



# TOTEM MASK

HIGH PERFORMANCE HOLOGRAPHIC ARCHITECTURAL LOUDSPEAKER

**MASK 6.5 & 8**  
OWNERS MANUAL / INSTALLATION

**Congratulations on your purchase of Totem Mask Speakers.**

## **MASK 6.5 & 8 / SPEAKER PLACEMENT**

**Before installing your speakers you should consider the placement carefully, taking into effect the location of electrical, plumbing and other fixtures. Contact your dealer for assistance if you are not sure of the best location in your particular room environment.**

### **PLACEMENT IN CEILING**

When placing your speakers in the ceiling, they should ideally be located above the primary listening area. In a room with low ceilings, it may be necessary to place additional speakers throughout the room to get the desired spaciousness. Contact your *Totem Acoustic Authorized Dealer* for assistance.

### **PLACEMENT IN WALL**

When placing your speakers in the wall, optimal sound will be achieved when your speakers are mounted at ear level or slightly higher on the wall and the usual listening area is no closer to the wall than the distance between the speakers themselves.

### **MOUNTING SURFACE PREPARATIONS / FINISHED CEILINGS AND WALLS**

Prior to the actual installation of the speakers, it will be necessary to run cables to the speaker locations. See your dealer for more information on cable installation. After the cable has been properly installed, you are ready to mount the speakers. Following the simple steps listed below will result in a professional looking installation.

- 1. Determine the best area to mount your speakers.** This area of the ceiling or wall should be free of obstructions such as electrical conduit, HVAC ducts, or water lines. This can best be determined by noting the placement of fixtures and gaining access to an attic or crawl space for further analysis of the location of such obstacles.
- 2. Find the studs/ joists nearest the desired speaker mounting location.** We highly recommend using a good stud-finder tool for this procedure. If you are lining up the speakers to some other object or molding in the room, make sure you consider the size of the baffles flange, which extends beyond the mounting hole.
- 3. Mark the hole.** A punch out template for setting the hole is provided in the box. Position the template in the desired position and pencil an outline on the wall or ceiling.
- 4. Cutting the hole.** Caution: This is the most important part of the entire installation. If you are not certain that no obstructions exists behind the desired mounting area, you should start by cutting a small hole in the center of your penciled mounting hole with a drywall saw, cutting at a 45 degree angle towards the inside of the hole. Cutting the small hole at this angle will make drywall repair much easier, using the piece cut out. Once you have determined there are not obstructions in your desired mounting location, start cutting the finished hole at a 90-degree angle to the wall surface.
- 5. Add insulation.** If the area in the ceiling or wall is not already insulated, add an adequate amount of insulation material to fill the cavity. If the insulation material used is faced with foil or paper, position the foil or paper away from the speaker.

## **WARNING / IMPORTANT TECHNICAL NOTE**

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**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.

## MASK 6.5 & 8 / SPEAKER INSTALLATION

The integral mounting-feet system incorporated into your Mask speaker allows for a quick installation by following these easy steps.

**1.** Remove the grille by pushing the mounting foot that is attached to the screw down toward the grille to pop the grille out of the baffle.

**2.** Attach the speaker cable (observing the proper polarity with you amplifier; + to +, - to -). Make sure the left channel of the amplifier is connected to the left speaker channel and the right amplifier channel to the right speaker channel.

**3.** Make sure the mounting feet are turned inward to clear the opening and insert the speaker into the ceiling or wall. Position the speaker into the hole.

**Note:** The flange of the speaker is designed to flex and conform to any small imperfections in the wall surface. Tighten the 6 screws on the front of the baffle only enough to make the flange become snug against the ceiling or wall. As you tighten the screws, the feet will automatically flip into an outward position thereby clamping the drywall between the feet and the flange.

**Caution:** Over tightening may warp the baffle, crack the wall, cause the flange to distort, and make the grill difficult to install.

**4.** Push the grille firmly into the slot in the speaker baffle.

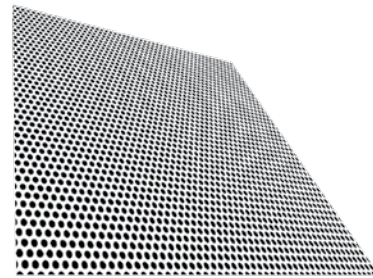


## PAINTING INSTALLATION

If you plan to paint your speakers, we recommend that it be done prior to installation. If you plan to paint your speakers sometime in the future, it is best to remove them by simply reversing the steps for Speaker Installation listed above. If it is absolutely necessary to paint the speakers while they are still in the wall, the paint masks provided in the carton must be installed in place of the grille while the flange is being painted in the wall. The grilles can also be painted. However, great care should be taken not to clog the holes, as this will greatly reduce the sound quality of the speakers. Totem Acoustic recommends only light spray-painting using 5 parts thinning agent to 1 part paint. Do not paint the grilles while they are attached to the speaker. If it is necessary to paint the under-grille material, follow the same procedure used to paint the grilles.

Totem Acoustic offers a variety of accessories to make your installation of these speakers and other acoustic totem products easy, economical and professional. For more information, contact your authorized totem acoustic dealer or visit [www.totemacoustic.com](http://www.totemacoustic.com).

In our attempt to constantly improve, our products features and specifications are subject to change without notice.



