

SOUNDTUBE®

An Audio Company With No Limits // ST



Product Guide 2014

SOUNDTUBE®


Lead...or Follow®

An Audio Company With No Limits // ST


No other speaker company takes the same approach to developing technology, bringing innovation to market and celebrating creativity in everything it does. SoundTube's engineers are constantly striving to bring the best possible technologies and designs to the commercial market, and work toward meeting key safety and electrical compliance goals for U.S. and international markets. As a result, we have the industry's widest selection of UL-listed speakers and our products also meet RoHS, CE and many of the new National Fire Protection Association (NFPA) requirements. All SoundTube speakers come with a 5-year limited warranty. All SoundTube electronics come with a three year warranty. All SoundTube products are designed and engineered in the U.S.A.




The Cure for the Common Speaker™ ST

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SOUNDTUBE®

Commercial Applications

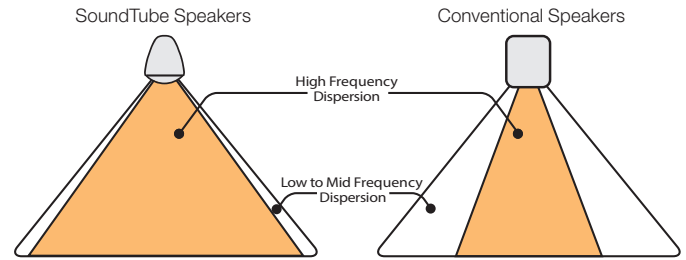
The Cure for the Common Speaker // ST

Our speakers are unlike anything you've ever heard—or seen—before. From the attention-grabbing cylindrical structures that gave us our name, to the sleek, contemporary designs we create today, one thing has always set us apart: superior sound. With an unwavering focus on solution-based engineering and customer satisfaction, SoundTube Entertainment has been crafting cost-effective, high-quality, aesthetic speakers for the commercial sound industry for over 17 years.

Offering full lines of loudspeakers for paging, background music, sound focusing, foreground music and a variety of other uses, SoundTube has efficient solutions for almost any commercial audio need. With fuller coverage over larger areas than conventional speakers, SoundTube's sound is not only exceptional, it's economical. Ours are the most cost-effective speakers of their kind on the market today.

Whatever an application requires—open-ceiling, in-wall, surface-mount, in-ceiling or outdoor audio—SoundTube has a high-performance speaker to fit the bill. SoundTube engineers create product lines and models with consistency in mind, so the CMI speakers in the drop-tile ceiling over a restaurant's dining room produce the same tone and sound quality as the RSi speakers in the open ceiling over the foyer. And whether those speakers emit music or announcements, every note and word is always crystal clear.

SoundTube also matches incomparable sound with extraordinary design. Our speakers are intended to look as good as they sound. We create aesthetically pleasing speakers with clean lines and feature a variety of mounting methods as well as custom painting and color options to ensure our products fit in to any commercial décor. SoundTube speakers can blend in with your architecture, complement your layout, or remain virtually invisible.



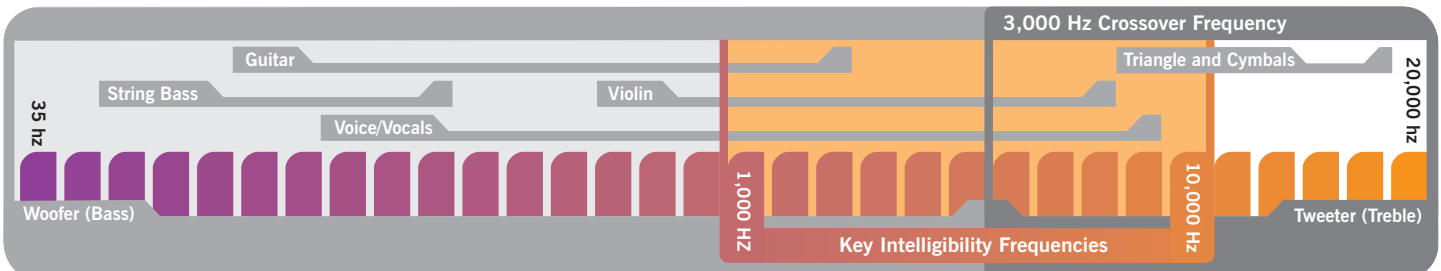
BroadBeam®: Ensuring the Best Sound Coverage // ST

Anyone who has paid close attention to a conventional speaker may have noticed what is sometimes called the grocery store effect: The farther off-center you move from the speaker, the weaker its higher frequencies become. Not so with SoundTube speakers. Our patented BroadBeam® waveguide technology produces a predictable 110° coverage pattern that ensures you don't have to be directly in front of or beneath a speaker to get great sound.

While the beam of sound created by a typical speaker is direct and narrow, BroadBeam disperses a much fuller sound to create a wider beam, providing crisp vocals and unrivaled clarity between musical notes to a larger area. This is what makes SoundTube speakers stand above the rest. With such outstanding, consistent full-range edge-to-edge coverage, you get much better sound for your money.

BroadBeam® vs. BroadBeam®HP // ST

For particularly noisy or large areas like airports, convention centers and gymnasiums, there's BroadBeam®HP, a high-power version of BroadBeam with a 90° coverage angle. BroadBeamHP features higher output and longer throw, allowing announcements and music to be clearly heard over loud crowds or at longer distances.



SoundTube's BroadBeam speakers cover a wide range of essential frequencies (1,000 Hz to 10,000 Hz) with realistic, exceptional sound.

The Cure for the Common Speaker™ ST



Solution-Based Product Development ST

Throughout every step in the development process, SoundTube engineers keep the end-user in mind. Our careful consideration of feedback from resellers and customers facilitates constant innovation and improvement in mounting systems, industrial design and sound quality. Most SoundTube speakers have built-in or optional transformers. This means they're compatible with just about any commercial application in the world. So whether you're running on 25, 70.7 or 100 volts or low impedance, SoundTube speakers will fit seamlessly into your system.

With included and optional accessories that can adapt our speakers to a variety of applications, installation is a cinch, resulting in reduced labor costs. Each box includes almost all the necessary items to set

up the speaker, so your installer won't have to shop around or dig in his truck for miscellaneous parts and pieces. Nor will he have to perform a precarious balancing act on a ladder while fighting to install a bracket—our hanging and mounting systems are created specifically to make the job trouble-free.

We're even there for you behind the scenes before your speakers are ordered. SoundTube engineers work with integrators and consultants throughout the specification process to make sure you get the correct quantity of the proper speakers for your application. Independently verified, consistent data is also readily available to our dealers in a variety of formats to help them create the best possible commercial sound system for your space.

SOUNDTUBE®

Got UL?

UL Listing Categories for Speakers // ST

UL 1480 tests a speaker's ability to withstand harsh environmental conditions and confirms that it will not catch fire or otherwise cause harm in the event of improper installation.

UL 1480 UUMW is required to meet the new NFPA-72-2010 code.

UL 2043 applies to speakers meant for installation in plenum (or air-handling) spaces, such as above suspended ceilings or beneath floors. UL 2043 tests the rate of heat release and smoke release of burning product samples to ensure they meet safety requirements.

UL 2239 ensures the safety of hardware associated with hanging devices, such as cables, straps, staples, etc.

UL60065 warrants the safety of electronic amplification devices.

EN54 is a mandatory standard in the European Union market for fire detection and alarm systems. It specifies requirements and laboratory tests for every component in these systems, and allows the free movement of constructions products between EU countries.

CB certification is the European standard for safety. It is similar to the American UL certification standard. CB certification is widely accepted and enforced throughout Europe.

The Widest Selection of UL-Listed Speakers // ST

For over a century, Underwriters Laboratories has developed safety standards and tested products to ensure they are safe for use. Several states and local jurisdictions now require that commercial speakers be UL-listed.

SoundTube guarantees that all products bearing the UL logo are UL-listed, not just that they *meet* UL requirements. This is an important distinction, because where a *UL listing* is mandatory, simply meeting the requirements will not pass inspection. We go to great lengths to obtain listings so that with the majority of SoundTube models, customers can rest assured that Underwriters Laboratories has independently evaluated and officially certified the product.

And UL isn't the only regulatory area where we've got you covered. Our products also meet the approval standards of RoHS, WEEE, CE, CB and several models are in the process of EN54 testing as of this printing.



SECRET SOUND®

	UL 1480
FP6020-II	⊘
FP6030-II	⊘
SS30	⊘



RSi series

	UL 1480	UL 2239
RS400i	●	●
RS500i	●	●
RS600i	●	●
RS800i	●	●
RS1001i-II-T	●	●



HPi series

	UL 1480	UL 2239
HP590i	⊘	●
HP890i	●	●
HP129a	●	●
HP1290i	●	●



RSEZ series

	UL 1480	UL 2239
RS31-EZ-(T)	Ⓢ	●
RS4-EZ	⊘	●
RS42-EZ	Ⓢ	●
RS62-EZ	Ⓢ	●
RS82-EZ	Ⓢ	●
HP82-EZ	Ⓢ	●



LA series

	UL 1480
LA880i	○
LA808i	○

The Cure for the Common Speaker™



SM series



IW series



IP series



CMi series



CM-EZ series

	UL 1480		UL 1480	UL 2043		UL 1480	UL 2043	UL60065		UL 1480	UL 2043		UL 1480	UL 2043
SM31-EZ(-T)	●	IW31-EZ	●	●	STNet Switch	N/A	N/A	●	CM400i	●	●	CM-EZ-II	●	●
SM82-EZ	●	IW500b	●	○	IP-SM500i-II	○	N/A	●	CM500i	●	●	CM31-EZ	●	●
SM400i	●				IP-CM52-BGM	○	○	●	CM600i	●	●	CM42-EZ-II	●	●
SM500i-II(-WX)	○				IP-CM52s-BGM	○	○	●	CM690i	●	●	CM62-EZ-II	●	●
SM590i-II(-WX)	○				IP-CM62-BGM	○	○	●	CM800d	●	●	CM62-EZs-II	●	●
SM890i(-WX)	●				IP-CM82-BGM	○	○	●	CM800i	●	●	CM82-EZ-II	●	●
SM1001p	○								CM890d	●	●	CM82-EZs-II	●	●
									CM890i	●	●	CM82-EZ-FS	●	●
									CM1001d-T	●	●	CM82-EZs-FS	●	●
												CM89-EZ	●	●



CM-BGM series



SA series



RF series



SD series



XT series

	UL 1480	UL 2043		UL 60065	UL 2043		UL 1480		UL 1480	UL 2043	UL 60065		UL 1480
CM52-BGM	●	●	SA202	○	○	RF31-EZ	Ⓢ	SD1	●	●	N/A	XT550	●
CM52s-BGM	●	●	SA502	●	○	RF31-EZ-T	Ⓢ	SD1g	●	●	N/A	XT850	●
CM62-BGM	●	●				RF 41-20	○	SD1sm	●	●	N/A	XT-RockSolid	○
CM82-BGM	●	●				RF 122-150	○	SD1 Desktop Kit-250	○	○	N/A		
								SD-250	○	○	●		

● - Approved ● - Back Box Approved Ⓢ - Pending Approval ○ - UL Testing Planned ○ - UL Testing Not Planned

RSi series

Open-Ceiling Speakers



Features // RSi

- Full-frequency dispersion
- Patented BroadBeam® technology
- Hanging hardware included
- Fast-action wiring
- ZeroReflection™ enclosures
- Surface-mounting options
- Weather-resistant

Applications // RSi

- Retail
- Conference centers
- Gymnasiums
- Grocery stores
- Restaurants
- Lounges and clubs
- Casinos
- Houses of worship

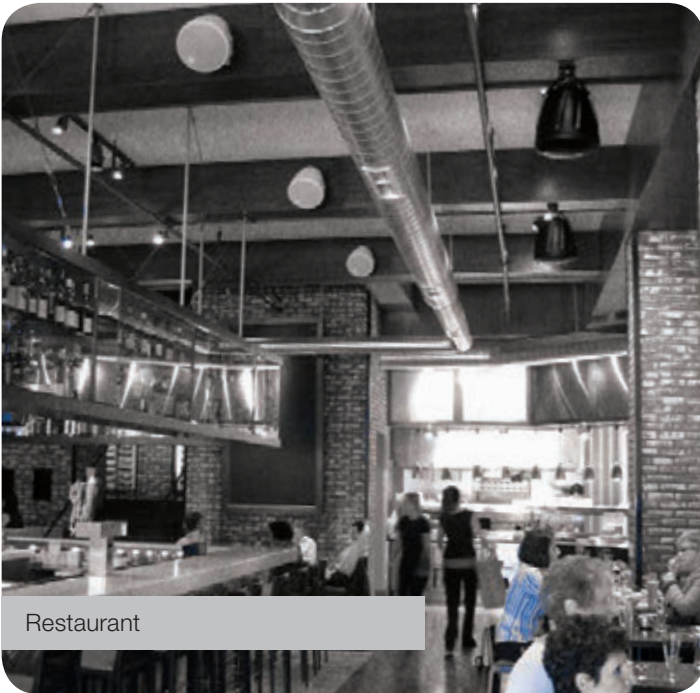
The Best Hanging Speakers on the Planet // RSi

For open, spacious buildings with high ceilings, SoundTube has built the RSi series of hanging speakers. Whether your installation is a cathedral or an exclusive boutique, our RSi speakers will deliver high-fidelity music and clearly intelligible paging from an aesthetically pleasing design.

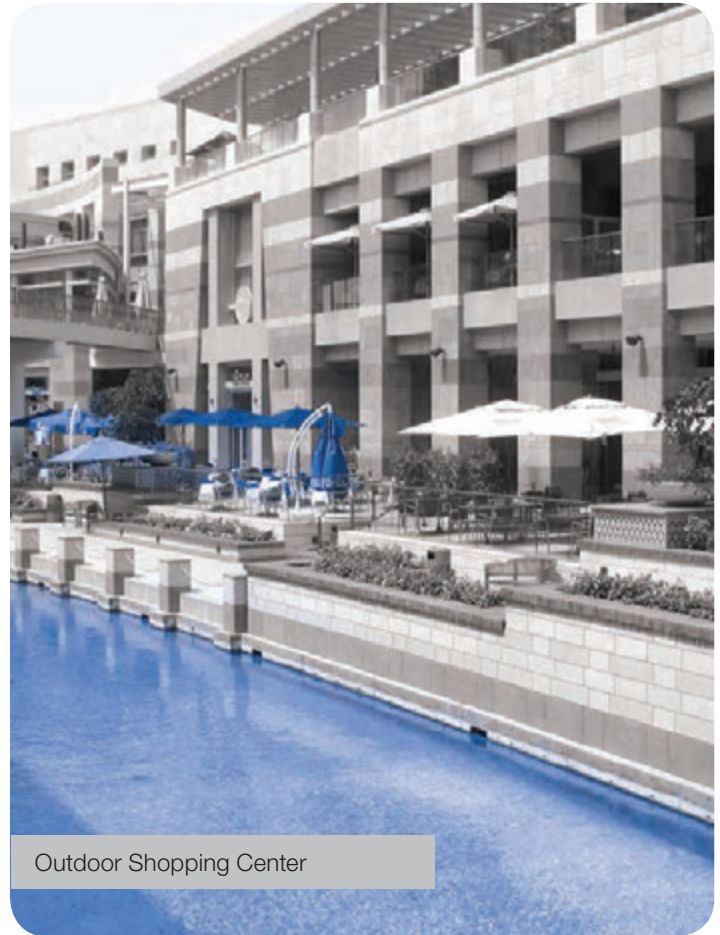
If your installation requires a mix of hanging speakers and in-ceiling or surface-mount models, you can rest assured that sound quality will stay the same throughout your facility, as SoundTube speakers are designed to match one another with the same timbre and tone.

Along with fantastic sound and great looks, your SoundTube speakers come with peace of mind. All RSi speakers are compliant with CE, WEEE, and RoHS regulations. Additionally, all RSi speakers except the RS4-EZ are UL-listed.

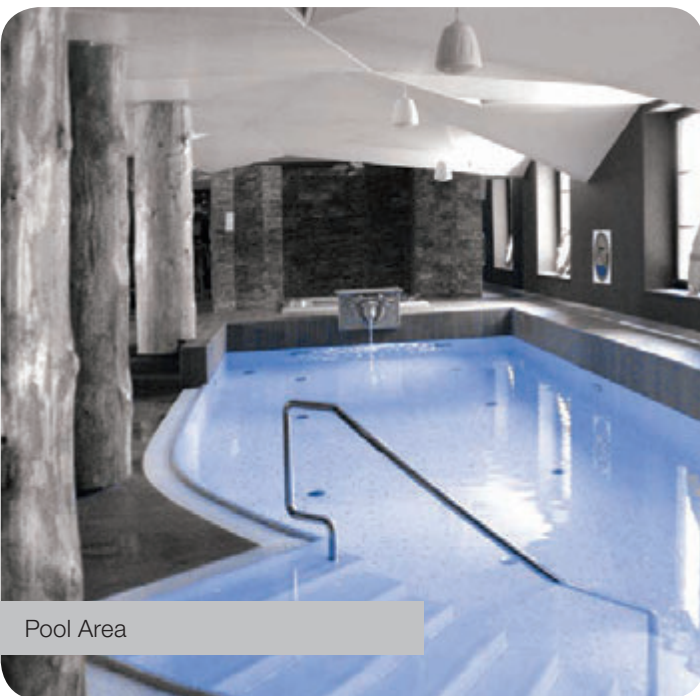
The Best Hanging Speakers on the Planet  RSI



Restaurant



Outdoor Shopping Center



Pool Area



Grocery Store

RSi series

Open-Ceiling Speakers



// Full-frequency dispersion

The hallmark of SoundTube's RSi speakers is full-frequency dispersion, made even more robust with SoundTube's revolutionary BroadBeam high-frequency dispersion technology.



