Manuals+ — User Manuals Simplified.

RGBlink mini-pro v3 Streaming Switcher

RGBlink mini-pro v3 Streaming Switcher Installation Guide

Contents

RGBlink

RGBlink mini-pro v3 Streaming Switcher

Specifications

- Product Name: mini-pro v3 Streaming Switcher
- Resolution: 4K resolution and downward compatible with all resolutions
- Power Input: USB-C Power Socket PD protocol, 12V/1.5A
- Audio: One passive MIC input and one audio output
- Inputs: Four HDMI input channels
- Connectivity: Ethernet Port for internet access

Product Overview
The mini-pro v3 Streaming Switcher is a versatile device that allows you to switch between different HDMI input sources, controlPTZ cameras, stream live content, and more.

Key Features

- Touch screen interface for easy operation
- PTZ camera control capabilities
- Live streaming functionality
- Multi-view output options
- Record audio & video from Program output

Front Panel
The front panel of the mini-pro v3 includes various buttons and controls for easy operation:

- **Preset Menu:** Adjust Program volume.
- **Toggle PIP Mode:** Proportionally adjust size of sub-picture.
- **PTZ Control:** Zoom in and zoom out.

Interface Panel

The interface panel of the mini-pro v3 features various input and output options:

- **HDMI Inputs:** Four HDMI input channels for connecting HDMI sources.
- **USB-C Power Socket:** Power input using PD protocol, 12V/1.5A.

Product Usage Instructions

Installing mini-pro

1. **Connecting HDMI Input:** Connect PC, laptop, camera, or DVD to mini-pro's HDMI IN port via HDMI cable.
2. **Connecting HDMI Output:** Use HDMI cables to connect MULTI-VIEW and PROGRAM output ports to a monitor with an HDMI input port to check Preview and Program views in real time.

Using mini-pro

To effectively use the mini-pro v3 Streaming Switcher, follow these steps:

1. **Power On:** Toggle the power switch to turn on the device.
2. **Select Inputs:** Use the front panel buttons to select the desired HDMI input sources.
3. **Control PTZ Camera:** Use the controls on the front panel to adjust pan, tilt, and zoom for PTZ cameras.

FAQ

- **Q: How do I adjust the volume on the mini-pro v3?**

  A: You can adjust the Program volume using the Preset Menu on the front panel of the device.
- **Q: Can I connect a mobile phone to the mini-pro v3 for audio input?**

  A: Yes, you can connect a mobile phone to the Line In port for audio input.
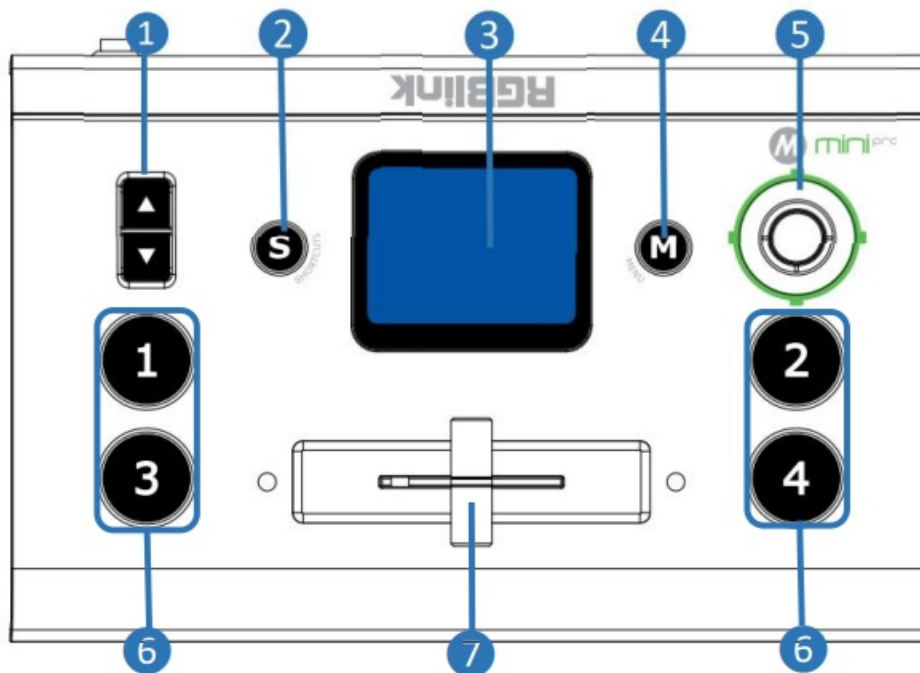
mini-pro v3
Streaming Switcher

