

BLACKBIRD™

4K 5x1 HDMI® Switch



P/N 42270

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 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, 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.
- Ensure that power is turned off and disconnected before making any electrical connections.
- Remove the batteries from the controller if it will go unused for a lengthy period of time.
- 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.

INTRODUCTION

This 4K 5x1 HDMI® Switch allows you to distribute any of up to five HDMI video source devices to a single HDMI display. It supports up to 18Gbps video bandwidth and a 4K@60Hz maximum video resolution with YCbCr 4:4:4 color space, as well as all HDMI 3D video modes. It complies with the HDMI 2.0 and HDCP™ 2.2 standards and supports HDR, HDR10, Dolby Vision™, and Hybrid Log-Gamma (HLG). It can be manually controlled using the top panel button or the included IR remote control.

FEATURES

- Supports video resolutions up to 4K@60Hz YCbCr 4:4:4, as well as all HDMI® 3D video modes
- 5 HDMI video inputs and 1 HDMI video output
- Supports up to 18Gbps video bandwidth
- Complies with the HDMI 2.0, HDCP™ 2.2/1.x, and DVI™ 1.0 specifications
- Supports HDR, HDR10, Dolby Vision™, and Hybrid Log-Gamma (HLG)
- USB powered with low power consumption
- Includes an IR remote control

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** or via email at **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 4K 5x1 HDMI® Switch

1x IR Remote Control

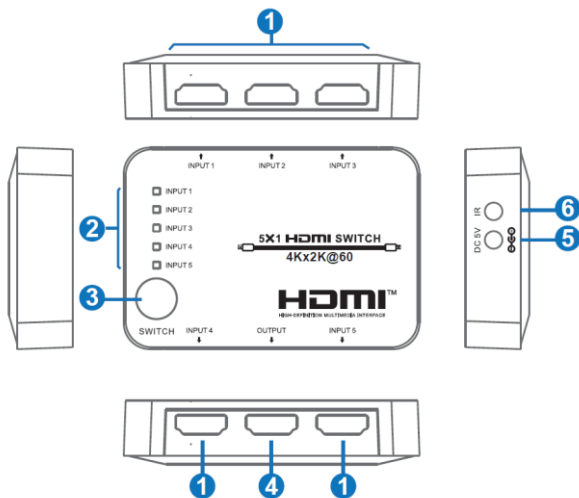
1x IR Receiver

1x USB Power Cable

1x User's Manual

PRODUCT OVERVIEW



Switch

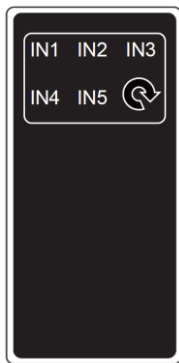


1. **INPUTS:** Five HDMI® input ports for connecting video source devices.
2. **INPUT LEDS:** Five LEDs, one of which illuminates to indicate which video input is selected.
3. **SWITCH:** Press the **SWITCH** button to cycle forward through the available inputs.

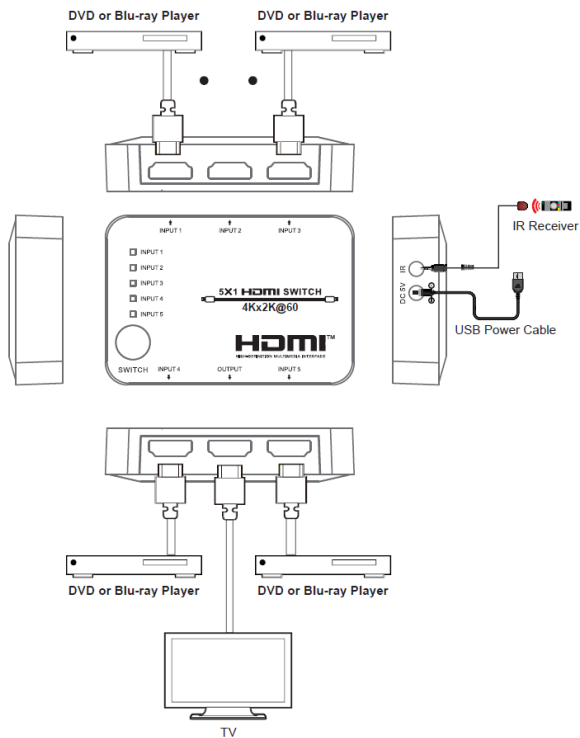
4. **OUTPUT:** HDMI port for connecting the video display.
5. **DC 5V:** DC barrel connector for connecting the included USB power cable.
6. **IR:** 3.5mm jack for connecting the included IR receiver.

Remote Control

- **IN1:** Press the **IN1** button to directly select video input 1.
- **IN2:** Press the **IN2** button to directly select video input 2.
- **IN3:** Press the **IN3** button to directly select video input 3.
- **IN4:** Press the **IN4** button to directly select video input 4.
- **IN5:** Press the **IN5** button to directly select video input 5.
- : Press the  button to cycle forward to the next available video input.



SAMPLE CONNECTION DIAGRAM



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 the P/N into the search bar. If available, support files are linked at the bottom of the product page.

SPECIFICATIONS

P/N	42270
Video Inputs	5x HDMI®
Video Output	1x HDMI
Maximum Video Resolution	4K@60Hz
Video Bandwidth	Up to 18Gbps

HDMI® Version	2.0
HDCP™ Version	2.2
Color Depth	8 bits/channel
Supported Color Spaces	RGB, YCbCr 4:4:4/4:2:2
Input Power	USB (5 VDC, 1A)
Power Consumption	1.5 watts
Operating Temperature	+32 ~ +104°F (0 ~ +40°C)
Storage Temperature	-4 ~ +140°F (-20 ~ +60°C)
Operating Humidity	20 ~ 90% RH, noncondensing
Dimensions	3.4" x 2.4" x 0.7" (87 x 60 x 19 mm)
Weight	2.1 oz. (60g)

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.

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

HDCP™ is a trademark of Digital Content Protection LLC.

Dolby®, Dolby Vision™, and the double-D symbol are trademarks of Dolby Laboratories.

DVI™ is a trademark of the Digital Display Working Group.

Blu-ray Disc™, Blu-ray™, and the logos are trademarks of the Blu-ray Disc Association.