

RGBlink mini-ISO

RGBlink mini-ISO Video Mixer Switcher Instruction Manual

Model: mini-ISO (230-0007-01-0)

1. INTRODUCTION AND OVERVIEW

The RGBlink mini-ISO is a compact, all-in-one 10-channel video mixer switcher designed for professional live production. It integrates multiple video and audio inputs, a 3.5-inch touchscreen multiview display, and advanced control features for seamless live streaming and recording. This manual provides essential information for setting up, operating, and maintaining your device.



Figure 1: Front view of the RGBlink mini-ISO Video Mixer Switcher.

2. SETUP AND CONNECTIONS

Proper connection of your video and audio sources is crucial for optimal performance. The mini-ISO offers a variety of input and output options.

2.1 Video Inputs

The mini-ISO supports up to 10 video inputs, including:

- **4 x SDI Inputs:** For professional cameras and video sources.
- **4 x 4K60 HDMI Inputs:** For high-resolution cameras, laptops, or other HDMI devices.
- **NDI Input:** For network-based video sources (requires license activation as per user manual).
- **UVC/Webcam Input:** For USB cameras or webcams.

2.2 Audio Inputs

The device features 7 audio inputs:

- **4 x HDMI-A Embedded Audio:** Audio embedded within HDMI video signals.
- **2 x Analog Signal Inputs:** For external microphones or line-level audio devices.
- **1 x USB-A Audio Input:** For USB microphones or audio interfaces.

2.3 Outputs

Video and audio outputs are provided for monitoring, program output, and streaming:

- **HDMI Output (Multiview):** For monitoring all inputs and program output on an external display.
- **USB-A UVC Output:** For streaming up to 1080P60 to a computer.
- **Ethernet (LAN) Port:** For network control, NDI, and streaming via TAO Cloud.



Figure 2: Detailed diagram of RGBlink mini-ISO input and output ports.

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Video 1: Overview of mini-ISO video mixer switcher inputs and outputs.

3. OPERATING INSTRUCTIONS

The mini-ISO is designed for intuitive operation with its touchscreen and physical controls.

3.1 Input Switching

Use the numbered buttons (1-5) on the control panel to select your desired video input for program output. The 3.5-inch HD touchscreen allows you to monitor previews and adjust settings in real-time.



Figure 3: The 3.5-inch touchscreen displaying a multiview of inputs.

3.2 Audio Mixing

The mini-ISO features dedicated knobs for audio input adjustments. Maintain flawless sync between audio and video with advanced AFV (Audio Follow Video) and delay settings. The professional audio console with dynamic button operation provides precise control for volume adjustment, one-key mute, and monitoring.

3.3 PTZ Camera Control

Control up to 5 PTZ cameras directly from the mini-ISO using its full-function keyboard and 5-axis joystick. You can manage pan, tilt, zoom, and focus, and save up to 4 PTZ presets for instant recall.



Figure 4: PTZ camera control interface on the mini-ISO touchscreen.

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Video 2: Demonstrating PTZ camera remote control with the mini-ISO.

3.4 Chroma Key

Create virtual studios with the one-click Chroma Key feature. Layer graphics, backgrounds, and multiple camera sources directly from the mini-ISO without additional software.



Figure 5: Chroma Key functionality on the mini-ISO.

3.5 Streaming

Stream directly to up to 4 platforms or restream to over 30 platforms simultaneously via TAO Cloud using RTMP(S). The device supports vertical live broadcasts and integrates with NDI|HX2 for FHD encoding. Ensure you apply for and import the necessary license as per the user manual for NDI functionality.

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Video 3: Multi-camera live streaming setup with RGBlink mini-ISO.

3.6 Standalone Recording

Capture your program output directly to a USB-A drive (up to 2TB) without needing an external computer. The mini-ISO allows you to choose different recording bitrates, up to 16 Mbps, ensuring video clarity for later editing. You can monitor disk information during recording for reliability.

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Video 4: Demonstrating the premium record function for customers.

