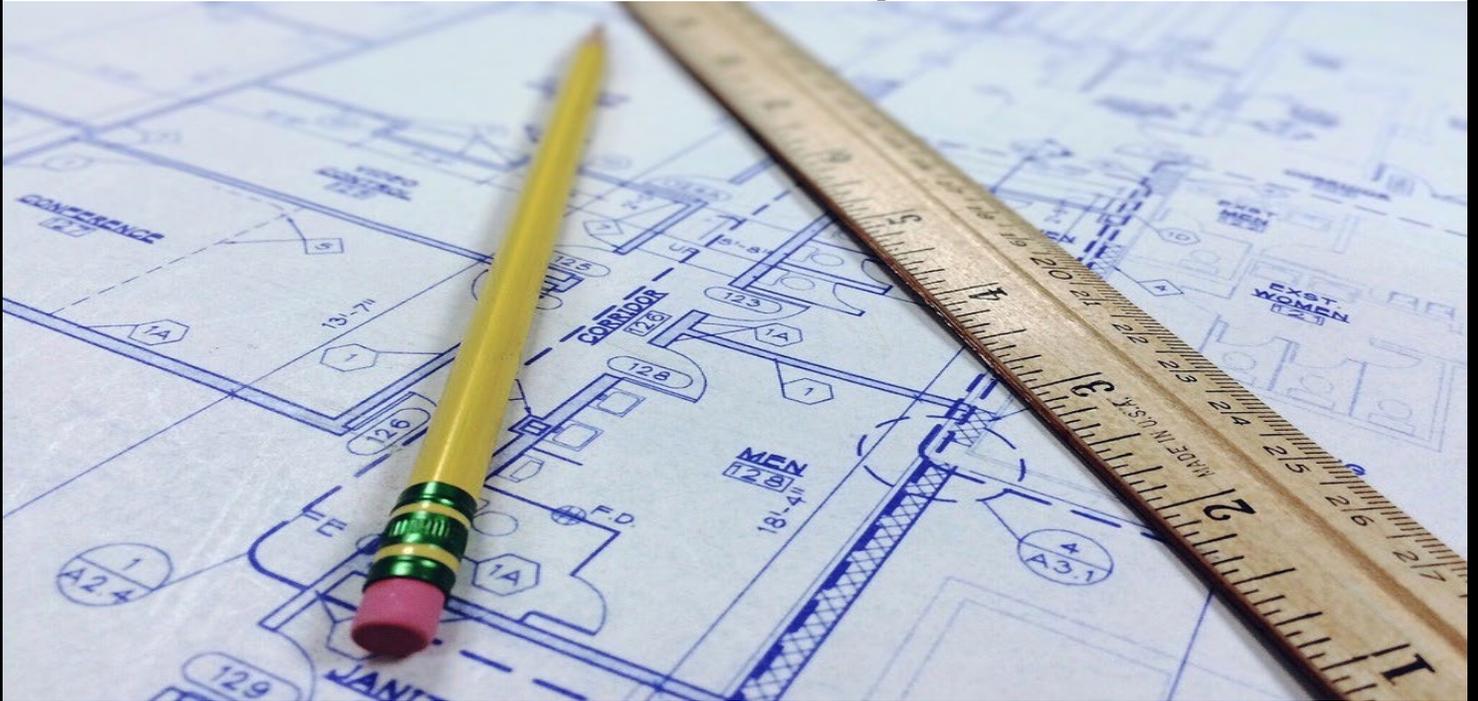


# TOTEM



*Discover yours*



## **KIN Slim IC Architectural Series Manual**

## Kin Slim IC Architectural Manual

Thank you for choosing the Totem Acoustic Kin Slim IC Architectural series.

Please take the time to fully read this manual prior to beginning set-up. The manual will clearly guide you to achieve the best possible sound that these newly acquired Totem speakers can provide.

Beyond sonic performance, Totem has given tremendous consideration to the home integrator. New construction or retro-fit, the Kin Slim IC Architectural speakers are easy to install and have a supporting cast of ingenious accessories to address any situation and application.

