RGBlink M1 Mobile + Mixed Signal Streaming Owner's Manual

Contents

RGBlink M1 Mobile + Mixed Signal Streaming

Product Information

- **Specifications:** The product supports various input and output connectors, has NDI decoding capabilities, and supports different resolution standards.
- **Connectors:** The product has multiple connector options, including DVI, HDMI, SDI, and USB.
- **Performance:** The product offers high-quality, low-latency, long-distance transmission applications.
- **Features:** The product has features such as NDI decoding, dedicated preview output, and mobile streaming integration.
- **Power:** The product supports AC power input with a voltage range of 85V-264V at a frequency of 50/60Hz.
- **Environment:** The product operates within a temperature and humidity range of 10%-90%.
- **Physical:** The product weighs 5.5kg and has specific dimensions.

Product Usage Instructions

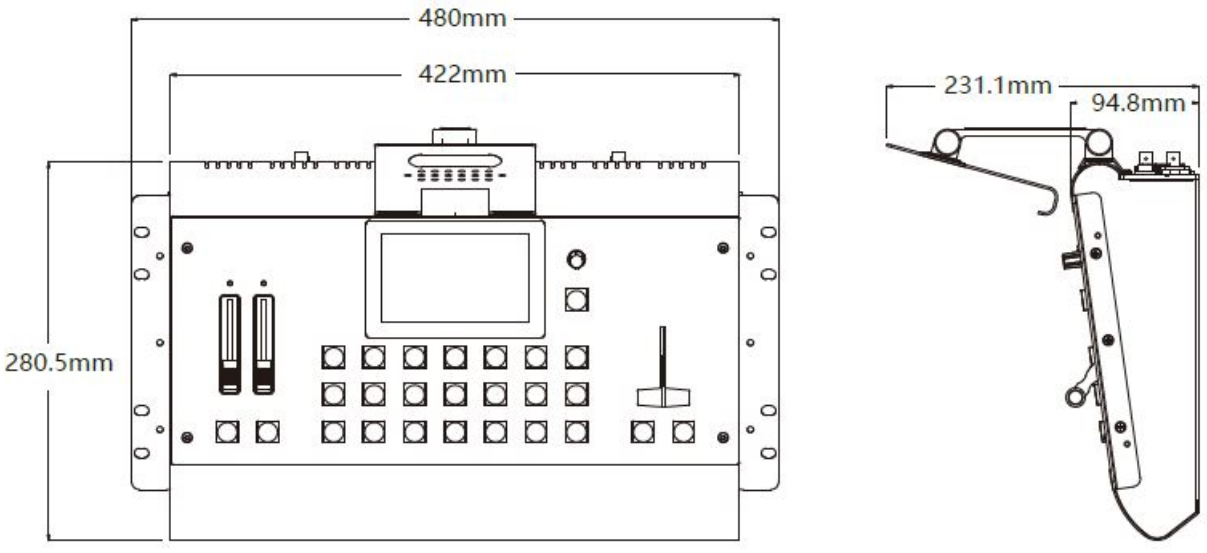
To use the product:

1. Connect the desired input source to the appropriate input slot (up to 4 single inputs).
2. Select the NDI module or choose from other available modules (DVI, HDMI, SDI, USB).
3. If using SDI, choose whether to have audio communication or not.
4. If using USB 3.0, select whether to have SDI or not.
5. Select the desired input resolution from the supported standards.
6. Select the desired output resolution from the supported standards.
7. If needed, adjust layers, mask, brightness, and EDID management.
8. Connect the appropriate output connectors (SDI, HDMI, DVI) based on your requirements.
9. If using NDI decoding, ensure the NDI module is selected.
10. If using USB 2, ensure the USB 2 module is selected.
11. Ensure the power input is within the specified range (AC 85V-264V 50/60Hz).
12. Monitor the product’s temperature and humidity to maintain optimal conditions.

