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# RGBlink Mobile + Mini Pro Video Switcher 4 Channel USB 3.0 T-Bar Video Switcher Instruction Manual

**Contents**

**RGBlink Mobile + Mini Pro Video Switcher 4 Channel USB 3.0 T-Bar Video Switcher**

# 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 |

# Order Codes

| Product Code | Item |
|---|---|
| 220-0001-01-0 | M1 |
| 220-0001-04-0 | M1-NDI |
| 290-0001-03-0 | Output Module PGM HDMI/SDI/USB 3.0 | PVW HDMI |
| 290-0001-05-0 | Output Module PGM HDMI/USB 3.0| PVW HDMI |
| 190-0001-04-2 | Single DVI Input Module |
| 190-0001-07-2 | Single 3G-SDI Input/Loop Module |
| 290-0001-08-2 | Single NDI Input Module |
| 190-0001-10-2 | Single USB2.0 Input/Backup Module |
| 190-0001-13-2 | Single HDMI Input Module |
| 930-0002-01-0 | Wings/Sidesfor M1 (Pair) |
| 930-0002-02-0 | Rack for M1 |
|  |  |

## Dimensions
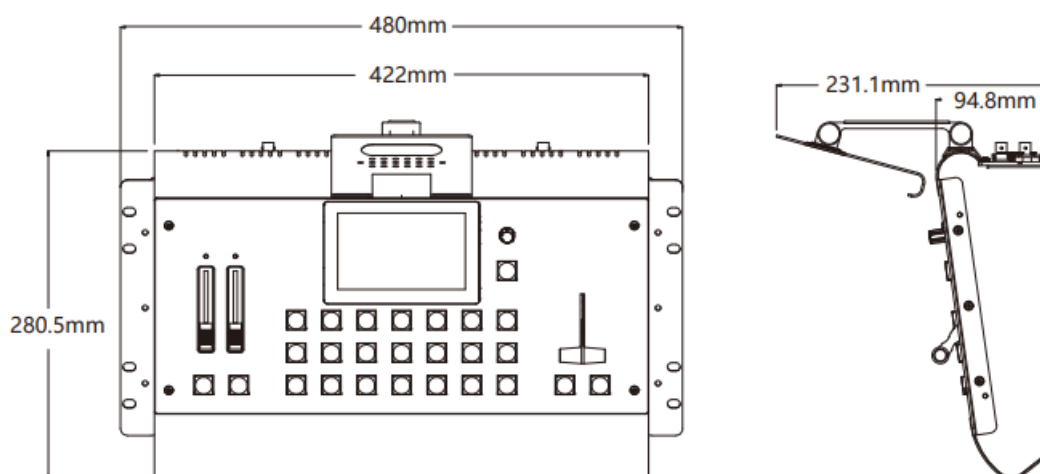


**Fully integrated video scaling and mixing for everyday**

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.
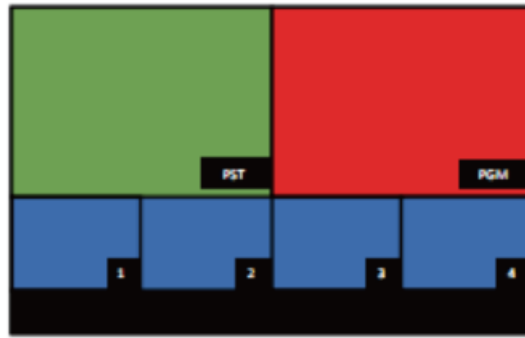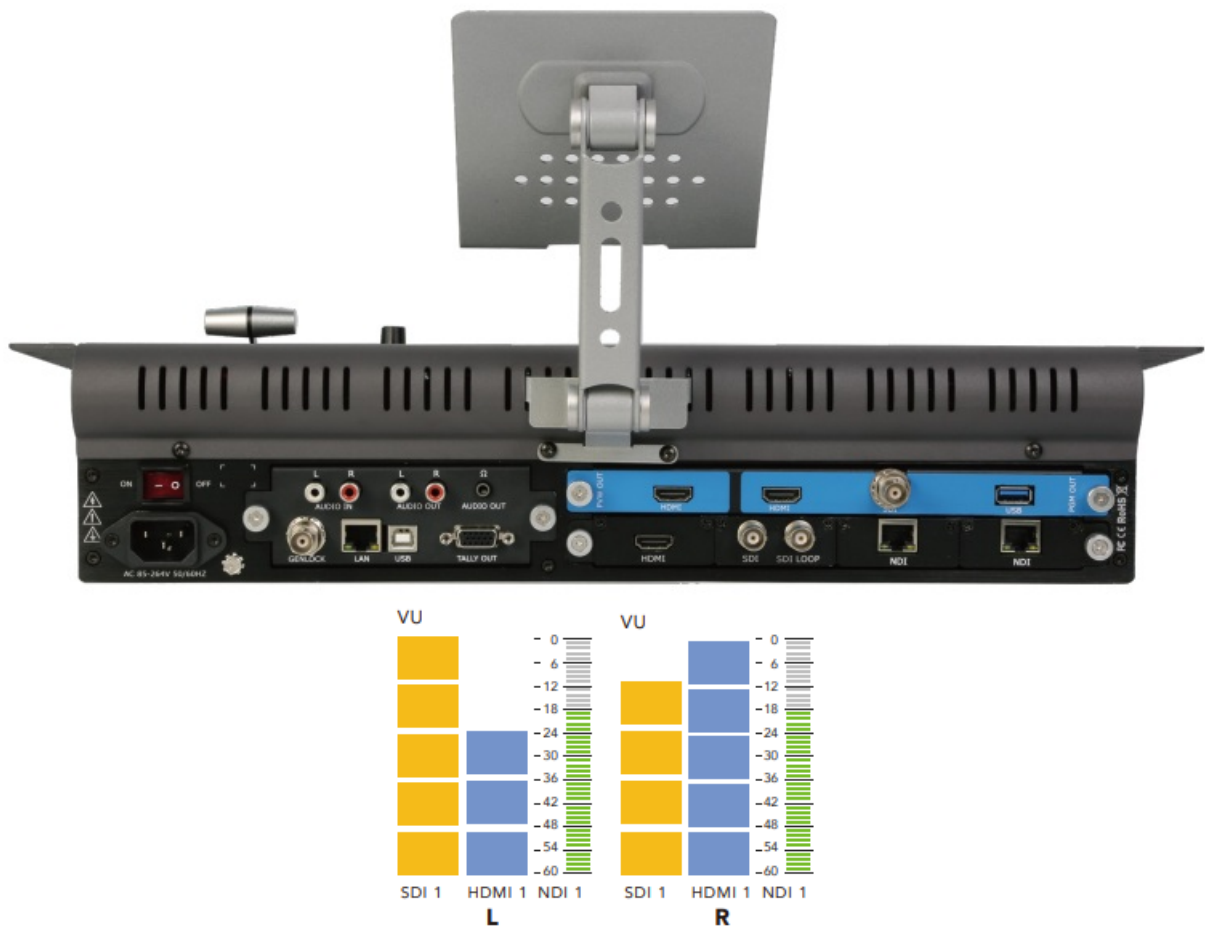
## Dedicated Preview

A dedicated HDMI output with multi-view is provided from which both PGM and PST can be monitored, along with input sources and audio levels.



## 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.



**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.



**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.



**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.



**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.

**Modular by Design**

Each input is individual and areuser 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 .



*shown with optional input and output modules,support structure for mibile devices are optional,need to order separately –refer specification and options.
*Pad not included

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## Documents / Resources

| | |
|---|---|
|  | **RGBlink Mobile + Mini Pro Video Switcher 4 Channel USB 3.0 T-Bar Video Switcher** [pdf] Instruction Manual<br>Mobile Mini Pro Video Switcher 4 Channel USB 3.0 T-Bar Video Switcher, Mobile, Mini Pro Video Switcher 4 Channel USB 3.0 T-Bar Video Switcher, USB 3.0 T-Bar Video Switcher, Video Switcher, Switcher |

## References

-  **RGBlink**