Product Overview

Key Features

- mini and is convenient to carry
- Built-in LCD for video preview and touch menu operation
- Quad HDMI 2.0 inputs (HDCP compliance), resolutions up to 4K@60
- Dual HDMI 1.3 outputs for monitoring of multi-view Preview, Program or AUX
- Mix for 4-channel HDMI embedded and 2-channel external audio
- AUTO and WIPE Switch mode available
- 15 transition effects
- USB 2.0 one-key recording in exFAT or FAT32 format with up to 16Mbps
- USB output supports YUY2 format, which can be recognized as webcam for streaming
- Support RTMP(S) network streaming up to 2 platforms
- 5-direction joystick and toggle for controlling PTZ camera (IP VISCA Protocol supported)

- Specify either "green" or "blue" as the key color for Chroma Key
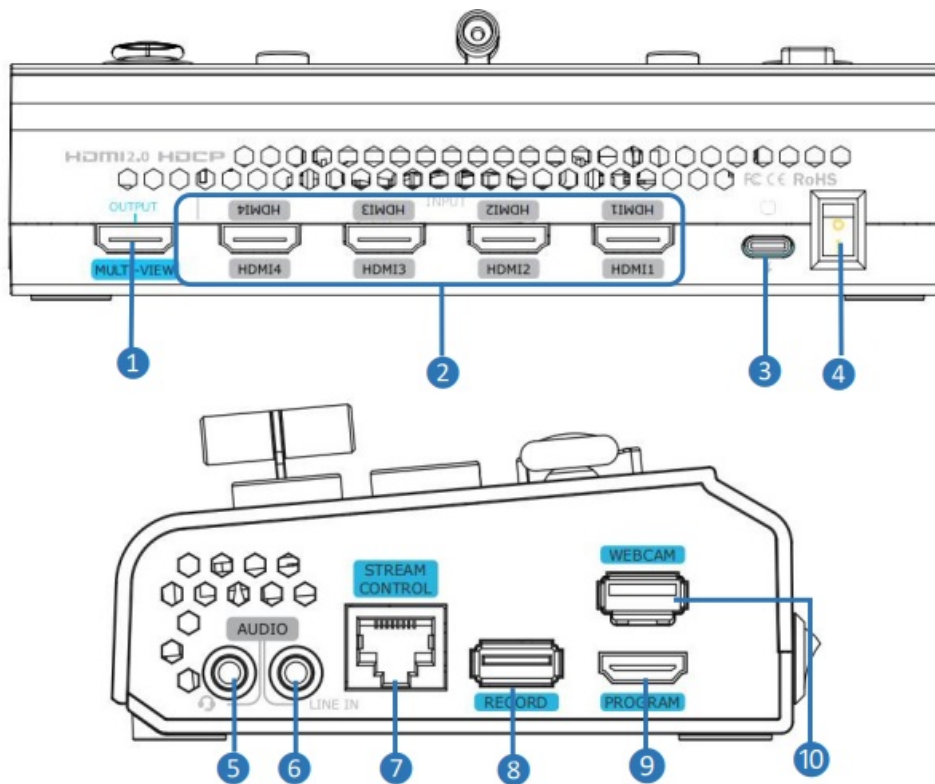- Support app control, compatible with mobile devices and desktop

Front Panel

No.	Item	Description
❶	**Toggle**	- Preset Menu: Adjust Program volume. - PIP Mode: Proportionally adjust size of sub-picture. - PTZ Control: Zoom in and zoom out. - IP Setting: Adjust IP values.
❷	**S Button**	Press shortcut button to enter quick operation interface, which includes 8 Presets to load, Audio, Record on/off, Stream on/off.
❸	**Touch Screen**	- For menu operation and 4 inputs monitoring. - PTZ Control Monitor the screen of the currently controlled camera, and save the currently set screen by tapping it, and a call button can be formed.

