

BLACKBIRD™



Blackbird™ by Monoprice™
PRO 4K 4×1 HDMI® SWITCH WITH AUDIO EXTRACTOR

P/N **30919**
User Manual

SAFETY WARNINGS AND GUIDELINES

Please read this entire manual before using the Blackbird™ 4K 4×1 HDMI® 2.0 Matrix, 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. Do not place drinks or other containers with moisture on or near the unit. If moisture does get in or on the unit, immediately unplug it from the power source and allow it to fully dry before reapplying power.
- Do not touch this device, the power cord, or any other connected cables with wet hands.
- Do not expose this device to excessive vibration, extreme force, shock, or fluctuations in temperature or humidity.
- Do not expose the unit to excessively high temperatures. Do not place it in, on, or near heat sources, like a fireplace, stove, radiator, etc. Do not leave it in direct sunlight.
- Do not place or install the unit in an area where it can be exposed to excessive amounts of dust, humidity, oil, smoke, or explosive vapors.
- Before 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 transceiver 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 this device by pulling on the power cord. Always grasp the connector head or adapter body.
- Ensure power is turned off and disconnected before making any electrical connections.
- Do not use chemical cleaners or solvents to clean these mounts. Use only a soft cloth that's slightly moistened with warm water.
- This device has no user-serviceable parts. Do not attempt to open, service, or modify it.

⚠ WARNING	
• INGESTION HAZARD: This product contains a button cell or coin battery • DEATH or serious injury can occur if ingested. • A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours. • KEEP new and used batteries OUT OF REACH of CHILDREN • Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body.	

- Remove and immediately recycle or dispose of used batteries according to local regulations and keep them away from children. Do NOT dispose of batteries in household trash or incinerate them.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Identification of compatible battery type: CR2025
- Nominal battery voltage: 3V
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating), or incinerate. Doing so may result in injury due to venting, leakage, or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, different brands, or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

TABLE OF CONTENTS

SAFETY WARNINGS AND GUIDELINES	2
INTRODUCTION	4
FEATURES	4
PACKAGE CONTENTS	5
PRODUCT OVERVIEW	5
CONNECTION DIAGRAM	6
INSTALLATION	6
TECHNICAL SPECIFICATION	7
CUSTOMER SERVICE	8
TECHNICAL SUPPORT	8
REGULATORY COMPLIANCE	8
NOTICE FOR FCC	8
NOTICE FOR ISED CANADA	9
DISPOSAL AND RECYCLING INFORMATION	9

INTRODUCTION

This Blackbird™ Pro4K 4×1 HDMI® 2.0 Switch with Audio Extractor by Monoprice™ allows you to connect up to four HDMI® sources to a single display. It supports video resolutions up to 4K @ 60 Hz YUV4:4:4, including 1080p @ 120 Hz and 3D 1080p @ 60 Hz. It complies with the HDMI® 2.0b and HDCP 2.2 specifications and delivers up to 18 Gbps video bandwidth. It supports 10-bit High Dynamic Range (HDR) video and High Bit Rate (HBR) audio pass-through. It features a built-in retiming and cable driver and extracts 2-channel analog audio for use with powered speakers or an external amplifier or receiver.

FEATURES

- Supports resolutions up to 4K @ 60 Hz YUV4:4:4, including 1080p @ 120 Hz and 3D 1080p @ 60 Hz
- Complies with the HDMI 2.0b and HDCP 2.2 specifications
- Delivers up to 18 Gbps video bandwidth
- Extracts 2-channel analog audio
- Built-in retiming and cable driver
- Supports 10-bit High Dynamic Range (HDR) video pass-through
- Supports High Bit Rate (HBR) audio pass-through

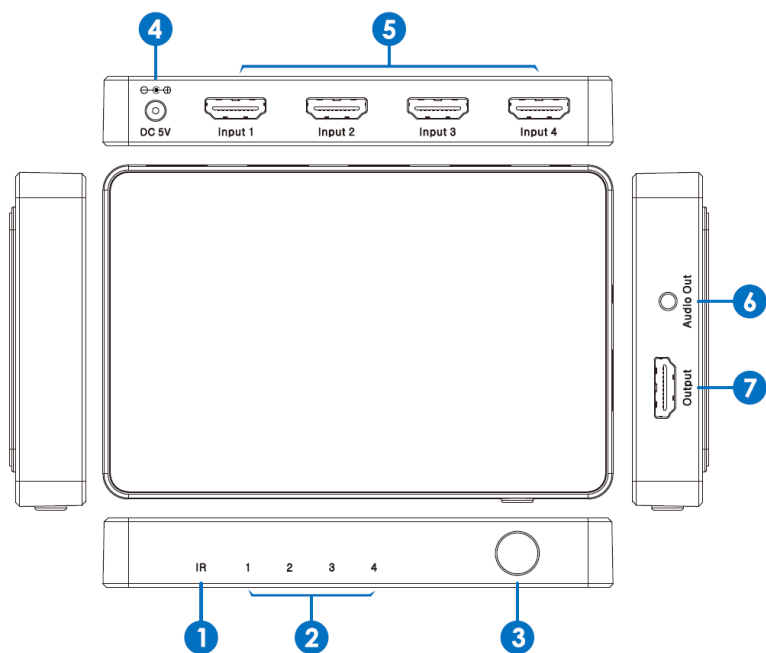
PACKAGE CONTENTS

Take an inventory of the package contents to make sure you have all the items listed below.

