



**Blackbird™ 4K Multi Format HDMI® Converter  
with 4K Scaler**

P/N 30918

**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 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.
- 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.
- 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.
- 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.
- 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 Multi Format HDMI® Converter allows you to convert a wide variety of audio and video formats to a high resolution HDMI signal. It supports video resolutions up to 4K@30Hz, including 1080p@60Hz. It features composite (CVBS), component (YPbPr), VGA, and two HDMI inputs, as well as a stereo audio input for the VGA signal. It seamlessly scales all video to the selected resolutions and includes a coaxial S/PDIF digital audio output for use with an external amplifier or receiver. It includes two USB ports for connecting USB drives and can playback a number of audio, video, and image formats.

# FEATURES

- 1x CVBS, 1x YPbPr, 1x VGA, 2x HDMI, and 2x USB inputs
- USB video, image, and audio playback
- Selectable output resolution to 1280x1024@60Hz, 720p@60Hz, 1080p@60Hz, and 4K@30Hz
- Supports PAL, NTSC, and SECAM color systems
- -5% to +5% display ratio range control
- Auto detect function (except USB)
- Brightness, contrast, color, sharpness, and hue controls
- Soft, standard, bright, and personal preset picture modes
- Automatically saves the picture mode setting for each input
- Geometry control for VGA input with auto tune function
- Can capture USB image and save as user defined logo
- Includes IR remote control with volume 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](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 Blackbird™ 4K Multi Format HDMI® Converter

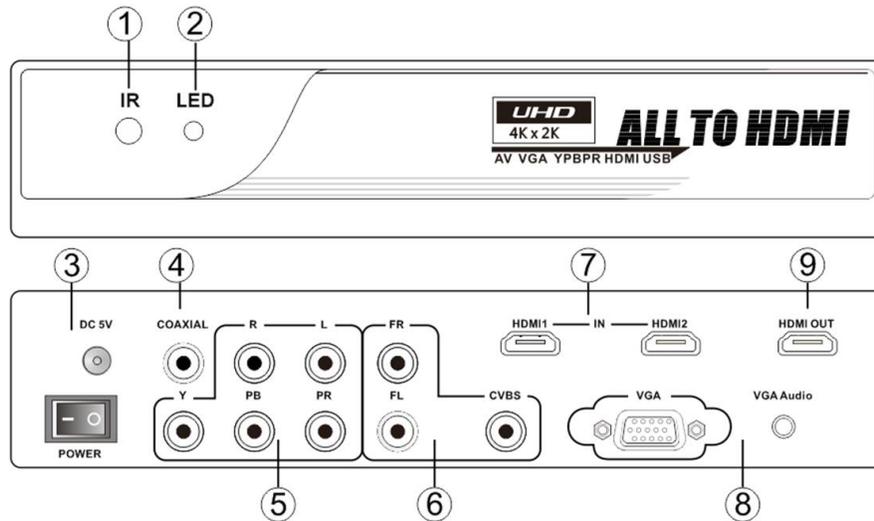
1x IR Remote Control

1x AC Power Adapter (5 VDC, 2A)

1x User's Manual

# PRODUCT OVERVIEW

## Converter



1. **IR:** IR receiver window to receive signals from the included IR remote control.
2. **LED:** The LED illuminates blue when the unit is powered on and illuminates red when the unit is in standby mode.
3. **DC 5V:** DC barrel connector for connecting the included AC power adapter.
4. **COAXIAL:** Coaxial RCA S/PDIF digital audio output for connecting an external amplifier or receiver.
5. **YPBPR:** Five RCA connectors for attaching a component video (YPbPr) and stereo audio source device.
6. **CVBS:** Three RCA connectors for attaching a composite (CVBS) and stereo audio source device.
7. **HDMI IN:** Two HDMI® video inputs.
8. **VGA:** VGA connector and 3.5mm stereo audio input for connecting a laptop or PC.
9. **HDMI OUT:** HDMI output connector for attaching an HDMI display.
10. **USB:** Two USB ports on the side (not shown) are for connecting USB drives.