❹	**M Button**	- Single Click
		  ∘ 4-window Monitoring Interface: Press to enter Menu Interface.
		  ∘ Menu Interface: Press to enter 4-window Monitoring Interface.
		  ∘ Others: Press to exit.
		- ● Long Press
		  ∘ 4-window Monitoring Interface: Press to lock control panel.
		  ∘ Others: Press to 4-window Monitoring Interface.

❺	**5-Direction Joystick**	- Move Up/Down/Left/Right
		  ∘ Menu Interface: Move the cursor for item selection.
		  ∘ PTZ Control: Set pan, tilt and zoom for PTZ camera.
		  ∘ Layer Adjustment: Position adjustment for sub-layer.
		- Short Press
		  ∘ To enter the next higher level of menu.
		  ∘ PTZ Control: Control left, right, up and down movement of camera.
		  ∘ Others: To enter PTZ Control Interface.

❻	①②③④	- Button Unlit: no input signal. - Button Lit White unselected input signal. - Button Blinked Green: Preview out. - Button Lit Red: Program out.
❼	**T-Bar**	Preview and Program views can be transitioned by pushing T-Bar.

Interface Panel

No.	Item	Description
❶	**MULTI-VIEW Output**	Default as multi-view output, can set as Program, HDMI 1~4 or AUX output.
❷	**HDMI 1~4 Inputs**	• Four HDMI input channels for connecting HDMI sources. • 4K resolution and downward compatible with all resolution.
❸	**USB-C Power Socket**	PD protocol, 12V/1.5A.
❹	**Power Switch**	Rocker switch to power on or off the device.
❺	**MIC In & Audio Out**	Support one passive MIC input and one audio output via 2-in-1 audio split cable.
❻	**Line In**	Active audio input, connect to mobile phone, computer or audio console.
❼	**Ethernet Port**	• Control Connected to PTZ camera for direct control. • Stream Access to internet for live streaming. • APP Connecet to the same ethernet range of PC, tablets, and smartphones for APP control.
❽	**RECORD**	Connect to SSD or U disk to record audio & video from Program.
❾	**PROGRAM Output**	Default to output real-time scene, which can be set as Multi-view Preview or Test Pattern.
❿	**WEBCAM**	USB Stream Output: Capture signal via third party streaming software and push to live broadcasting websites.

Installing mini-pro

Connecting HDMI Output
Use HDMI cables to connect MULTI-VIEW and PROGRAM output ports to a monitor with an HDMI input port so as to check Preview and Program views in real time.

Connecting USB for Streaming
Connect the laptop to mini-pro's USB 3.0 port labeled as WEBCAM via USB cable, and mini-pro will be captured as a webcam source.

Connecting HDMI Input
Connect PC, laptop, camera or DVD to mini-pro's HDMI IN port via HDMI cable.

Connecting Microphone and External Monitoring Devices
Connect the microphone to mini-pro's Audio IN port and connect the speaker or earphone to Audio OUT port.

Connecting a USB Storage Device

mini-pro supports recording streaming media content to an external USB storage device, such as U disk or SSD through the USB port labeled as WEBCAM.

Tips: Format SSD, U-disk before recording.

Turning on mini-pro

Push the power switch on the rear panel, the device will show mini-pro logo and then enter the operation interface.

Connecting LAN for Streaming

Use the LAN port, users can perform live streaming directly to the live platform.

Plugging in Power
Connect mini-pro to power plug by the link cable.

Using mini-pro

MENU Introduction

MENU Introduction
Tap icon to enter the corresponding function management interface. Swiping from right to left to switch MENU interface.