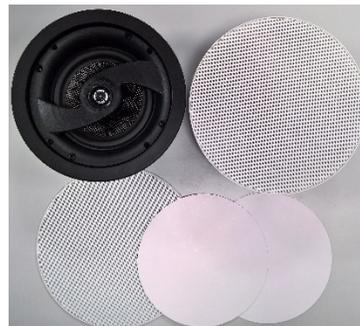
For further assistance, contact our tech support at [info@totemacoustic.com](mailto:info@totemacoustic.com).

**UNPACKING:** Totem Acoustic keeps to a strict quality control regimen and all factory-sealed products leave our facility in perfect condition. If there are any damages visible or concealed that has occurred in handling it must be reported immediately to your Totem Authorized Dealer.

Carefully remove the speaker(s) from the box(es). Save all custom cartons and packaging foam for future use. They are rather expensive and may come in handy for future upgrades.

### **Contents:**

Each individual box contains:  
2 Kin Slim IC Architectural speakers,  
2 stainless steel, magnetic grilles,  
2 cutout templates.



### **Tools and items required:**

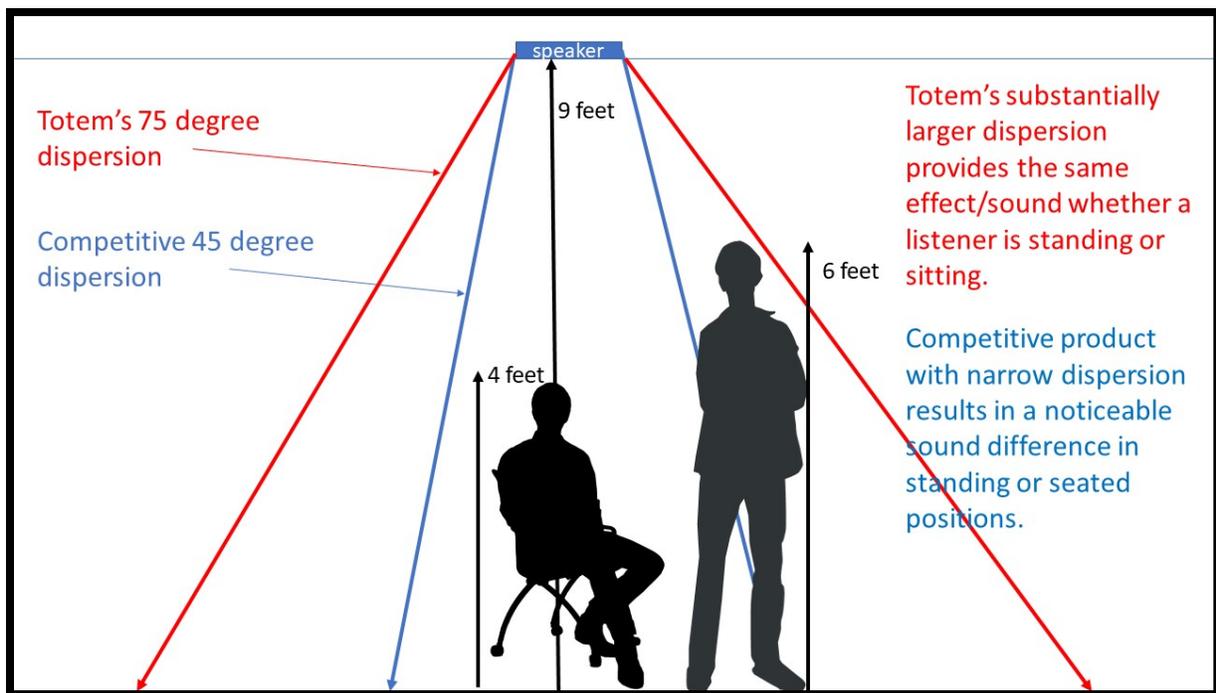
Drywall saw  
Speaker wire  
Wire stripper  
Pencil  
Drill  
Stud Finder  
Measuring Tape  
Metal hanger or 1 foot/30cm of solid core wire  
Fish tool  
Spray paint-optional



## General Speaker Placement Guidelines

Totem KIN Slim IC series diffuse sound in an enormously wide, expansive manner comparable to a flood light and illuminate a room with Totem's holographic sound whereas most others function like a focused, narrow spotlight, creating small acoustic "hot spots".

