

BLACKBIRD™

4K Pro HDMI® 2.0 Repeater



P/N 15650

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 expose this device to excessive vibration or extreme force, shock, or fluctuations in temperature or humidity.

- Do not expose this device to excessively high temperatures.
- 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 Blackbird™ 4K Pro HDMI® 2.0 Repeater amplifies and equalizes an HDMI signal, allowing it to be extended further than otherwise possible. It can extend 4K@60Hz 4:4:4 signals up to 26 feet (8 meters), 4K@60Hz 4:2:0 up to 49 feet (15 meters), or 1080p@60Hz up to 65 feet (20 meters). It provides up to 18Gbps bandwidth and supports Clock Data Recovery (CDR) to ensure no signal loss.

FEATURES

- Complies with the HDMI® 2.0, HDCP™ 2.2, and DVI™ 1.0 standards
- Provides 18Gbps video bandwidth
- Supports resolutions up to 4K@60Hz 4:4:4
- Supports HLG, HDR 10, HDR 10+, and Dolby Vision™
- Can extend 4K@60Hz 4:4:4 signals up to 26 feet (8 meters), 4K@60Hz 4:2:0 up to 49 feet (15 meters), or 1080p@60Hz up to 65 feet (20 meters)

- Built-in TMDS® equalization and Clock Data Recovery (CDR)
- Bus powered - no external power required

ONLINE SUPPORT

Monoprice is pleased to provide free online support. For order related issues, contact the Customer Service department through the Live Chat link on our website **www.monoprice.com** or via email at **support@monoprice.com**

For technical issues, contact the Technical Support department through the online chat

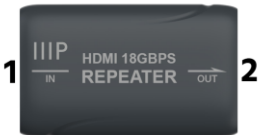
button on our website www.monoprice.com or by sending an email to tech@monoprice.com
Check the website for support times and links.

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 HDMI® 2.0 Repeater
- 1x User's Manual

PRODUCT OVERVIEW



1. **IN:** HDMI® port for connecting the video source device.
2. **OUT:** HDMI port for connecting the video display.

SAMPLE CONNECTION DIAGRAM



SPECIFICATIONS

P/N	15650
Maximum Resolution	4K@60Hz YCbCr 4:4:4

HDMI® Version	2.0
HDCP™ Versions	2.2 / 1.x
Video Bandwidth	18Gbps
Supported Color Depths	1080p@60Hz: 8-bit, 10-bit, 12-bit 4K@60Hz 4:4:4: 8-bit 4K@60Hz 4:2:2/4:2:0: 8-bit, 10-bit, 12-bit
Supported Color Spaces	RGB, YCbCr 4:4:4, YCbCr 4:2:2/4:2:0

HDMI® Audio Formats	PCM 2.0/5.1/7.1, Dolby® 5.1, DTS® 5.1, Dolby TrueHD™, DTS-HD™
Operating Temperature	+32 ~ +104°F (0 ~ +40°C)
Storage Temperature	-4 ~ +140°F (-20 ~ +60°C)
Operating Humidity	20 ~ 90% RH, noncondensing
Dimensions	2.0" x 1.0" x 0.6" (50 x 25 x 15 mm)

Weight	0.5 oz. (13g)
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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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