Selecting PIP Layout

Tap PIP icon for picture-in-picture configuration. Tap Layout Preset . PIP offers 10 layout options, select one you need.
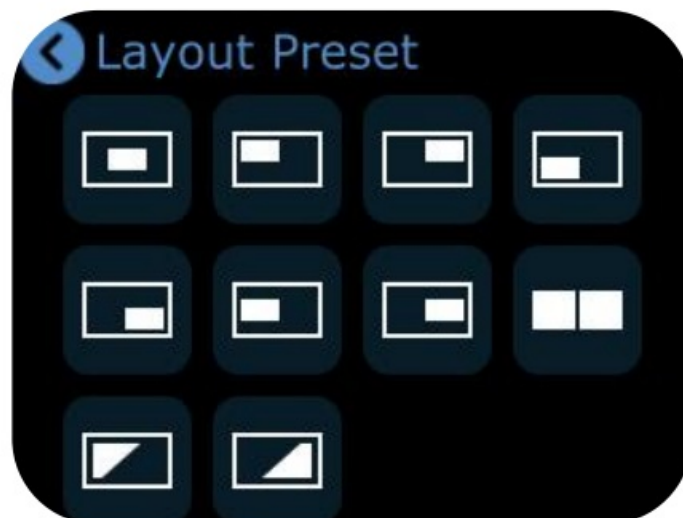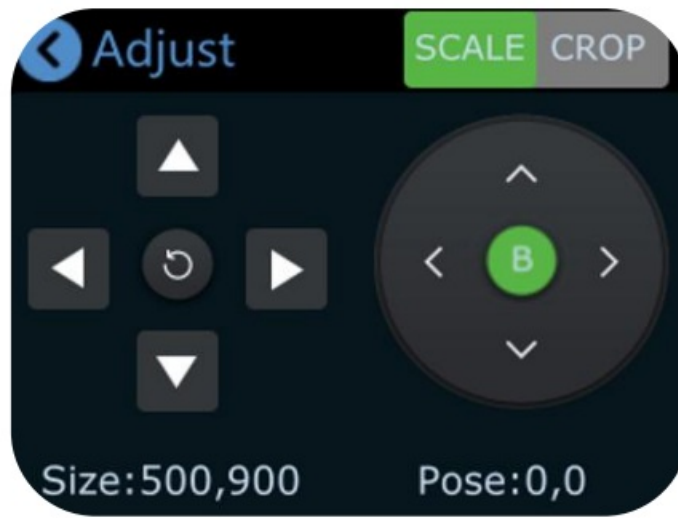
How to Enter MENU

Push M Button and the 2-inch LCD screen will enter MENU Interface.
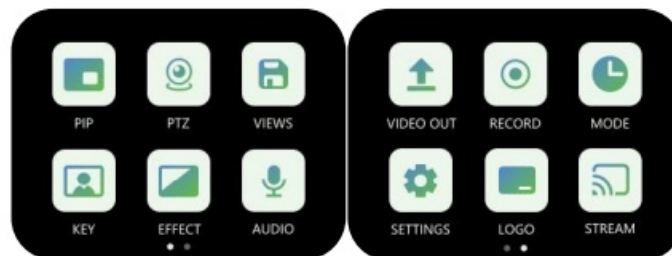
How to Enter PIP

Press M Button to enter MENU. Tap PIP icon for picture-in-picture configuration.

Adjusting Size and Position

Complete signal seletion, then the user can do cropping and scaling by tapping icon or using toggle on the control panel. Use the joystick to quickly adjust the position.

Using Chroma Key
Press M Button to enter MENU. Tap KEY to enter the Chroma Key interface.
Enable the function and select the background color. S Button can be used to shift options between Max, Min and Margin, then you can make detailed adjustments by tapping "-" and "+" or using the toggle.

Selecting PIP Layer
Press M Button to return to PIP interface, tap Adjust for detailed adjustment.
Tap A or B or press the joystick to select main/sub-layer, then press ① ②③ ④ input buttons to choose input signal.