Please contact Monoprice Customer Service for a replacement if anything is missing or damaged.

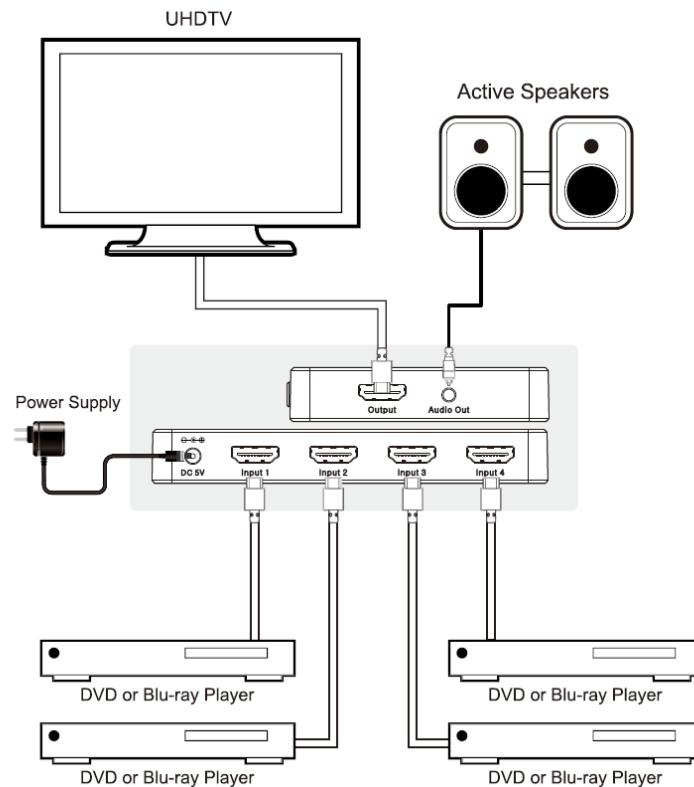
- 1x 4K 4x1 HDMI® Switch
 - 1x IR Remote Control
- 1x AC Power Adapter (5VDC, 1A)
 - 1x User Manual

PRODUCT OVERVIEW



1	IR RECEIVER WINDOW	IR receiver for use with the included IR remote control.
2	INPUT LEDs	The LED will illuminate when the corresponding HDMI® input is selected.
3	SELECT BUTTON	Press the Select button to cycle forward through the available HDMI inputs.
4	DC 5V	DC barrel connector for connecting the included AC power adapter.
5	HDMI INPUTS	Four HDMI® connectors for connecting up to four HDMI video source devices.
6	AUDIO OUT	3.5 mm analog stereo audio output for use with external speakers or to connect to an external amplifier or receiver.
7	HDMI OUTPUT	HDMI® connector for connecting an HDMI® display.

CONNECTION DIAGRAM



INSTALLATION

Perform the following steps to install this switch to your home theater system.

1. Ensure that all equipment to be connected is powered off and unplugged from its power source.
2. Place or mount the switch in its intended location.
3. Using a High-Speed HDMI® Cable (not included), plug one end into the HDMI® input on your display, then plug the other end into the **Output** connector on the switch.
4. Using a High-Speed HDMI® Cable (not included), plug one end into one of the HDMI® **Input** connectors on the switch, then plug the other end into the HDMI® output on your video source device. Repeat for up to three additional video source devices.
5. (Optional) Plug a pair of powered speakers into the **Audio Out** jack on the switch.
6. Plug the DC barrel connector on the included AC power adapter into the **DC 5V** jack on the switch, then plug the adapter into a nearby AC power outlet.
7. Plug in and power on all connected equipment. Start video playback on the video source devices, then either press the **Select** button or use the included remote control to switch to each video source to verify that you can see the video on the connected display.

Congratulations! Your Blackbird™ HDMI® switch is successfully installed and ready for use.

TECHNICAL SPECIFICATION

P/N	30919
Video Inputs	4x HDMI®
Video Output	1x HDMI 1x 3.5mm TRS stereo analog audio
Maximum Video Resolution	4K @ 60 Hz YUV4:4:4, 4K @ 30Hz, 1080p @ 120 Hz, 3D 1080p @ 60 Hz
Video Bandwidth	18 Gbps
HDMI® Version	2.0b
HDCP™ Version	2.2 and 1.4
Color Depth	10 bits and 12 bits per channel
Supported Color Spaces	RGB, YCbCr 4:4:4, YCbCr 4:2:2
HDMI Audio Formats (pass-through)	LPCM 2/5.1/7.1CH, Dolby® Digital™, DTS® 5.1, Dolby Digital Plus™, Dolby TrueHD™, DTS-HD Master Audio™, Dolby Atmos™, DTS:X™
Input Power	5 VDC, 1A
AC Adapter Input Power	100 ~ 240 VAC, 50/60 Hz
Maximum Power Consumption	1 watt
Operating Temperature	+32 ~ +104°F (0 ~ +40°C)
Storage Temperature	-4 ~ +140°F (-20 ~ +60°C)
Relative Humidity	20 ~90% RH, non-condensing
Dimensions	4.8" × 3.1" × 0.6" (121 mm × 79 mm × 16 mm)
Weight	6.9 oz (195 g)
Certifications	CE, FCC, UL

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 allow us 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 **30919** 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 to 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 electronic 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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Need Help? We're here for you!

Contact us: **www.monoprice.com/contactus**

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