Kin Slim IC custom speakers disperse at 75 degrees, almost twice as broadly as competitive speakers. The soundstage and acoustic coverage is totally present throughout the entire listening area, so it takes fewer Totem speakers to thoroughly fill a room than competitive brands. In-walls create a soundstage with remarkable height and width, often beyond the boundaries of the room itself. The enormous dispersion of the in-ceiling allows the listener to enjoy the same sound whether a seated or standing, simplifying placement.



The following chart for in-ceiling speaker spacing was calculated using the following formula:  
 $\text{ANGLE (dispersion)} \times .018 \times \text{DISTANCE (ceiling height)} = \text{SOUND COVERAGE radius}$

Ceiling Height	Distance Apart	
	Feet	Meters
8ft Ceiling	10.8	3.29
9ft Ceiling	12.15	3.7
10ft Ceiling	13.5	4.11
12ft Ceiling	16.2	4.93
14ft ceiling	18.9	5.76
15ft Ceiling	20.25	6.17

### Recommended Speaker wire

Length of Run	Suggested Wire Gauge
Up to 75 feet / 22.86 meters	16 gauge
75-200 feet / 22.86 to 60.96 meters	14 gauge
Over 200 feet / over 60.96 meters	12 gauge

### Precautions before Installation

Check for obstructions. Use an electronic stud finder to check for ceiling joists, heating and ventilating shafts, or wall studs that may hinder cutting the required opening or the running of the cable to your desired location.

In order to ensure proper hole size, attach the cutout template and drill a hole in the center of the outline. Cut approximately 1' (30cm) of coat hanger wire and bend it to a right angle in the middle. Insert in the hole and rotate to check for wires, pipes, studs or other obstructions.

### General Placement Guidelines

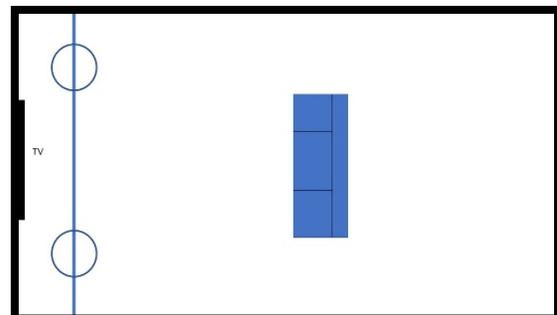
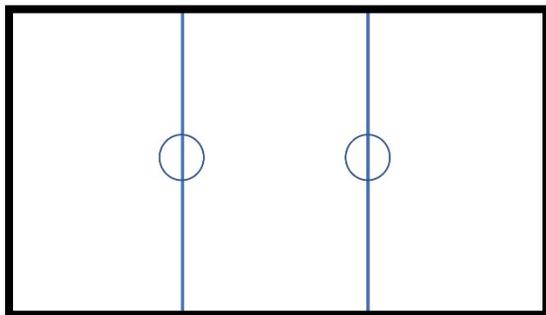
Always bear in mind that corner locations cause acoustic directionality, limit dispersion and emphasize low frequencies.

### In Wall Placement

When using in-wall speakers, optimal sound will be achieved when they are mounted at or slightly above ear level. The listening distance should be no closer than the distance between the speakers themselves.