Setting Blending Effect

Back to PIP interface, tap Blend , and you can enable this function to blend two input signals with a softening effect around their edges.
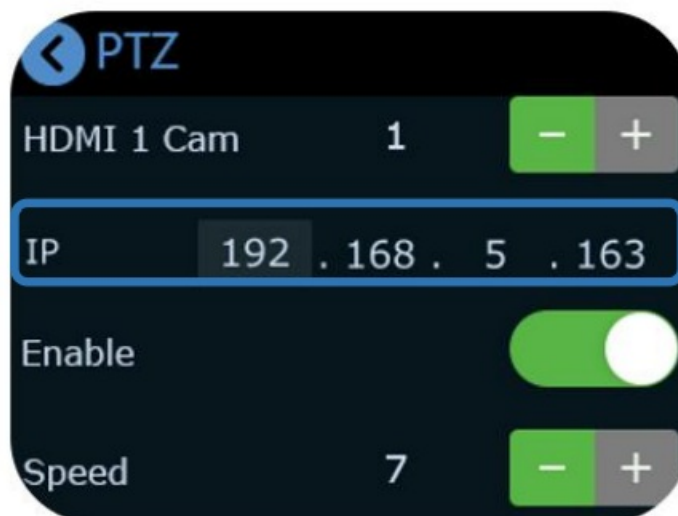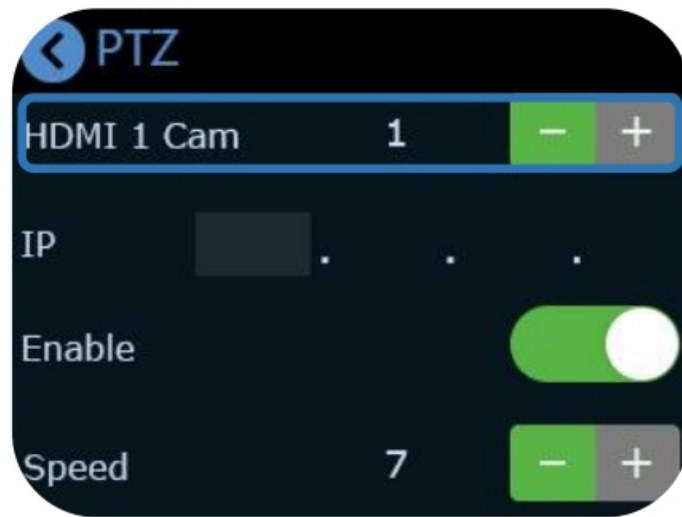

Controlling PTZ Cameras

How to Enter PTZ

Press M Button to enter MENU. Tap PTZ to enter the PTZ control interface.
mini-pro supports simultaneous control of up to four cameras. Tap "-" and "+" to set PTZ number, press ①②③④ button to select PTZ signal to preview.

Adjusting Parameters

Adjust focus, position and speed to meet needs.

Setting IP Address

The IP address of mini-pro and camera controlled should be in the same LAN.

Use S Button to choose 4 segments one-by-one and then adjust IP address via toggle on the front panel

Using Toggle and Joystick

The user can use joystick to adjust rotation angle of the PTZ and toggle to adjust the focal length.
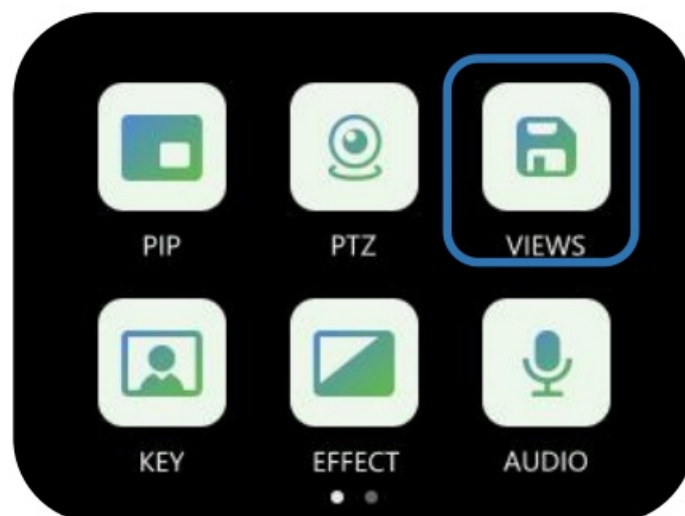
Saving Views

How to Enter View Interface

Press M Button to enter MENU. Tap VIEWS to enter the interface.