// Wiring Made Easy

Included with every RSi speaker is a four-pin Euroblock connector that speeds wiring, simplifies daisy-chaining of multiple speakers and allows for pre-wiring.



// Hanging Hardware Included

Easily adjustable installation hardware, including hanging and safety cables and SpeedClamps™, is packaged with each RSi speaker.



// Adjustable Output Levels

RSi products include an easy-access, front mounted, multi-position tap switch that allows installers to customize the intensity of each speaker's sound. And since all RSi speakers include transformers, they are adaptable to 25-, 70.7- and 100-volt as well as having a transformer bypass.



// ZeroReflection™ Enclosure

RSi enclosures are engineered to eliminate standing sound waves inside the cabinet for a better sound. Our speaker cabinets produce intelligible sound in large open spaces while integrating with all types of architecture.



// Surface-Mounting Option

In addition to hanging in open-ceiling environments, RSi speakers can be surface-mounted with SoundTube's optional bracket.

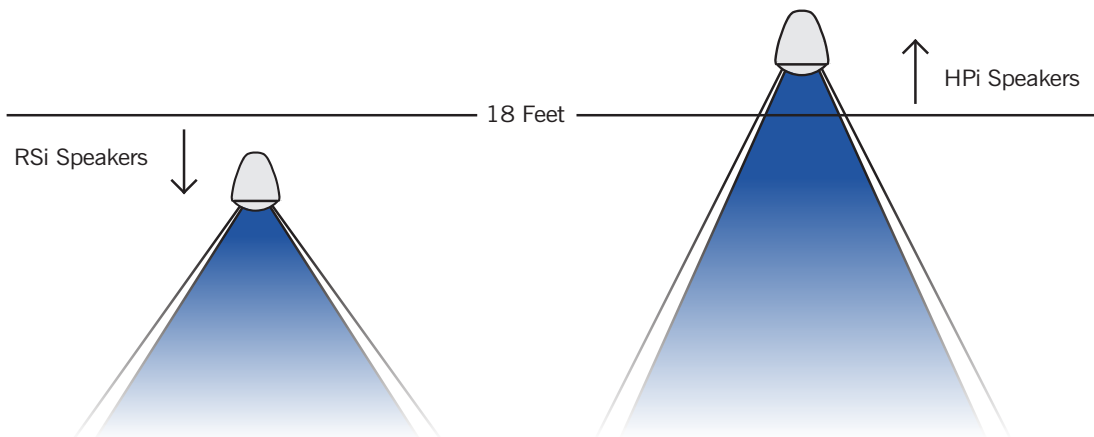


// RS1001i Pendant Subwoofer

The RS1001i was designed with a 150 watt transformer to put out prodigious bass in any open-ceiling application. The RS1001i complements the RSi series by adding that extra low end audio that is sometimes missing in open-ceiling applications.

// RSi vs. HPi

Need help deciding which line to choose? If you have lower ceilings and need a wider coverage angle, the RSi series could be your best bet. If you have higher ceilings and need something with longer throw to cut through lots of ambient noise, HPi speakers fit the bill. Still can't decide? We're here to help. Call 435.647.9555.



The Best Hanging Speakers on the Planet  RSi



	RS400i	RS500i	RS600i	RS800i	RS1001i-II-T
System Type	4" Coax	5.25" Coax	6.5" Coax	8" Coax	10" Sub
Frequency Response (-3 dB)	95 Hz - 20 kHz	87 Hz - 22 kHz	85 Hz - 17 kHz	80 Hz - 22 kHz	53 Hz - 175 Hz
Frequency Response (-10 dB)	76 Hz - 22 kHz	61 Hz - 22 kHz	58 Hz - 22 kHz	58 Hz - 22 kHz	38 Hz - 450 Hz
Height	8.80" / 223.5 mm	11.74" / 298.2 mm	14.31" / 363.5 mm	17.23" / 437.6 mm	17.23" / 437.6 mm
Diameter	7.70" / 195.6 mm	9.68" / 245.9 mm	12.10" / 307.3 mm	14.82" / 376.4 mm	14.82" / 376.4 mm
Weight	5.0 lbs. / 2.3 kg	9.5 lbs. / 4.3 kg	13.5 lbs. / 6.1 kg	20.5 lbs. / 9.3 kg	27.0 lbs. / 12.3 kg
Certifications	UL 1480 & 2239, CE, RoHS, WEEE	UL 1480 & 2239, CE, RoHS, WEEE	UL 1480 & 2239, CE, RoHS, WEEE	UL 1480 & 2239, CE, RoHS, WEEE	UL 1480 & 2239, CE, RoHS, WEEE

RS-EZ series

Economy Open-Ceiling Speakers

Versatile speakers for open-ceiling installations // RS-EZ

Designed for superior off-axis performance and easy installation, SoundTube's RS-EZ speakers provide an economical solution for integrators needing high-quality pendant speakers. RS-EZ speakers include hanging cables and all models provide direct conduit mount (except the RS31-EZ and RS4-EZ). Weatherized components and powder-coated aluminum grilles make the RS-EZ series suitable for indoor or outdoor uses. SoundTube's exclusive BroadBeam Ring™ technology provides superb off-axis performance in the RS42-EZ, RS62-EZ and RS82-EZ. For installations requiring longer throw, the high-power HP82-EZ uses our BroadBeam® HP compression driver to improve high frequency dispersion while providing excellent coverage from high ceilings.

For installations over countertops or bars, or for the aesthetics and sound of a pendant speaker in a finished ceiling, the RS31-EZ is a small, attractive option. This 3" speaker includes a hanging/safety cable and cover plate which attaches to a junction box. For transformer operation, the RS31-EZ-T includes a 20 watt transformer that fits within a ceiling-mount junction box.

Features // RS-EZ

Open-ceiling pendant design

Ported enclosure on RS4-EZ, RS42-EZ, RS62-EZ, RS82-EZ and HP82-EZ

Transformer and bypass operation modes on RS4-EZ, RS42-EZ, RS62-EZ, RS82-EZ and HP82-EZ

16 ohm impedance (all models except the RS31-EZ(-T) and RS4-EZ) for easy daisy-chaining in low voltage systems.

Fast, easy installation via hanging cable or direct conduit mount*

Available in black or white (paintable)

*Direct conduit mount is not available in the RS31-EZ(-T) and the RS4-EZ.

Superb Pendant Speakers at a Superior Price // RS-EZ



// Ceramic Input Terminal Strip

Ceramic input terminal accepts up to 10 gauge plenum rated signal wire and includes thermal fuse. Suitable for use in voice alarm applications subject to EU regulations EN60849 and BS5839-8.



// Wide Full-Frequency Dispersion

BroadBeam Ring™ technology, another invention from our R&D team, is an economical method of ensuring that high-frequency dispersion closely matches that of the low frequencies in RS-EZ speakers.



// Easy Installation

Easily adjustable installation hardware, including hanging and safety cables and SpeedClamps™, is packaged with each RS-EZ speaker (not including the RS31-EZ-(T)).



// Adjustable Output Levels

RS-EZ products include an easy-access, multi-position tap switch that allows installers to customize the intensity of each speaker's sound. And since most RS-EZ speakers include transformers, they are adaptable to 25-, 70.7- and 100-volt as well as transformer bypass systems.



	RS31-EZ-(T)*	RS4-EZ	RS42-EZ	RS62-EZ	RS82-EZ	HP82-EZ
System Type	3" Full Range	4" Full Range	4" Coax	6.5" Coax	8" Coax	8" Coax, High SPL
Frequency Response (-3 dB)	170 Hz - 14 kHz	185 Hz - 13 kHz	140 Hz - 22 kHz	100 Hz - 22 kHz	100 Hz - 22 kHz	110 Hz - 22 kHz
Frequency Response (-10 dB)	120 Hz - 22 kHz	98 Hz - 22 kHz	100 Hz - 22 kHz	80 Hz - 22 kHz	80 Hz - 22 kHz	80 Hz - 22 kHz
Height	4.35" / 110.5 mm	8.80" / 223.5 mm	7.86" / 199.6	10.4" / 264.2 mm	12.9" / 327.7 mm	12.9" / 327.7 mm
Diameter	4.35" / 110.4 mm	7.70" / 195.6 mm	7.46" / 189.5 mm	10.08" / 256.0 mm	12.8" / 325.9 mm	12.8" / 325.9 mm
Weight	1.4 lbs. / 0.6 kg	3.9 lbs. / 1.8 kg	3.9 lbs. / 1.8 kg	7.0 lbs. / 3.2 kg	11.0 lbs. / 5.0 kg	14 lbs. / 6.35 kg
Certifications	UL 1480 pending, CE, RoHS	UL 2239	UL 1480 pending, 2239, CE, RoHS	UL 1480 pending, 2239, CE, RoHS	UL 1480 pending, 2239, CE, RoHS	UL 1480 pending, 2239, CE, RoHS

*RS31-EZ-T includes 20w transformer with 6 position terminal strip, and no transformer bypass. RS31-EZ is 8 ohm only with 2 position terminal strip.

HPi series

High-Power Speakers

Features // HPi

- Full-frequency dispersion
- BroadBeam®HP technology
- Hanging hardware included
- Fast-action wiring
- ZeroReflection™ enclosures
- Surface-mounting options

Applications // HPi

- Gymnasiums
- Shopping centers
- Airports
- Convention centers
- Warehouses

Powerful Performance with Visual Appeal // HPi

For applications requiring hanging speakers with higher output, SoundTube developed the HPi line of high-power speakers. Combining good looks with great sound, the HPi series is ideal for convention centers, airports, gyms, superstores, arenas, stadiums and other high-volume long-throw applications.

SoundTube designed the HPi series to sonically match the high-power speakers in the SM and CMI lines for installations that require a combination of hanging and mounted speakers. If your facility needs in-ceiling speakers above the bar, surface-mounted models around the patio, and hanging speakers over the lounge, SoundTube will deliver the same high-quality foreground audio throughout.

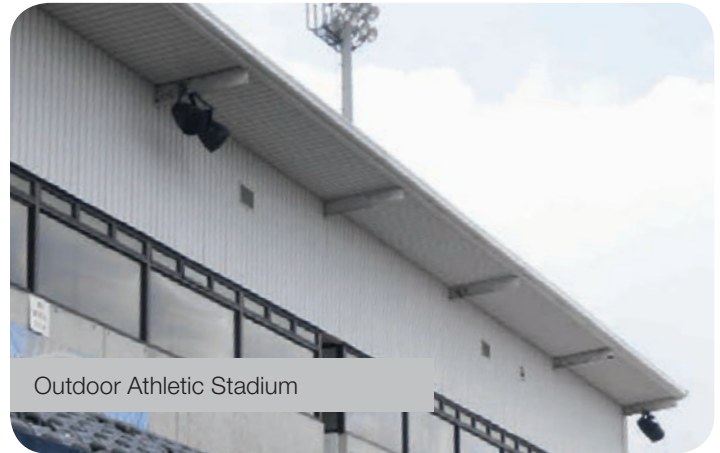
All HPi speakers are compliant with CE, WEEE, and RoHS regulations. Additionally, all HPi speakers except the HP590i are UL-listed.



Powerful Performance with Visual Appeal // HPI



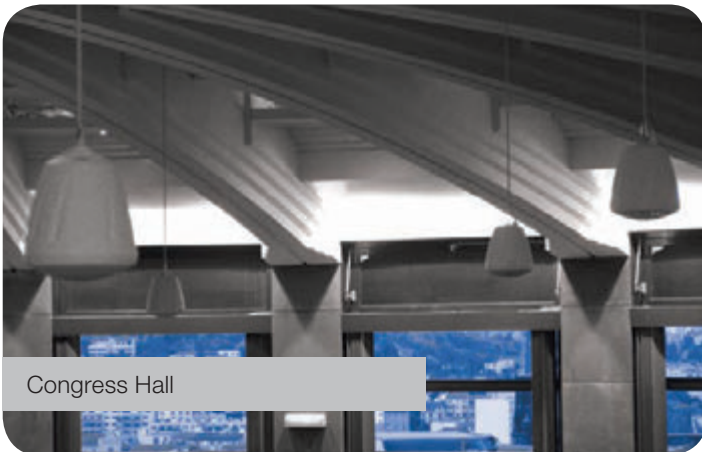
Warehouse



Outdoor Athletic Stadium



Reception Center



Congress Hall

HPi series

High-Power Speakers



Back side of compression driver

// Full-frequency dispersion

The hallmark of SoundTube's HPi speakers is full-frequency dispersion, made even more robust with SoundTube's revolutionary BroadBeamHP high-frequency dispersion technology.



// Hanging Hardware Included

Installation hardware, including adjustable hanging cables, safety cables and SpeedClamps, is packaged with each HPi speaker.



// ZeroReflection™ Enclosure

HPi enclosures are engineered to eliminate standing sound waves inside the cabinet for a better sound. Our glass fiber reinforced speaker cabinets produce intelligible sound in large open spaces while integrating with all types of architecture.



// Wiring Made Easy

Included with every HPi speaker is a four-pin Euroblock connector that speeds wiring, simplifies daisy-chaining of multiple speakers and allows for pre-wiring.



// Adjustable Output Levels

HPi products include an easy-access, front mounted, multi-position tap switch that allows installers to customize the intensity of each speaker's sound. And since all HPi speakers include transformers, they are adaptable to 25-, 70.7- and 100-volt as well as transformer bypass systems.

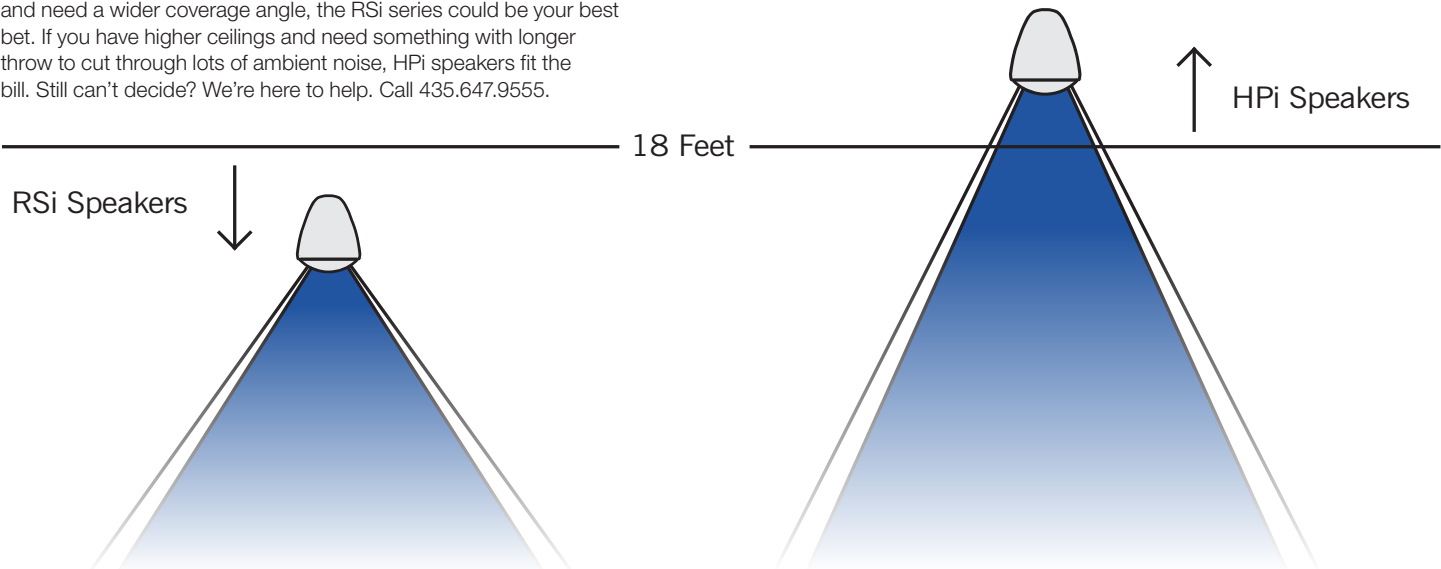


// Surface-Mounting Option

In addition to hanging in open-ceiling environments, HPi speakers can be surface-mounted with SoundTube's optional bracket.

// RSi vs. HPi

Need help deciding which line to choose? If you have lower ceilings and need a wider coverage angle, the RSi series could be your best bet. If you have higher ceilings and need something with longer throw to cut through lots of ambient noise, HPi speakers fit the bill. Still can't decide? We're here to help. Call 435.647.9555.



