

adj VX16S

ADJ Products VX16S LED Display Video Processor

Model: VX16S

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient operation of the ADJ Products VX16S LED Display Video Processor. The VX16S is designed for professional LED video display applications, offering advanced video processing capabilities for various events and installations. Please read this manual thoroughly before operating the device to ensure proper setup, usage, and maintenance.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent damage to the device or injury to yourself:

- **Power Supply:** Connect the device only to a power supply that matches the voltage specified on the unit. Ensure the power cord is not damaged or pinched.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the unit to prevent overheating.
- **Moisture:** Do not expose the device to rain, moisture, or excessive humidity. Avoid placing liquids near the unit.
- **Servicing:** Refer all servicing to qualified service personnel. Do not attempt to open or repair the unit yourself.
- **Placement:** Place the unit on a stable, level surface. Avoid placing it in direct sunlight or near heat sources.
- **Grounding:** Ensure the unit is properly grounded to prevent electrical shock.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- ADJ Products VX16S LED Display Video Processor
- Power Cable
- USB Cable (for control software)
- User Manual (this document)

4. PRODUCT OVERVIEW

The ADJ Products VX16S is a powerful LED display video processor designed for high-performance video signal management. It features multiple input and output interfaces, advanced scaling, and picture-in-picture (PIP)

capabilities.

4.1 Front Panel Layout



Figure 1: Front panel of the ADJ Products VX16S LED Display Video Processor. From left to right, it features a power switch, USB port, input selection buttons (HDMI, DVI, SDI), a central LCD display showing system status and settings, menu navigation controls (knob and ESC button), control buttons (MAIN, PIP1, PIP2, SCALE), and function buttons (PRESET, FN).

The front panel provides access to all essential controls and indicators for quick setup and operation:

- **Power Switch:** Toggles the unit on/off.
- **USB Port:** For connecting to a computer for software control and firmware updates.
- **Input Buttons:** Dedicated buttons for selecting various input sources such as HDMI, DVI, and SDI.
- **LCD Display:** Shows current status, menu options, and configuration settings.
- **Menu/Control Section:** Includes a rotary encoder for navigation and selection, and an ESC button to exit menus.
- **Control Buttons:** Buttons for MAIN output, Picture-in-Picture (PIP1, PIP2), and Scaling functions.
- **Function Buttons:** Buttons for recalling PRESETs and other FN (Function) specific operations.

4.2 Rear Panel Layout

The rear panel houses all input and output connectors. *(Note: A detailed image of the rear panel is not available, but typical connections include power input, multiple HDMI, DVI, SDI inputs, Ethernet ports for sending data to LED screens, and potentially auxiliary audio inputs/outputs.)*

- **AC Power Input:** Standard power connector.
- **Video Inputs:** Multiple HDMI, DVI, and SDI ports for connecting various video sources.
- **Ethernet Output Ports:** RJ45 ports for connecting to LED receiving cards or distribution devices.
- **Control Ports:** Additional USB or Ethernet ports for remote control or cascading.

5. SETUP

5.1 Unpacking and Inspection

Carefully remove the VX16S from its packaging. Inspect the unit for any signs of damage during transit. If any damage is found, contact your dealer immediately.

5.2 Power Connection

1. Ensure the power switch on the front panel is in the "OFF" position.
2. Connect the supplied power cable to the AC power input on the rear panel of the VX16S.
3. Plug the other end of the power cable into a grounded electrical outlet.

5.3 Input/Output Connections

Connect your video sources and LED display panels to the VX16S:

- **Video Inputs:** Connect your video sources (e.g., media players, cameras, computers) to the HDMI, DVI, or SDI input ports on the rear panel.
- **LED Display Outputs:** Connect the Ethernet output ports of the VX16S to the input ports of your LED display receiving cards or LED video distribution system. Ensure correct cabling and port mapping according to your LED display's configuration.
- **Control Connection (Optional):** For advanced control and configuration, connect the VX16S to a computer via the USB port on the front panel or an Ethernet port on the rear panel (if available for control).

5.4 Initial Power-On

1. After all connections are made, switch the power button on the front panel to the "ON" position.
2. The LCD display on the front panel will illuminate and show the boot-up sequence.
3. Once booted, the display will show the main operating interface.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

- **Input Selection:** Press the corresponding input button (HDMI, DVI, SDI) on the front panel to switch between video sources. The active input will be indicated on the LCD display.
- **Menu Navigation:** Use the rotary encoder knob to scroll through menu options on the LCD display. Press the knob to select an option. Press the "ESC" button to go back to the previous menu or exit the current menu.
- **Brightness Adjustment:** Navigate to the display settings menu to adjust the overall brightness of the LED display.

