

INDUCTION DYNAMICS®

# Solid|Drive®

SOUND WITHOUT SPEAKERS™

## PRODUCT GUIDE



# Sound Without Speakers™



## Amazing Audio with Nothing Visible

Imagine your home filled with high-fidelity sound. Imagine there are no loud spots, no quiet, muffled areas—just one big “sweet spot” that encompasses your entire listening area. Imagine there are no visible wires, no bulky speaker cabinets, and no exposed grilles fastened to your walls.

## A New Way to Experience Music

SolidDrive's revolutionary technology changes what's possible in home audio. Rather than just adding speakers to a room, SolidDrive® transforms that room, making use of common household materials to produce audio through all your living spaces. With SolidDrive, sound radiates from a large surface area, blanketing a room with smooth, even audio throughout.

## Heard But Not Seen

The system itself is entirely invisible, with drives mounted behind cabinets, under tables, in ceilings, or behind walls. Unlike a conventional in-wall speaker, no grille gives away its position. The only evidence it's there is in the dazzling sound filling the room.

SD1g



shown in black

SD1



shown in chrome

SD1sm



shown in titanium

On this page: SolidDrive sound transducers are mounted inside (above) the ceiling over the sitting area, creating a totally invisible audio system. The SD1 is designed for use behind drywall in ceilings and walls.

Glass drives are mounted to the inside of the pane, delivering music to both the balcony and indoor sitting area.

The surface-mount models are located on the inside of the cabinets flanking the stove's exhaust fan, filling the kitchen with stereo sound.

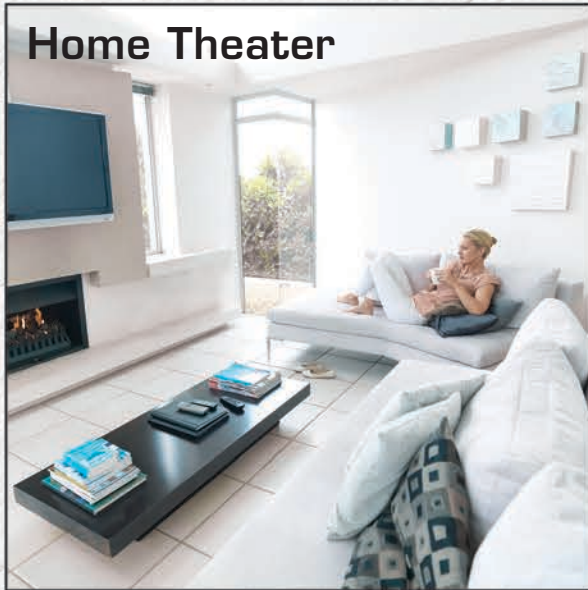
SolidDrive is available in chrome, titanium and black



# High-Quality Sound

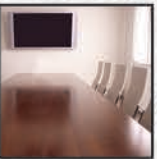
# Anywhere

## Home Theater



SolidDrive® is often used in stereo and distributed audio applications, but can also be used to build a home theater system. Using drywall, glass, and other surfaces, SolidDrive transducers utilize pre-existing materials to reproduce main, center, and surround sound audio channels. To fill out the bass, SolidDrive has developed two in-wall subwoofers with paintable grilles that blend in with the décor of your room.

## Distributed Audio



SolidDrive can furnish any room in a home or office with an audio system: drives can be mounted behind walls, in ceilings, under furniture, in cabinets, on windows, and virtually anywhere there's a flat surface. SolidDrives connect to audio equipment just like a speaker, so they can be used with any receiver or control system on the market. For more bass, add a hidden SW7 or SW8 in-wall subwoofer.

## Portable Audio



A portable SolidDrive Desktop Kit transforms any horizontal surface into a speaker. Two Desktop Kit models are available that include power supplies, cables, amplifier and EQ in a handy carrying case. Perfect for travelers, the Desktop Kit works with laptops, mp3 players, and any other device with a headphone jack.



Outdoor areas can be served by the SD1g (glass-mount). The SD1g attaches to glass using a double-sided adhesive disk to deliver sound to both sides of a pane of glass. The SD1g is commonly mounted on large windows, on the interior side of the pane. From there, both indoor living areas and outdoor spaces will hear the same audio source, with the outdoor area playing at a slightly higher volume (this application works great for retail storefronts, home patios, yachts and large boats, and anywhere else you want sound inside and out).

Landscaped areas can be served by the RockSolid®, a SolidDrive product that mates our patented transducers to a rock-like shell. The RockSolid is the only rock speaker on the market without grille holes, and produces omnidirectional sound.