Powerful Performance with Visual Appeal 



	HP590i	HP890i	HP129a	HP1290i
System Type	5.25" Coax, High-SPL	8" Coax, High-SPL	12" Coax, High-SPL	12" Coax, High-SPL
Frequency Response (-3 dB)	95 Hz - 22 kHz	93 Hz - 22 kHz	118 Hz - 16 kHz	77 Hz - 19 kHz
Frequency Response (-10 dB)	69 Hz - 22 kHz	65 Hz - 22 kHz	73 Hz - 19 kHz	59 Hz - 22 kHz
Height	11.74" / 298.2 mm	17.23" / 437.6 mm	17.80" / 452.1 mm	22.80" / 579.1 mm
Diameter	9.68" / 245.9 mm	14.82" / 376.4 mm	18.00" / 457.2 mm	20.80" / 528.3 mm
Weight	9.5 lbs. / 4.3 kg	26.8 lbs. / 12.2 kg	36.0 lbs. / 16.4 kg	35.0 lbs. / 15.9 kg
Certifications	UL 2239, CE, RoHS, WEEE	UL 1480 & 2239, CE, RoHS, WEEE	UL 1480 & 2239, CE, RoHS, WEEE	UL 1480 & 2239, CE, RoHS, WEEE

LA series

Line Array Speakers



Line Array Column Loudspeaker // LA

The SoundTube LA880i is not a typical line array column loudspeaker. It is an advanced LAPS (Line Array-Point Source) 3-way design that provides a very short near-field extent and robust far-field performance. Frequency tapering of low and mid frequency pass bands allows the LA880i to maintain a more consistent ratio of array height to radiated wavelength, ensuring a stable vertical beamwidth that outperforms many other single box line arrays.

The LAPS technology in the LA880i makes the speaker's near-field shorter than most other line arrays. Because its effective line length is kept relatively constant as a function of frequency, the near-field to far-field transition occurs at only 3 meters from the speaker. Beyond this distance, there is no change in the frequency response or the directivity pattern of the speaker (40 x 120 degrees).

Featuring eight 4.5" woofers, eight 2" midrange drivers and one 2" planar magnetics (ribbon) high frequency driver for extremely smooth high frequency response, the LA880i achieves superb coverage in an enclosure measuring only 7.91" x 40.87" x 11.99". Numerous mounting options allow the use of the LA880i on walls, near ceilings, on poles, or suspended via cables.

Additional low frequency directivity can be achieved with the addition of the LA808i LFDE (Low Frequency Directivity Element). NOT a subwoofer, the LA808i adds eight 4.5" woofers to the system to extend the directivity control by up to an octave lower in frequency than with the LA880i alone. Its use is recommended in areas with a high reverberation time.

Features // LA

3-way line array featuring 8 low-frequency drivers, 8 midrange units, and a high power-handling ribbon tweeter

Constant directivity of 40x120 degrees with consistent frequency response throughout the coverage area

LAPS (Line Array-Point Source) technology provides near-field to far-field transition in only 3 meters

LA808i Low Frequency Directivity Element adds about an octave of directivity control to low frequencies

Multiple input options (Euroblock or Speakon connectors) with daisy-chaining capability



Not a Typical Line Array Column Speaker // LA

Applications // LA

The LA880i is ideal for PA and sound reinforcement applications wherever large groups of people may be present. Typical applications include large houses of worship, university lecture halls, transportation centers such as train platforms, and airport terminals. In highly reverberant situations, adding the LA808i LFDE will improve low frequency directivity in the space.

Custom Finishes // LA

SoundTube is partnering with sister company Induction Dynamics to produce handmade custom cabinetry for the LA880i and LA808i. Induction Dynamics' world class wood shop creates 100% Made in America cabinets in your choice of wood-grain, stain, or paint finish. Choose from 63 available grille cloth colors to make your Line Array a one-of-a-kind. Call our sales team for details and pricing.

Standard finishes are black or white textured paint (paintable to match customers' desired colors).



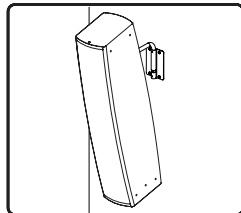
Example of Custom Finishes

LA series

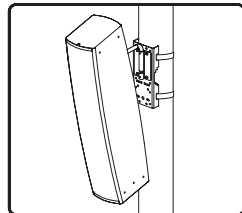
Line Array Speakers

Mounting options // LA

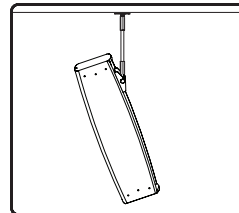
The LA880i may be flush-mounted to a wall, tilt-mounted near a ceiling, suspended from a ceiling, pole mounted or flown. Numerous mounting points are provided on the speaker for attachment of mounting hardware (hardware is sold separately and is also available through the manufacturer, Allen Products).



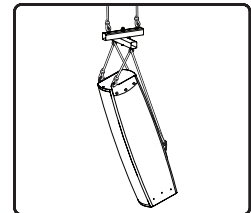
Surface mount



Pole mount



Ceiling mount



Fly mount



Double Unit Mounting Plate



Single Unit Mounting Plate

SoundTube mounting plates provide for attachment of wall mount / pole mount brackets, suspension cables, and the LA808i LFDE. The AC-LA8-BACK back plate is included with both line array products, and the AC-LA8-LINK side plates are included with the LA808i LFDE. The AC-LA8-FLY hanging adapter is available separately.

The LA808i LFDE must always be mounted directly above or below the LA880i. Attachment points are available at the top and bottom of both units for connecting the two via the side plates, then the pair can be mounted or flown as a single unit. It is also possible to mount a second LA808i either above or below the two units if additional low frequency directivity is desired.

Not a Typical Line Array Column Speaker



The LA880i uses eight 4.5" woofers, eight 2" midrange drivers and one 2.5" planar magnetics (ribbon) tweeter in an advanced design that provides a very short near-field extent and solid far-field performance.



	LA880i	LA 880i with LA808i
System Type	3-Way Full Range Line Array	Extended Low Frequency Directivity
Frequency Response (-3 dB)	71 Hz - 22 kHz	83 Hz - 22 kHz
Frequency Response (-10 dB)	58 Hz - 22 kHz	75 Hz - 22 kHz
Directivity Index	9.2 dB / 10.9 dB	12.6 dB / 11.0 dB
Height	40.87" / 1038mm	81.74" / 2076mm
Width	7.91" / 200.80mm	7.91" / 200.80mm
Depth	11.99" / 304.56mm	11.99" / 304.56mm
Weight	40.0lbs. / 18.2 kg	74.5lbs / 33.9 kg
Certifications	CE, RoHS, WEEE (UL Testing Planned)	CE, RoHS, WEEE (UL Testing Planned)

SM series

Surface-Mount Speakers

Features // SM

- Full-frequency dispersion
- Patented BroadBeam® technology
- Fast, easy installation
- Mounting hardware included
- All-weather durability
- ZeroReflection™ enclosures
- Precision aiming capability

Applications // SM

- Theme parks
- Restaurants
- Hotels
- Casinos
- Warehouses
- Retail
- Cruise ships

Installation Ease, Adjustability, Amazing Sound // SM

If you need big sound from your outdoor light pole or soft music in your café, SoundTube's SM series delivers crystal-clear audio from an inconspicuous surface-mounted location. Whether attached to a ceiling, wall or pole, SM speakers will deliver high-fidelity music and clearly intelligible announcements. Featuring simple, secure mounting mechanisms, the SM series is designed for easy, versatile installation.

SoundTube also offers the SM500i-II-WX, SM590i-II-WX and SM890i-WX which features WX Weather Guard technology. WX Weather Guard technology utilizes a dual layer hydrophobic material inside the speaker grille to keep water from the drivers and internal electronics in even the most extreme weather conditions. IP44 rating approved.

The SM series was engineered to produce big sound from a small speaker. From the inconspicuous SM400i to the powerful SM890i, SoundTube has a speaker for every surface-mount application.

All SM speakers are compliant with CE, WEEE, and RoHS regulations.

Installation Ease, Adjustability, Amazing Sound  SM



City Park



Church



Retail Storefront

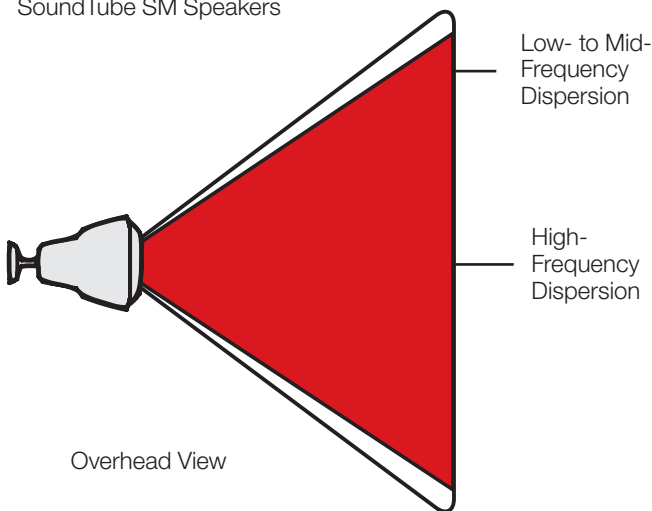
SM series

Surface-Mount Speakers

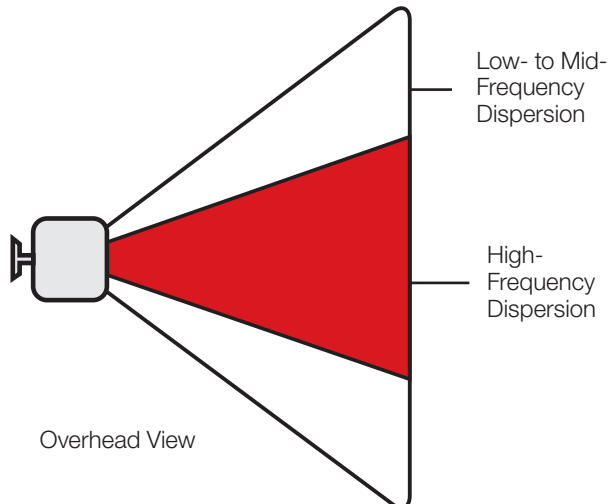
// Unparalleled Coverage

Quality coverage is the highlight of SoundTube products, and the SM series speakers are no exception. Their wide dispersion pattern results in exceptionally smooth, clear sound.

SoundTube SM Speakers



Conventional Surface-mount Speakers



// Full-frequency dispersion

The hallmark of SoundTube's SM speakers is full-frequency dispersion, made even more robust with SoundTube's revolutionary BroadBeam and BroadBeamHP high-frequency dispersion technology.



// Smaller Made Better

The SM400i is an ultra low-profile surface-mount speaker that includes an almost-invisible Stealth™ mounting bracket.



// Wiring Made Easy

Included with every SM speaker (except the SM31-EZ(-T)) is a fast-action, four-pin Euroblock connector that speeds wiring, simplifies daisy-chaining of multiple speakers and allows for pre-wiring.



// Adjustable Output Levels

SM products include an easy-access, multi-position tap switch that allows installers to customize the intensity of each speaker's sound. And since all SM speakers include built-in or optional transformers, they are adaptable to 25-, 70.7- and 100-volt as well as transformer bypass systems.



// All-Weather Durability

Ultra-durable construction with powder-coated aluminum, steel or stainless steel grilles and terminal weather boots allow for indoor or outdoor installation. WX grilles with weather guard technology, available on selected models, provide additional protection from water.



// Surface-Mount Options

SoundTube's SM mounting brackets allow for vertical and horizontal mounting applications, a pole mount adaptor is also built in to the bracket. In addition to the SM series, SoundTube's RSi and HPI speakers can be surface-mounted using their optional brackets.

Installation Ease, Adjustability, Amazing Sound 



	SM31-EZ(-T)	SM400i	SM500i-II	SM500i-II-WX	SM590i-II
System Type	3" Full-Range	4" Coax	5.25" Coax	5.25" Coax	5.25" Coax, High-SPL
Frequency Response (-3 dB)	170 Hz - 14 kHz	97 Hz - 22 kHz	86 Hz - 22 kHz	86 Hz - 22 kHz	100 Hz - 22 kHz
Frequency Response (-10 dB)	120 Hz - 22 kHz	76 Hz - 22 kHz	60 Hz - 22 kHz	60 Hz - 22 kHz	69 Hz - 22 kHz
Height	4.35" / 110.4 mm	9.68" / 246.0 mm	11.40" / 289.6 mm	11.40" / 289.6 mm	11.40" / 289.6 mm
Width	4.35" / 110.4 mm	6.97" / 177.0 mm	8.63" / 212.3 mm	8.63" / 212.3 mm	8.36" / 212.3 mm
Weight	1.4 lbs. / 0.6 kg	5.3 lbs. / 2.4 kg	9.5 lbs. / 4.3 kg	9.5 lbs. / 4.3 kg	9.5 lbs. / 4.3 kg
Certifications	UL 1480, CE, RoHS, WEEE	UL 1480, CE, RoHS, WEEE	CE, RoHS, WEEE (UL Testing Planned)	CE, RoHS, WEEE (UL Testing Planned)	CE, RoHS, WEEE (UL Testing Planned)



	SM590i-II-WX	SM890i	SM890i-WX	SM82-EZ	SM1001p
System Type	5.25" Coax, High-SPL	8" Offset, High-SPL	8" Offset, High-SPL	8" Offset	10" Powered Sub
Frequency Response (-3 dB)	100 Hz - 22 kHz	88 Hz - 22 kHz	105 Hz - 22 kHz	80 Hz - 22 kHz	42 Hz - 110 Hz
Frequency Response (-10 dB)	69 Hz - 22 kHz	64 Hz - 22 kHz	80 Hz - 22 kHz	58 Hz - 22 kHz	35 Hz - 224 Hz
Height	11.40" / 289.6 mm	18.78" / 477.0 mm	18.78" / 477.0 mm	18.78" / 477.0 mm	15.50" / 393.4 mm
Width	8.36" / 212.3 mm	11.65" / 295.9 mm	11.65" / 295.9 mm	11.65" / 295.9 mm	24.59" / 624.6 mm
Weight	9.5 lbs. / 4.3 kg	21.0 lbs. / 9.5 kg	21.0 lbs. / 9.5 kg	18.0 lbs. / 8.2 kg	30.0 lbs. / 13.6 kg
Certifications	CE, RoHS, WEEE (UL Testing Planned)	UL 1480, CE, RoHS, WEEE	UL 1480, CE, RoHS, WEEE	CE, RoHS, WEEE (UL Testing Planned)	CE, RoHS, WEEE

IW series

In-Wall Speakers



Features // IW

- Full-frequency dispersion
- High output capability
- Rapid and secure installation
- UL-listed steel enclosure
- Mounting hardware included

Applications // IW

- Houses of worship
- Corporate boardrooms
- Retail
- Educational facilities
- Museums
- Government facilities
- Hotels / condos

High-Quality Audio in an Unobtrusive Design // IW

Offering high-quality audio in an unobtrusive in-wall design, SoundTube's paintable IW speakers are an ideal audio solution in conference rooms, offices, medical facilities, schools, hotels, houses of worship, retail stores and restaurants. The included paint mask makes custom painting easy.



Hotel Lobby

High-Quality Audio in an Unobtrusive Design 



	IW31-EZ	IW500b
System Type	3" Full-Range	5.25" Coax
Frequency Response (-3 dB)	190 Hz - 14 kHz	140 Hz - 22 kHz
Frequency Response (-10 dB)	115 Hz - 22 kHz	69 Hz - 22 kHz
Height	5.00" / 127.0 mm	11.84" / 300.7 mm
Depth	3.50" / 88.9 mm	3.90" / 99.1 mm
Width	5.00" / 127.0 mm	8.64" / 219.5 mm
Weight	3.0 lbs. / 1.4 kg	8.9 lbs. / 4.0 kg
Optional Grilles	Theft resistant stainless steel grille (AC-IW31-TRG)	N/A
Certifications	UL 1480 & 2043, CE, RoHS, WEEE	UL 1480 (Back box), CE, RoHS, WEEE

IP series

IP Addressable Speakers



Powerful, IP-addressable speaker system // IP

The SoundTube STNet system is an IP-addressable speaker system with proprietary 40 watts PoE (Power over Ethernet) to each of its speakers. The system includes a rack mountable 16-port switch, rack mountable power supply, and in-ceiling and surface-mount PoE-powered speakers. In addition to the 16 Ethernet ports, the STNet-switch includes two gigabit ports to connect control DSP's and CobraNet® enabled input devices and is also used for linking additional switches. Also, a WAN port is provided for integration with an outside network. An outside network is the gateway for email status reporting and STNet system setup.

Using the CobraNet audio standard as its backbone, the system allows each SoundTube speaker on the network to be powered, controlled and receive the digital audio signal via its Ethernet cable. Set up and equalization can be done individually or as a group. Each speaker can receive different audio signals and is continuously monitored by the system to provide report-back status to the main control point. Any failure in the speaker will immediately trigger an alarm (either visible, audible or both), and the system can be configured to send an e-mail message to the installer or end user detailing the status of the system. The STNet-switch and speakers are compatible with all other CobraNet-enabled control systems.