### Stereo Audio Applications:

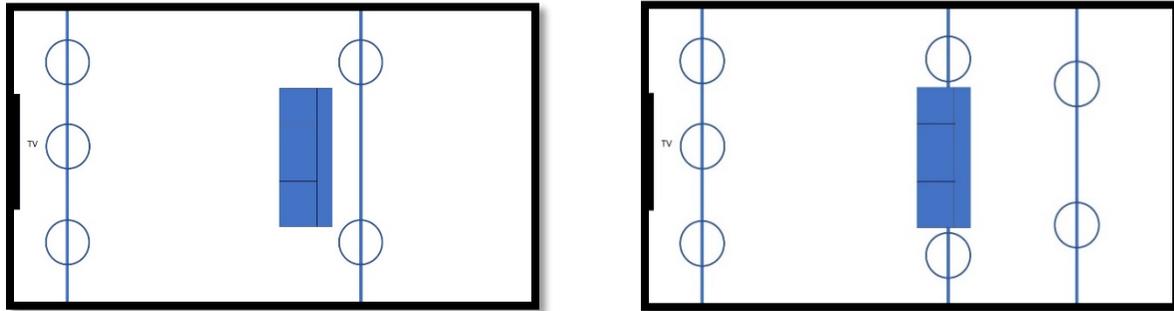
When a pair of Kin Slim IC Architectural Series speakers are used for conventional stereo reproduction, they should be positioned at each third of the room's longest dimension. If they are being used in conjunction with a TV, they should be placed in front and adjacent to the TV.



If using in-wall speakers, the spacing in the second image is accurate, but the speakers would be installed on the wall.

## Multi-channel Audio Applications

In a 5.1 set up, the Left, Center, and Right should be along the same plane with the Left and Right Surround in back and adjacent to the sitting area.



In a 7.1 set up, the Left, Center, and Right should be along the same plane with the Left and Right Surround parallel to the listening area, and the Surround channels in back and adjacent to the sitting area.

If using in-wall speakers, the spacing is accurate, but the speakers would be installed in the wall. In the case of the 7.1 system, the rear speakers can also be installed into the rear wall.

True to both Totem and Kin heritage, all models possess our characteristic phase linearity for uncanny realism, a full range response for truly dynamic performance, and remarkably huge dispersion that facilitates placement and fills the room. They can also intermix harmoniously with any existing traditional, on-wall, or architectural Totem speaker for a variety of multi-channel options. For example, if you are using Tribe On-Wall speakers for your front three channels you can seamlessly blend Kin Architectural for your rear speakers.

### Positioning the Angled In-Ceiling Speaker

In most cases, the drivers should be directed towards the listening area for the most direct signal and best overall performance.

The deepest part of the baffle should be aimed at the listener.



## Installing your Speakers

Once you have selected the location and determined that there is nothing hindering the initial cutout you are ready to start installing the speakers.

1-Use the provided template to trace a circle or rectangle in pencil for the intended location.

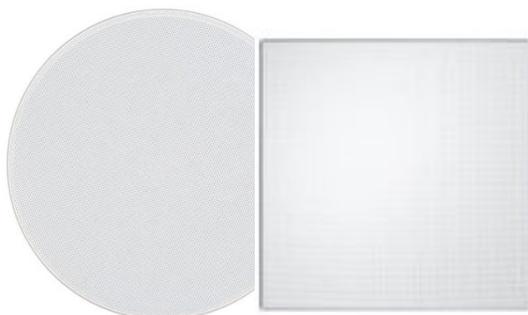
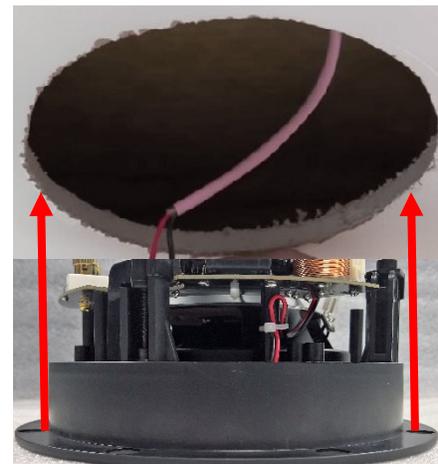
2-Carefully cut out the speaker cavity with a drywall saw or similar tool. Remove the cutaway and lightly compress the insulation, if any.



3-Fish the speaker cable from the amplifier and out through the recently cut speaker cavity. Allow yourself roughly 1' (30cm) of slack to protrude to facilitate the installation. Strip about 3/8" (1cm) off the ends of the speaker wires and connect to the speaker terminals.

Note: Make sure to connect the "+" terminal on your amplifier to the "+" terminal on your speakers, and the "-" terminal on your amplifier to the "-" terminal on your speakers. Speaker cables and terminals are often color-coded as well, red for "+", black for "-", or indicate a "+" or "-" directly on the wire to help you make the correct connection.