Saving Views
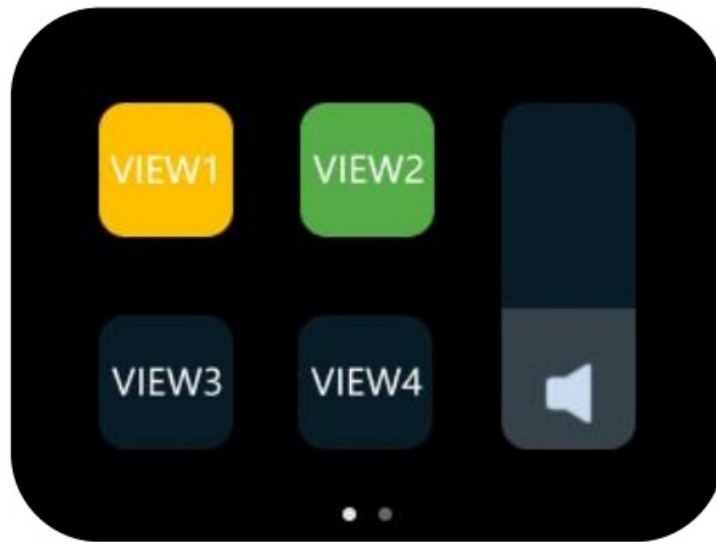mini-pro allows user to save 8 presets in total to the corresponding VIEW1~8.

- Yellow view being loaded
- Green view contained
- Grey blank view

Loading and Switching Views

How to Enter Shortcut Menu
Push S Button to gain quick access to the Shortcut Menu.

Loading Views
Tap one view needed to be loaded for fast recall.

Selecting Transition Effect
Press M Button to enter MENU. Tap EFFECT to enter the interface.
15 transition effects available.

T-Bar Mode
Preview and Program views can be transitioned by pushing T-bar.

Selecting Switching Mode

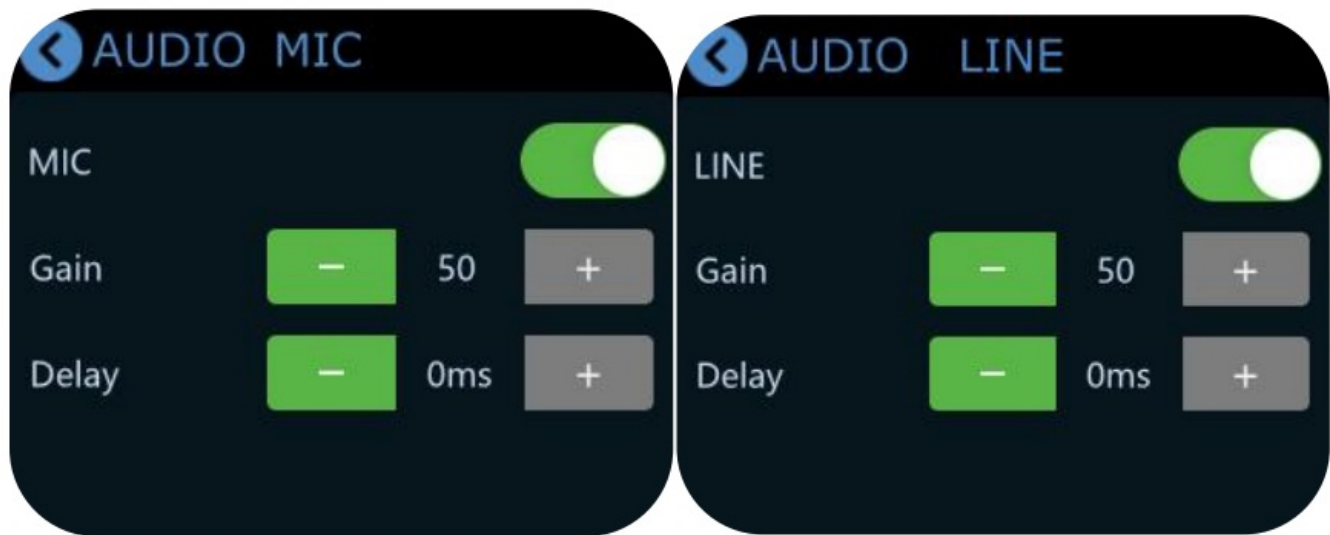Press M Button to enter MENU. Tap MODE to enter the interface.

mini-pro provides FAST Mode and T-Bar Mode.