Features // IP

Proprietary 40 watts power, signal and control over Ethernet to each speaker

Continuous monitoring with alarm and e-mail reporting of problems

Compatible with any CobraNet-enabled system

Includes ST-NET switch, power supply and selected in-ceiling and surface-mount speakers

Easy system wiring with Cat5 or Cat6 between the switch, the speakers and all other endpoints

Each speaker can be individually EQ'd and calibrated

Pending UL and CE certification

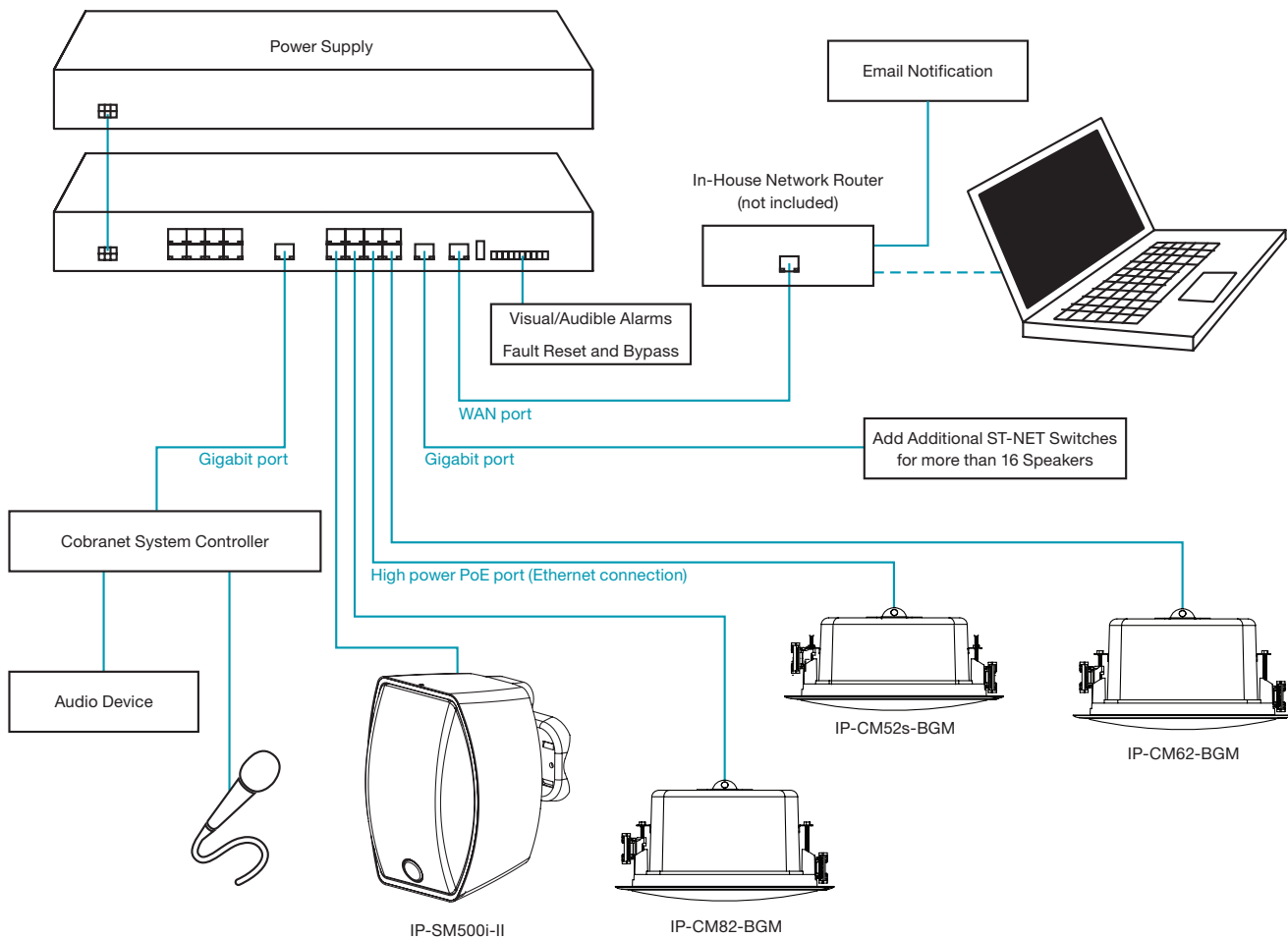
Powerful, Self-Monitoring PoE Speaker System // IP



STNet Switch Front Panel



STNet Switch Rear Panel

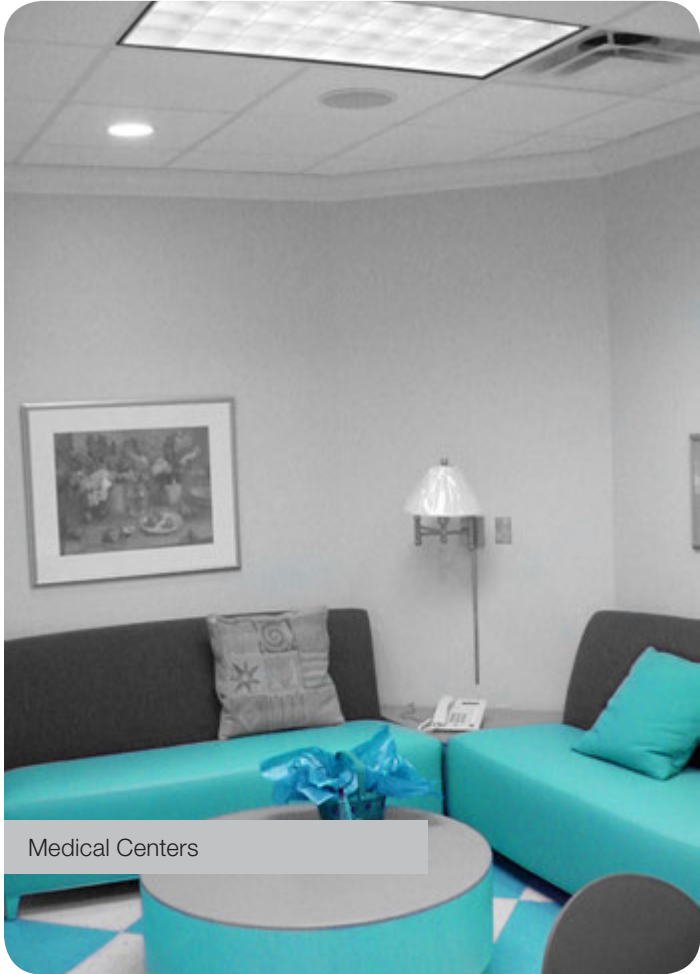


IP series

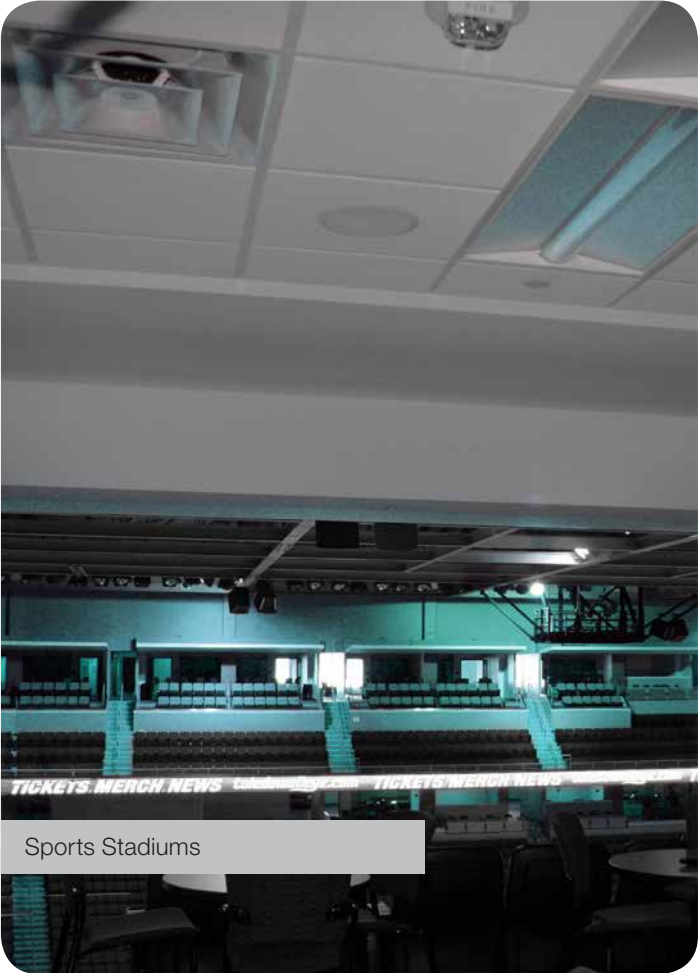
IP Addressable Speakers



Airports



Medical Centers



Sports Stadiums



Retail Stores

Powerful, Self-Monitoring PoE Speaker System // IP



	STNet Switch*
System Type	16-Port 40 W PoE Switch
Power	110-240 VAC, 50/60 Hz
Relay I/O	Audible Alarm, Visible Alarm, Reset
Height	1.75" / 44.5 mm
Width	17" / 431.8 mm
Depth	9.75" / 247.7 mm
Weight	6.75 lbs. / 3.1 kg
Certifications	UL 60065, CB

	IP-SM500i-II*
System Type	5.25" Coax
Frequency Response (-3 dB)	86 Hz - 22 kHz
Frequency Response (-10 dB)	60 Hz - 22 kHz
Height	11.40" / 289.6 mm
Width	8.36" / 212.3 mm
Weight	9.5 lbs. / 4.3 kg
Certifications	UL 60065, CB



	IP-CM52-BGM*	IP-CM52s-BGM*	IP-CM62-BGM*	IP-CM82-BGM*
System Type	5.25" Coax	5.25" Coax	6.5" Coax	8" Coax
Frequency Response (-3 dB)	90 Hz - 20 kHz	105 Hz - 20 kHz	80 Hz - 20 kHz	70 Hz - 18 kHz
Frequency Response (-10 dB)	65 Hz - 22 kHz	80 Hz - 22 kHz	60 Hz - 22 kHz	55 Hz - 22 kHz
Height	5.75" / 146.1 mm	3.75" / 95.3 mm	5.75" / 146.1 mm	8" / 203.2 mm
Visible Diameter	11.75" / 298.5 mm	11.75" / 298.5 mm	11.75" / 298.5 mm	11.75" / 298.5 mm
Weight	8 lbs. / 3.6 kg	7 lbs. / 3.2 kg	8 lbs. / 3.6 kg	9 lbs. / 4.1 kg
Certifications	UL 60065, CB	UL 60065, CB	UL 60065, CB	UL 60065, CB

Tile Bridge and Pre Construction Bracket Key



IP-CM52-BGM / IP-CM52s-BGM
IP-CM62-BGM / IP-CM82-BGM

* Preliminary data

CMi series

In-Ceiling Speakers

Features // CMi

- Full-frequency dispersion
- Patented BroadBeam® technology
- High output capabilities
- Mounting hardware included
- Fast-action wiring
- Easy mounting grilles

Applications // CMi

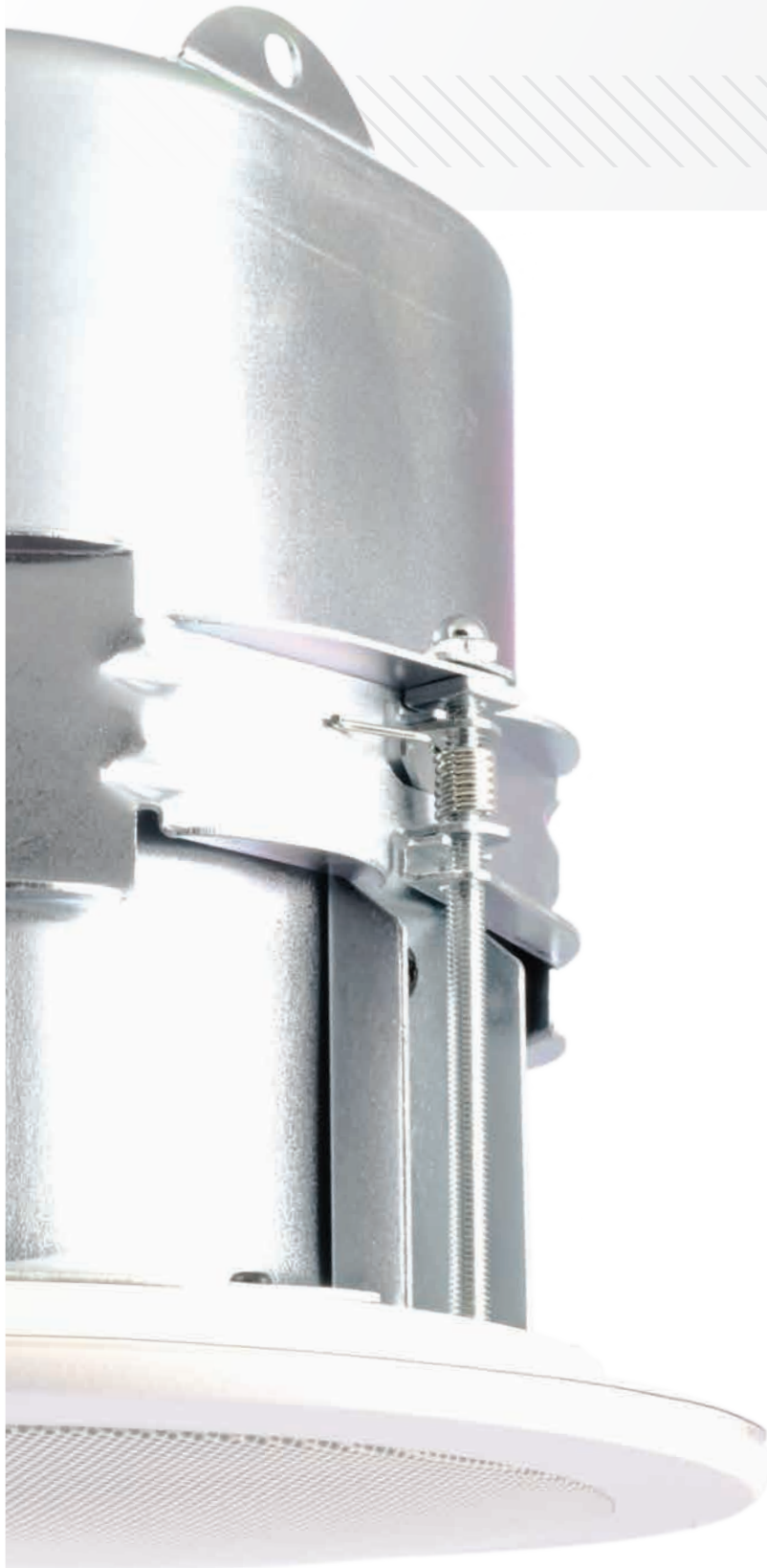
- Airports
- Education
- Shopping centers
- Hotels
- Convention centers
- Restaurants
- Casinos

Installation Ease, High-Performance Sound // CMi

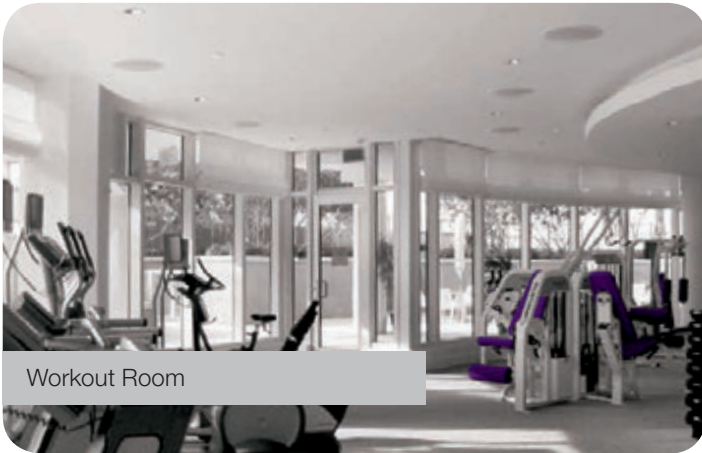
Designed for the most demanding in-ceiling applications, SoundTube's CMi series was engineered for both paging and background or foreground music. This versatility is due to the CMi speakers' heavy-duty components and high-power-handling capabilities. Higher power through robust woofers produces a richer bass response while BroadBeam tweeters distribute high frequencies over a wider area.

The result is powerful sound for both music and paging. Whether your restaurant needs louder music in the bar area or your office needs clearer PA announcements, the CMi series has an in-ceiling speaker to meet your needs.

