RGBlink Q16pro

RGBlink Q16pro Dual HDMI 2.0 4K60 Output Module User Manual

Model: Q16pro

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the RGBlink Q16pro Dual HDMI 2.0 4K60 Output Module. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.

2. PRODUCT OVERVIEW

The RGBlink Q16pro is a high-performance dual HDMI 2.0 output module designed for professional video processing systems. It supports 4K60 resolution, providing robust and reliable video output capabilities.

Figure 1: RGBlink Q16pro Dual HDMI 2.0 4K60 Output Module. This image displays the module from an angled perspective, highlighting the two HDMI 2.0 output ports labeled "HDMI2.0 1" and "HDMI2.0 2", along with the "OUTPUT" label and mounting screws on the faceplate. The circuit board with heat sinks and various electronic components is visible behind the faceplate.

3. SETUP AND INSTALLATION

1. **Power Off:** Ensure the main device (e.g., video processor chassis) is powered off and disconnected from the power source before installation.

2. **Locate Slot:** Identify an available expansion slot within the compatible RGBlink chassis.

3. **Insert Module:** Carefully align the Q16pro module with the expansion slot and gently push it in until it is firmly seated. Avoid excessive force.

4. **Secure Module:** Use the provided screws to secure the module's faceplate to the chassis.

5. **Connect Cables:** Connect HDMI 2.0 cables from the Q16pro output ports to your display devices. Ensure cables are securely connected.

6. **Power On:** Reconnect the main device to the power source and power it on.

Note: Always refer to the main device's manual for specific chassis installation procedures.

4. OPERATING INSTRUCTIONS

Once installed, the Q16pro module functions as an integral part of your RGBlink video processing system. Operation is primarily managed through the main device's control interface (e.g., front panel, software application, or web interface).

- **Output Configuration:** Access the main device's output settings to configure the HDMI 2.0 outputs from the Q16pro module. This typically includes setting resolution, refresh rate, and color space.

- **Signal Routing:** Route desired input signals to the Q16pro's output ports using the main device's routing controls.

- **EDID Management:** The module supports EDID management. Refer to the main device's manual for instructions on how to manage EDID settings for connected displays.

- **Firmware Updates:** Ensure the main device and all installed modules, including the Q16pro, are running the latest firmware. Firmware updates are typically managed through the main device's system settings.

For detailed operational procedures, consult the comprehensive user manual of your RGBlink video processor chassis.

5. MAINTENANCE

The RGBlink Q16pro module is designed for reliable operation with minimal maintenance. Adhere to the following guidelines:

- **Cleaning:** Keep the module and its connectors free from dust and debris. Use a soft, dry cloth for cleaning. Avoid liquid cleaners.

- **Ventilation:** Ensure the chassis housing the module has adequate ventilation to prevent overheating. Do not obstruct air vents.

- **Cable Management:** Ensure all connected cables are properly routed and secured to prevent strain on the connectors.

- **Environmental Conditions:** Operate the module within the recommended temperature and humidity ranges specified for the main device.

6. TROUBLESHOOTING

If you encounter issues with the Q16pro module, consider the following troubleshooting steps:

- **No Video Output:**

- Verify that the module is correctly seated in its slot.
- Check HDMI cable connections at both the module and the display.
- Ensure the display is powered on and set to the correct input.
- Confirm that the main device is routing a valid signal to the Q16pro output.
- Test with a different HDMI cable or display.

- **Incorrect Resolution/Refresh Rate:**

  - Check the output settings within the main device's control interface.
  - Verify the connected display supports the desired resolution and refresh rate.
  - Review EDID settings if applicable.

- **Module Not Detected:**

  - Power cycle the main device.
  - Re-seat the Q16pro module in its slot.
  - Ensure the main device's firmware is up to date.

If problems persist, contact RGBlink technical support or your authorized dealer.

7. SPECIFICATIONS

Feature	Detail
Model	Q16pro
Output Ports	2 x HDMI 2.0
Maximum Resolution	4K60 (4096x2160 at 60Hz)
Manufacturer	RGBlink
Item Weight	2 pounds (approx. 0.91 kg)
ASIN	B0C8RPWS2N
Date First Available	August 6, 2024

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official RGBlink website or contact your authorized RGBlink dealer. Keep your purchase receipt for warranty claims.
RGBlink Official Website: www.rgblink.com