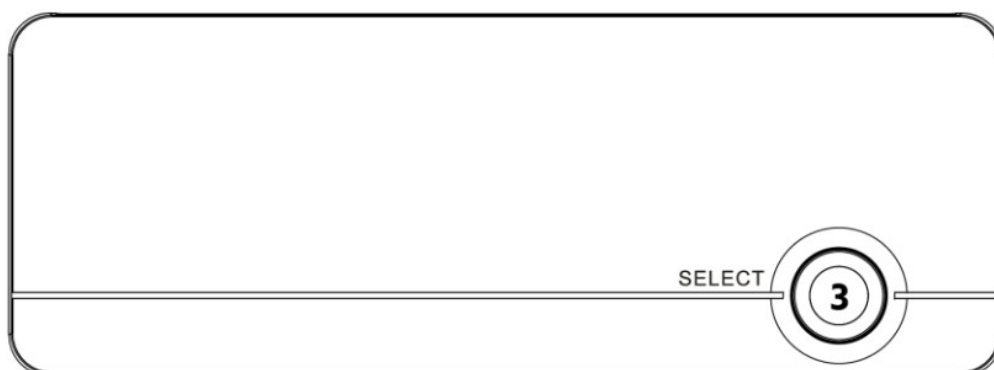
## PRODUCT OVERVIEW

### Front Panel



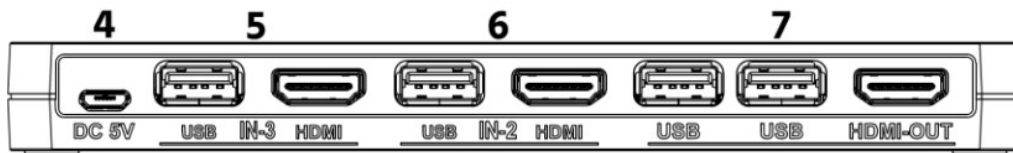
1. INPUT-1: USB Type-C® input.
2. LEDs: One of the LEDs illuminates to indicate the selected input.

### Top Panel



3. SELECT: Press the SELECT button to cycle through the available inputs.

### Rear Panel



4. DC 5V: Micro USB power input for connecting the included AC power adapter.
5. IN-3: USB Type-A and HDMI® input ports.
6. IN-2: USB Type-A and HDMI input ports.
7. OUT: Two USB Type-A ports for connecting a USB keyboard and mouse and an HDMI output for connecting an HDMI display.

## SAMPLE CONNECTION DIAGRAM



## INSTALLATION

Perform the following steps to connect this KVM switch to your system.

1. Power off and unplug all equipment to be connected.
2. Place the switch in its intended location.
3. (Optional) Using a USB 3.1 Gen 1 Type-C® to Type-C cable (not included), plug one end into the INPUT-1 port on the front panel, then plug the other end into the USB-C® port on a compatible USB-C device (Android™ phones and tablets, Apple® iPad Pro® 2019, PC running Mac® OS X® 10.6.6 to 10.11, or PC running Windows® 8/8.1/10).
4. Using a USB 2.0 Type-A to Type-A cable (not included), plug one end into the IN-2 USB port on the rear panel, then plug the other end into an available USB port on a Mac® or Windows® PC.
5. Using a Premium High-Speed HDMI Cable (not included), plug one end into the IN-2 HDMI port on the rear panel, then plug the other end into the HDMI® video output on your PC.
6. Using a USB 2.0 Type-A to Type-A cable (not included), plug one end into the IN-3 USB port on the rear panel, then plug the other end into an available USB port on a Mac® or Windows® PC.
7. Using a Premium High-Speed HDMI Cable (not included), plug one end into the IN-3 HDMI port on the rear

panel, then plug the other end into the HDMI® video output on your PC.

8. Using a Premium High-Speed HDMI Cable (not included), plug one end into an HDMI video input on your display, then plug the other end into the OUT HDMI port on the rear panel.
9. Plug a USB keyboard into one of the OUT USB ports on the rear panel.
10. Plug a USB mouse into one of the OUT USB ports on the rear panel.
11. Plug one end of the included AC power adapter into the DC 5V micro USB port on the rear panel, then plug the adapter into a nearby AC power outlet.
12. Plug in and power on all connected equipment. Use the SELECT button on the top panel to switch between the connected inputs. Verify that the video is displayed and that each keyboard/mouse controllable device can be controlled using your connected keyboard and mouse.

Congratulations, your KVM switch is now installed and ready for use!

## **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) or through email by sending a message to [tech@monoprice.com](mailto:tech@monoprice.com). Check the website for support times and links.

## **SPECIFICATIONS**

Model	42194
Inputs	1x USB Type-C®, 2x USB Type-A and HDMI®
Output	2x USB Type-A, 1x HDMI
Maximum HDMI® Resolution	4K@60Hz
Video Bandwidth	18Gbps
HDMI Version	2.0
HDCPTM Version	2.
Deep Color Support	12-bits/channel, 36-bits total
Pixel Frequency Range	25 – 600 MHz
USB-C® Screen Extension	1080p@60Hz and 4K@60Hz
USB-C Video Standards	HDMI and DisplayPort® Alt mode
USB-C Charging Power	USB 2.0, 5 VDC, 1.5A / 7.5 watts
Compatible USB-C Devices	Android™ Phones and Tablets, Apple® iPad Pro® (2019), Mac® OS X® 10.6.6 -10.11 PCs Windows® 8, 8.1, and 10 PCs
Maximum HDMI Cable Length	up to 9.8 feet (3 meters)
Input Power	5 VDC, 3A
AC Adapter Input Power	100 – 240 VAC, 50/60 Hz
Dimensions	6.7 x 2.5" x 0.7" (170 x 63 x 18 mm)

## 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.

Monoprice™, Blackbird™, the Blackbird logo, and all Monoprice logos are trademarks of Monoprice Inc.

USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum, Inc.

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

HDCPTM is a trademark of Digital Content Protection LLC.

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

Android™ is a trademark of Google LLC.

Apple®, iPad®, iPad Pro®, Mac®, and OS X® are trademarks of Apple Inc., registered in the U.S. and other countries. Microsoft® and Windows® are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.



**TECHNOLOGY AT PRICES THAT MAKE SENSE**

Need Help? We're here for you! Contact us [www.monoprice.com/contactus](http://www.monoprice.com/contactus)



Product pictures are for reference only. Specifications described herein are subject to change without prior notification.

All trademarks are the sole property of their respective companies. Blackbird™ is a Sub-brand of Monoprice Inc.



Copyright © 2020 Monoprice, Inc. All rights reserved.

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

## Documents / Resources

  <small>3-Port USB-C and HDMI 2.0 KVM Switch 42194 (100% MANUAL)</small>	<p><a href="#">BLACKBIRD 42194 3 Port USB-C and HDMI 2.0 KVM Switch</a> [pdf] User Manual</p> <p>42194, 3 Port USB-C and HDMI 2.0 KVM Switch, 42194 3 Port USB-C and HDMI 2.0 KVM Switch</p>
---	--

## References

-  [HDMI Cable, Home Theater Accessories, HDMI Products, Cables, Adapters, Video/Audio Switch, Networking, USB, Firewire, Printer Toner, and more! - Monoprice.com](#)
-  [Support](#)