SolidDrive® Models

<p><b>SD1</b> Attaches to drywall and similar surfaces using our patented cantilever spring mounting bracket (sold separately, see below). Each SD1 is designed for one channel of audio. An optional equalization module (listed below) optimizes the SD1 for use on drywall.</p>	<p><b>SD1g</b> Attaches to glass and other non-porous surfaces using double-sided adhesive disk (included). Each SD1g is designed for one channel of audio. An optional equalization module (listed below) optimizes the SD1g for use on glass.</p>	<p><b>SD1sm</b> Attaches to wood and similar surfaces using included wood screws. Each SD1sm is designed for one channel of audio. An optional equalization module (listed below) optimizes the SD1sm for use on wood surfaces.</p>	<p><b>SD1 Desktop Kit</b> Portable SD1 kit for use on top of horizontal surfaces including glass, metal, wood, ceramics, laminates, &amp; composites. Special silicone rubber pad grips any non-porous surface. Kit includes one (1) SD1 desktop unit, DC power adaptor, 10-watt mini amplifier, equalization module, cables, &amp; carrying case.</p>	<p><b>SD1 Desktop Kit-250</b> Portable SD1 kit for use on top of horizontal surfaces including glass, metal, wood, ceramics, laminates and composites. Kit includes one (1) SD1 desktop unit, DC power adaptor, cables and SD-250 2x50 watt mini amp with SolidDrive EQ curves (see description to right) in a convenient carrying case.</p>	<p><b>RockSolid®</b> Realistic rock-like enclosure with two SD1 units mounted on the inside. Includes one passive equalization module, one low-frequency passive equalization module, two heat sink fins mounted on SD1 units, Eurostyle connector and anti-theft bracket.</p>
 <p>shown in chrome</p>	 <p>shown in black</p>	 <p>shown in titanium</p>			
<p><b>Nominal Impedance</b> 8 Ω</p> <p><b>Frequency Response</b> 60 – 15,000 Hz Nominal w/o EQ</p> <p><b>Max Program Power</b> 100 watts, with 100 Hz 12 dB / octave high-pass</p> <p><b>Max Continuous Power</b> 25 watts</p> <p><b>Housing Body Dimensions</b> Diameter: 58 mm (2.3") Height: 51 mm (2.05") Weight: 0.54 kg (1.2 lb.)</p> <p><b>Mounting Foot Diameter</b> 89 mm (3.5")</p> <p><b>Coverage Angle</b> 120°</p> <p><b>UL 1480 Approved</b></p>	<p><b>Nominal Impedance</b> 8 Ω</p> <p><b>Frequency Response</b> 60 – 15,000 Hz Nominal w/o EQ</p> <p><b>Max Program Power</b> 100 watts, with 100 Hz 12 dB / octave high-pass</p> <p><b>Max Continuous Power</b> 25 watts</p> <p><b>Housing Body Dimensions</b> Diameter: 58 mm (2.3") Height: 51 mm (2.05") Weight: 0.54 kg (1.2 lb.)</p> <p><b>Mounting Foot Diameter</b> 51 mm (2.0")</p> <p><b>Coverage Angle</b> 120°</p> <p><b>UL 1480 Approved</b></p>	<p><b>Nominal Impedance</b> 8 Ω</p> <p><b>Frequency Response</b> 60-15,000 Hz Nominal w/o EQ</p> <p><b>Max Program Power</b> 100 watts, with 100 Hz 12 dB / octave high-pass</p> <p><b>Max Continuous Power</b> 25 watts</p> <p><b>Housing Body Dimensions</b> Diameter: 58 mm (2.3") Height: 51 mm (2.05") Weight: 0.54 kg (1.2 lb.)</p> <p><b>Mounting Foot Diameter</b> 89 mm (3.5")</p> <p><b>Coverage Angle</b> 120°</p> <p><b>UL 1480 Approved</b></p>	<p><b>Nominal Impedance</b> 8 Ω</p> <p><b>Frequency Response</b> 60 – 15,000 Hz Nominal w/o EQ</p> <p><b>Max Program Power</b> (with separate amplifier) 100 watts, with 100 Hz 12 dB / octave high-pass</p> <p><b>Max Amplifier Power</b> (included mini amplifier) 10 watts</p> <p><b>Housing Body Dimensions</b> Diameter: 58 mm (2.3") Height: 51 mm (2.05") Weight: 0.54 kg (1.2 lb.)</p> <p><b>Mounting Foot Diameter</b> 51 mm (2.0")</p> <p><b>Coverage Angle</b> 120°</p>	<p><b>Nominal Impedance</b> 8 Ω</p> <p><b>Frequency Response</b> 60 – 15,000 Hz Nominal w/o EQ</p> <p><b>Max Program Power</b> (with separate amplifier) 100 watts, with 100 Hz 12 dB / octave high-pass</p> <p><b>Max Amplifier Power</b> (included mini amplifier) 2 x 50 watts</p> <p><b>Housing Body Dimensions</b> Diameter: 58 mm (2.3") Height: 51 mm (2.05") Weight: 0.54 kg (1.2 lb.)</p> <p><b>Mounting Foot Diameter</b> 51 mm (2.0")</p> <p><b>Coverage Angle</b> 120°</p>	<p><b>Colors (Shown Above)</b> Charcoal, Red Rock, &amp; SandStone</p> <p><b>Frequency Response</b> 60 – 15,000 Hz Nominal w/o EQ</p> <p><b>Max Program Power</b> 200 watts @ 8 Ω</p> <p><b>Max Continuous Power</b> 100 watts</p> <p><b>Dimensions</b> Height: 330.2 mm (13") Diameter: 584.2 mm (23") Weight: 7.7 kg (17 lb.)</p> <p><b>Note:</b> The RockSolid should be placed in landscaped areas; not suitable for lawns (mowers and weed whackers will damage the surface). Some applications may require a preamp with 10dB or higher gain, due to the low sensitivity of the RockSolid.</p>