Choose the mode and customize time by tapping "-" and "+" or using slide bar.

FAST Mode

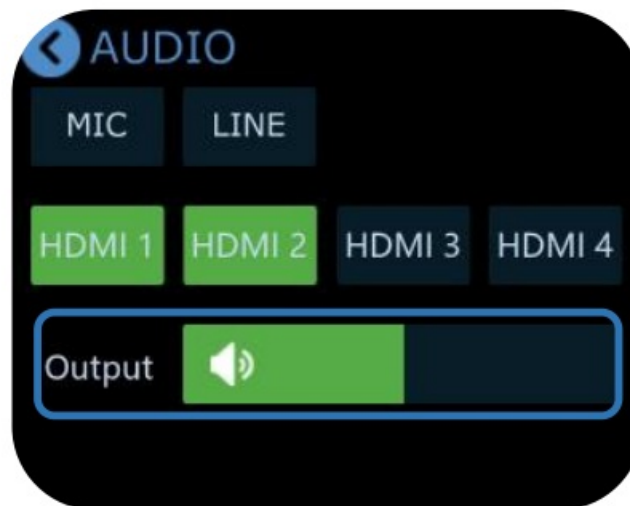Push ①②③④ signal buttons, 4 input signals can be switched in fast mode.

Audio

Default Configuration
Press M Button to enter MENU. Tap AUDIO to enter audio setting interface.
Use the slide bar to directly change the output vulume. Tap MIC, LINE, HDMI 1, HDMI 2, HDMI 3, HDMI 4 to make detailed settings.

HDMI in
Four HDMI inputs all support audio mixing and embedded audio volume adjustment. Each channel of the 4 HDMI embedded audios can be set to AFV (Audio-Follow-Video) mode.
Tap HDMI 1/HDMI 2/HDMI 3/HDMI 4 to make more detailed audio configuration. Tap "-" and "+" to adjust the audio volume level for each HDMI channel and set delay value.
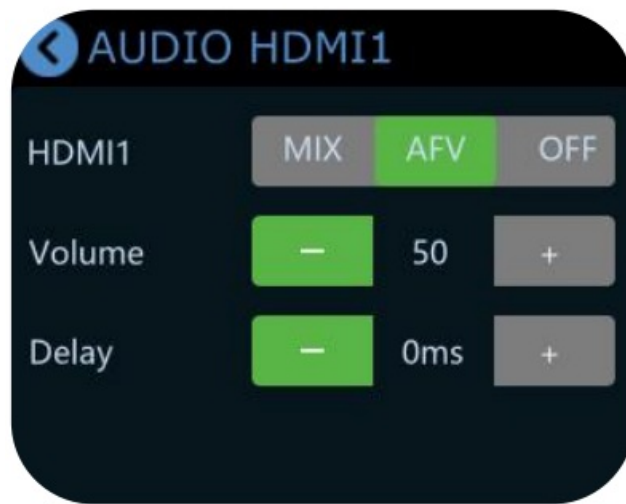
MIC in and LINE in
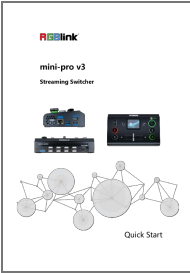mini-pro has six separate inputs for connecting various devices and audio sources:
mini-pro featuresone MIC input and one LINE input. Enter MIC or LINE interface to turn on or off MIC/LINE. Tap "-"
and "+" to adjust the audio volume level and set delay value.

Xiamen RGBlink Science & Technology Co Ltd.

- Tel: +86-592-5771197

- Fax: +86-592-5788216

- Customer Hotline: 4008-592-315

- **Web: http://www.rgblink.com**

- **E-mail support@rgblink.com**

- **Headquarter:** Room 601A, No. 37-3 Banshang community, Building 3, Xinke Plaza, Torch Hi-Tech Industrial
  Development Zone, Xiamen, China

Documents / Resources

RGBlink mini-pro v3 Streaming Switcher [pdf] Installation Guide
mini-pro v3 Streaming Switcher, mini-pro v3, Streaming Switcher, Switcher

References

- **User Manual**