Specifications

Connectors	Input	1 slot up to 4 single inputs	
		Standard with	
		NDI Module	2 × RJ45
		select from	
		DVI Module	1 × DVI-I (supports DVI,VGA,YPbPr,CVBS)
		HDMI Module	1 × HDMI-A
		SDI Module	2 × BNC (1 In | 1 Loop)
		USB Module	2 × USB (1 In | 1 Backup)
		NDI Module	1 × RJ45
	Output	*1 slot,select from*	
		With SDI	2 × HDMI-A | 1 x BNC
		Without SDI	2 × HDMI-A
		With USB 3.0/SDI	2 × HDMI-A | 1×BNC | 1×USB-A
		With USB 3.0 without SDI	2 × HDMI-A | 1×USB-A
	Audio	IN L/R	2 × RCA
		OUT L/R	2 × RCA
		OUT	1 × 3.5mm Stero Jack
	Communication	LAN	1 × RJ45
		Tally	1 × DB15
		USB	1 × USB-B
		Genlock Y	1 × BNC
	Power		1 × IEC
Performance	Input Resolution	SDI	
		SMPTE	480i | 576i | 720p@50/60 | 1080i@59.94/60 | 1080p@23.98/24/25/29.97/30/59/59.94/60
		DVI | HDMI	
		SMPTE	480i | 576i | 720p@50/59.94/60 | 1080i@50/59.94/60 | 1080p@50/59.94/60
		VESA	800×600@60 | 1024×768@60 | 1280×720@60 | 1280×800@60 | 1280×960@60 | 1280×1024@60 | 1400×1050@60 | 1600×1200@60 | 1920×1080@60
	Output Resolution	Select from below or customized	
		SDI	
		SMPTE	480i | 576i | 720p@50/59.94/60 | 1080i@50/59.94/60 | 1080p@50/59.94/60
		HDMI	
		SMPTE	720p @50/59.94/60 | 1080p@50/59.94/60
		VESA	1024×768@60 | 1280×720@60 |1280×1024@60 | 1360×768@60 | 1920×1080@60
		USB 3.0 (follow HDMI)	1024×768@60 | 1280×720@60 |1280×1024@60 | 1360×768@60 | 1920×1080@60
	Supported Standards	SDI	SMPTE 425M (Level A & B) | SMPTE 424M | SMPTE 292M | SMPTE 259M-C | DVB-ASI
		HDMI	1.3
		DVI	Single Link
		NDI decoding	NDI|HX2
		USB	3.0
Features	Layers	2	
	MASK Edit	Support	
	Brightness	Standard range	
	EDID Management	Yes	
Power	Input Voltage	AC 85V-264V, 50/60Hz	
	Max Power	120W	
Environment	Temperature	0– 55°C	
	Humidity	10%-90%	
Physical	Weight	Net weight	5.5Kg
		Package	8kg
	Dimensions	Net weight	480mm×280.5mm×231.1mm
		Package	585mm×410mm×205mm

Dimensions



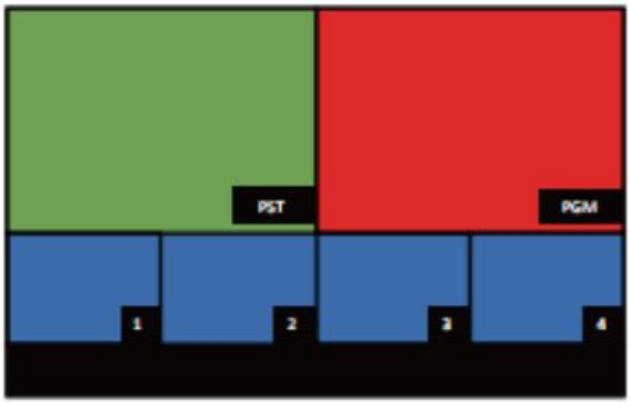
Fully integrated video scaling and mixing for everyday

A complete solution, simply connect M1 to any display and start presenting. Front panel console style controls together touch screen display make M1 intuitive and natural in use, even for the new operator.
More than just a video mixer, M1 allows full scaled output to modern displays without to additional equipment. For stage/conference presentations on board features including PIP (picture-in-picture) add powerful capabilities to make use of additional video sources including cameras; While compact in size, M1 brings together essential features for small presentation environments, including audio mix features allowing connection to audio mixers or powered speakers.

