



TOTEM MASK

HIGH PERFORMANCE HOLOGRAPHIC ARCHITECTURAL LOUDSPEAKER SERIES

MASK 4, 6.5 & 8
OWNERS MANUAL / INSTALLATION

Discover yours.



CONGRATULATIONS

We sincerely thank you for having granted Totem the special place in your living environment. These speakers are designed to redefine your musical understanding and open up corridors of new experiences. We hope you not only enjoy but experience Totem as your guide to a new and rewarding listening environment! You will without a doubt experience a Totem moment.

OUR VISION

Totem Acoustics' mission is to develop loudspeakers capable of reproducing a truly musical and involving performance. Our goal is to provide designs that are both affordable and real 'soul movers' for the music lover and surround lover. Music of any period, country or style is accurately and emotionally rendered with a powerful focus that is yet soul stirring.

Each speaker is a 'piece de resistance' that attests to the profound sound staging that can be reproduced by flexible and innovative engineering. Listen and believe...

TOTEM LIMITED WARRANTY

Please register online at 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.

All Totem products are created with the utmost care and quality in mind. If ever a problem should arise, Totem's speaker are covered by a **five (5) year limited warranty**, (excluding subwoofers) 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.

The **speakers require at least 85-90 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.

Retain the sturdy carton and all packing material; if needed, it will prove invaluable for damage-free transport or storage and upgrade purposes.

We reserve the right to any future change or modification without notice. If you have any further queries or require any classifications, feel free to contact your Totem Authorized Dealer.



For further assistance contact your **TOTEM AUTHORIZED DEALER** or visit the Support Section of the Totem website at **www.totemacoustic.com**.

USER MANUAL

MASK IN-WALL / MASK IN-CEILING / MASK STEREO High performance holographic architectural speakers

MASK IN-WALL 6.5 AND 8
MASK IN-CEILING 4, 6.5 AND 8
MASK STEREO 6.5

Thank you for choosing the Totem Acoustic MASK 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 are capable of providing. If you have further questions, contact your Totem Authorized Dealer.

Beyond sonic performance, Totem has placed tremendous consideration to the home integrator. New construction or retro-fit, the MASK Architectural speakers incorporate one of the shallowest closed box designs. Accompanied by a “completely flat” paintable grill, the mounting system allows for remarkable flexibility.

For further assistance, contact our tech support at 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 they have occurred in handling and must be reported immediately to your Totem Authorized Dealer.

Carefully remove the speaker(s) from the box(es); take caution as the size often deceives the actual weight. Save all custom cartons and packaging foam for future use. They are rather expensive and may come in handy for future upgrades.

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.

PRODUCT FEATURES / SPECIFICATIONS

- In-wall infinite Baffle loudspeaker
- Totem's unique holographic voicing
- Integral mounting-feet system
- Proprietary crossover design
- Solid twin-pair gold-plated terminals
- Black polypropylene cone woofer with a rubber surround
- Totem's superior on-and off-axis performance
- Pivoting soft dome with neodymium magnet and Ferrofluid™ cooled voice coil

MASK IN-WALL 6.5

Overall Exterior Dimensions

Width 236 mm / 9.3"
 Height 321 mm / 12.6"
 Depth 82 mm / 3.2"

Cut-out Dimensions

Width 189 mm / 7.4"
 Height 276 mm / 10.9"

Frequency Response

50 Hz - 20 kHz ± 3 dB

MASK IN-WALL 8

Overall Exterior Dimensions

Width 271 mm / 10.7"
 Height 371 mm / 14.6"
 Depth 93 mm / 3.7"

Cut-out Dimensions

Width 224 mm / 8.8"
 Height 326 mm / 12.8"

Frequency Response

40 Hz - 20 kHz ± 3dB

MASK STEREO 6.5

Overall Exterior Dimensions

Dia 246 mm / 9.7"
 Height 100 mm / 3.9"

Cut-out Dimensions

Dia 207 mm / 8.2"

Frequency Response

50 Hz - 20 kHz ± 3 dB

MASK IN-CEILING 4

Overall Exterior Dimensions

Dia 165 mm / 6.5"
 Height 79 mm / 3.5"

Cut-out Dimensions

Dia 137 mm / 5.4"

Frequency Response

65 Hz - 20 kHz ± 3 dB

MASK IN-CEILING 6.5

Overall Exterior Dimensions

Dia 246 mm / 9.7"
 Height 100 mm / 3.9"

Cut-out Dimensions

Dia 207 mm / 8.2"

Frequency Response

50 Hz - 20 kHz ± 3dB

MASK IN-CEILING 8

Overall Exterior Dimensions

Dia 290 mm / 11.4"
 Height 117 mm / 4.6"

Cut-out Dimensions

Dia 240 mm / 9.4"

Frequency Response

40 Hz - 20 kHz ± 3 dB

SPEAKER POSITIONING

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 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 above and the listening distance is no closer 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 uncertain about obstructions in the mounting area, you should start by cutting a small hole within the penciled area with a drywall saw. Cutting at a 45 degree angle will make drywall repair much easier should you need to patch the hole due to obstructions. Once you have determined there are no 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.

INSTALLATION INSTRUCTIONS

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

1. Remove the grill and set aside in a clean dust-free environment.
2. Attach the speaker cable (observing the proper polarity with your amplifier; + to +, - to -). Make sure the left channel of the amplifier channel 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. Secure the grill into place.

