

RGBlink MSP331U

RGBlink 4K60 Game Capture Card Instruction Manual

Model: MSP331U | Brand: RGBlink

INTRODUCTION

The RGBlink MSP331U is a high-performance 4K60 game capture card designed for seamless streaming and recording on various platforms including PS5, Xbox, PC, and more. It offers uncompressed 4K video capture at 60 frames per second with HDR support, ensuring every detail is preserved for professional-grade video quality. With its plug-and-play USB 3.1 compatibility across Windows, macOS, and Linux, it provides a fast and stable connection without the need for additional drivers. The device also features versatile audio mixing capabilities and ultra-low latency for real-time performance, making it an ideal solution for content creators and live broadcasters.



Figure 1: RGBlink 4K60 Game Capture Card (Grey-4k video capture)

SETUP GUIDE

What's in the Box

- RGBlink MSP331U Capture Card
- USB-A/C to USB-C Cable (40 inches)
- User Manual

Connecting Your Device

The RGBlink MSP331U is designed for effortless plug-and-play operation. Connect your HDMI source (e.g., PS5, Xbox, PC, camera, TV box) to the HDMI Input port on the capture card. For monitoring, connect an external display to the HDMI Loop Out port. Finally, connect the capture card to your computer (Windows, macOS, or Linux) using the provided USB 3.1 Type-C cable. The device will be automatically recognized by your operating system, allowing you to begin capturing or streaming immediately.

INTERFACE DIAGRAM



Figure 2: Interface Diagram showing HDMI In, Audio In, USB Out, Audio Out, and HDMI Loop Out ports.

SEAMLESS PLUG-AND-PLAY COMPATIBILITY



Figure 3: The capture card offers seamless plug-and-play compatibility with Windows, Mac, and Linux operating systems, supporting popular software like OBS and Potplayer.

OPERATING INSTRUCTIONS

Audio Capture and Mixing

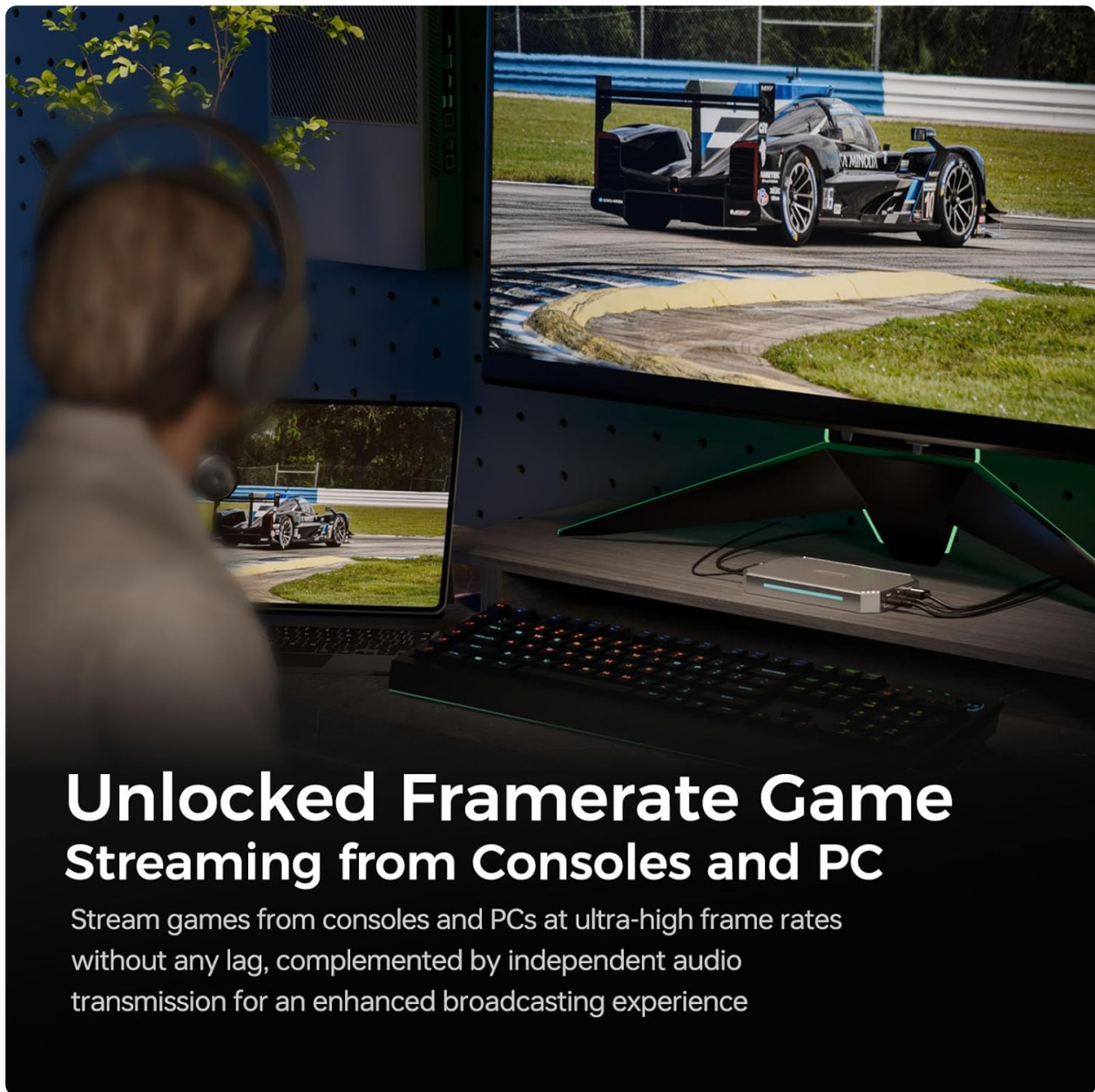
The MSP331U allows for versatile audio capture and mixing. You can mix HDMI audio with external line-in audio using the 3.5mm analog input. This feature is ideal for integrating commentary or other audio sources directly into your stream or recording. The device supports crystal-clear audio with a 24-bit color depth and 48kHz sample rate, ensuring high-fidelity sound for your content.