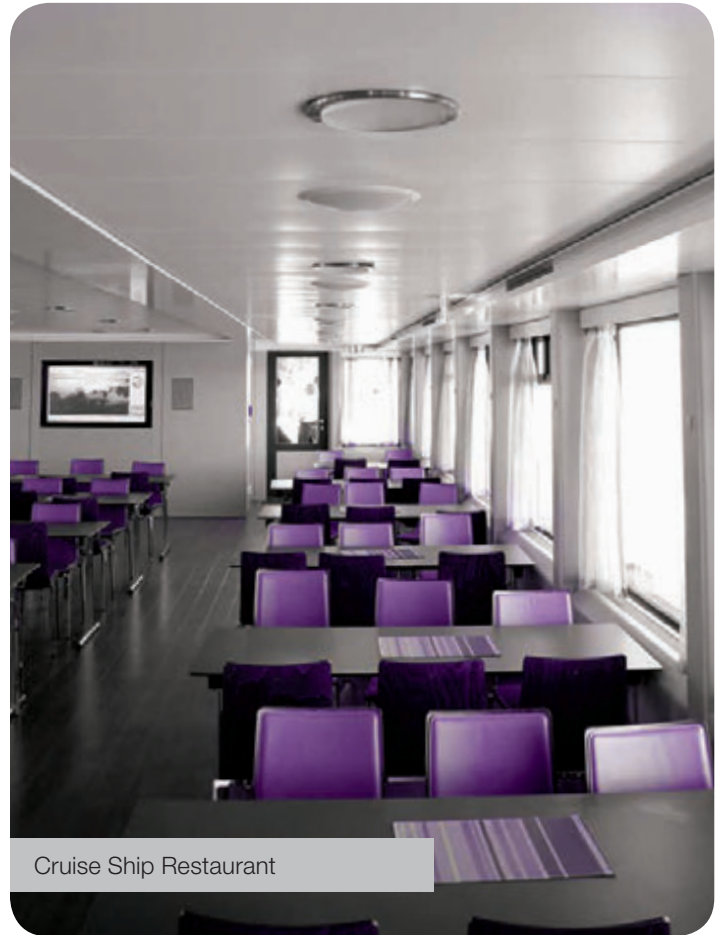
All CMi speakers are compliant with CE, WEEE, and RoHS regulations. Additionally, all CMi speakers except the CM590i are UL-listed.



Installation Ease, High-Performance Sound // CMI



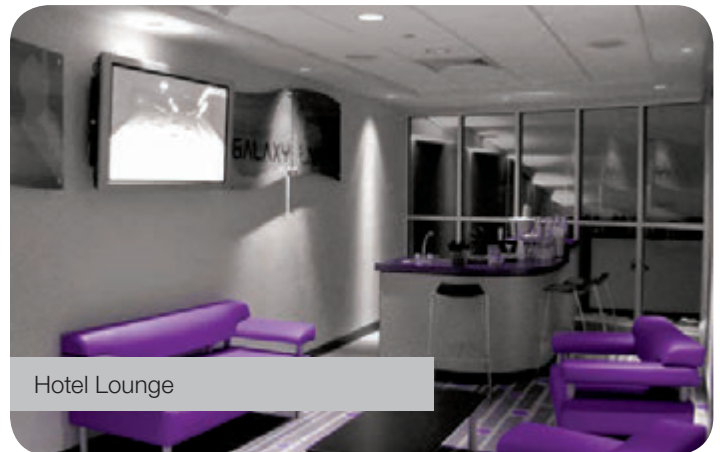
Workout Room



Cruise Ship Restaurant



Clothing Store



Hotel Lounge

CMi series

In-Ceiling Speakers



// CM1001d-T In-Ceiling Subwoofer

Finally, an in-ceiling subwoofer that “woofs.” The CM1001d-T consists of a 10” woofer mounted in a 12.46” deep steel backcan with a 150 watt transformer. The CM1001d-T is a perfect complement to the CMi series when that added low end is needed.



// System Compatibility

SoundTube’s CMi speakers are designed to sonically match our RSi and SMi speakers for applications requiring a combination of hanging and mounted speakers.



// Full-Frequency Dispersion

The hallmark of SoundTube’s CMi speakers is full-frequency dispersion, made even more robust with SoundTube’s revolutionary BroadBeam constant-directivity technology.



// BroadBeam®HP

For applications requiring high power with crystal-clear intelligibility, SoundTube offers 5.25”, 6.5” and 8” high-SPL models. These high-output models include dedicated high-sensitivity woofers and 1.36” compression drivers.

Back side of compression driver



// Wiring Made Easy

Included with every CMi speaker is a four-pin Euroblock connector that speeds wiring, simplifies daisy-chaining of multiple speakers and allows for pre-wiring.

// Comparison of CMi and CM-EZ Models

SoundTube’s CMi speakers incorporate our patented BroadBeam technology. For longer-throw applications, model numbers with a *90i use BroadBeamHP. CM-EZ models do not offer BroadBeam technology but are an economical solution for many applications.

	CMi	CM*90i	CM-EZ
Superior Coverage	●	◐	○
High SPL	◐	●	○
Quick Installation	●	●	●
Outstanding Sound Quality for Music	●	◐	○
Great Sound from High Ceilings (20' +)	◐	●	○
Clarity Over High Ambient Noise	◐	●	○
Euro Block Connector	●	●	
Division of Labor Convenience	●	●	●
High Sensitivity	◐	●	◐
Magnetic Grilles	●	●	
Economical Solutions	○	○	●
Shallow Backcans			●

○ - Good ◐ - Better ● - Best



// Adjustable Output Levels

CMi products include an easy-access, front mounted, multi-position tap switch that allows installers to customize the intensity of each speaker’s sound. And since all CMi speakers include transformers, they are adaptable to 25-, 70.7- and 100-volt as well as having a transformer bypass.



// Rapid-Installation Features

Rapid-installation features include metal SpeedWing™ constant-tension mounting, tile bridge, magnetic grille and bezel, and paint mask—all packaged with each speaker. Accessories include a pre-construction bracket and junction box for division-of-labor applications.



// Tile Bridge and PCB

SoundTube supplies a full one-piece tile bridge with all in-ceiling speakers. A one-piece PCB (pre construction bracket) can also be purchased separately. Each tile bridge and PCB is color-coded for identification. (See key at bottom of next page)

Installation Ease, High-Performance Sound // CMi



	CM400i	CM500i	CM600i	CM690i
System Type	4" Coax	5.25" Coax	6.5" Coax	6.5" Coax, High-SPL
Frequency Response (-3 dB)	90 Hz - 22 kHz	75 Hz - 22 kHz	69 Hz - 22 kHz	73 Hz - 22 kHz
Frequency Response (-10 dB)	75 Hz - 22 kHz	55 Hz - 22 kHz	52 Hz - 22 kHz	62 Hz - 22 kHz
Backcan Height	6.55" / 166.4 mm	7.75" / 196.9 mm	7.94" / 201.7 mm	7.94" / 201.7 mm
Diameter	8.15" / 207.0 mm	10.71" / 272.0 mm	14.76" / 374.9 mm	14.76" / 374.9 mm
Weight	5.5 lbs. / 2.5 kg	7.5 lbs. / 3.4 kg	10.1 lbs. / 4.6 kg	12.8 lbs. / 5.8 kg
Certifications	UL 1480 & 2043, CE, RoHS, WEEE	UL 1480 & 2043, CE, RoHS, WEEE	UL 1480 & 2043, CE, RoHS, WEEE	UL 1480 & 2043, CE, RoHS, WEEE



	CM800i	CM800d	CM890i	CM890d	CM1001d-T
System Type	8" Coax	8" Coax	8" Coax, High-SPL	8" Coax, High-SPL	10" Sub
Frequency Response (-3 dB)	97 Hz - 22 kHz	73 Hz - 22 kHz	80 Hz - 22 kHz	77 Hz - 22 kHz	55 Hz - 118 Hz
Frequency Response (-10 dB)	71 Hz - 22 kHz	56 Hz - 22 kHz	62 Hz - 22 kHz	61 Hz - 22 kHz	41 Hz - 224 Hz
Backcan Height	7.94" / 201.7 mm	12.46" / 316.5 mm	7.94" / 201.7 mm	12.46" / 316.5 mm	12.46" / 316.5 mm
Diameter	14.76" / 374.9 mm	14.76" / 374.9 mm	14.76" / 374.9 mm	14.76" / 374.9 mm	14.76" / 374.9 mm
Weight	12.5 lbs. / 5.7 kg	18.8 lbs. / 8.5 kg	14.3 lbs. / 6.5 kg	23.9 lbs. / 10.9 kg	27.0 lbs. / 12.3 kg
Certifications	UL 1480 & 2043, CE, RoHS, WEEE	UL 1480 & 2043, CE, RoHS, WEEE	UL 1480 & 2043, CE, RoHS, WEEE	UL 1480 & 2043, CE, RoHS, WEEE	UL 1480 & 2043, CE, RoHS, WEEE

Tile Bridge and Pre Construction Bracket Key



CM400i



CM500i



CM600i / CM690i / CM800i / CM800-D
CM890i / CM890-D / CM1001-D

CM-EZ series

Economy In-Ceiling Speakers



Features // CM-EZ

- High intelligibility
- High efficiency
- Lower cost
- Easy installation
- Available in short can depths
- Mounting hardware included

Applications // CM-EZ

- Education
- Airports
- Hospitals
- Office buildings
- Casinos
- Restaurants

Speech Intelligibility and Value // CM-EZ

For crystal-clear PA announcements, look no further than SoundTube's CM-EZ series. Engineered for better voice intelligibility and greater efficiency, the CM-EZ line is ideal for hospitals, schools, museums, offices, airports, and anywhere else vocal announcements are a top priority.

Shallow backcans (as short as 3.5") allow many of SoundTube's CM-EZ speakers to fit into cramped plenum spaces where most speakers wouldn't fit. Rated at 16 ohms (except the CM-EZ-II and CM31-EZ, which are 8 ohms), the CM-EZ line can produce high volume with low power, reducing operating costs and your carbon footprint. All speakers in the CM-EZ line are RoHS- and WEEE-compliant, CE-approved and UL-listed.

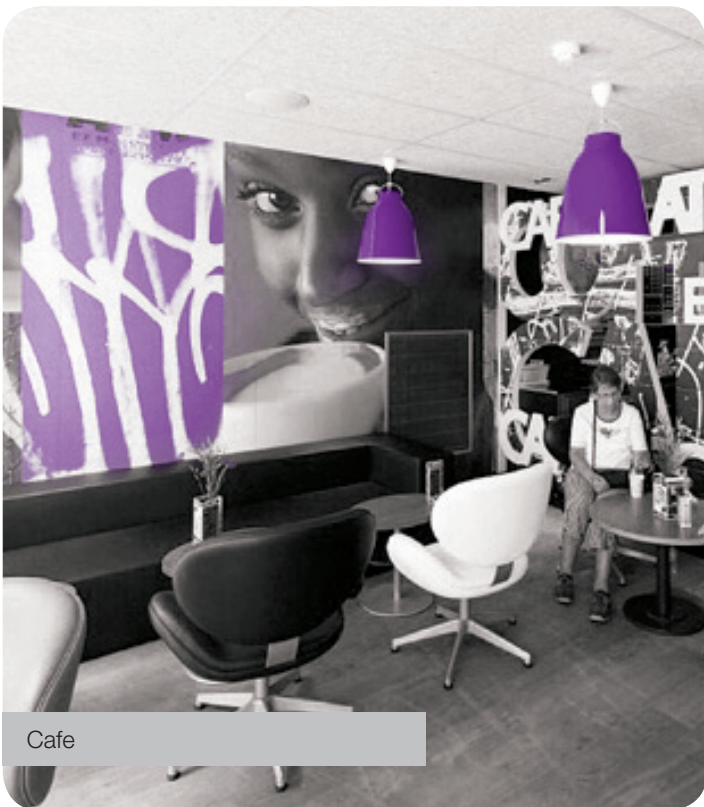
Speech Intelligibility and Value // CM-EZ



Convention Center Lobby



Restaurant



Cafe



Restroom

CM-EZ series

Economy In-Ceiling Speakers



// Crystal-Clear Intelligibility

Engineered for paging, safety and background music applications, the engineering directive for the CM-EZ line was to mate true intelligibility with high output and multiple installation options.

// CM-EZ Short Can Speakers

Over time, ceiling space has begun to shrink. With this being the case, traditional in-ceiling speakers just don't fit in certain spaces anymore. To address this problem, SoundTube engineers developed a short can in-ceiling speaker. To this day, SoundTube is the only speaker manufacturer that offers a 4", 6.5" and 8" in-ceiling speaker with a short backcan. With a backcan depth of only 3.75" / 95.3 mm (3.5" / 89.0 mm installed depth), there are no limitations when it comes to ceiling space.

// CM89-EZ Long-Throw In-Ceiling Speaker

In response to customer requests for an economical long-throw, in-ceiling speaker, we have developed the CM89-EZ. The CM89-EZ is a value-priced 8" coaxial speaker designed for installation in high ceilings. This long-throw, high sensitivity speaker includes an 8" woofer and a 1" titanium dome tweeter mounted in a specially designed 75° waveguide. The CM89-EZ is well suited for installations requiring high output from an in-ceiling speaker and is ideal for large spaces such as classrooms, hotel ballrooms or office buildings. The entire CM-EZ series is engineered for installations where high-efficiency, added speech intelligibility and rapid installation are critical attributes.

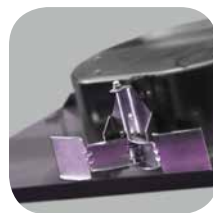
// CM-EZ Fire Signaling Speakers

Our CM-EZ-FS speakers have been developed specifically for fire signaling applications. The CM82-EZ-FS and CM82-EZs-FS speakers meet UL 1480 UUMW requirements for fire protection signaling and come with integrated steel backcans for compliance with UL 2043 plenum standards.

The speakers incorporate an 8-inch polypropylene woofer with butyl rubber surround and a 1-inch silk tweeter, providing superior voice intelligibility with an average coverage angle of 95 degrees (2 to 10 kHz). A 10 μ F capacitor is included on the input circuit for use with DC supervision systems, and a 10W transformer is included in each unit.

The speakers are installed via a constant-tension, fixed-wing mounting system (SpeedWing™), like the rest of our in-ceiling models. The FS speakers are available in both 3.5" short-can and standard (5.75") backcan depths.

Integrators can now cover all in-ceiling speaker needs, including emergency notification, with superb audio performance.



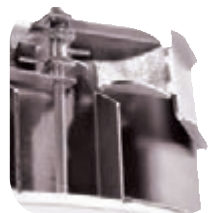
// Rapid-Installation Features

Rapid-installation features include metal SpeedWing™ constant-tension mounting, tile bridge and paint mask—all packaged with each speaker. Optional accessories include a pre-construction bracket and junction box for division-of-labor applications.



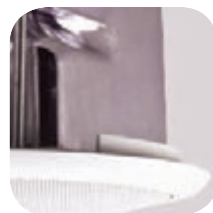
// Adjustable Output Levels

CM-EZ products include an easy-access, multi-position tap switch that allows installers to customize the intensity of each speaker's sound. And since all CM-EZ speakers include transformers, they are adaptable to 25-, 70.7- and 100-volt as well as transformer bypass systems.



// Versatile Installation Options

CM-EZ speakers include installation options for single or double drywall applications, shallow plenum spaces or standard installations in drop-tile ceilings.



// CM31-EZ

When a small footprint ceiling speaker is needed for confined areas or in "huddle" rooms, the CM31-EZ is the ideal solution.



// Ceramic Input Terminal Strip

Ceramic input terminal accepts up to 10 gauge plenum rated signal wire and includes thermal fuse. Suitable for use in voice alarm applications subject to EU regulations EN60849 and BS5839-8.



