MODEL:

**Galil 6-O (SPK-W611T)**
On-Wall Speakers

P/N: 2900-300258 Rev 1
Galil 6-O Quick Start Guide

This guide helps you install and use your product for the first time. For more detailed information, go to http://www.kramerelectronics.com/support/product_downloads.asp to download the latest manual or scan the QR code on the left.

Step 1: Check what’s in the box

- Galil 6-O On-wall Speakers
- 2 Mounting brackets
- 4 knobs
- 4 Mounting screws
- 1 Quick start guide

Save the original box and packaging materials in case you need to return your product for service.

Step 2: Choose the best location

Before installing the speakers:

- Experiment by placing the speakers in different locations before finally deciding on the most suitable location
- Be sure that the wall type is appropriate for the mounting brackets, that is, either solid wood, bricks, concrete, hollow building blocks, or wood studs
- Check that the mounting location is free of obstructions, such as electrical piping, AC ducts or water lines, and so on

Step 3: Install the speakers

To install the speakers:

- Cut the black and white dual color wires to similar lengths, leaving some access wire to easily remove the speakers from the brackets
- Connect the mounting brackets
- Adjust the tap setting

For best results, we recommend that you always use Kramer high-performance cables to connect AV equipment to your speakers.
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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 video, audio, presentation, and broadcasting professionals 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 11 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 Products.

Congratulations on purchasing your Kramer Galil 6-O On-Wall Speakers, which are ideal for:

- Conference rooms
- Boardrooms and classrooms
- Multimedia systems
- Hotels
- Restaurants and shops
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 (we recommend Kramer high-performance, high-resolution cables) to avoid interference, deterioration in signal quality due to poor matching, and elevated noise levels (often associated with low quality cables)
- Do not secure the cables in tight bundles or roll the slack into tight coils
- Avoid interference from neighboring electrical appliances that may adversely influence signal quality
- Position your Kramer Speakers away from moisture, excessive sunlight and dust

This equipment is to be used only inside a building. It may only be connected to other equipment that is installed inside a building.

Do not open the housing of the speaker; doing so may reduce the quality of the sound.
2.2 Recycling Kramer Products

The Waste Electrical and Electronic Equipment (WEEE) Directive 2002/96/EC aims to reduce the amount of WEEE sent for disposal to landfill or incineration by requiring it to be collected and recycled. To comply with the WEEE Directive, Kramer Electronics has made arrangements with the European Advanced Recycling Network (EARN) and will cover any costs of treatment, recycling and recovery of waste Kramer Electronics branded equipment on arrival at the EARN facility. For details of Kramer’s recycling arrangements in your particular country go to our recycling pages at http://www.kramerelectronics.com/support/recycling/.
3 Overview

The Galil 6-O includes a pair of high performance on-wall speakers that can be mounted on the wall either vertically or horizontally. The mounting brackets, made of painted steel, can be attached to each speaker, letting you rotate each speaker to the left or right. The Galil 6-O speakers feature a multi-tap power transformer for selecting 8Ω (bypassing the transformer) or 70V/100V power settings that are suitable for an array installation.
### 3.1 Defining the Galil 6-O

This section defines the **Galil 6-O**:

![Galil 6-O Diagram]

<table>
<thead>
<tr>
<th>#</th>
<th>Feature</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Bracket knobs (2)</td>
<td>Use two knobs to fasten the bracket to the speaker</td>
</tr>
<tr>
<td>2</td>
<td>Tweeter</td>
<td>Reproduces the higher frequency sounds</td>
</tr>
<tr>
<td>3</td>
<td>Bass Port</td>
<td>Enforces the low-frequency sounds</td>
</tr>
<tr>
<td>4</td>
<td>Speaker Grille</td>
<td>Protects the internal components of the speaker from foreign objects</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Do not remove this from the speakers</td>
</tr>
<tr>
<td>5</td>
<td>Woofer Driver</td>
<td>Reproduces low frequencies</td>
</tr>
<tr>
<td>6</td>
<td>Bracket</td>
<td>Use to mount the speaker onto the wall (allowing rotation to the left/right side)</td>
</tr>
<tr>
<td>7</td>
<td>Keyhole Mounting Point</td>
<td>Use to attach the bracket to the wall</td>
</tr>
<tr>
<td>8</td>
<td>Tap Selector</td>
<td>Adjust each speaker to the appropriate tap setting:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>For 70V: 3.7W, 7.5W, 15W or 30W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>For 100V, select 7.5W, 15W or 30W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Or select 8Ω (to bypass the transformer when connecting directly to an amplifier without using the 70/100V array option), see Figure 2</td>
</tr>
<tr>
<td>9</td>
<td>Input and Output Terminal Block Connectors</td>
<td>One +, - pair for the input and the other pair to output to the next speaker in an array configuration (see Section 4.4)</td>
</tr>
</tbody>
</table>

Figure 1: Galil 6-O
4 Installing the Galil 6-O

This section explains how to:

- Choose the best location for your speakers (see Section 4.1)
- Install the speaker wires (see Section 4.2)
- Install the mounting brackets (see Section 4.3)
- Setup an array installation (see Section 4.4)
- Connect the Galil 6-O (see Section 4.5)

4.1 Choosing the Best Location

Before installing the speakers:

- Experiment by placing the speakers in different locations before finally deciding on the most suitable location
- Be sure that the wall type is appropriate for the mounting brackets, that is, either solid wood, bricks, concrete, hollow building blocks, or wood studs
- Check that the mounting location is free of obstructions, such as electrical piping, AC ducts or water lines, and so on

4.2 Installing the Speaker Wires

To install the speakers, do the following:

1. Prepare the wires for the speakers:
   - Cut the wires to similar lengths
     For achieving high quality sound
   - Measure the length from each speaker to the receiver, and cut the wires accordingly, adding some access wire length to let you easily remove the speakers from the bracket without having to disconnect the input wires

2. Strip the ends of the wires to expose a length of approximately 3/8 inch.
3. Pass the speaker wires through the round hole in the mounting bracket (see Section 4.3).