Note: The speaker flange incorporates high strength magnets to secure the grill into place. Simply line the grill with the speaker flange.

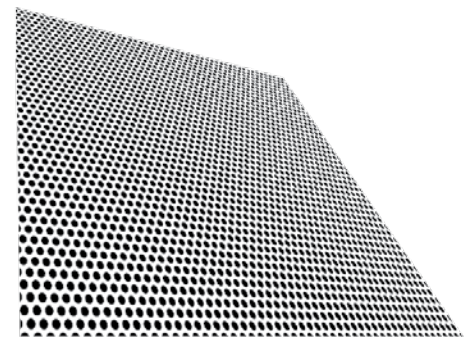


PAINTING INSTRUCTIONS

If you plan on paint your grills, we recommend that it be done prior to installation. The scrim cloth backing must be removed prior to painting the grills. The surface should be cleaned with a light solvent to remove any dust or residue. Totem Acoustic recommends a light spray-painting using 5 parts thinning agent to 1-part paint. Do not paint the grills while they are attached to the speaker.

Totem Acoustic offers a variety of accessories to make your installation of the speakers and other Totem Acoustic products easy, economical and professional. For more information, contact your Totem Authorized Dealer or visit www.totemacoustic.com.

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



The grills can be painted. However, great care should be taken not to clog the holes, as this will greatly reduce the sound quality of the speakers.

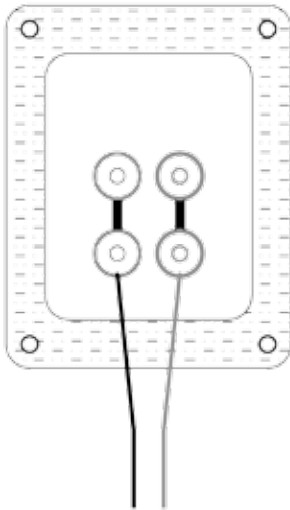
CONNECTIONS

All connections should be made with the equipment turned off.

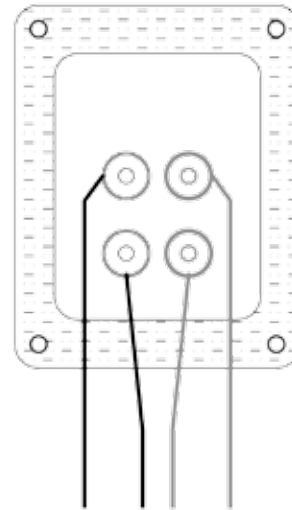
Totem delivers all speakers with jumpers installed. For a standard single wire connection simply leave the jumpers in place. Be certain to connect the positive red (+) terminal of the speaker to the positive red (+) output terminal on the amplifier. Be certain to connect the negative black (-) terminal of the speaker to the negative black (-) output terminal on the amplifier. The speakers will sound out of phase (bass loss and image distortion) if there is an error in your connection. Totem speakers can be bi-amped and bi-wired, please consult your amplifier manual for detailed instructions or contact your Totem Authorized Dealer.

Caution: For a **bi-amp** connection jumpers **MUST** be removed.

Single wire



Bi-wire
Remove jumpers



TROUBLESHOOTING GUIDE

No sound: Verify that your pre-amp and/or amplifier, and receiver are plugged into the AC PLUG and are turned on. Verify that the wall AC outlet is functional and that your system is not on mute.

Sound from one speaker only: Verify the balance control on your system. Swap speaker sides to verify if speaker is functional. Verify power cords on all sources. (Amplifier, preamp, receiver, CD, DVR)

Lack of bass or image: Verify the polarity of speaker connections.

AMPLIFIER DISTORTION

The most common source of speaker damage results from amplifier distortion. Your amplifier may run out of clean power upon listening at loud levels. A direct consequence of such an overuse is distorted power, producing a greater quantity of distortion than its rated output power. This provides a threat of damage to any loudspeaker.

The greater the amplifier power, the safer the loudness potential. A 50 watt/channel amplifier, if driven above this 50 watt/channel limit, will naturally produce multiplicatively more distortion than at 50 watts. A 120 watt/channel amplifier will have substantial distortion above 120 watts, but will not allow any significant distortion below 100 watts. To conclude, more amplifier power provides cleaner power and less possibility for damage.

VOLUME

Volume controls on the amplifier/ receiver/preamplifier are very misleading. Please note that the volume control does not address power-output, but simply adjusts the audible level of music. It is the type of music being played that has an incidence on the amount of power used at a given volume level. Less dynamic music utilizes lesser amplifier power than more dynamic music does. With most music, the amplifier reaches its maximum power between the 11 and 1 o'clock position on the volume dial.

Distortion is inevitable when the amplifier is pushed above its rated output level, which may result in speaker damage. This occurs with any type of speaker. This type of damage constitutes abuse and may not be covered by warranty. Be attentive to the instant distortion commences, turning the volume control down to prevent speaker and/or amplifier damage.

LIMITS

Be wary of providing more power than is appropriate for your speakers and damaging them. Although a more powerful amplifier may provide better sound, it is very important to utilize speakers within their power-range rating to prevent damage.

ENVIRONMENTAL INFORMATION

All Totem products are designed to comply with international Restriction of Hazardous Substances (RoHS) and CARB certification.