// Tile Bridge and PCB

SoundTube supplies a full one-piece tile bridge with all in-ceiling speakers. A one-piece PCB (pre construction bracket) can also be purchased separately. Each tile bridge and PCB is color-coded for identification. (See key at bottom of next page)

Speech Intelligibility and Value // CM-EZ



	CM-EZ-II	CM31-EZ	CM42-EZs-II	CM62-EZ-II	CM62-EZs-II
System Type	8" Coax, Snap-Cam Mounting	3" Full-Range	4" Coax	6.5" Coax	6.5" Coax
Frequency Response (-3 dB)	73 Hz - 19 kHz	140 Hz - 12 kHz	160 Hz - 20 kHz	125 Hz - 20 kHz	135 Hz - 22 kHz
Frequency Response (-10 dB)	54 Hz - 22 kHz	100 Hz - 18 kHz	125 Hz - 22 kHz	65 Hz - 22 kHz	75 Hz - 22 kHz
Backcan Height	7.5" / 190.5 mm	3.5" / 88.9 mm	3.75" / 95.3 mm	5.75" / 146.1 mm	3.75" / 95.3 mm
Diameter	10.75" / 273.1 mm	6.3" / 160.0 mm	7.5" / 190.5 mm	11.75" / 298.5 mm	11.75" / 298.5 mm
Weight	7.0 lbs. / 3.2 kg	3.1 lbs. / 1.4 kg	4.0 lbs. / 1.8 kg	8.0 lbs. / 3.6 kg	7.0 lbs. / 3.2 kg
Certifications	UL 1480 & 2043, CE, RoHS, WEEE	UL 1480 & 2043, CE, RoHS, WEEE	UL 1480 & 2043, CE, RoHS, WEEE	UL 1480 & 2043, CE, RoHS, WEEE	UL 1480 & 2043, CE, RoHS, WEEE



	CM82-EZ-II	CM82-EZs-II	CM82-EZ-FS*	CM82-EZs-FS*	CM89-EZ*
System Type	8" Coax	8" Coax	8" Coax	8" Coax	8" Coax
Frequency Response (-3 dB)	92 Hz - 18 kHz	109 Hz - 18 kHz	92 Hz - 18 kHz	92 Hz - 18 kHz	119 Hz - 22 kHz
Frequency Response (-10 dB)	65 Hz - 22 kHz	82 Hz - 22 kHz	65 Hz - 22 kHz	65 Hz - 22 kHz	91 Hz - 22 kHz
Backcan Height	5.75" / 146.1 mm	3.75" / 95.3 mm	5.75" / 146.1 mm	5.75" / 146.1 mm	8" / 203.2 mm
Diameter	11.75" / 298.5 mm	11.75" / 298.5 mm	11.75" / 298.5 mm	11.75" / 298.5 mm	11.75" / 298.5 mm
Weight	9.0 lbs. / 4.1 kg	7.0 lbs. / 3.2 kg	9.0 lbs. / 4.1 kg	9.0 lbs. / 4.1 kg	9.0 lbs. / 4.1 kg
Certifications	UL 1480 & 2043, CE, RoHS, WEEE	UL 1480 & 2043, CE, RoHS, WEEE	UL 1480 UUMW & 2043, CE, RoHS, WEEE	UL 1480 UUMW & 2043, CE, RoHS, WEEE	UL 1480 and 2043 Pending, CE, RoHS,

Tile Bridge and Pre Construction Bracket Key

- LIME GREEN CM-EZ-II
- PINK CM31-EZ
- ORANGE CM42-EZs
- GREEN CM62-EZ-II / CM62-EZs-II / CM82-EZ-II / CM82-EZs-II / CM89-EZ / CM82-EZ-FS / CM82-EZs-FS

* Preliminary data

CM-BGM series

Background Music Speakers



Features // CM-BGM

BroadBeam Ring tweeter for wider dispersion

Constant-tension SpeedWing™ all-metal mounting system

Color-coded tile bridge included

5" model available in standard (5.75") and short can (3.5") depths

Deeper frequency response for a broader sound stage

Applications // CM-BGM

Retail

Restaurants

Casinos

Shopping centers

Offices

Hotels

High-Quality Audio from a Value Speaker // CM-BGM

Engineered specifically for background music applications where additional low end response is needed, CM-EZ-BGM speakers offer integrators reduced amplification costs with high efficiency; a tuned port provides additional low-end response. CM-BGM speakers may be ordered in 5.25", 6.5" and 8" sizes plus a low profile 5.25" with a mounting depth of only 3.75" when ceiling height is minimal; a six position tap switch allows for 25, 70.7 and 100 volt applications with a 16 Ohm by-pass.

Big Sound for a Small Price // CM-BGM



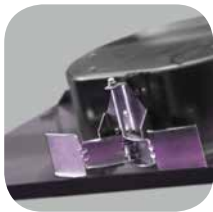
Hotel Lobby



Restaurant

CM-BGM series

Background Music Speakers



// Rapid-Installation Features

Rapid-installation features include metal SpeedWing™ constant-tension mounting, tile bridge, magnetic grille and bezel, and paint mask—all packaged with each speaker. Accessories include a pre-construction bracket and junction box for division-of-labor applications.



// Wide Full-Frequency Dispersion

BroadBeam Ring™ technology, another invention from our R&D team, is an economical method of ensuring that high-frequency dispersion closely matches that of the low frequencies in CM-EZ speakers.



// Ceramic Input Terminal Strip

Ceramic input terminal accepts up to 10 gauge plenum rated signal wire and includes thermal fuse. Suitable for use in voice alarm applications subject to EU regulations EN60849 and BS5839-8.



// Tile Bridge and PCB

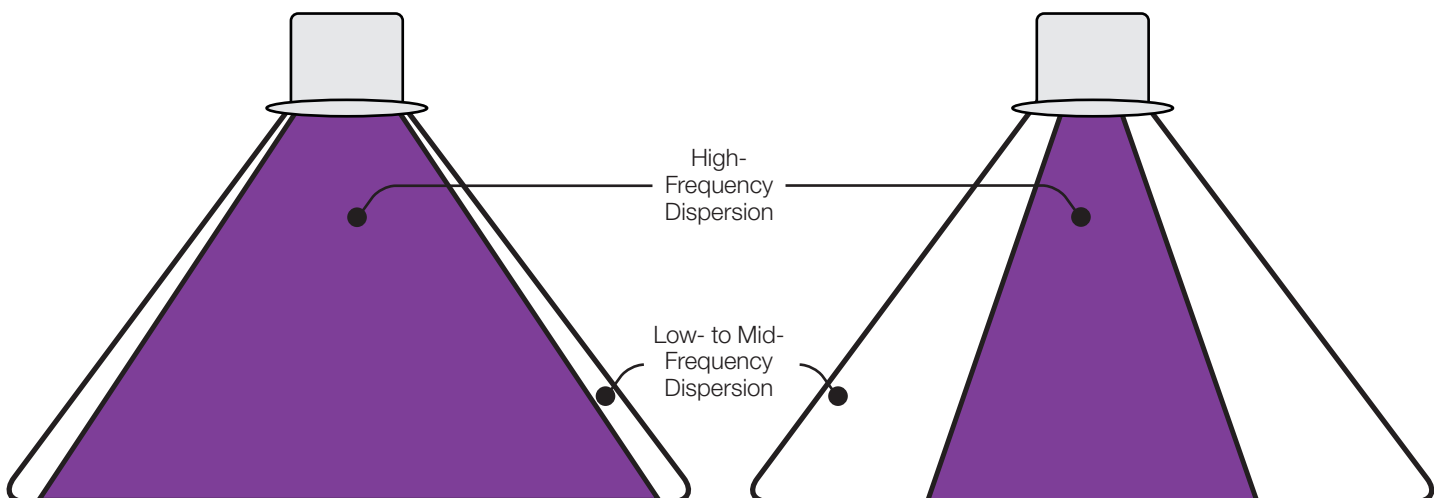
SoundTube supplies a full one-piece tile bridge with all in-ceiling speakers. A one-piece PCB (pre construction bracket) can also be purchased separately. Each tile bridge and PCB is color-coded for identification. (See key at bottom of this page)

// Unparalleled Coverage

Quality coverage is the highlight of SoundTube products, and the SM series speakers are no exception. Their wide dispersion pattern results in exceptionally smooth, clear sound.

SoundTube CM Speakers

Conventional In-Ceiling Speakers



Big Sound for a Small Price  CM-BGM



	CM52-BGM*	CM52s-BGM*	CM62-BGM*	CM82-BGM*
System Type	5.25" Coax	5.25" Coax	6.5" Coax	8" Coax
Frequency Response (-3 dB)	90 Hz - 20 kHz	105 Hz - 20 kHz	80 Hz - 20 kHz	70 Hz - 18 kHz
Frequency Response (-10 dB)	65 Hz - 22 kHz	80 Hz - 22 kHz	60 Hz - 22 kHz	55 Hz - 22 kHz
Backcan Height	5.75" / 146.1 mm	3.75" / 95.3 mm	5.75" / 146.1 mm	8" / 203.2 mm
Visible Diameter	11.75" / 298.5 mm	11.75" / 298.5 mm	11.75" / 298.5 mm	11.75" / 298.5 mm
Weight	8 lbs. / 3.6 kg	7 lbs. / 3.2 kg	8 lbs. / 3.6 kg	9 lbs. / 4.1 kg
Certifications	UL 1480 & 2043	UL 1480 & 2043	UL 1480 & 2043	UL 1480 & 2043

Tile Bridge and Pre Construction Bracket Key



CM52-BGM / CM52s-BGM
CM62-BGM / CM82-BGM

* Preliminary data

SA series

Compact Amplifiers



Features // SA

- 20 or 50 watt stereo output
- Aluminum housing
- Integrated heat sink
- Flexible power inputs
- Flexible audio inputs
- Flexible mounting options
- External power supply available

Applications // SA

- Retail kiosks
- Digital signage with sound
- Classrooms
- Meeting rooms
- Museums
- Portable A/V carts

Amplification Where You Need It // SA

Compact and cost-effective, SA amplifiers are perfect for any application requiring a small amplifier to boost a limited-source output (e.g. computers, A/V projectors, mp3 players, etc.). Common applications include education, P.O.P. displays, digital signage, museum displays, trade show booths, and PA systems. In addition to line level inputs, SA amplifiers can accept an amplified signal from an LCD monitor or projector.

Amplification Where You Need It // SA



// Ultra-Compact

SA Amplifiers are some of the smallest on the market, perfect for applications where local amplification is more cost-effective than long runs of expensive copper.



// 12 V Trigger

SA amplifiers can be integrated with a projector, video monitor, or other external device that "triggers" the amplifier to turn on and off. The 12-volt trigger makes operation simple, as audio will automatically be engaged.



// Mounting Hardware Included

All necessary hardware is included for surface- and pole-mount installations, which help deter theft. Optional rack-mount adaptors are also available.



// High-Pass Filter or Full Range

SA amplifiers feature a selectable high-pass filter for use with small speakers. By cutting the very low frequencies, distortion is minimized while SPL and intelligibility are increased.



// SA502: Input/Output Options

The SA502 input options include balanced dual-input Euroblock, unbalanced line level mini jack, and a high level (amplified) Euroblock input for applications with low wattage speaker outputs. The amplifier offers three operating modes: stereo, dual mono, or bridged mono.



// SA502 Volume Controls

The SA502 2 channel, 50 watt per channel, class D amplifier offers dual concentric volume controls making it easier to control the volume of specific zones in mono mode.



	SA202	SA502
Power Per Channel @ < 10% THD	20 W (4 Ω stereo) 10 W (8 Ω stereo)	55 W (8 Ω) 2 x 70 W (4 Ω)
Power per channel @ < 1% THD	15 W (4 Ω stereo) 8 W (8 Ω stereo)	50 W (8 Ω) 65 W (4 Ω)
Bridged mono power @ < 1% THD	N/A	90 W (4 Ω)
Signal to Noise Ratio	92 dB (100 Hz, 12 dB/oct, 4 Ω , A-Weighted)	> 83 dB (50 W)
Input Impedance	6 k Ω	47 k Ω (line level)
Max. Gain	35 dB	34 dB (8 Ω)
Height	1.23" / 31.2 mm	1.2" / 30.5 mm
Width	3.98" / 101.1 mm	3.9" / 99.1 mm
Weight (amp only)	0.55 lbs. / 0.25 kg	0.56 lbs. / 0.26 kg
Certifications	CE, ROHS	UL 60065, CE, ROHS

RF series

Raw-Frame Speakers



Features *RF*

- Superior intelligibility
- High efficiency
- Fits industry standard back boxes
- Easy wiring and setup
- Simple retrofitting capability
- Ability to mount in a two-gang junction box

Applications *RF*

- Airports
- Convention centers
- Gymnasiums
- Hotels
- Shopping centers
- Educational facilities
- Outdoor Patios
- Houses of Worship

Ease and Versatility *RF*

Developed specifically to fit into industry-standard back boxes, the RF series is ideal for new and retrofit installations where high efficiency and clear sound are critical. Whether you need high-volume speakers in an airport or convention center (RF122-150) or replacement drivers for a large retrofit (RF41-20), the RF series from SoundTube makes installations fast and simple.



Church Front Fill Stair-Step



Ease and Versatility for Retrofits and New Construction // RF



	RF31-EZ / RF31-EZ-T	RF41-20	RF122-150
System Type	3" Full-Range, Raw-Frame (Optional transformer RF31-EZ-T)	4" Full-Range, Raw-Frame	12" Coax, High-SPL, Raw-Frame
Frequency Response (-3 dB)	170 Hz - 14 kHz	155 Hz - 22 kHz	93 Hz - 18 kHz
Frequency Response (-10 dB)	82 Hz - 22 kHz	71 Hz - 22 kHz	50 Hz - 22 kHz
Height	4.75" / 102.7 mm	2.46" / 62.5 mm	8.08" / 205.2 mm
Diameter / Width	4.75" / 120.7 mm	12.60" / 320.0 mm	12.44" / 316.0 mm
Weight	1.5 lbs. / 0.7 kg (-T) 2.0 lbs. / 0.9	3.5 lbs. / 1.6 kg	12.0 lbs. / 5.5 kg
Certifications	UL 148, CE, RoHS, WEEE	CE, RoHS, WEEE	CE, RoHS, WEEE



Secret Sound Products

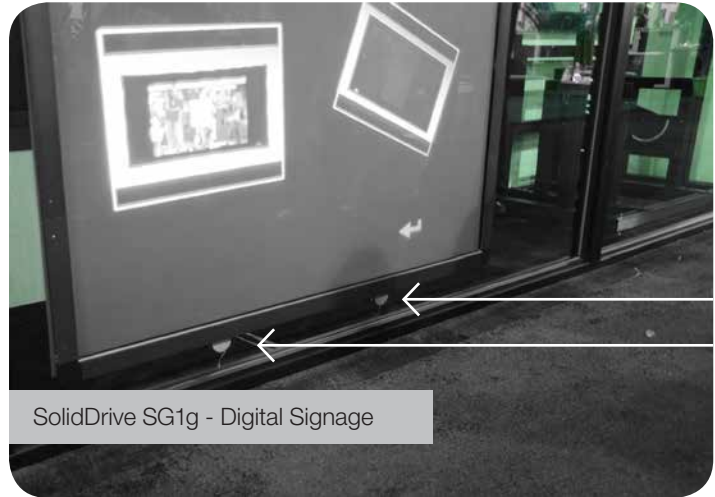


About Secret Sound // SS

SoundTube's parent company MSE Audio recently acquired Museum Tools and their signature product, Secret Sound®. Secret Sound was the industry's first parabolic dome speaker and was developed for the focused audio needs of museums, zoos and aquariums. Now sold through SoundTube, the Secret Sound line has been expanded with the addition of our FP Dual-Parabolic™ dome speakers, SolidDrive, the SoundTube 31 Series of discreet 3" speakers, our versatile SA mini-amplifiers and selected products from Rockustics. These products, singly or in combination, provide unique targeted audio solutions for themed entertainment, digital signage, museum displays, education, retail and corporate applications.



FP6030-II - Museum



SolidDrive SG1g - Digital Signage



SS30 - Digital Signage

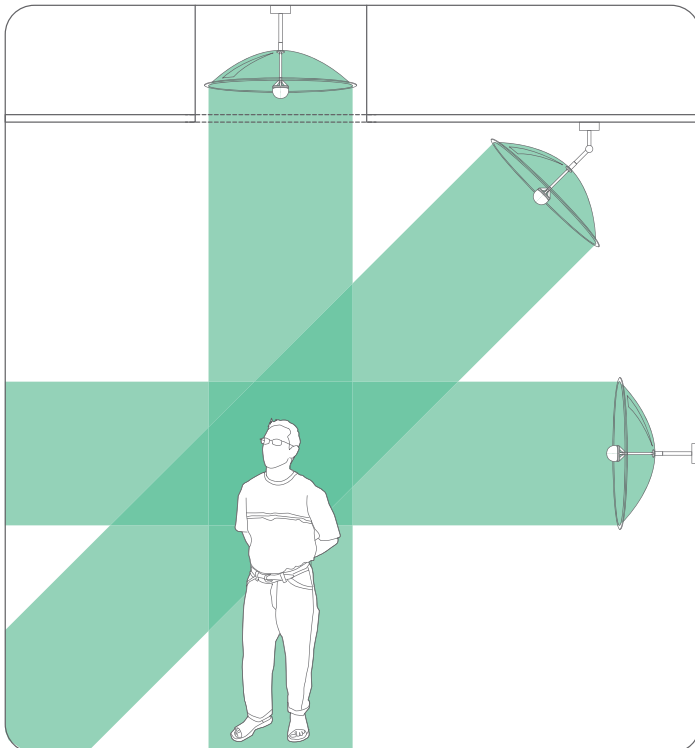


Applications // SS

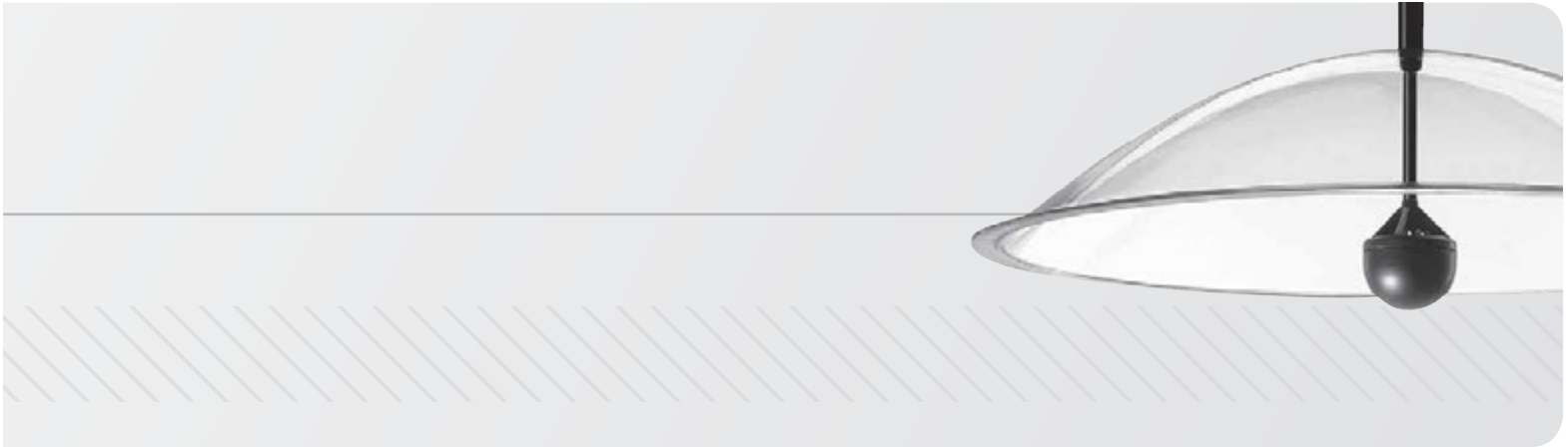
- Digital signage
- Retail kiosks
- Museum displays
- Themed entertainment
- Waiting areas
- Trade show displays
- Sports pubs
- Amusement parks