6.2 Advanced Features

- **Scaling:** Press the "SCALE" button to access scaling options. This allows you to adjust the input resolution to match the native resolution of your LED display, ensuring optimal image quality.
- **Picture-in-Picture (PIP) / Picture-by-Picture (PBP):** Use the "PIP1" and "PIP2" buttons to activate and configure PIP/PBP modes. This allows you to display multiple video sources simultaneously on the LED screen. Navigate through the menu to adjust the size, position, and input source for each PIP window.
- **Presets:** The "PRESET" button allows you to save and recall frequently used configurations. This is useful for quick scene changes during live events.
- **Function (FN) Button:** The "FN" button may provide access to user-definable shortcuts or specific advanced functions. Refer to the on-screen menu for details.

6.3 Software Control (Optional)

For more detailed configuration and control, the VX16S can be managed via dedicated software on a computer. Connect the unit to your computer using the USB cable. Install the appropriate software provided by ADJ Products (usually available for download from their official website). The software offers a graphical interface for managing input/output settings, screen configurations, advanced scaling, color adjustments, and more.

7. MAINTENANCE

7.1 Cleaning

To maintain the appearance and functionality of your VX16S:

- Disconnect the power before cleaning.
- Use a soft, dry cloth to wipe the exterior surfaces.
- For stubborn dirt, slightly dampen the cloth with water. Do not use harsh chemicals or abrasive cleaners.
- Periodically clean the ventilation grilles to ensure proper airflow.

7.2 Firmware Updates

ADJ Products may release firmware updates to improve performance, add features, or fix bugs. Check the official ADJ Products website periodically for the latest firmware. Follow the instructions provided with the firmware update package carefully to avoid damaging the unit.

7.3 Storage

If storing the unit for an extended period, ensure it is powered off, disconnected from all cables, and stored in a cool, dry place, away from direct sunlight and extreme temperatures. It is recommended to keep the original packaging for safe storage and transport.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with the VX16S. If the problem persists, contact ADJ Products customer support.

Problem	Possible Cause	Solution
No power	Power cable disconnected; Power switch off; Faulty outlet	Check power cable connection; Ensure power switch is ON; Test outlet with another device

Problem	Possible Cause	Solution
No video output on LED screen	Incorrect input selected; Output cables loose/damaged; LED screen not configured correctly; Resolution mismatch	Verify input selection; Check all video and Ethernet cables; Ensure LED screen is powered and configured; Adjust output resolution on VX16S to match LED screen
Image distorted or flickering	Poor cable connection; Incorrect scaling settings; Interference	Reseat cables; Adjust scaling settings; Check for nearby sources of electromagnetic interference
Unit unresponsive	Temporary software glitch; Overheating	Power cycle the unit (turn off, wait 10 seconds, turn on); Ensure proper ventilation

9. SPECIFICATIONS

The following are the technical specifications for the ADJ Products VX16S LED Display Video Processor:

- **Model:** VX16S
- **Item Weight:** 37 pounds
- **Package Dimensions:** 18 x 15.25 x 9.75 inches
- **ASIN:** B09RGKNL4D
- **Color Name:** Black
- **Brand:** ADJ
- **Connectivity Technology:** Ethernet
- **Manufacturer:** ADJ Products
- **UPC:** 810087370015
- **First Available:** January 29, 2022

10. WARRANTY AND SUPPORT

ADJ Products warrants its products to be free from defects in material and workmanship for a specified period from the date of purchase. Please refer to the warranty card included with your product or visit the official ADJ Products website for detailed warranty terms and conditions.

For technical support, service, or parts inquiries, please contact ADJ Products customer service. Have your model number (VX16S) and purchase information ready when contacting support.

ADJ Products Official Website: www.adj.com (Note: This is a placeholder URL, please refer to the actual ADJ Products website for support contact information.)

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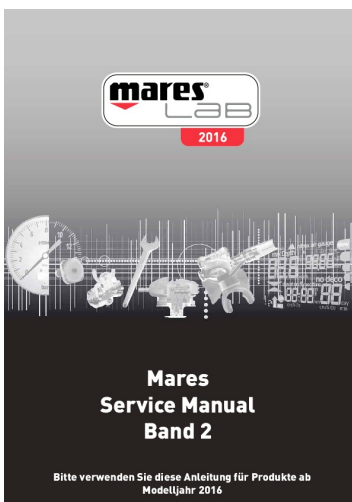
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