## Remote Control

**Power:** Press the **Power** button to turn the converter on or to put it in standby mode.

**Source:** Press the **Source** button to display the Source Menu.

**USB:** Press the **USB** button display the contents of a connected USB drive.

**Picture:** Press the **Picture** button to cycle through the Soft, Standard, Bright, and Personal picture modes.

**Ratio:** Press the **Ratio** button to adjust the display ratio, from -5% to +5%.

**Navigation:** Press the arrow buttons to navigate the menus.

**OK:** Press the **OK** button to select a menu item or to confirm a change.

**Menu:** Press the **Menu** button to display the Main Menu or to exit the current menu.

**Exit:** Press the **Exit** button to close the menu system or to exit USB playback mode.

**Vol-:** Press the **Vol-** button to decrease the output volume level.

**Vol+:** Press the **Vol+** button to increase the output volume level.

**Output:** Press the **Output** button to cycle through the four output resolutions (1024x768@60Hz, 720p@60Hz, 1080p@60Hz, and 4K@30Hz).



## INPUT FORMATS

The converter accepts the following input formats.

- **CVBS:** NTSC, PAL, and SECAM with stereo audio
- **YPbPr:** 1080p@50/60Hz, 1080i@50/60Hz, 720p@50/60Hz, 576i/p, 480i/p with stereo audio
- **VGA:** 640x480@60Hz, 800x600@60Hz, 1024x768@60Hz, 2380x2024@60Hz, 1280x720@60Hz, 1360x768@60Hz, 1440x900@60Hz, 1680x1050@60Hz, 1920x1080@60Hz with stereo audio

- **HDMI:** 480i to 4K@30Hz
- **USB:** MPEG, H.264, RM/RMVB movie decode; JPEG, BMP, PNG picture decode; MPEG1/2, MP3 audio decode

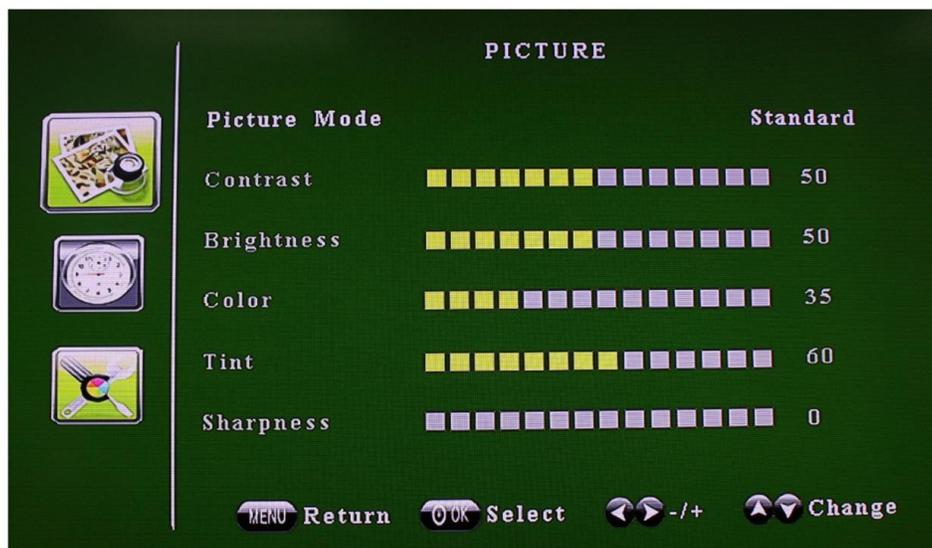
## MENU SYSTEM

### Source Menu

- Press the **Source** button on the remote control to display the Source Menu.
- Use the **Up** and **Down** arrow buttons on the remote control to move the highlight up or down.
- Press the **OK** button to select the highlighted input.
- Press the **Exit** button to exit the menu without selecting an input.



### Main Menu



- Press the **Menu** button on the remote control to display the Main Menu.
- Press the **Up** and **Down** arrow buttons on the remote control to select the Picture Menu, Geometry Menu, or Setting Menu.

