



KRAMER ELECTRONICS LTD.

USER MANUAL

MODELS:

WAV-5

WAV-5C

WAV-3

WA-1H

WAV-1R

WAV-1RP

Wall Plate Series

P/N: 2900-300124 Rev 2

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1 Introduction

Welcome to Kramer Electronics! Since 1981, Kramer Electronics has been providing a world of unique, creative, and affordable solutions to the vast range of problems that confront the video, audio, presentation, and broadcasting professional on a daily basis. In recent years, we have redesigned and upgraded most of our line, making the best even better!

Our 1,000-plus different models now appear in 13 groups that are clearly defined by function: GROUP 1: Distribution Amplifiers; GROUP 2: Switchers and Routers; GROUP 3: Control Systems; GROUP 4: Format/Standards Converters; GROUP 5: Range Extenders and Repeaters; GROUP 6: Specialty AV Products; GROUP 7: Scan Converters and Scalers; GROUP 8: Cables and Connectors; GROUP 9: Room Connectivity; GROUP 10: Accessories and Rack Adapters and GROUP 11: Sierra Video Products; GROUP 12: Digital Signage; and GROUP 13: Audio.

Congratulations on purchasing your Kramer Wall Plate / Wall Plate Insert (each supplied with the required screws), which is ideal for these applications:

- Board rooms, conference rooms and training rooms
- Presentation systems
- Long distance signal distribution and home theater systems

2 Getting Started

We recommend that you:

- Unpack the equipment carefully and save the original box and packaging materials for possible future shipment
- Review the contents of this user manual



Go to http://www.kramerelectronics.com/support/product_downloads.asp to check for up-to-date user manuals, application programs, and to check if firmware upgrades are available (where appropriate).

2.1 Achieving the Best Performance

To achieve the best performance:

- Use only good quality connection cables to avoid interference, deterioration in signal quality due to poor matching, and elevated noise levels (often associated with low quality cables)
- Avoid interference from neighboring electrical appliances that may adversely influence signal quality
- Position your Kramer Wall Insert away from moisture, excessive sunlight and dust

3 Overview

This user manual describes the following wall plate inserts:

- **WAV-5** and **WAV-5C** (see [Section 3.1](#))
- **WAV-3**, **WA-1H**, **WAV-1R**, and **WAV-1RP** (see [Section 3.2](#))

3.1 WAV-5 and WAV-5C Wall Plate Inserts

The **WAV-5** (see [Section 3.1.1](#)) and **WAV-5C** (see [Section 3.1.2](#)), are available in three versions: one for Belgium and Germany, one for England and Europe (except Belgium and Germany), and one for the United States.

3.1.1 WAV-5

The **WAV-5** is a 1 gang wall plate insert (see [Figure 1](#)) with pass through connectors for:

- Computer graphics video on a 15-pin HD connector and unbalanced stereo audio on a 3.5mm jack connector flush against the front panel, and a short flexible 12cm (4.7") cable with a 3.5 mini jack connector at the rear
- Video (composite or SDI) on a yellow RCA connector and unbalanced stereo audio on RCA connectors (white for L and red for R)

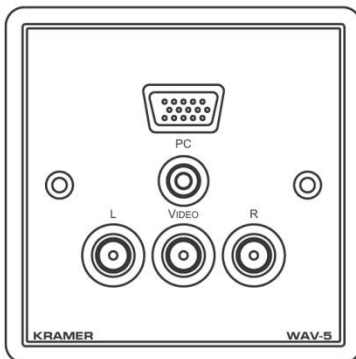
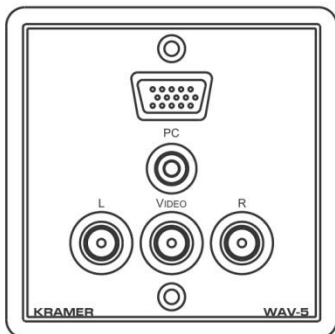
3.1.2 WAV-5C

The **WAV-5C** is a 1 gang wall plate insert (see [Figure 2](#)) with pass through connectors and 5 cables with BNC connectors (colored red (R), green (G), blue (B), black (Vertical sync) and yellow (Horizontal sync)) on the rear included for:

- Computer graphics video on a 15-pin HD connector and unbalanced stereo audio on a 3.5mm jack connector flush against the front panel, and a short flexible 12cm (4.7") cable with a 3.5 mini jack connector at the rear
- Video (composite or SDI) on a yellow RCA connector and unbalanced stereo audio on RCA connectors (white for L and red for R)