Features // SS

- Audio is targeted to a small, localized area
- Discreet and attractive (or invisible) audio sources
- Easily integrated with digital signage and themed displays
- Dome speakers available in clear, black or white
- SS30 offers unique aiming options for targeted audio (see diagram)



SS30	
System Type	2" / 51 mm High Directivity
Frequency Response (-10 dB)	200 Hz - 18kHz
Height	12" / 304.8 mm
Dome Diameter	30" / 762 mm
Weight	10.0 lbs. / 4.5 kg
Certifications	CE, RoHS, WEEE



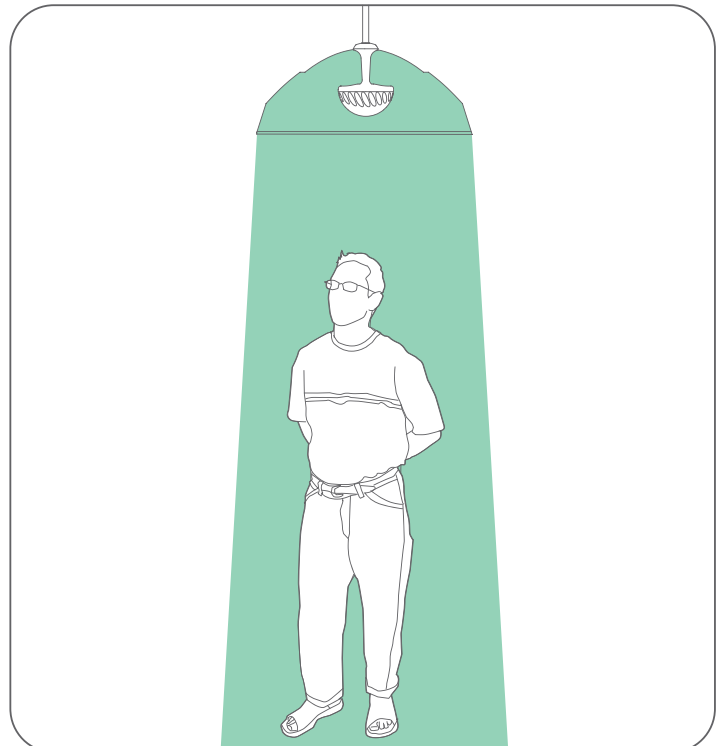
Targeted Audio in a Unique Package // SS

Many themed displays and digital signage applications require intelligible, private sound for one or two listeners, without disturbing other people or display areas. The Secret Sound series provides several options for achieving targeted audio.

Secret Sound FP dome speakers use Dual-Parabolic™ technology in a specialized enclosure; sound waves are projected into the dome then reflected directly below to a targeted area. FP models can provide stereo sound; SS models are mono. Several options are available for the dome speakers including LED light and motion detection activation. We also offer a custom-printed SoundSleeve™, emblazoned with any combination of graphics, logos or images.



	FP6020-II	FP6030-II
System Type	2 x 25 mm High-Directivity	2 x 25 mm High-Directivity
Frequency Response (-3 dB)	170 Hz - 22 kHz	160 Hz - 22 kHz
Frequency Response (-10 dB)	130 Hz - 22 kHz	130 Hz - 22 kHz
Height	8.75" / 222.3 mm	13.1" / 332.7 mm
Dome Diameter	20.25" / 514.4 mm	30.75" / 781.1 mm
Weight	5.5 lbs. / 2.5 kg	9.0 lbs. / 4.1 kg
Certifications	CE, RoHS, WEEE	CE, RoHS, WEEE



SolidDrive // SD

31 Series // 31



Sound Without Speakers™ // SD

Using SolidDrive surface-direct sound transducers, you can transform drywall, wood and glass into speakers. SolidDrive can be hidden behind walls or in ceilings, under tables and countertops, in P.O.P. displays, booths and kiosks, and even under floors. The result is an invisible audio system in which sound emanates from the architecture itself. For more information on SolidDrive, see Pg. 50 or visit www.soliddrive.com

Features // SD

- Works with almost any solid surface
- In-wall, table, and glass mounting options
- Full-frequency audio performance
- Nearly invisible installation
- Can be mounted anywhere on surface
- Optional subwoofers available

Applications // SD

- Hotels
- Clean rooms
- Historical buildings
- Point of purchase
- Digital signage
- Digital signage
- Museums



Small Speakers, Big Sound // 31

These 3" speakers produce superb sound quality with minimal speaker visibility. Models are available for in-wall, in-ceiling, surface-mount and open-ceiling applications. The series includes SoundTube's SM31-EZ(-T) (Surface Mount), RS31-EZ(-T) (Pendant), RF31-EZ(-T) (In-Wall), IW31-EZ (In-Wall) and CM31-EZ (In-Ceiling). (-T models include a transformer for low voltage applications). For more information on the 31 series, see Pgs. 10, 20, 24, 28 & 46

Features // 31

- Unobtrusive, discreet speaker installation
- Full-frequency audio performance
- Paintable to blend in to surroundings
- In-ceiling, open-ceiling, surface-mount, pendant and junction box mount models available
- Optional subwoofers available

Applications // 31

- Digital signage
- Museums
- Themed entertainment
- Bars and restaurants
- Hotels
- Boardrooms



SA Series // SA



Smaller than a compact disc

Amplification Where You Need It // SA

SA Series compact and cost-effective amplifiers are perfect for any application requiring a small amplifier to boost a limited-source output. Their small size makes them a great candidate for education, P.O.P. displays, digital signage, museum displays, and trade show booths. For more information on the SA Series, see Pg. 44

Features // SA

- 20 or 50 watt stereo output
- Aluminum housing
- Integrated heat sink
- Flexible power inputs
- Flexible audio inputs
- Flexible mounting options
- External power supply available

Applications // SA

- Retail kiosks
- Digital signage with sound
- Classrooms
- Meeting rooms
- Museums
- Portable A/V carts

SOUNDTUBE®

Rockustics // RO



Ultra-Fidelity Outdoor Speakers // RO

Rockustics speakers are ideally suited for outdoor applications, bringing high-fidelity sound to nature displays (ranging from small to large), digital signage, or pathways between attractions. With their authentic environmental rock designs, Rockustics speakers blend seamlessly into their surroundings. Custom finishes are also available to match even the most unique of environments. For more information on Rockustics, visit www.rockustics.com

Features // RO

- Natural rock appearance
- Full-fidelity audio
- Transformers available in selected models
- Wireless audio delivery available
- Rock speakers, planters, subwoofers and other models available

Applications // RO

- Outdoor displays
- Museum dioramas
- Themed entertainment
- Courtyards and patios
- Outdoor cafes
- Pool areas

Rockustics®

WLL series

Wireless Systems



Features // WLL

- Uncompressed audio for maximum fidelity
- 3 RF channels to minimize interference from other devices
- Multiple receiver/amplifier units may be used with a single transmitter
- USB, stereo mini or 1/4" balanced input connections at the transmitter
- Euroblock or 1/4" connections speaker level outputs at the receiver
- Local audio source at receiver via stereo mini (mutes the wireless signal when connected)
- High/Low power selector switch on transmitter limits RF range where needed

Applications // WLL

- Hospitality
- Rental systems
- Sports venues
- Convenience stores
- Gas stations
- Parks
- Houses of worship
- Schools

Uncompressed Streaming Digital Audio // WLL

Designed to work with all SoundTube speakers (as well as other brands), the WLL-TR-1p system enables the placement of speakers in locations where running wires may be difficult or impossible. Utilizing uncompressed streaming digital audio over latest generation 2.4 GHz and requiring only AC power for operation, the SoundTube wireless system provides two 50 W channels of audio. The SoundTube WLL wireless system is a professional wireless system that features multiple audio input types, including; balanced inputs, stereo mini and USB.

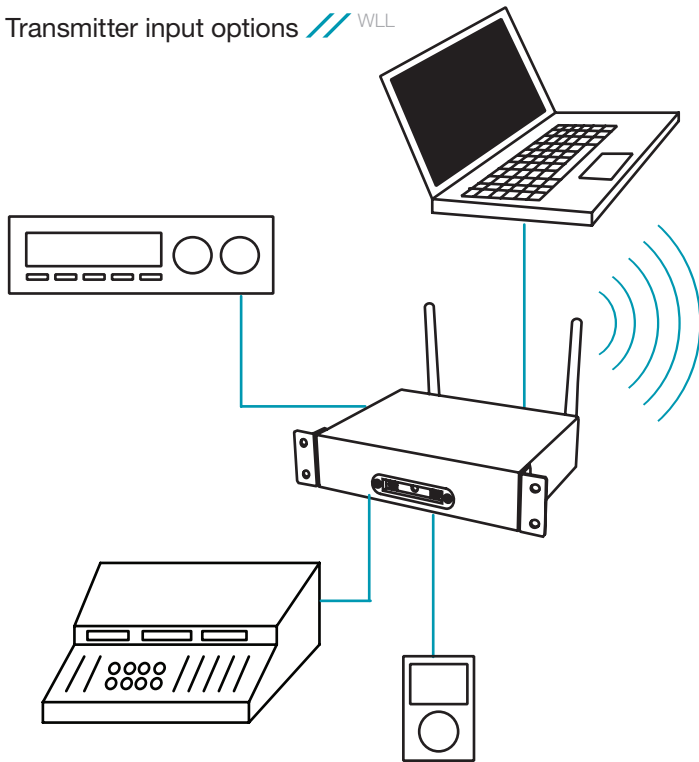
Delivering Audio to Hard to Reach Places // WLL



Endless possibilities for extending your audio reach // WLL

Adding audio to historic structures, existing installations or temporary setups is easy with the SoundTube WLL system. With just a power feed and some high quality speakers (such as those offered by SoundTube), you can send crystal-clear, full-fidelity audio virtually anywhere at your facility.

Transmitter input options // WLL



Versatile input options // WLL

Your TX1 transmitter can connect to a variety of line level audio sources: an audio mixer, a computer USB output, balanced outputs from a preamp and more. The unit can accommodate both balanced and unbalanced inputs. Multiple sources can be connected; a simple switch setting determines which one will be transmitted.

Applications // WLL



In houses of worship, an existing sound system at the front of the chapel is complemented with the WLL system to bring full fidelity audio to an overflow room or the back of the chapel. The receiver's line level ADA output connects to an assistive listening system.



For outdoor applications, the RX1p can provide 50 watts per channel to two speakers. Additional speakers are accommodated via the RX1p's line level output and an amplifier.



Classrooms can have inconsistent speaker coverage, making it hard for students to hear media presentations. An RX1p at the back of the room will bring 2 x 50 watts of coverage to those students without the need to string audio cables around the room.



Auditoriums, reception centers, even city parks occasionally need audio feeds to places with no audio cables. With just a power connection, you can feed 50 watts per channel to two stand-mounted speakers.



Sports stadiums - Remotely place an RX1p receiver in the stadium and feed surface-mount speakers (such as the SoundTube SM890i-WX) the audio from the announcer's box - all you need is power at the RX1p. (Make sure it's shielded from the weather!)

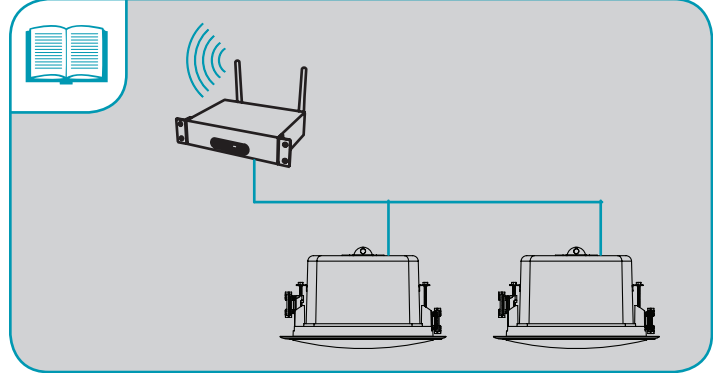
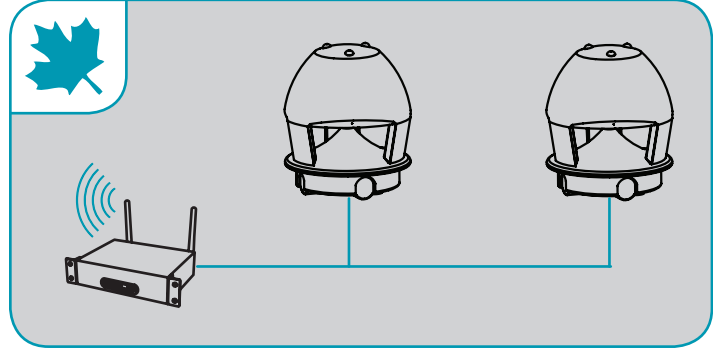
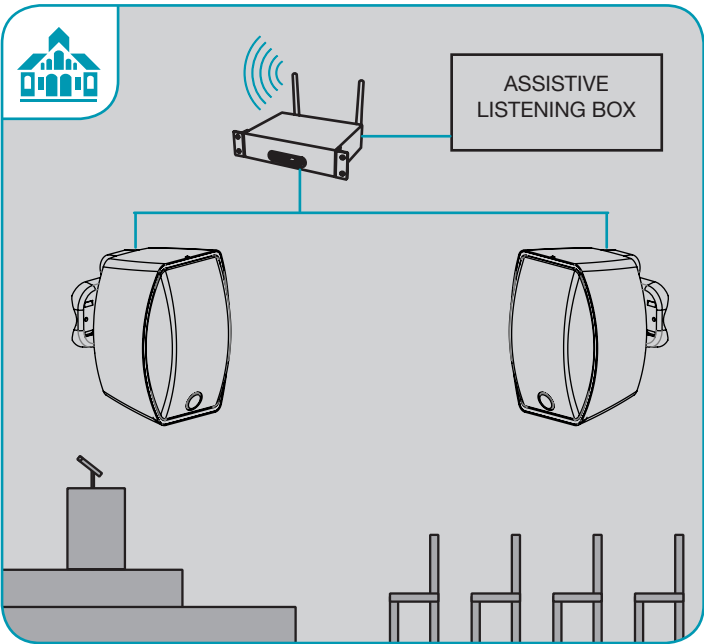
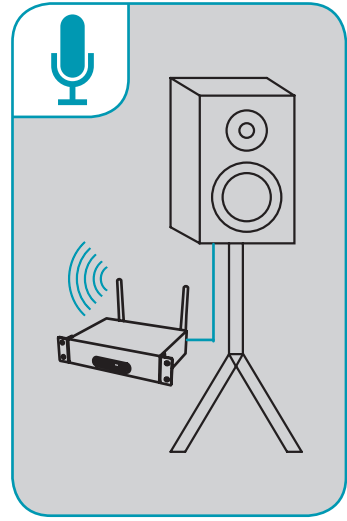
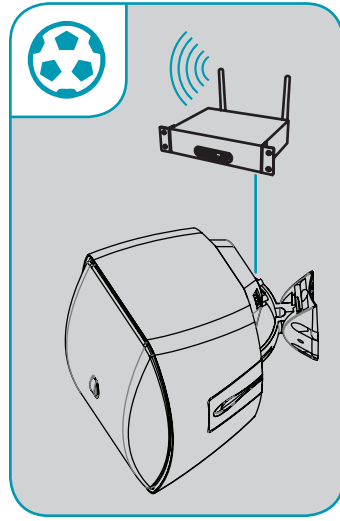
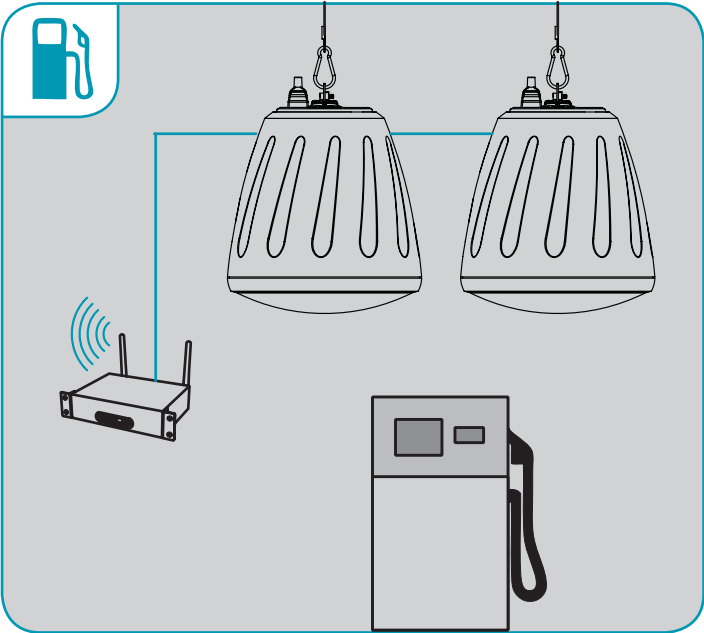


Gas Stations - Many gas stations would like to add music with commercial content for the attached convenience store to their gas pumping area. With the WLL system, it's easy to add high-quality audio to the pumps.