Features

- Module based design for wide range in/out request
- Module hot swapable
- Preview 4 inputs
- Seamlessswitching between PST and PGM
- Support NDI decoding
- Multiple audio outputs available
- Streaming via USB 3.0 output module and mobile phone
- 2 video layers plus additional layers for OSD, LOGO, STILL
- Mask for foreground layer including support for user defined mask
- Compatible with all kinds of Digital Displays
- Genlock Y In
- Multiple Presets and savable to the external USB disk
- 14 Transition Effects on the T-bar and TAKE button
- PTZ VISCA control compatible

NDI Decoding
M1 is equipped with NDI decoding module, which supports up to 4 Gigabit NDI network ports, which can realize high-quality, low-laten cy, long-distance transmission applications up to NDI | HX2.

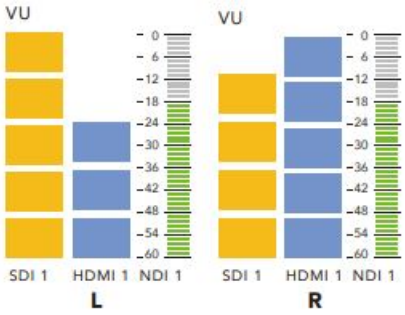


Mobile streaming integration
Android tablet or mobile holder can be installed to M1, and realize live streaming through TAO APP anytime, anywhere, without the need of a computer.

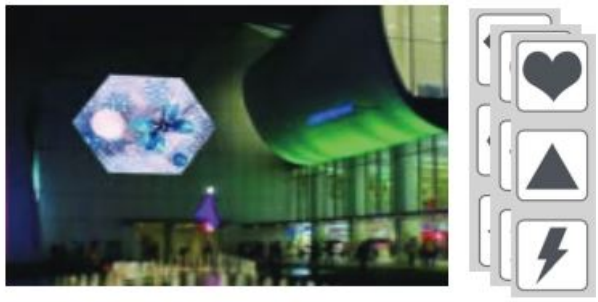
Mixed Audio
Both embedded and insert audio are supported with separate left/right audio level controls available on the front panel. Audio may be selected independently from the video source.
PPM monitoring maybe shown on the PVW as visual confirmation of source and output.

Transition Effects
There are over a dozen transition effects and wipes built into M1. These maybe used via the T-bar or timed from the TAKE button.

Video Mixing
M1 vision mixer style control panel provides a range of tactile controls including familiar T-Bar and large illuminated buttons for easy of operation



Digital Effects
The PIP may have an effect applied – options include masks (with a range built in as well as support for custom masks), DSK/Chroma Key to remove a background colour and variable edge blend, as soften effect to allowing the PIP to merged with the main image.



Visual Enhancements
Apply a range of visual effects and enhancements with fine grain controls may be utilised for each input. Controls include brightness, contrast, saturation, sharpness and color temperature.

Modular by Design
Each input is individual and are user fit – choose from a wide range of modular signal options. Modules are highly standardised across the RGBlink range for event greater flexibility.
Input options include HDMI, DVI, SDI, CVBS, USB and NDI more.
Output options are HDMI or HDMI|SDI|USB 3.0 .

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Proudly designed and manufactured in Xiamen Hi Technology Zone, China

Documents / Resources

	RGBlink M1 Mobile + Mixed Signal Streaming [pdf] Owner's Manual M1 Mobile Mixed Signal Streaming, M1, Mobile Mixed Signal Streaming, Mixed Signal Streaming, Signal Streaming, Streaming

References

- RGBlink