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## MASK 6.5 & 8 / SPEAKER SPECIFICATIONS

### Mask In-Wall

DESIGN:  
TWEETER TYPE:  
WOOFER TYPE:  
FREQUENCY RESPONSE:  
IMPEDANCE (MIN.):  
POWER HANDLING:  
EFFICIENCY:  
GRILLE:  
DIMENSIONS (w x h x d):  
WALL CUTOUT DIMENSIONS (w x h):

### 6.5 Speaker

In-Wall infinite Baffle Loudspeaker  
0.75" / 19 mm pivoting soft dome with neodymium magnet and Ferrofluid™ cooled voice coil  
6.5" / 165 mm black polypropylene cone woofer with a rubber surround  
50 Hz - 20 kHz ± 3 dB  
6 ohms nominal, 4 ohms minimum  
10 - 100 W  
90 dB  
White metal (paintable to match decor)  
8.9 x 12 x 3" / 220 x 305 x 75 mm  
7.3l x 10.7" / 185 x 272 mm

### 8 Speaker

In-Wall infinite Baffle Loudspeaker  
1" / 25 mm pivoting soft dome with neodymium magnet and Ferrofluid™ cooled voice coil  
8" / 200 mm black polypropylene cone woofer with a rubber surround  
40 Hz - 20 kHz ± 3 dB  
6 ohms nominal, 4 ohms minimum  
10 - 125 W  
91 dB  
White metal (paintable to match decor)  
10.1 x 14.1 x 3.4" / 257 x 358 x 86 mm  
8.75 x 12.75" / 222 x 324 mm

### Mask In-Ceiling

DESIGN:  
TWEETER TYPE:  
WOOFER TYPE:  
FREQUENCY RESPONSE:  
IMPEDANCE (MIN.):  
POWER HANDLING:  
EFFICIENCY:  
GRILLE:  
DIMENSIONS (Dia x D):  
CEILING CUT-OUT DIMENSIONS (Dia):

### 6.5 Speaker

In-Wall infinite Baffle Loudspeaker  
0.75" / 19 mm coaxial pivoting soft dome tweeter  
6.5" / 165 mm black polypropylene cone woofer with a rubber surround  
50 Hz - 20 kHz ± 3 dB  
6 ohms nominal, 4 ohms minimum  
10 - 100 W  
90 dB  
White metal (paintable to match decor)  
ø 9 x 2.9" / 228 x 68 mm  
ø 7.6" / 193 mm

### 8 Speaker

In-Wall infinite Baffle Loudspeaker  
1" / 25 mm coaxial neodymium cloth dome tweeter  
8" / 200 mm black polypropylene cone woofer with a rubber surround  
40 Hz - 20 kHz ± 3 dB  
6 ohms nominal, 4 ohms minimum  
10 - 125 W  
91 dB  
White metal (paintable to match decor)  
ø 10.8 x 3.4" / 274 x 86 mm  
ø 9.5" / 241 mm

For more information, contact your authorized totem acoustic dealer or visit [www.totemacoustic.com](http://www.totemacoustic.com).

## LIMITED FIVE-YEAR WARRANTY

**Totem Acoustic Inc.** warrants to the original retail purchaser only that this Totem Acoustic product will be free from defects in materials and workmanship, provided the speaker was purchased from a *Totem Acoustic Authorized Dealer*. Defective products must be shipped, together with proof of purchase, prepaid insured to the *Totem Acoustic Authorized Dealer* from whom they were purchased, or to the Totem Acoustic factory at the address listed on this installation manual. Freight collect shipments will be refused. It is preferable to ship this product in the original shipping container to lessen the chance of transit damage. In any case, the risk or loss or damage in transit is to be borne by the purchaser.

If upon examination at the Factory or *Totem Acoustic Authorized Dealer* it is determined that the unit was defective in materials or workmanship at any time during this warranty period, Totem Acoustic or the *Totem Acoustic Authorized Dealer* will, at its option, repair or replace this product at no additional charge, except as set forth below. If this model is no longer available and can not be repaired effectively, Totem Acoustic, at its sole option may replace the unit with a current model of equal or greater value. In some cases where a new model is substituted, a modification to the mounting surface may be required. If mounting surface modification is required, Totem Acoustic assumes no responsibility or liability for such modification. All replaced parts and product become the property of Totem Acoustic Inc.

Products replaced or repaired under this warranty will be returned to the original retail purchaser within a reasonable time, freight prepaid. This warranty does not include service or parts to repair damage caused by accident, disaster, misuse, abuse, negligence, inadequate packing or shipping procedures, commercial use, voltage inputs in excess of the rated maximum of the unit, or service, repair or modification of the product which has not been authorized or approved by Totem Acoustic. This warranty also excludes normal cosmetic deterioration caused by environmental conditions.

This warranty will be void if the Serial number on the product has been removed, tampered with or defaced. This warranty is in lieu of all other expressed warranties. If the product is defective in materials or workmanship as warranted above, the purchaser's sole remedy shall be repair or replacement as provided above. In no event will Totem Acoustic be liable for any incidental or consequential damages arising out of the use or inability to use the product, even if Totem Acoustic or a *Totem Acoustic Authorized Dealer* has been advised of the possibility of such damages, or for any claim by any other party. Some states do not allow the exclusion or limitation of consequential damages, so the above limitation and exclusion may not apply. All implied warranties on the product are limited to the duration of this expressed warranty. Some states do not allow limitation on the length of an implied Warranty. If the original retail purchaser resides in such a state, this limitation does not apply.

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