- Once the desired menu is highlighted, press the **Right** arrow button on the remote control to enter the menu.
- Once inside the menu, press the **Up** and **Down** arrow buttons on the remote control to highlight one of the menu entries.
- Once the highlight is on the desired entry, press the **OK** button on the remote control to select it for editing.
- When editing a menu entry, use the **Left** and **Right** arrow keys on the remote control to decrease or increase the selected value or to cycle backward or forward through the available options.
- Once the desired setting value is displayed, press the **OK** button to save the change.
- Press the **Exit** button on the remote control to cancel editing without saving any changes made.
- Press the **Menu** button on the remote control to exit the Picture Menu, Geometry Menu, or Setting Menu and return to the Main Menu.
- Press the **Exit** button on any menu to exit the menu system.

## Picture Menu

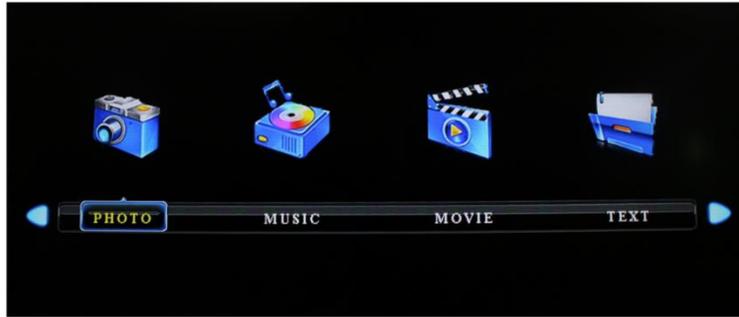
- The Picture Menu allows you select one of the four picture modes.
- When the Personal picture mode is selected, you can set the Contrast, Brightness, Color, Tint, and Sharpness. These values are fixed for the other three picture modes.

## Setting Menu

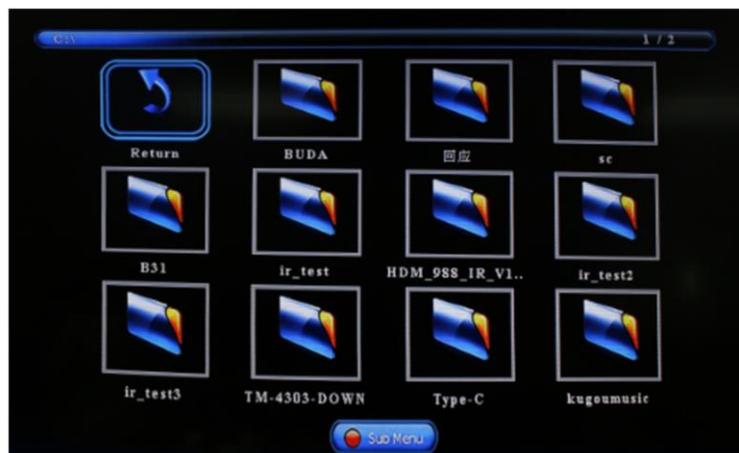
- The Setting Menu allows you to turn the Auto Check Source function On or Off.
- When Auto Check Source is enabled, the converter will automatically switch to a newly detected video source. For example, if you are watching a composite video source and an HDMI® source is turned on, the converter will switch to the HDMI source.
- The converter will not switch to the USB source when a USB drive is connected.

## USB Menu

1. Press the **USB** button on the remote control or select the **USB** entry on the Source Menu.
2. Press the **Menu** button on the remote control to display the Media Type Selection Menu.



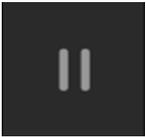
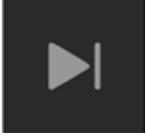
3. Use the **Left** and **Right** arrow keys on the remote control to highlight the desired media type, then press the **OK** button on the remote control to select the highlighted media type.
4. Use the **Left** and **Right** arrow keys on the remote control to select the USB device (disk alias), then press the **OK** button on the remote control to display the files and directories on the disk.
5. Use the **Navigation** buttons on the remote control to highlight a file or directory. If a directory is highlighted, press the **OK** button on the remote control to enter the directory. If a file is highlighted, press the **OK** button on the remote control to play or view the file.