Figure 4: The capture card supports 24-bit audio depth and 48kHz sampling rate for high-quality audio capture.

Streaming and Recording

This capture card is fully compatible with popular streaming and recording software such as OBS, Twitch, and Vmix. It supports uncompressed 4K video at 60fps with HDR, and 2K at 240Hz, providing ultra-low latency (under 100ms) for real-time feedback. This ensures your streams and recordings are crisp, vibrant, and lag-free, enhancing the viewer experience. The dynamic light pipe on the front of the device indicates the signal strength and capture status, allowing you to monitor your connection at a glance.



Unlocked Framerate Game Streaming from Consoles and PC

Stream games from consoles and PCs at ultra-high frame rates without any lag, complemented by independent audio transmission for an enhanced broadcasting experience

Figure 5: Stream games from consoles and PCs at ultra-high frame rates without any lag, complemented by independent audio transmission for an enhanced broadcasting experience.

APPS & Platform Compatibility

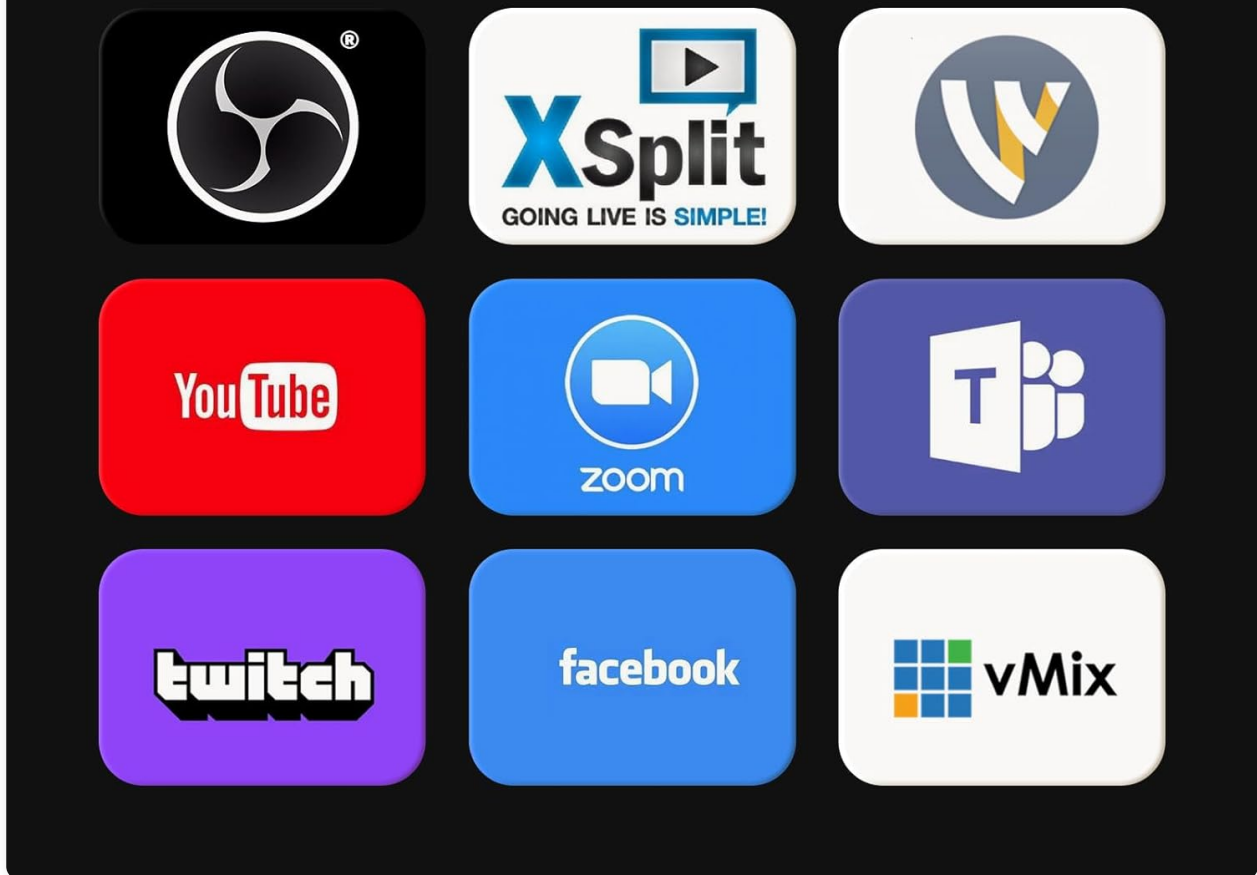


Figure 6: The RGBlink MSP331U is compatible with a wide range of applications and platforms, including OBS, XSplit, YouTube, Zoom, Twitch, Facebook, and vMix.

MAINTENANCE

To ensure the longevity and optimal performance of your RGBlink 4K60 Game Capture Card, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to gently wipe the exterior of the device. Avoid using liquid cleaners or abrasive materials, as they may damage the finish or internal components.
- **Storage:** When not in use, store the capture card in a cool, dry place away from direct sunlight and extreme temperatures.