4-Ensure the "Dog Ears" are in their original position, flush set within the frame, and insert the speaker in the wall or ceiling. Gradually tighten the Philips screws on the speaker frame to fix the speaker in place. They can handle strong torque settings but ideally lower torque setting should be used to prevent accidents and ensure a proper installation. Textured terminals provide extra grip on any material, guaranteeing a solid, tight installation.



5- Place grille on speakers to complete the installation. A round grille is included, optional square grille kits are available.

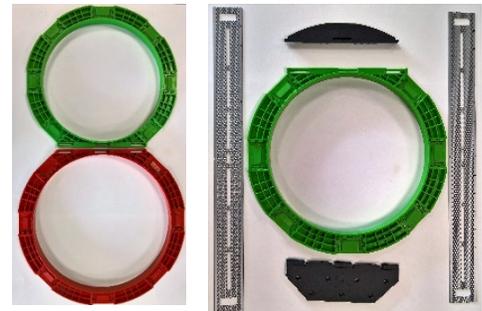
## Painting the Grilles

The stainless steel grilles can be painted to suit personal tastes and match aspects of the décor. The grill incorporates a scrim-cloth to hide the drivers when installed. This scrim-cloth is adhered to the grill with a light adhesive and must be removed before painting but maintains its adhesion qualities and will reattach once painted. To remove it, gently peel from the small tab inconspicuously located along the trim. Ideally the process would be done with spray paint or a spray gun set to a low setting which lessens the chance of plugging the holes. After the paint is dry, re-apply the scrim-cloth.



## Optional Accessories

**For In-Ceilings: 2 Color coded Pre-Construction Kits (PCK6C, PCK8C)** helpfully indicate proper speaker size to ensure installation efficiency and prevent time consuming, costly mistakes. 8" frames are red, 6" frames are green. Each rigid frame is equipped with a joist bracket that allows all speakers to be installed in a perfect line simply and flawlessly, and multiple points to connect the wings guarantees that contact with drywall is always within access.

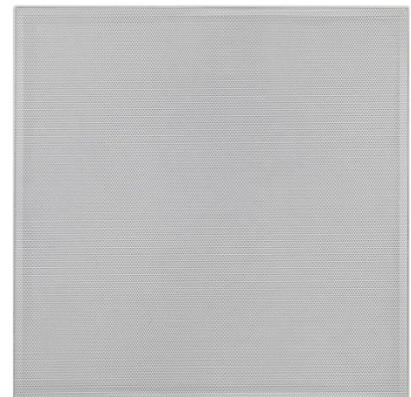


**For In-Walls: The PCK W6 and PCK W8 Construction Brackets** fit the KIN Slim IW6 and IW8, respectively. The rugged frame and perforated metal wings ensure a solid and simple installation. They are packaged in pairs.



Round magnetic grilles are included but optional **Square Grille Kits (SGK6, SGK8)** permit cosmetic finishing touches to suit personal design tastes and match lighting and HVAC frames.

NOTE: The SGK kits include a frame that only fits the KIN IC series. Only install the square grille itself for the KIN Slim IC series and discard the frame.



