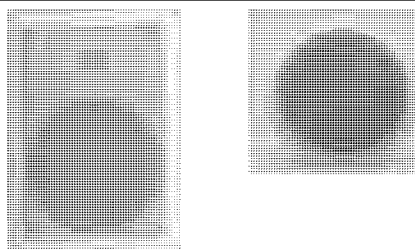


## SPK-IO608 and SPK-CO608

Congratulations on purchasing your Kramer **SPK-IO608 In-wall Speakers** (rectangular) and/or the **SPK-CO608 Open Ceiling Speakers** (round), which are ideal for multi-media and boardroom applications.



The **SPK-IO608** includes a pair of high performance speakers that can be mounted in the wall vertically or horizontally.

The **SPK-CO608** includes a pair of high performance open back speakers that can be mounted in the ceiling.

## Choosing the Best Location

Ideally, locate the speakers in the main listening area. Before doing so, be sure that the:

- Desired location is free of obstructions, such as electrical piping, AC ducts or water lines, and so on
- Thickness of the mounting surface is between 0.375" and 1.25", and that there is at least a space of 2.75" behind the mounting surface for open back speakers
- Rear side of the speaker is not blocked by wall studs or other objects

## Cutting the Ceiling Tile

To cut the ceiling tile, do the following:

1. Remove the circle/rectangle in the supplied cardboard template<sup>1</sup>.
2. Mark the opening in the correct location by tracing it on the wall.
3. Cut out the opening according to the template or with a circular cutter set to the appropriate cutout size<sup>2</sup>.
4. Route the wiring from the amplifier to the speakers' cutout holes, taking care not to place them next to electrical wires or at least at a distance of about two feet from an AC line<sup>3</sup>.

For reinforcing the ceiling speakers, you can use the Kramer SKIC mounting kit<sup>4</sup>

<sup>1</sup> Keep this piece of cardboard for later use as a mask, as you may want to paint the speakers

<sup>2</sup> Initially, you can cut a smaller area inside the marked hole just to be sure that the space above the speakers is clear

<sup>3</sup> Do not nail or staple the speakers' wires

<sup>4</sup> See the separate user manual on our Web site at <http://www.kramerelectronics.com>

## Installing the Open Back Speakers

To install the speakers, do the following:

1. Remove the grille over the speakers by inserting a paper clip into one of the grille openings and pulling it upward.
2. Position the mounting tabs (see Figure 1) inward.

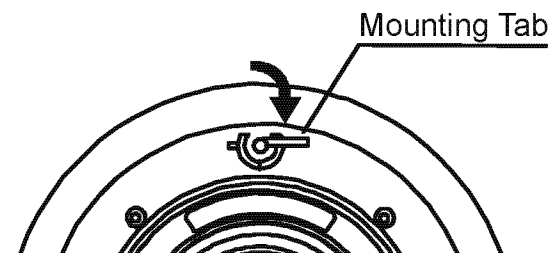


Figure 1 Position the Mounting Tabs

3. Insert the supplied screws into the screw openings from the front of the speakers.
4. Connect the speaker wires (we recommend that you use our Kramer **BC-2S** cables) to the speaker terminals.
5. Insert the speaker into the opening and tighten the screws. When tightening the screws, the tabs automatically turn outward, thus clamping the speaker to the wall from its rear side.  
**Note:** Do not over-tighten the screws. This may cause damage to both the speakers and the surface.
6. Push the grille firmly into the slot in the speaker baffle.

## Specifications

	SPK-IO608	SPK-CO608
SYSTEM DESCRIPTION:	2-way component speaker	2-way co-axial speaker
HIGH FREQUENCY DRIVER:	1" Ferrofluid cooled	
LOW FREQUENCY DRIVER:	6.5" Polypropylene cone woofer	
IMPEDANCE:	8Ω	
SENSITIVITY (1 Watt, 1 Meter):	89dB	
FREQUENCY RESPONSE:	30Hz to 20kHz	
POWER RATING:	80W nominal, 120W Max	
RECOMMENDED AMPLIFIER POWER:	80 Watts	
WEIGHT PER SINGLE SPEAKER:	1.6kg (3.5lbs) approx.	1.4kg (3.1lbs) approx.
SHIPPING WEIGHT (FOR PAIR):	3.8kg (8.4lbs) approx.	3.3kg (7.3lbs) approx.
DIMENSIONS:	30.5cm x 21.6cm (12" x 8.5")	21.6cm x 8cm (8.5" x 3.15")
CUT OUT SIZE:	27.3cm x 18.54cm (10.75" x 7.3")	19.68cm (7.75")
OPTIONS:	Kramer <b>SKIC</b> mounting kit	

## WARRANTY

### LIMITED WARRANTY

Kramer Electronics (hereafter *Kramer*) warrants this product free from defects in material and workmanship under the following terms.