Destination: Belgium and Germany Destination: England and Europe



Destination: United States

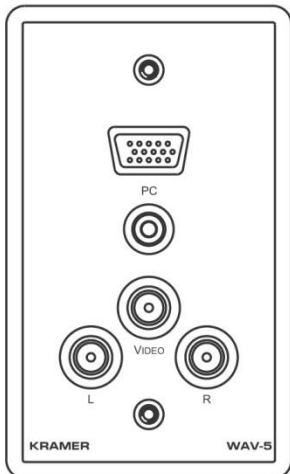
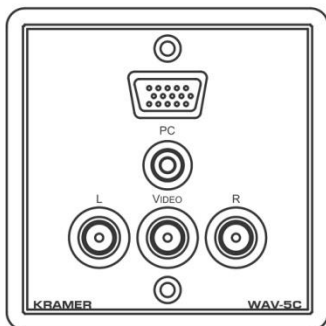


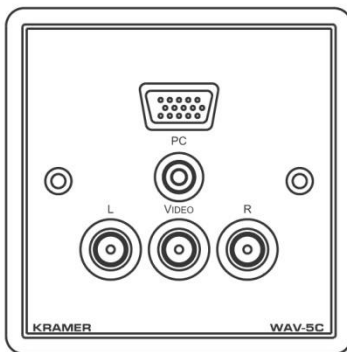
Figure 1: WAV-5



Destination: Belgium and Germany



Destination: England and Europe



Destination: United States

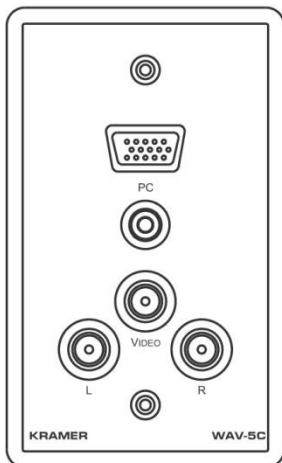


Figure 2: WAV-5C

3.2 WAV-3, WA-1H, WAV-1R, WAV-1RP Wall Plate Inserts

This section describes the following wall plate inserts:

- **WAV-3** (see [Section 3.2.1](#))
- **WA-1H** (see [Section 3.2.2](#))
- **WAV-1R** (see [Section 3.2.3](#))
- **WAV-1RP** (see [Section 3.2.4](#))

3.2.1 WAV-3

The **WAV-3** is a dual-insert wall plate insert (see [Figure 3](#)) with pass through connectors for video (composite or SDI) on a yellow RCA connector and unbalanced stereo audio on RCA connectors (white for L and red for R):



Figure 3: WAV-3

3.2.2 WA-1H

The **WA-1H** is a single-insert wall plate insert (see [Figure 4](#)) for unbalanced stereo audio on a 3.5mm mini jack connector with a terminal block connector on the rear (see [Figure 5](#)):



Figure 4: WA-1H (Front)

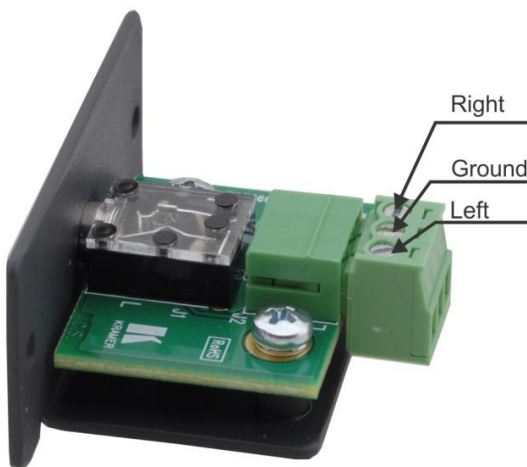


Figure 5: WA-1H (Rear)

3.2.3 WAV-1R

The **WAV-1R** is a single insert wall plate insert (see [Figure 6](#)) for video (composite or SDI) on a yellow RCA connector and unbalanced stereo audio on a 3.5mm mini jack connector, with a terminal block connector on the rear (see [Figure 7](#) and [Figure 8](#)):



Figure 6: WAV-1R (Front)

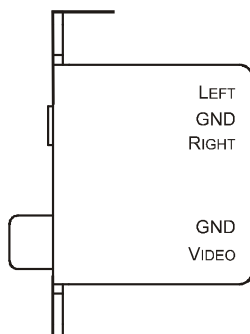


Figure 7: WAV-1R (Side)