- **Heat Management:** The robust metal construction of the RGBlink MSP331U is designed to dissipate heat effectively, preventing overheating during extended use. Ensure adequate airflow around the device to maintain optimal operating temperatures.

- **Cable Care:** Handle all cables with care. Avoid sharp bends or kinks, and always grasp the connector when plugging or unplugging to prevent damage to the cable or ports.

TROUBLESHOOTING

If you encounter issues with your RGBlink 4K60 Game Capture Card, please refer to the following common problems and solutions:

- **Device Not Recognized / Not Working on All USB Ports:** Some users have reported that the device can be sensitive to specific USB 3.x ports, particularly very fast ones (e.g., USB 3.2 Gen 2). If the device is not recognized or is unstable, try connecting it to a different USB 3.0 or USB 3.1 port on your computer. Ensure your USB drivers are up to date.
- **Video Freezing or Artifacts (especially with cameras):** If you are using a camera as an input source, ensure its settings (resolution, frame rate) are configured correctly and are compatible with the capture card's capabilities. Incorrect settings can lead to instability.
- **No Signal / Black Screen:** Verify that all HDMI and USB cables are securely connected. Ensure your input source is powered on and outputting a signal. Check the dynamic light pipe on the capture card; if it's red, there might be no input signal.
- **Audio Issues:** Confirm that audio settings in your capturing software (e.g., OBS) are correctly configured to capture audio from the RGBlink device. Check the 3.5mm audio input/output connections if you are using external audio sources.
- **Performance Issues (Lag/Stuttering):** While the MSP331U offers ultra-low latency, ensure your computer meets the recommended system requirements for 4K60 capture and streaming. Close unnecessary background applications to free up system resources.