## Specifications

<b>Model</b>	<b>KIN IC6 Slim</b>	<b>KIN IC8 Slim</b>	<b>KIN IW6 Slim</b>	<b>KIN IW8 Slim</b>	<b>KIN AIC6 Slim</b>
<b>Design</b>	Slim 6" In-Ceiling	Slim 8" In-Ceiling	Slim 6" In-Wall	Slim 8" In-Wall	Slim 6" Angled In-Ceiling
<b>Frequency Response:</b>	55Hz-25kHz	50Hz-25kHz	55Hz-25kHz	48Hz-25kHz	60Hz-25kHz
<b>Recommended Power:</b>	10-100 W	10-125 W	10-100 W	10-125 W	10-100W
<b>Woofers:</b>	6" Carbon Fiber	8" Carbon Fiber	6" Carbon Fiber	8" Carbon Fiber	6" Carbon Fiber
<b>Tweeter:</b>	.75" Ceramic dome	1" Ceramic dome	.75" Ceramic dome	1" Ceramic dome	.75" Ceramic dome
<b>Impedance:</b>	8 ohm	8 ohm	8 ohm	8 ohm	8 ohm
<b>Sensitivity dB</b>	90 dB	91dB	90 dB	91dB	90dB
<b>Dimensions with grille (w x h x d):</b>	239 x 101mm / 9.37 x 3.97"	281 x 122mm / 11.06 x 4.80"	229 x 315 x 89mm / 8.97 x 12.4 x 3.5"	264 x 364 x 102mm / 10.39 x 14.33 x 4.01"	239 x 121mm / 9.37 x 4.76"
<b>Dimensions without grille (w x h x d):</b>	230 x 100mm / 8.99 x 3.89"	273 x 121mm / 10.74 x 4.76"	220 x 305 x 88mm / 8.66 x 12 x 3.46"	255 x 355 x 101mm / 10.03 x 13.97 x 3.97"	230 x 120mm / 8.99 x 4.72"
<b>Mounting depth</b>	96mm / 3.77"	115mm / 4.52"	80mm / 3.14"	96mm / 3.77"	115mm / 4.52"
<b>Cutout (w x h x d) or Diameter x D</b>	200mm / 7.87"	242mm / 9.52"	190 x 277mm / 7.48 x 10.71"	225 x 328mm / 8.85 x 12.75"	206mm / 8.11"
<b>Weight kg / lbs</b>	1.36kg / 3lb	2.1kg / 4.6lb	1.34kg / 2.35lb	2.08kg / 4.6lb	1.4kg / 3.1lb
<b>Grille type</b>	Magnetic, Micro-perforation	Magnetic, Micro-perforation	Magnetic, Micro-perforation	Magnetic, Micro-perforation	Magnetic, Micro-perforation
<b>Speaker Terminals:</b>	Spring loaded, Gold Plated	Spring loaded, Gold Plated	Spring loaded, Gold Plated	Spring loaded, Gold Plated	Spring loaded, Gold Plated

## TOTEM LIMITED WARRANTY

Please register online at [www.totemacoustic.com](http://www.totemacoustic.com) within two weeks of the purchase date.

### **The Totem speakers must be purchased from a TOTEM AUTHORIZED DEALER.**

Keep your original bill or receipt obtained from your Totem Authorized Dealer. Retain the sturdy carton and all packing material; if needed, it will prove invaluable for damage-free transport or storage and upgrade purposes.

All Totem products are created with the utmost care and quality in mind. If ever a problem should arise, Totem KIN IC Slim speakers are covered by a five (5) year limited warranty, starting from the date of purchase. The Totem limited warranty applies to products in normal home use only. The warranty is void if serial numbers have been altered or removed. The warranty is void if products show signs of abuse. The warranty is void if the speakers have been tampered with.

### **Warning / Important technical note**

Please read before operating speakers. The warranty on speakers is void if the voice coils are burned or damaged as a result of overpowering or clipping.

**Overpowering:** The volume control of most amplifiers and receivers is a logarithmic type, which means that full rated power may be reached with the volume control at as little as the halfway point. In addition, operating the loudness feature or boosting the treble or bass controls increases power output well beyond rated levels. As a result of the above factors, a 30-watt amplifier can produce distorted output levels of over 100 watt and may damage your loudspeakers.

**Clipping:** Clipping refers to the power level at which an amplifier begins to distort a waveform by flattening its top and bottom into a square wave-shape. When fed to tweeters and/or midrange speakers, this may result in exceeding their maximum power handling capacity, causing damage to the speaker voice coil. Clipping can be identified by fuzz or distorted sound. If this is heard, lower the volume immediately to avoid damage to your system. Continuous clipping will damage or burn out the speakers.

The speakers require at least 75-100 hours of actual music playing time as a minimal break-in period. During this time, refrain from playing them at very loud levels. You will notice a definite gradual improvement in the cohesiveness of the music reproduction as this occurs.

We reserve the right to any future change or modification without notice.

For further assistance, contact your TOTEM AUTHORIZED DEALER or visit the Totem website at [www.totemacoustic.com](http://www.totemacoustic.com)