4. FEATURES OVERVIEW

The RGBlink mini-ISO is packed with features to enhance your live production:

- **10 Input Video Switcher:** Combines 4 SDI, 4 HDMI, NDI, and UVC/Webcam inputs.
- **3.5" Touchscreen Multiview Display:** For real-time monitoring and settings adjustment.
- **Chroma Key & Multi-Layer Effects:** For virtual studios and dynamic visual compositions.
- **NDI & RTMP Streaming:** Direct streaming to multiple platforms with NDI|HX2 support.
- **Professional Audio & Video Sync:** 8 audio inputs with AFV and delay settings.
- **Built-in PTZ Camera Control:** Control up to 5 PTZ cameras with presets.
- **Standalone Recording:** Record directly to USB-A drives.
- **15 Built-in Transition Effects:** For creative production.

5. MAINTENANCE

5.1 Firmware Updates

To ensure optimal performance and access to the latest features, regularly update the device firmware. Firmware updates can be performed via LAN or a USB drive. Refer to the detailed user manual for specific instructions on the update process.



Figure 6: Steps for updating the mini-ISO firmware.

6. TROUBLESHOOTING

If you encounter issues with your RGBlink mini-ISO, consider the following general troubleshooting steps:

- **Check Connections:** Ensure all video, audio, and power cables are securely connected.
- **Power Cycle:** Turn off the device, wait a few seconds, and then turn it back on.
- **Firmware Update:** Ensure your device is running the latest firmware. Outdated firmware can cause unexpected behavior.

- **Input Limitations:** Note that the device switches 5 channels at a time.
- **PTZ Control:** Verify IP settings and port numbers for PTZ cameras. Ensure mini-ISO and PTZ cameras are on the same network segment.

For more detailed troubleshooting, please refer to the comprehensive user manual provided with your product or visit the official RGBlink support resources.

7. SPECIFICATIONS



















Specification	Value
Product Dimensions	7.76 x 4.45 x 2.36 inches
Item Weight	1.32 pounds
ASIN	B0DM64BH9W
Item model number	230-0007-01-0
Date First Available	January 10, 2025
Manufacturer	RGBlink Science & Technology Co.,Ltd
Color	mini-ISO
Connector Type	HDMI, SDI
Compatible Devices	Camcorder, Camera, Laptop, Monitor, Smartphone
Cable Type	HDMI, SDI

8. WARRANTY AND SUPPORT

The RGBlink mini-ISO Video Mixer Switcher is manufactured by RGBlink Science & Technology Co.,Ltd. For warranty information, technical support, or additional resources, please visit the official RGBlink Store or contact their customer service directly.

[Visit the RGBlink Store](#)

Related Documents - mini-ISO

  	<p>RGBlink mini-ISO User Manual: Professional Video Switcher & Streamer Guide</p> <p>Comprehensive user manual for the RGBlink mini-ISO, detailing features, setup, operation, and streaming capabilities for professional video production and live broadcasting.</p>
  	<p>RGBlink mini-mx SDI User Manual</p> <p>Comprehensive user manual for the RGBlink mini-mx SDI, detailing its features, installation, operation, and specifications for professional video production and streaming.</p>
 mini-ISO 10-Channel All-in-One Switcher  	<p>RGBlink mini-ISO: Quick Start Guide for 10-Channel All-in-One Video Switcher</p> <p>A comprehensive quick start guide for the RGBlink mini-ISO, a 10-channel all-in-one video switcher. Learn about its features, front panel, interface, installation, and operation for professional video production and streaming.</p>
 mini-edge  	<p>RGBlink mini-edge User Manual: Comprehensive Guide to Live Video Production</p> <p>Explore the features and operation of the RGBlink mini-edge, a versatile all-in-one video mixer and switcher. This user manual covers installation, setup, advanced features like PTZ control and multi-layer overlay, and streaming capabilities.</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>
 mini  	<p>RGBlink mini Video Switcher: Advanced Features and Specifications</p> <p>Discover the third-generation RGBlink mini Video Switcher, a compact and powerful device for event streaming and content creation. Learn about its user-customizable features, USB recording, PTZ control, live streaming capabilities, and intuitive touchscreen interface.</p>