4. Adjust each speaker to the appropriate tap setting (see Figure 2).
   Set the tap according to the power requirements of the speaker based on its location in the room (for example, a speaker located in a remote corner may require additional power).

Figure 2: Adjust Tap Selector

5. Connect one of the + and − terminal block pairs on the rear panel (see Figure 1) by connecting the wire from the:
   - Negative terminal on the receiver into the negative terminal block of the speaker
   - Positive terminal on the receiver into the positive terminal block of the speaker

6. Repeat step 5 for the other speaker (see Figure 7).

7. If required, connect the + and − terminal blocks to the + and − terminal blocks to an adjacent speaker (as illustrated in the example in Figure 6).

4.3 Installing the Mounting Bracket

To install the mounting brackets, do the following:

1. Mark the location of the mounting holes on the wall.

2. Screw the mounting screws onto the wall at the location that you want to mount the speakers.
   If the location is backed by wall studs, you can use the wood screws provided. If the location is backed by a gypsum board, use wall anchors (not included in the package).
3. Slide a speaker into each mounting bracket.

4. Align the bracket screw holes (upper and lower) to those on the speaker and screw a knob to each of the holes to secure the speaker to the bracket (see Figure 3).

Figure 3: Galil 6-O with Brackets Connected

5. Slide the mounting bracket over the mounting screws so that the mounting bracket is secured to the surface.

6. You can slightly loosen the knobs on a speaker to adjust its direction.
### 4.4 Setting up an Array Installation

When installing the **Galil 6-O** in an array installation layout, you need to define the distance between speakers as well as the layout pattern (square or hexagonal). The distance between speakers is set according to the uniformity of the coverage desired and the budget.

The coverage angle of the speaker determines the coverage area and the number of speakers required in the array installation. Two patterns are usually used for array installations, square (see Figure 4) or hexagonal (see Figure 5), depending on the shape of the installation area. The speakers are positioned according to their coverage area.

#### Figure 4: Square Layout

![Figure 4: Square Layout](image)

#### Figure 5: Hexagonal Layout

![Figure 5: Hexagonal Layout](image)

You can set the power on each speaker to get the desired power level in different installation areas.
Figure 6 shows an example of parallel wiring in a square array installation:
4.5 Connecting the Galil 6-O

You can connect the Galil 6-O speakers to an amplifier, for example the Kramer 907xl Power Amplifier/Mixer, as illustrated in Figure 7:

Figure 7: Connecting the Galil 6-O
# Technical Specifications

<table>
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<tbody>
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<td>DESCRIPTION:</td>
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<tr>
<td>FREQUENCY RESPONSE:</td>
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<tr>
<td>WOOFER:</td>
</tr>
<tr>
<td>TWEETER:</td>
</tr>
<tr>
<td>IMPEDANCE:</td>
</tr>
<tr>
<td>TRANSFORMER TAPS:</td>
</tr>
<tr>
<td>SENSITIVITY:</td>
</tr>
<tr>
<td>MAX SPL:</td>
</tr>
<tr>
<td>POWER HANDLING:</td>
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<tr>
<td>CROSSOVER FREQUENCY:</td>
</tr>
<tr>
<td>DIRECTIVITY FACTOR (Q):</td>
</tr>
<tr>
<td>DIRECTIVITY INDEX (DI):</td>
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<tr>
<td>INPUT CONNECTORS:</td>
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</table>

<table>
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<tr>
<th>Shipping and Installation</th>
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<tr>
<td>MATERIALS:</td>
</tr>
<tr>
<td>OPERATING TEMPERATURE:</td>
</tr>
<tr>
<td>STORAGE TEMPERATURE:</td>
</tr>
<tr>
<td>HUMIDITY:</td>
</tr>
<tr>
<td>WEIGHT PER SINGLE SPEAKER:</td>
</tr>
<tr>
<td>WEIGHT WITH MOUNTING KIT:</td>
</tr>
<tr>
<td>SHIPPING WEIGHT (FOR PAIR):</td>
</tr>
<tr>
<td>DIMENSIONS:</td>
</tr>
<tr>
<td>DIMENSIONS WITH MOUNTING BRACKETS:</td>
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<td>INSTALLATION CLEARANCE:</td>
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<tr>
<td>ACCESSORIES:</td>
</tr>
<tr>
<td>OPTIONS:</td>
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<tr>
<td>COLORS:</td>
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</tbody>
</table>

Specifications are within a 10% tolerance and are subject to change without notice at [http://www.kramerelectronics.com](http://www.kramerelectronics.com)
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The warranty obligations of Kramer Electronics for this product are limited to the terms set forth below:

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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 excessive moisture, fire, improper packaging 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, or 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.

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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 return this product to its proper operating condition. Kramer Electronics will also pay the shipping charges necessary to return this product once the repair is complete.

2. Replace this product with a direct replacement or with a similar product as determined 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 the remedy is sought under this limited warranty.

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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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We welcome your questions, comments, and feedback.
Web site: www.kramerelectronics.com
E-mail: info@kramerel.com

SAFETY WARNING
Disconnect the unit from the power supply before opening and servicing