# USB CONTROLS

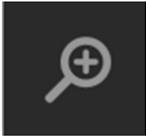
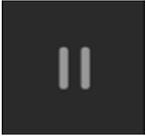
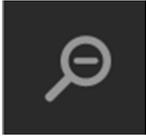
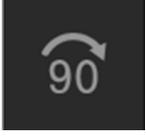
Once a USB media file is being played or viewed, the screen will show playback controls in the form of icons on the screen appropriate to the media type. Use the **Navigation** buttons on the remote control to move the highlight to the desired control icon, then press the **OK** button to activate the highlighted control.

## Movie Playback Controls

	Play		Repeat
	Pause		Repeat A->B
	Fast Reverse		Media File Information
	Fast Forward		Slow Forward
	Previous		Ratio
	Next		Brightness

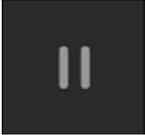
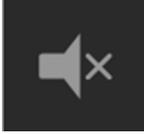
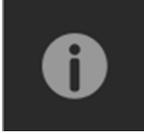
	Stop		Contrast
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## Image Playback Controls

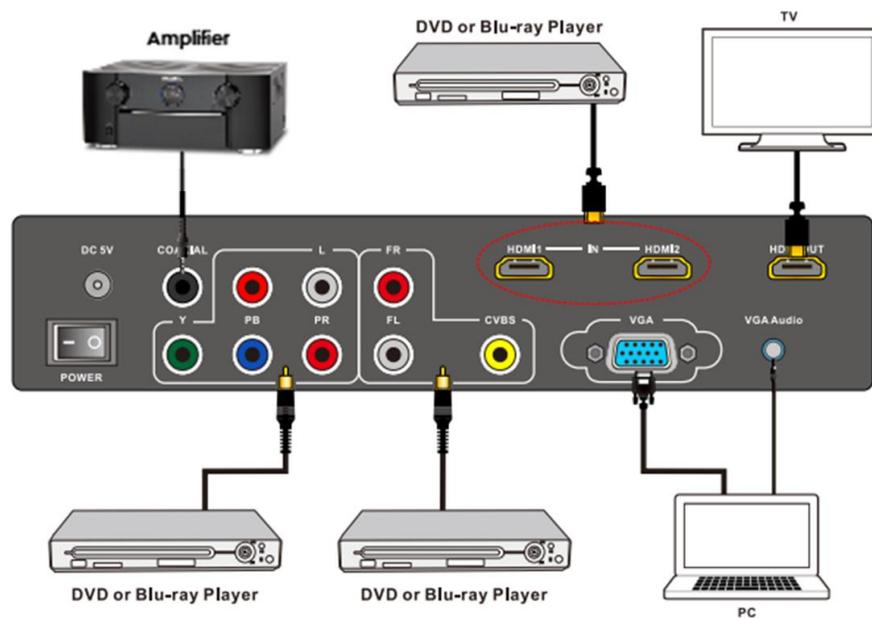
	Slide Show		Zoom In
	Pause		Zoom Out
	Previous		Move
	Next		Repeat
	Stop		Brightness
	Rotate Clockwise		Contrast

	Rotate Counterclockwise		Capture and Save as Logo
	Background Music		

### Audio Playback Controls

	Play		Next
	Pause		Stop
	Fast Reverse		Repeat
	Fast Forward		Mute
	Previous		Media File Information

## 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](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	30918
Video Inputs	4x HDMI®, 1x VGA, 1x Component (YPbPr), 1x Composite (CVBS), 2x USB
Video Outputs	1x HDMI
Output Resolution	1280x1024@60Hz, 720p@60Hz, 1080p@60Hz, and 4K@30Hz
Video Amplifier Bandwidth	165 MHz per channel (495 MHz total)
HDMI Version	1.4
HDCP Version	1.2
Input Power	5 VDC, 2A
AC Adapter Input Power	100 ~ 240 VAC, 50/60 Hz
Maximum Power Consumption	3 watts
Operating Temperature	+32 ~ +104°F (0 ~ +40°C)
Storage Temperature	-4 ~ +140°F (-20 ~ +60°C)
Relative Humidity	20 ~ 90% RH, non-condensing
Dimensions	6.9" x 5.0" x 1.6" (176 x 127 x 40 mm)
Weight	10.5 oz. (299 g)
Regulatory Compliance	FCC, CE, RoHS, UL

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