Subwoofers



<p><b>Phase Technology® IW-100</b> In-wall subwoofer with vented enclosure, designed to mount behind walls between wall studs. It is designed for use with the P350 subwoofer amplifier.</p>	<p><b>Phase Technology® IW-200</b> In-wall subwoofer with sealed enclosure, designed to mount behind walls between wall studs. It is designed for use with the P350 subwoofer amplifier.</p>
	
<p><b>Woofer</b> 7" mica-graphite polypropylene</p> <p><b>Frequency Response</b> 30 – 160 Hz</p> <p><b>Impedance</b> 4 Ω</p> <p><b>Enclosure</b> Sealed (SW7.iwa) Ported (SW7.iwp)</p> <p><b>Enclosure Dimensions</b> Height: 1,066.8 mm (42.0") Width: 375.76 mm (14.4") Depth: 88.9 mm (3.5") Weight: 16.3 kg (36 lbs.)</p> <p><b>Cutout Dimensions</b> Height: 215.9 mm (8.5") Width: 295.28 mm (11.625")</p>	<p><b>Woofer</b> Dual 8" Mica/Graphite Polypropylene</p> <p><b>Frequency Response</b> 25 – 160 Hz</p> <p><b>Impedance</b> 4 Ω</p> <p><b>Enclosure</b> Sealed</p> <p><b>Enclosure Dimensions</b> Height: 1828.8 mm (72") Width: 375.76 mm (14.4") Depth: 86.35 mm (3.4") Weight: 23.1 kg (51 lbs.)</p> <p><b>Cutout Dimensions</b> Height: 520.7 mm (20.5") Width: 222.25 mm (8.75")</p>

Amplifiers

<p><b>P350 Subwoofer Amplifier</b> Single-channel (mono) subwoofer amplifier designed for use with the IW-100 and IW-200. A single P350 can power multiple subwoofers.</p>	<p><b>SD250</b> Ultra-compact 2-channel amplifier with extra heat sink surfaces for extended duty at full power. Rated at 15 watts per channel. RCA, mini plug, and line level inputs. Volume control and high, low-pass filter or full-range. Remote power trigger. Includes 15-volt DC power supply and pole mount adaptor.</p>
	
<p>200 watts/350 watts peak</p> <p>Three modes (sub, LFE and Wide-Range)</p> <p>User-adjustable gain</p> <p>Internal crossover range from 40 – 160 Hz</p> <p>0/180 phase switch</p> <p>Variable low frequency equalization from -3 dB to +6 dB</p> <p><b>Dimensions</b> Height: 51 mm (2.05") Width: 51 mm (2.05") Depth: 51 mm (2.05") Weight: 7.7 kg (17.0 lbs.)</p>	<p><b>System Type</b> 2-channel (stereo) Class AB amplifier</p> <p><b>Frequency Response</b> 20 – 20,000 Hz</p> <p><b>Input Impedance</b> 6K Ω</p> <p><b>Output Impedance</b> 330.2 mm (13.00")</p> <p><b>Output Power</b> 15 watts per channel</p> <p><b>Dimensions</b> Height: 31.2 mm (1.23") Width: 101.1 mm (3.98") Depth: 123.6 mm (4.86") Weight: 0.59 kg (1.30 lbs.)</p>

