

Kramer VP-8K

Kramer VP-8K 1:8 Computer Graphics Video Distribution Amplifier User Manual

Model: VP-8K | Brand: Kramer Electronics

INTRODUCTION

The Kramer VP-8K is a high-performance distribution amplifier designed for computer graphics video signals, supporting resolutions up to and exceeding UXGA. This device efficiently takes a single input signal, buffers and isolates it, and then distributes it to eight identical outputs. It is engineered for reliable signal distribution in various professional audio-visual environments.

Key features include:

- **High Bandwidth:** 370MHz (–3dB) for clear signal transmission.
- **HDTV Compatible:** Supports high-definition television signals.
- **Selectable Sync Input Impedance:** Options for 75ohm (video) and 510ohm (Graphics/TTL).
- **Kr–isp Advanced Sync Processing:** A proprietary technology that ensures compatibility with a wide range of computers by restoring the sync signal waveform, even if the original sync level is low. This feature can be enabled or disabled as needed.
- **Compact Design:** Desktop size, with the option for side-by-side rack mounting in a 1U space using the RK–1 adapter (sold separately).

PRODUCT OVERVIEW

The VP-8K unit features a robust design with clearly labeled ports for easy setup and operation. Below are images illustrating the front and rear panels of the device.



Figure 1: Front and Rear Panels of the Kramer VP-8K Distribution Amplifier. The top view shows the front panel with the "POWER" indicator and "1:8 VGA/UXGA Distributor" label. The bottom view displays the rear panel with one VGA/UXGA input, eight VGA/UXGA outputs, a sync impedance switch, and the 5V DC power input.

SETUP AND CONNECTIONS

Follow these steps to set up your Kramer VP-8K distribution amplifier:

1. **Power Off Devices:** Ensure all source devices (computers, media players) and display devices (monitors, projectors) are powered off before making any connections.
2. **Connect Input Source:** Connect your computer graphics video source (e.g., PC, laptop) to the **INPUT** 15-pin HD (F) connector on the rear panel of the VP-8K using a high-quality VGA/UXGA cable.
3. **Connect Output Displays:** Connect up to eight display devices (e.g., monitors, projectors) to the **OUTPUT 1** through **OUTPUT 8** 15-pin HD (F) connectors on the rear panel using high-quality VGA/UXGA cables.
4. **Set Sync Impedance:** Locate the **SYNC** switch on the rear panel.
 - For video signals, set the switch to **75Ω**.
 - For computer graphics (TTL) signals, set the switch to **Hi-Z (TTL)**.
5. **Connect Power:** Connect the supplied 5V DC power adapter to the **5V DC** input jack on the rear panel of the VP-8K. Plug the power adapter into a suitable electrical outlet. The power indicator on the front panel should illuminate.
6. **Power On Devices:** Power on your display devices first, then power on your source device.

Note: For optimal performance, use Kramer high-resolution cables.

OPERATING INSTRUCTIONS

The Kramer VP-8K is designed for straightforward operation, primarily functioning as a plug-and-play distribution amplifier once connections are established.

- **Signal Distribution:** Once powered on and connected, the VP-8K automatically distributes the input computer

graphics video signal to all eight connected output displays simultaneously.

- **Kr-isp Advanced Sync Processing:** This feature is typically enabled by default to ensure maximum compatibility. If you experience sync issues with a particular source, you may try disabling this feature (if an external switch or setting is available, though for VP-8K it's internal and automatic). The primary function is to restore weak sync signals.
- **Resolution Support:** The unit supports resolutions up to and exceeding UXGA. Ensure your source and display devices are configured to compatible resolutions.

No user intervention is typically required beyond initial setup and power cycling.

MAINTENANCE

To ensure the longevity and optimal performance of your Kramer VP-8K, follow these maintenance guidelines:

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth to wipe the exterior of the unit. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure the unit has adequate ventilation. Do not block any ventilation openings.
- **Environment:** Operate the unit in a dry environment, away from direct sunlight, excessive heat, or moisture.
- **Cable Management:** Periodically check all cable connections to ensure they are secure and free from damage.

TROUBLESHOOTING

If you encounter issues with your Kramer VP-8K, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No video output on displays.	No power to VP-8K. Incorrect cable connections. Source device not outputting signal. Display device not powered on or on wrong input.	Check power adapter and outlet. Ensure power indicator is lit. Verify all VGA/UXGA cables are securely connected to the correct input/output ports. Ensure source device is powered on and configured to output video. Check display power and input selection.
Poor video quality (e.g., blurry, distorted, color issues).	Low-quality or damaged cables. Incorrect sync impedance setting. Source resolution incompatible.	Use high-quality VGA/UXGA cables. Replace damaged cables. Verify the SYNC switch is set correctly (75Ω for video, Hi-Z (TTL) for graphics). Adjust source resolution to be compatible with displays and the VP-8K's capabilities.
Only some outputs show video.	Faulty output cable or display.	Swap cables or displays to isolate the faulty component.

