

# Solid|Drive®



Transform walls,  
windows, tables and  
nearly any solid  
surface into a speaker.

**Sound Without Speakers™**

# SolidDrive®

## SolidDrive turns solid surfaces into speakers.

SolidDrive SD1 is a cutting-edge, innovative, powerful sound transducer that transmits acoustical energy through almost any solid surface. The entire surface with which SolidDrive comes in contact becomes a speaker, delivering high-quality sound and the frequency response of conventional diaphragm speakers.

SolidDrive works with rigid surfaces including glass, drywall, wood, ceramics, laminates, composites and metal. Because SolidDrive utilizes existing structures in the room, it is ideal for residential and commercial applications. Experience sound in ways you never thought possible.

### How does the SD1 work?

SolidDrive utilizes patent-pending technology with very high-powered neodymium magnets and dual symmetrically opposed motors to convert audio signals into powerful vibrations. Those vibrations are transferred into solid surfaces through direct contact. High-quality, full-range sound is then radiated from the entire surface with a frequency response of 60 Hz to 15 kHz.

SolidDrive delivers excellent sound to problem areas, transforming walls, ceilings, floors, windows, mirrors, counter tops, conference room tables and other furniture into high-quality sound sources. Sound generated from a large surface area immerses the listener in omni directional sound, producing a stunning and impressive experience.



#### SD1 SolidDrive

For use attached to drywall and similar surfaces for "in-wall" and "in-ceiling" applications. The SD1 includes our dual cantilever mounting bracket.



#### SD1g SolidDrive

For use vertically or horizontally on glass or other smooth, non-porous materials. The SD1g is attached with a double-sided adhesive disc.



#### SD1sm SolidDrive

For use attached to wood and other porous surfaces, such as under wood desks and other furniture.



#### SD1 Desktop SolidDrive Kit

For portable use on top of any horizontal surface including glass, granite, metal, wood, ceramics, laminates and composites. Special silicone rubber pad "grips" any non-porous surface.



# Sound Without Speakers™

## A high-quality audio source completely hidden from view

A truly hidden speaker, SolidDrive installs directly behind walls, in ceilings, under floors and on most all other solid surfaces. The unit turns an entire structure's surface into a high-quality sound source while remaining completely hidden from view.

## SolidDrive SD1 is highly efficient and reliable

Efficiency is very important for inside-wall applications due to potential heat build up. The highly efficient SolidDrive answers this need with its ability to generate sound from an entire flat surface with very little power. In fact, SolidDrive can generate sound from solid surfaces by utilizing only 5 to 20 watts. SolidDrive is thermally protected, so can also be used in high-output applications with power levels up to 100 watts.

The SD1 operates in a virtually friction-free environment with no parts that will wear or require lubrication. Parts subject to fatigue are fabricated from high strength materials and engineered for infinite life. SolidDrive carries a 7-year warranty.

## Sturdy, patent-pending "in-wall" mounting system

The SolidDrive mounts "in-wall" and "in-ceiling" by attaching directly to the drywall with a patent-pending balanced cantilever spring bracket. The bracket spans the studs, providing strength, stability and vibration-free operation.

SolidDrive delivers sound to problem areas transforming walls, ceilings, floors, windows, mirrors, counter tops, conference room tables and other furniture into high-quality sound sources. Perfect for homes, retail stores, restaurants or anywhere audio is wanted but without visible speakers.

## Optional SolidDrive passive equalization modules

The surface material plays a key role in the system's sound quality. To ensure an optimal listening experience, the SolidDrive SD1 system is equalized with the SolidDrive Passive Equalization Module. One EQ module is used with each SolidDrive. EQ Modules are available for drywall, wood and glass surfaces.

### Imagine the applications for SolidDrive:

- Home theaters
- Distributed audio
- Restaurants
- Retail stores
- Hotels
- Conference room tables
- Digital signage
- Storefront windows
- Kiosks



SolidDrive SD1 drywall installation during new construction  
View from behind

# SolidDrive®



## SPECIFICATIONS

<b>Frequency Response</b>	60 - 15,000 Hz Nominal w/o EQ – depends on substrate
<b>Max Program Power</b>	100 Watts, with 100 Hz 12 dB / oct high-pass
<b>Max Continuous Power</b>	25 Watts
<b>Diameter - housing body</b>	2.30" / 58 mm
<b>Diameter - mounting foot</b>	
SD1&SD1sm	3.50" / 89 mm
SD1g&SD1 Desktop	2.13" / 54 mm
<b>Height - housing body</b>	2.05" / 51 mm
<b>SD1 Desktop Kit Dimensions</b>	10.50" W x 9.00" H x 3.25" D / 266.70 mm W x 228.60 mm H x 82.55 mm D
<b>Weight</b>	1.2 lb / 0.54 kg per drive

SolidDrive and SolidDrive subwoofers carry a seven-year warranty.



**MSE AUDIO GROUP**  
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Induction Dynamics | 913.663.9770 | 866.663.9770 | [www.soliddrive.com](http://www.soliddrive.com) | 8650 College Blvd, Overland Park, Kansas 66210