Options & Accessories

 <p><b>Mounting Brackets</b> Patented balanced cantilever spring brackets are required for installations of the SD1 behind drywall. The mounting bracket eliminates stress on the glue bond by balancing the SD1 to eliminate torque and by holding it against the drywall with the proper amount of pressure. Brackets are available for 12-inch, 16-inch, and 24-inch on-center studs.</p>	 <p><b>Color Options</b> SolidDrive units are available in chrome, anodized titanium and anodized black. The titanium and black units are recommended for warm climates or installation in spaces that tend to get warm.</p>
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 <p><b>Passive EQ Modules</b> Passive equalization modules are designed to smooth out the frequency response and optimize the sound of the SD1, SD1g, and SD1sm for the type of surface to which they will be attached. One module is needed for each SolidDrive unit.</p>	 <p><b>Heat Sink Fins</b> Optional heat sink fins clamp around the drive to disperse heat. Heat sink fins are recommended in hot-weather locations and in applications where the SolidDrive is attached to a small surface area.</p>
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# Innovative Technology

Shown Left: In-ceiling SolidDrive units drive a large surface area, filling the room with music in a smooth, even coverage pattern.

Shown Right: conventional in-ceiling speakers drive small cones (woofers and tweeters), which can produce an uneven coverage pattern that results in loud and quiet spots throughout the room.



## Connects Like a Speaker

Like a conventional speaker, each SolidDrive® unit is designed for one channel of audio; drives connect to an amplifier using standard speaker wire and can be adjusted by an equalizer, just like any other speaker on the market. What sets SolidDrive apart—besides its amazing sound and total invisibility—is its efficiency.

## High Efficiency, High Output

SolidDrive can generate sound from an entire flat surface using as little as 5 to 15 watts. Since it's thermally protected, it can also be used in high-output applications with power levels up to 100 watts (for applications which require extended periods of high power, we offer optional heat-sink fins).

## Safe, Strong, and Designed to Last

SolidDrive vibrates the surface it's attached to (drywall, glass, wood, etc.) roughly 0.006 of an inch—less than a central vacuum or clothes dryer—meaning you can enjoy the music without worrying about damaging your walls, windows, or furniture. With no moving coils, cones, or surrounds, there are no moving parts that could cause wear or require lubrication. Parts subject to fatigue are fabricated from heavy-duty industrial materials designed to withstand vibrations. All SolidDrive products are covered by a seven-year manufacturer's warranty. SolidDrive sound transducers are UL-listed and meet UL 1480 safety requirements.

## Smooth, Even Coverage

SolidDrive activates a large section of the surface to which it's mounted, launching all sound from the same plane. Since sound radiates from a large surface area, loss of volume with distance is significantly less than with conventional speakers. SolidDrive's low distance factor (-4 dB/doubling distance) and wide coverage angle (120°) fill the room with smooth, even sound, without loud or quiet spots.



# Sound Without Limits™



## Advancing the Science of Sound

Better sound without visible wires or grilles, SolidDrive® is a truly invisible sound system perfect for house-wide distributed audio or home theater. Our unique technology transforms surfaces into sound-producing planes that blanket whole rooms with music and soundtracks.

## Music from any Surface

Using a variety of surfaces, SolidDrive products can fill your entire home with high-fidelity audio. Whether you want a RockSolid® stealthily hidden in your backyard's bushes, eave-mounted SD1sm's making music on your patio, or a hidden home theater behind the walls of your living room, SolidDrive will enhance your home with music and entertainment.

## Guaranteed Performance

Covered by a seven-year manufacturer's warranty, SolidDrive will not blow out, wear out, or overheat. What it will do is fill your home with your favorite music and soundtracks for years to come, without any grilles or visible wires.

To find an authorized SolidDrive dealer and installer in your area, call 1-866-663-9770.

**MSE Audio®**

MSE Audio is a family of speaker brands headquartered in Overland Park, Kansas. From the custom designs of Induction Dynamics, to the all-digital dARTS system from Phase Technology, from the invisible audio solutions available through SolidDrive, to the industry-leading commercial speakers of SoundTube, MSE Audio is dedicated to advancing the science of sound reproduction.





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