For further assistance, please refer to the official RGBlink support resources or contact their customer service.

TECHNICAL SPECIFICATIONS

Feature	Detail
Brand	RGBlink
Series	Video Capture Card
Item Model Number	MSP331U
Operating System Compatibility	Linux, MacOS, Windows
Item Weight	1.94 pounds
Product Dimensions (LxWxH)	5.15 x 3.18 x 0.09 inches
Color	Grey-4k video capture

Manufacturer	Xiamen RGBlink Science & Technology Co.,Ltd.
Country of Origin	China
Date First Available	September 20, 2024
Hardware Interface	USB 3.1 Type C, HDMI
Video Capture Resolution	4K
Recommended Uses For Product	Video Recording

WARRANTY AND SUPPORT

Product Protection Plans

Optional protection plans may be available for your RGBlink 4K60 Game Capture Card. These plans can offer extended coverage beyond the standard manufacturer's warranty. For details on available plans, please check with your retailer at the time of purchase.


- **4-Year Protection Plan:** One-time payment of \$17.99 (USD).
- **Complete Protect:** Monthly payment of \$16.99 (USD/month), covering all eligible past and future purchases.

Manufacturer Information

RGBlink is a leading manufacturer of pro video scaling, switching, and routing technologies, founded in 2009. With years of dedicated R&D experience, RGBlink has a global presence in over 140 countries and regions, serving over 200,000 live streams. They are committed to providing advanced video processing and switching solutions.

For direct support and to explore more products, visit the [RGBlink Store](#).

Related Documents - MSP331U

 The image shows the cover of the user manual for the RGBlink MSP 331 Family. It features the RGBlink logo at the top, followed by the product name 'MSP 331 Family' and its specifications: 'HDMI 2.0/120/30P & Dual HDMI 2.0 4K@60Hz AV Capture Card'. Below the text are two images of the capture cards, labeled 'MSP 331S' and 'MSP 331H'. At the bottom, there is a network diagram and the text 'User Manual'.	<p>RGBlink MSP 331 Family 4K AV Capture Card User Manual</p> <p>Comprehensive user manual for the RGBlink MSP 331 Family, detailing its features, specifications, interface descriptions, setup guides for OBS and PotPlayer, and contact information for the 4K@60Hz AV capture card with HDMI 2.0 and 12G-SDI inputs.</p>
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 <p>MSP 331U Gen2 HDMI 2.0 4K60Hz Capture Card</p> <p>User Manual RGBlink</p>	<p>RGBlink MSP 331U Gen2: HDMI 2.0 4K60Hz Capture Card User Manual</p> <p>Discover the RGBlink MSP 331U Gen2, a high-performance 4K HDMI 2.0 capture card. This user manual covers installation, features, software compatibility (OBS, POTPlayer), and technical specifications for professional video capture and streaming.</p>
 <p>mini</p> <p>RGBlink User Manual</p>	<p>RGBlink mini User Manual: Your Guide to Professional Video Switching</p> <p>Comprehensive user manual for the RGBlink mini video switcher. Learn about its features, installation, operation, and advanced functions for professional live streaming and content creation.</p>
 <p>mini</p> <p>RGBlink User Manual</p>	<p>RGBlink mini Video Switcher User Manual</p> <p>Comprehensive user manual for the RGBlink mini Video Switcher, detailing its features, installation, operation, and advanced functions. Learn about its HDMI inputs, outputs, touchscreen interface, recording capabilities, and streaming options.</p>
 <p>mini-iso</p> <p>RGBlink User Manual</p>	<p>RGBlink mini-ISO User Manual: Comprehensive Guide to Video Switching and Streaming</p> <p>This comprehensive user manual for the RGBlink mini-ISO provides detailed instructions on setup, operation, advanced features, and live streaming capabilities. Learn to maximize your video production workflow with this versatile device.</p>
 <p>mini-iso</p> <p>RGBlink User Manual</p>	<p>RGBlink mini-ISO User Manual</p> <p>Comprehensive user manual for the RGBlink mini-ISO, detailing its features, installation, operation, and network streaming capabilities for professional video production and live broadcasting.</p>