SPECIFICATIONS

Feature	Detail
Input	1 x VGA/UXGA on a 15-pin HD (F) connector


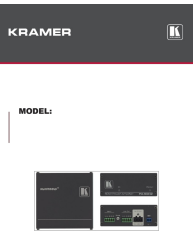
Feature	Detail
Output	8 x VGA/UXGA on 15-pin HD (F) connectors
Bandwidth	370MHz (–3dB)
HDTV Compatible	Yes
Sync Input Impedance	Selectable: 75Ω (video), 510Ω (Graphics/TTL)
Sync Processing	Kr–isp Advanced Sync Processing (can be enabled/disabled)
Product Dimensions (L x W x H)	6.4 x 8.45 x 1.72 inches (16.26 x 21.46 x 4.37 cm)
Item Weight	1.54 pounds (0.7 kg)
Model Number	VP-8K
Manufacturer	Kramer
Mounting Type	Surface Mount (Rack mountable with optional RK–1 adapter)




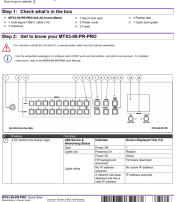



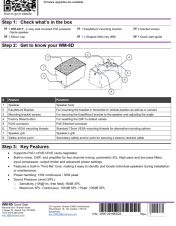
WARRANTY AND SUPPORT

Kramer products are designed for reliability and performance. For information regarding warranty coverage, technical support, or service, please refer to the official Kramer website or contact their customer support directly. Keep your purchase receipt for warranty claims.

For the most up-to-date information, visit the [Kramer Store on Amazon](#) or the official Kramer Electronics website.

Related Documents - VP-8K

	<p>Kramer VP-426C and VP-424C 4K HDMI/USB-C Scaler User Manual</p> <p>User manual for Kramer VP-426C and VP-424C 4K HDMI/USB-C Scalers. Learn about setup, connections, operation, advanced features like auto-switching and EDID management, and technical specifications for professional AV environments.</p>
	<p>Kramer PA-50HZ 50W Power Amplifier User Manual</p> <p>User manual for the Kramer PA-50HZ 50W Power Amplifier, detailing its features, specifications, connections, and safety instructions for professional audio applications.</p>

 <p>USER MANUAL MODEL: VP-427X 4K HDBT/HDMI Receiver Scaler Switcher</p>  <p>VP-427X-001 Rev 1.0</p>	<p>Kramer VP-427X 4K HDBT/HDMI Receiver Scaler Switcher User Manual</p> <p>Comprehensive user manual for the Kramer VP-427X, a high-performance 4K HDBaseT/HDMI receiver scaler switcher. Learn about its features, connectivity, operation, and technical specifications for professional AV installations.</p>
 <p>MTX3-88-PR-PRO Quick Start Guide</p>  <p>MTX3-88-PR-PRO-001 Rev 1.0</p>	<p>Kramer MTX3-88-PR-PRO 8x8 Matrix Switcher: Quick Start Guide</p> <p>Quickly set up and operate the Kramer MTX3-88-PR-PRO, an 8x8 All-in-one Matrix switcher designed for professional audio-video routing. This guide covers unboxing, initial connections, and basic operation.</p>
 <p>USER MANUAL MODEL: WP-SW2-EN7 4K AVoIP Encoder</p>  <p>WP-SW2-EN7-001 Rev 1.0</p>	<p>Kramer WP-SW2-EN7 4K AVoIP Encoder User Manual</p> <p>Explore the Kramer WP-SW2-EN7 4K AVoIP Encoder with this comprehensive user manual. Learn about its advanced features for high-quality AV over IP streaming, including setup, configuration, technical specifications, and control methods for professional AV environments.</p>
 <p>WM-8D Quick Start Guide</p>  <p>WM-8D-001 Rev 1.0</p>	<p>Kramer WM-8D PoE Dante Speaker Quick Start Guide</p> <p>Quick start guide for installing and setting up the Kramer WM-8D, an 8-inch, 2-way wall-mounted PoE powered Dante speaker with built-in DSP, mixer, and amplifier. Learn about features, installation, and Dante networking.</p>