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MCTRLVP TU15 Pro

MCTRLVP Nova Star TU15 Pro LED Playback Processor User Manual

Model: TU15 Pro

Introduction

The Nova Star TU15 Pro is an advanced playback control processor designed for indoor LED screens. This device integrates an Android operating system with sending card functionalities, enabling the execution of third-party applications and offering robust interaction and playback control capabilities. Its wireless screen mirroring feature, adaptable application scenarios, and user-friendly design make it suitable for various environments.



Figure 1: Front and rear view of the Nova Star TU15 Pro LED Playback Processor. The front panel features a power button and USB port, while the rear panel displays various input and output ports for connectivity.

Setup

Follow these steps to set up your Nova Star TU15 Pro LED Playback Processor:

1. **Power Connection:** Connect the DC 12V 3A power adapter to the 'AUDIO 12V === 3A' port on the rear panel.

2. **Video Input:** Connect your video source (e.g., computer, media player) to one of the two HDMI 1.3 input ports labeled 'HDMI IN'.
3. **LED Screen Output:** Connect the Ethernet cables from the 'ETHERNET' output ports (1-4) to your LED screen receiving cards. The device supports up to 2.6 million pixels across these four outputs.
4. **Audio Output:** For digital audio, connect to the 'SPDIF' port. For analog audio, use the 3.5-mm audio output port.
5. **USB Devices:** Connect USB devices such as a mouse, keyboard, or USB storage for multimedia playback and function extension to the 'USB 2.0' ports.
6. **Network Connection:** For network access, connect an Ethernet cable to the 'ETHERNET' input port or configure Wi-Fi using the 'WIFI-AP' antenna ports.
7. **Power On:** Press the power button on the front panel to turn on the device.



Figure 2: Detailed view of the rear panel of the Nova Star TU15 Pro, highlighting the various input and output ports including HDMI, USB, Ethernet, SPDIF, and power input.

Operating

The Nova Star TU15 Pro combines an Android system with sending card functions, offering versatile operation:

- **Android System:** Navigate the Android interface using a connected mouse or the included remote control. Install and run third-party applications as needed for your LED screen management.
- **Playback Control:** Utilize the device's built-in media player to play content from USB storage or network sources. The system supports various media formats.
- **Wireless Screen Mirroring:** Access the wireless screen mirroring function through the Android interface to project content from compatible devices onto your LED screen.

- **Sending Card Functionality:** Configure the LED screen parameters and display settings through the dedicated sending card software within the Android environment. Refer to the software's specific instructions for detailed configuration.
- **Remote Control:** Use the provided remote control for convenient navigation and control of the device's functions. Ensure batteries are correctly inserted.



Figure 3: The Nova Star TU15 Pro device shown with its accompanying accessories, including power adapter, network cable, Wi-Fi antennas, and a remote control for operational convenience.

Maintenance

To ensure optimal performance and longevity of your Nova Star TU15 Pro:

- **Cleaning:** Regularly clean the exterior of the device with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials.
- **Ventilation:** Ensure that the ventilation openings are not obstructed to prevent overheating. Do not place the device in enclosed spaces without adequate airflow.
- **Firmware Updates:** Periodically check for and install official firmware updates to ensure the device has the latest features and security patches.
- **Environmental Conditions:** Operate the device within recommended temperature and humidity ranges. Avoid exposure to extreme temperatures, direct sunlight, or high moisture.
- **Cable Management:** Keep all cables neatly organized and securely connected to prevent accidental disconnections or damage.

Troubleshooting

If you encounter issues with your Nova Star TU15 Pro, consider the following:

- **No Power:**
  - Verify the power adapter is correctly connected to the device and a working power outlet.
  - Ensure the power button on the front panel is pressed.
- **No Display on LED Screen:**
  - Check all HDMI input and Ethernet output cables for secure connections.
  - Confirm the LED screen is powered on and configured correctly to receive input from the TU15 Pro.
  - Verify the sending card software settings match your LED screen's resolution and configuration.
- **No Audio Output:**
  - Ensure audio cables are properly connected to the SPDIF or 3.5-mm audio output ports.
  - Check the audio settings within the Android system to ensure output is directed to the correct port and volume is not muted.
- **Remote Control Not Responding:**
  - Replace the batteries in the remote control.
  - Ensure there are no obstructions between the remote control and the device's IR receiver.
- **System Unresponsive:**
  - Perform a soft reset by holding the power button until the device restarts.
  - If the issue persists, disconnect the power adapter, wait 10 seconds, and reconnect it.

Specifications

Feature	Specification
Model	Nova TU15 PRO
Inputs	2x HDMI 1.3, 3x USB 2.0
Outputs	4x Ethernet, 1x SPDIF digital audio, 1x 3.5-mm audio
Load Capacity	Up to 2.6 million pixels
Output Image Scaling (Width)	800 to 4096 pixels
Output Image Scaling (Height)	600 to 1920 pixels
Input Voltage	DC 12V 3A
Rated Power Consumption	21W
RAM	4 GB
Internal Storage	32 GB
Net Weight	1.12 kg

Feature	Specification
Dimensions	211.7 mm x 185.0 mm x 50.6 mm (8.33 x 7.28 x 1.99 inches)



Figure 4: Bottom label of the Nova Star TU15 Pro, displaying manufacturer details, model number, input voltage, and compliance certifications.

Warranty and Support

For warranty information, please refer to the documentation provided with your purchase or contact your seller directly. Warranty terms and conditions may vary.

For technical support or further inquiries, please contact the manufacturer:

- **Manufacturer:** NOVASTAR
- **Manufacturer Address:** 101 Block D-F, 01 Square, Xi'an Software Park, No.72, 2nd Keji Road, Xi'an, Shaanxi, China

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