### HOW LONG IS THE WARRANTY

Labor and parts are warranted for one year from the date of the first customer purchase.

### WHO IS PROTECTED?

Only the first purchase customer may enforce this warranty.

### WHAT IS COVERED AND WHAT IS NOT COVERED

Except as below, this warranty covers all defects in material or workmanship in this product. The following are not covered by the warranty:

1. Any product which is not distributed by Kramer, or which is not purchased from an authorized Kramer dealer. If you are uncertain as to whether a dealer is authorized, please contact Kramer at one of the agents listed in the Web site [www.kramerelectronics.com](http://www.kramerelectronics.com).
2. Any product, on which the serial number has been defaced, modified or removed.
3. Damage, deterioration or malfunction resulting from:
  - i) Accident, misuse, abuse, neglect, fire, water, lightning or other acts of nature
  - ii) Product modification, or failure to follow instructions supplied with the product
  - iii) Repair or attempted repair by anyone not authorized by Kramer
  - iv) Any shipment of the product (claims must be presented to the carrier)
  - v) Removal or installation of the product
  - vi) Any other cause, which does not relate to a product defect
  - vii) Cartons, equipment enclosures, cables or accessories used in conjunction with the product

### WHAT WE WILL PAY FOR AND WHAT WE WILL NOT PAY FOR

We will pay labor and material expenses for covered items. We will not pay for the following:

1. Removal or installations charges.
2. Costs of initial technical adjustments (set-up), including adjustment of user controls or programming. These costs are the responsibility of the Kramer dealer from whom the product was purchased.
3. Shipping charges.

### HOW YOU CAN GET WARRANTY SERVICE

1. To obtain service on you product, you must take or ship it prepaid to any authorized Kramer service center.
2. Whenever warranty service is required, the original dated invoice (or a copy) must be presented as proof of warranty coverage, and should be included in any shipment of the product. Please also include in any mailing a contact name, company, address, and a description of the problem(s).
3. For the name of the nearest Kramer authorized service center, consult your authorized dealer.

### LIMITATION OF IMPLIED WARRANTIES

All implied warranties, including warranties of merchantability and fitness for a particular purpose, are limited in duration to the length of this warranty.

### EXCLUSION OF DAMAGES

The liability of Kramer for any effective products is limited to the repair or replacement of the product at our option. Kramer shall not be liable for:

1. Damage to other property caused by defects in this product, damages based upon inconvenience, loss of use of the product, loss of time, commercial loss; or:
2. Any other damages, whether incidental, consequential or otherwise. Some countries may not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights, which vary from place to place.

**NOTE:** All products returned to Kramer for service must have prior approval. This may be obtained from your dealer.

This equipment has been tested to determine compliance with the requirements of:

- EN-50081: "Electromagnetic compatibility (EMC); generic emission standard.  
Part 1: Residential, commercial and light industry"
- EN-50082: "Electromagnetic compatibility (EMC) generic immunity standard.  
Part 1: Residential, commercial and light industry environment".
- CFR-47: FCC Rules and Regulations:  
Part 15: "Radio frequency devices  
Subpart B Unintentional radiators"

### CAUTION!

- ⊗ Servicing the machines can only be done by an authorized Kramer technician. Any user who makes changes or modifications to the unit without the expressed approval of the manufacturer will void user authority to operate the equipment.
- ⊗ Use the supplied DC power supply to feed power to the machine.
- ⊗ Please use recommended interconnection cables to connect the machine to other components.

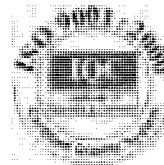


## SPK-IO608 In-Wall Speakers SPK-CO608 Open Ceiling Speakers

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For the latest information on our products and a list of Kramer distributors, visit our  
Web site: [www.kramerelectronics.com](http://www.kramerelectronics.com)

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**Kramer Electronics, Ltd.**  
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P/N: 2900-000469 REV 1