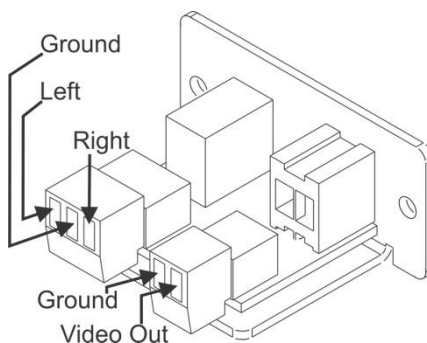


Figure 8: WAV-1R (Rear)

3.2.4 WAV-1RP

The **WAV-1RP** is a wall plate insert with pass through connectors for video (composite or SDI) on a yellow RCA connector and unbalanced stereo audio on a 3.5mm mini plug connector (see [Figure 9](#)).



Figure 9: WAV-1RP

LIMITED WARRANTY

The warranty obligations of Kramer Electronics for this product are limited to the terms set forth below:

What is Covered

This limited warranty covers defects in materials and workmanship in this product.

What is Not Covered

This limited warranty does not cover any damage, deterioration or malfunction resulting from any alteration, modification, improper or unreasonable use or maintenance, misuse, abuse, accident, neglect, exposure to excess moisture, fire, improper packing and shipping (such claims must be presented to the carrier), lightning, power surges, or other acts of nature. This limited warranty does not cover any damage, deterioration or malfunction resulting from the installation or removal of this product from any installation, any unauthorized tampering with this product, any repairs attempted by anyone unauthorized by Kramer Electronics to make such repairs, or any other cause which does not relate directly to a defect in materials and/or workmanship of this product. This limited warranty does not cover cartons, equipment enclosures, cables or accessories used in conjunction with this product.

Without limiting any other exclusion herein, Kramer Electronics does not warrant that the product covered hereby, including, without limitation, the technology and/or integrated circuit(s) included in the product, will not become obsolete or that such items are or will remain compatible with any other product or technology with which the product may be used.

How Long Does this Coverage Last

Seven years as of this printing; please check our Web site for the most current and accurate warranty information.

Who is Covered

Only the original purchaser of this product is covered under this limited warranty. This limited warranty is not transferable to subsequent purchasers or owners of this product.

What Kramer Electronics will do

Kramer Electronics will, at its sole option, provide one of the following three remedies to whatever extent it shall deem necessary to satisfy a proper claim under this limited warranty:

1. Elect to repair or facilitate the repair of any defective parts within a reasonable period of time, free of any charge for the necessary parts and labor to complete the repair and restore this product to its proper operating condition. Kramer Electronics will also pay the shipping costs necessary to return this product once the repair is complete.
2. Replace this product with a direct replacement or with a similar product deemed by Kramer Electronics to perform substantially the same function as the original product.
3. Issue a refund of the original purchase price less depreciation to be determined based on the age of the product at the time remedy is sought under this limited warranty.

What Kramer Electronics will not do Under This Limited Warranty

If this product is returned to Kramer Electronics or the authorized dealer from which it was purchased or any other party authorized to repair Kramer Electronics products, this product must be insured during shipment, with the insurance and shipping charges prepaid by you. If this product is returned uninsured, you assume all risks of loss or damage during shipment. Kramer Electronics will not be responsible for any costs related to the removal or re-installation of this product from or into any installation. Kramer Electronics will not be responsible for any costs related to any setting up this product, any adjustment of user controls or any programming required for a specific installation of this product.

How to Obtain a Remedy under this Limited Warranty

To obtain a remedy under this limited warranty, you must contact either the authorized Kramer Electronics reseller from whom you purchased this product or the Kramer Electronics office nearest you. For a list of authorized Kramer Electronics resellers and/or Kramer Electronics authorized service providers, please visit our web site at www.kramerelectronics.com or contact the Kramer Electronics office nearest you.

In order to pursue any remedy under this limited warranty, you must possess an original, dated receipt as proof of purchase from an authorized Kramer Electronics reseller. If this product is returned under this limited warranty, a return authorization number, obtained from Kramer Electronics, will be required. You may also be directed to an authorized reseller or a person authorized by Kramer Electronics to repair the product.

If it is decided that this product should be returned directly to Kramer Electronics, this product should be properly packed, preferably in the original carton, for shipping. Cartons not bearing a return authorization number will be refused.

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Other Conditions

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We welcome your questions, comments, and feedback.

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E-mail: info@kramerel.com



SAFETY WARNING

Disconnect the unit from the power supply before opening and servicing



P/N: 2900-300124



Rev: 2