WLL series

Wireless Systems

Receiver options // WLL



Delivering Audio to Hard to Reach Places // WLL



	WLL-TX1	WLL-RX1
System Type	Uncompressed wireless transmitter	Uncompressed wireless receiver
Inputs	USB, stereo mini or .25" balanced input connections	Stereo mini (mutes wireless signal when connected)
Outputs	N/A	Euroblock or .25" connections speaker level
Height	1.75" / 44.45 mm	1.75" / 44.45 mm
Depth	6.5" / 165.1 mm	6.5" / 165.1 mm
Width	6.19" / 157.2 mm	6.19" / 157.2 mm
Certifications	CE, RoHS, WEEE (UL Testing Planned)	CE, RoHS, WEEE (UL Testing Planned)

Back View



SD series

SolidDrive Surface-Direct Speakers



Features // SD

- Works with almost any solid surface
- In-wall, table, and glass mounting options
- Full-frequency audio performance
- Nearly invisible installation
- Can be mounted anywhere on surface
- Optional subwoofers available

Applications // SD

- Hotels
- Clean rooms
- Historical buildings
- Point of purchase
- Digital signage
- Boardrooms
- Courthouses

Sound Without Speakers™ // SD

Drywall, wood, glass, laminates, metal: these are just a few of the materials that can be transformed into speakers using SolidDrive surface-direct sound transducers. Drives can be hidden behind walls or in ceilings (even approved for plenum air spaces), under tables and countertops, in P.O.P. displays, booths and kiosks, and even under floors. The result is an invisible audio system in which sound emanates from the architecture itself.

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.

SolidDrive can generate sound using as little as 5-15 watts, and up to 60 watts. For applications that require extended periods of high power, we offer optional heat-sink fins.



Sound Without Speakers™ // SD



Restaurant with Outdoor Seating



Retail Display



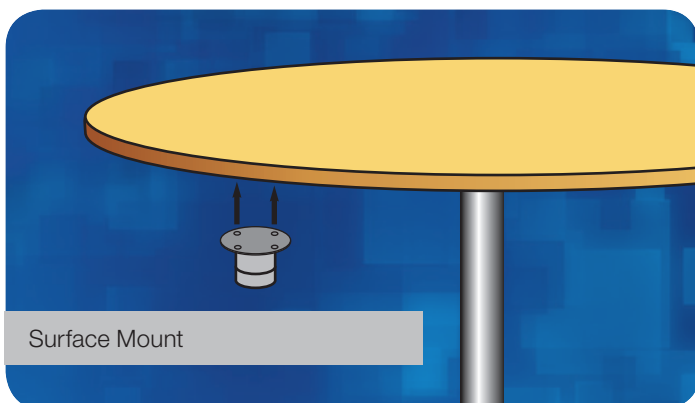
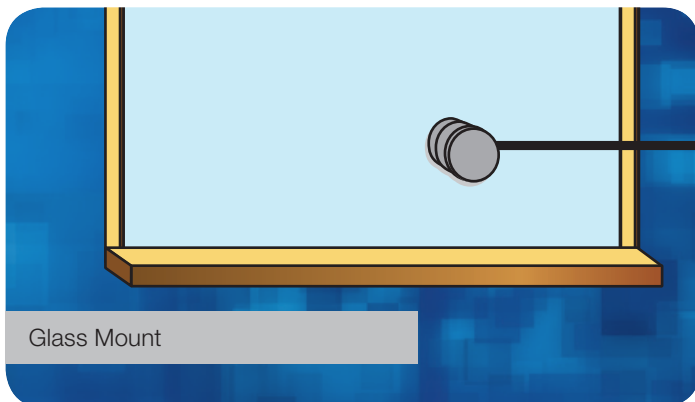
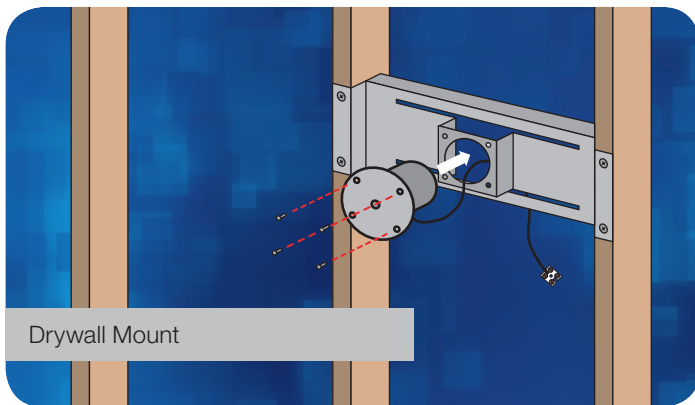
In-Wall Installation

SD series

SolidDrive Surface-Direct Speakers

/// Mounting Options

SolidDrive's various mounting options result in nearly endless versatility for your application. Window, wall or table—you can turn just about any surface in your room into a speaker.



/// Solid Mounting Options

For in-wall mounting applications, SolidDrives ship with a patented spring cantilever bracket. The bracket mounts to wall studs and holds the drive against the drywall with the exact amount of pressure for optimum performance.



/// Additional Low-End Response

For additional bass response down to 40 Hz, SoundTube offers a SolidDrive-compatible subwoofer (IW200). Subs are hidden behind paintable HVAC covers or perforated metal grilles.



/// Portable Desktop Option

Compact and portable, the SolidDrive Desktop Kit - 250 includes a mini amplifier (SD-250) with a built in, selectable equalization settings, connector cables, and a durable carrying case.



/// Color Options

SolidDrive is available in chrome, anodized black and titanium (at no extra charge).



/// SD-250 Amplifier

The SD-250 powered amplifier offers a more tailored solution to amplification of the SolidDrive series. This 50 watt per channel, two channel amplifier includes built in, selectable electronic equalization settings for glass, wood, drywall and by-pass that



/// Multiple EQ Modules

Simple and effective, EQ modules are available for a variety of substrates. The modules optimize the frequency response of drives for the type of surface to which they will be attached. (Not necessary with SD-250 amp).

Sound Without Speakers™



	SD1	SD1g	SD1sm	SD1 Desktop Kit - 250
System Type	Surface-Direct Wall Mounted Speaker	Surface-Direct Glass Mounted Speaker	Surface-Direct Surface Mounted Speaker	Surface Direct Desktop Speaker Kit
Frequency Response (-3 dB)	80 Hz - 10 kHz	80 Hz - 10 kHz	80 Hz - 10 kHz	80 Hz - 10 kHz
Frequency Response (-10 dB)	60 Hz - 15 kHz	60 Hz - 15 kHz	60 Hz - 15 kHz	60 Hz - 15 kHz
Height	2.02" / 51.3 mm	2.02" / 51.3 mm	2.02" / 51.3 mm	2.02" / 51.3 mm
Diameter	2.30" / 58.4 mm	2.30" / 58.4 mm	2.30" / 58.4 mm	2.30" / 58.4 mm
Mounting Foot Diameter	3.50" / 89 mm	2.00" / 51 mm	3.50" / 89 mm	2.00" / 51 mm
Weight	1.2 lbs. / 0.54 kg	1.2 lbs. / 0.54 kg	1.2 lbs. / 0.54 kg	1.2 lbs. / 0.54 kg
Color Options	Chrome, Titanium	Chrome, Black, Titanium	Chrome, Black, Titanium	Chrome, Black, Titanium
Certifications	UL 1480 & 2043	UL 1480 & 2043	UL 1480 & 2043	N/A



	SD-250 Amplifier
Power Per Channel @ < 10% THD	55 watts (8 Ω) 2 x 70 watts (4 Ω)
Power Per Channel @ < 1% THD	50 W (8 Ω) 65 W (4 Ω)
Bridged Mono Power @ < 1% THD	90 W (4 Ω)
Signal to Noise Ratio	> 83 dB (50 W)
Input Impedance	47 k Ω (line level)
Max. Gain	34 dB (8 Ω)
Height	1.2" / 30.5 mm
Width	3.9" / 99.1 mm
Weight (amp only)	0.56 lbs. / 0.26 kg
Certifications	UL 60065, CE, ROHS

XT series

In-Ground Speakers

Features // XT

- Industrial durability
- High-performance audio
- Weatherproof enclosures
- Built-in theft resistance
- Easy, fast wiring
- Unobtrusive designs
- Adjustable output levels

Applications // XT

- Amusement parks
- Resorts
- Shopping centers
- Outdoor cafés
- Mall walkways
- Hotel grounds

Serious About Outdoor Audio // XT

SoundTube never accepted the conventional “wisdom” that the quality of outdoor audio isn’t important. As a result, SoundTube’s XT speakers have set a new standard for performance in outdoor music and paging, such as in theme parks, sports venues, public areas, transit stations, hotel grounds and restaurant patios.

All XT speakers produce an omnidirectional coverage pattern, filling your space with high-quality audio. The XT550 and XT850 both feature adapted Broadbeam technology, while the XT-RockSolid uses two SolidDrive® sound transducers to drive every square inch of the rock-like enclosure with omnidirectional sound—no holes, no grille, no hot spots.

XT speakers include anti-theft brackets that sink deep into the ground, making them highly unlikely to “disappear” overnight. The XT550 and XT850 are made with industrial-strength enclosures that will last decades in even the worst conditions, maintaining their good looks after years of abuse from children, lawn equipment, chemicals and inclement weather.



Serious About Outdoor Audio 



Shopping Center Courtyard



Theme Park Entrance



Hotel Pool



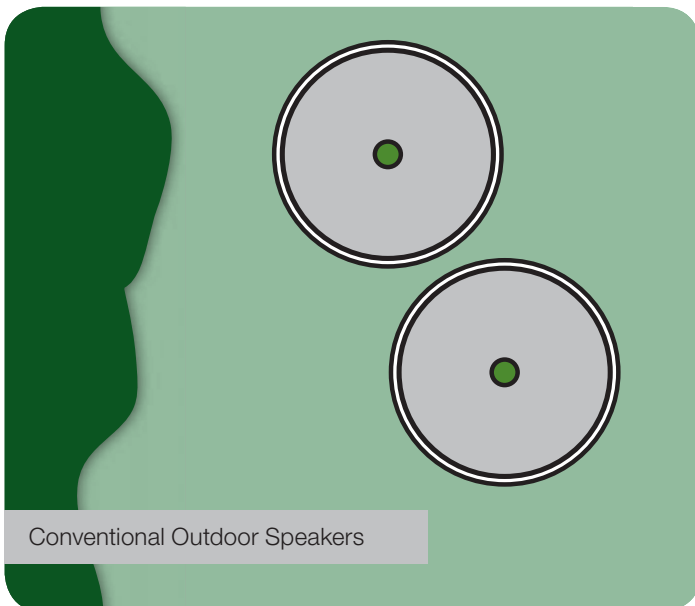
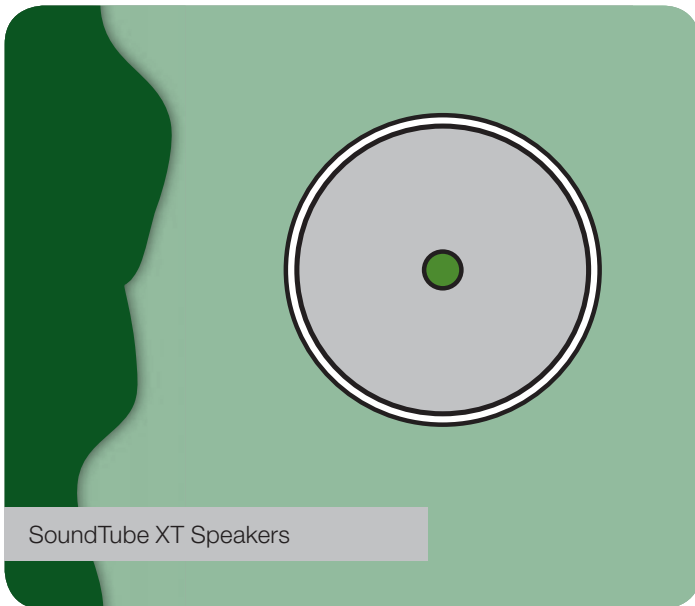
Outdoor Cafe

XT series

In-Ground Speakers

// Efficient Coverage Pattern

SoundTube's BroadBeam dispersion technology distributes high frequencies of sound in a wider, more effective pattern than conventional speakers. This allows for wider spacing of speakers and fewer speakers overall without sacrificing intelligibility.



// Color Options

The XT550 and XT850 are available in Green and Sandstone colors; the XT-RockSolid is available in Red Rock, Sandstone and Charcoal colors.



// Universal System Adaptability

XT speakers include weatherproof transformers that allow for 70.7- and 100-volt applications or transformer bypass settings.



// Theft Control Hardware

Included anti-theft brackets on all models secure your speaker from deep in the ground, deterring theft.



// Realistic Rock Speaker

XT-RockSolid™ provides omnidirectional coverage with a realistic stone appearance. SolidDrive transducers drive the polyurethane surface without any holes or speaker components giving away the speaker's location.



// Extreme-Duty

The XT-550 and XT-850 have highly durable UV-, scratch-, and weather-resistant enclosures with liquid-tight compression fittings and professional grade components. You can be assured of long lasting performance and durability. (XT-RockSolid won't support a truck but does offer long life and weather resistance.)



// Omnidirectional Coverage

All XT speakers, including the XT-RockSolid, provide full frequency sound dispersion and complete omnidirectional coverage, meaning you have smooth, fully intelligible audio no matter where you are in relation to the speaker.

Serious About Outdoor Audio 



	XT550	XT850	XT-RockSolid
System Type	5.25" Coax	8" Coax	Direct-drive (2), In-ground
Frequency Response (-3 dB)	61 Hz - 10 kHz	51 Hz - 10 kHz	100 Hz - 18 kHz
Frequency Response (-10 dB)	49 Hz - 22 kHz	38 Hz - 22 kHz	75 Hz - 22 kHz
Height	15.51" / 394.0 mm	16.42" / 417.1 mm	13.00" / 330.2 mm
Diameter	14.1" / 358.1 mm	14.17" / 359.9 mm	23.00" / 584.2 mm
Weight	13.0 lbs. / 5.9 kg	16.7 lbs. / 7.6 kg	19.4 lbs. / 8.8 kg
Certifications	UL 1480, CE, RoHS, WEEE	UL 1480, CE, IP55, RoHS, WEEE	CE, RoHS, WEEE

SOUNDTUBE®

About MSE Audio®

About MSE Audio® // www.mseaudio.com

MSE Audio comprises five companies specializing in high quality speaker products for commercial and residential audio. All five companies work as one group to bring design synergies and unique product features to all the markets we serve.



**INDUCTION
DYNAMICS®**

// Audio Perfection Realized™

Induction Dynamics® is based in Overland Park, Kansas. This group focuses on custom audio solutions for the high end residential market, offering freestanding, in-wall and on-wall speakers that can match the décor of any living or entertaining space. Utilizing patented technologies for crossovers and speaker components, Induction Dynamics speakers have won numerous accolades from audiophiles and home theater professionals.



**PHASE®
TECHNOLOGY**

// Speakers for your Life™

Phase Technology®, based in Jacksonville, Florida is one of the oldest and most prestigious speaker manufacturers in the United States. Holding numerous patents for speaker design (including the soft dome tweeter), Phase Technology offers a range of speakers for the home integrator including the dARTS Digital Audio Reference Theater System, freestanding speakers, in-wall and in-ceiling speakers, bookshelf speakers and powered subwoofers.



Rockustics®

// Premier Rock Speakers™

Rockustics® designs and manufactures attractive, durable weatherproof rock speakers. Resembling landscaping features, Rockustics speakers blend into the environment to provide superior aesthetics along with high-quality sound. The extensive product line includes rock speakers, omnidirectional speakers, subwoofers, speakers built into garden planters and speakers designed to be placed in landscaping walls. Rockustics has gained a reputation not only for high quality audio but for speakers that are built to last, with colors that will not fade and components that withstand years of heat, cold and moisture.



Solid|Drive®

// Sound Without Speakers™

SolidDrive® transforms an ordinary hard surface such as drywall, wood, glass or tabletop into a speaker. Its patented technology uses dual symmetrically opposed motors and high power neodymium magnets to transfer powerful acoustic vibrations to the surface. The result is high-quality, full-range audio radiating from the entire surface, with no surface damage or shaking. Models are available for drywall, wood, glass, or desktop uses. SolidDrive technology is also employed in the RockSolid outdoor speaker, the only rock speaker on the market without grille holes. With SolidDrive, you can enjoy Sound Without Speakers™.

The Cure for the Common Speaker™ ST



Genuine Customer Support ST

Along with our outstanding products comes incomparable service. SoundTube's technical support, sales and customer service staff are constantly on hand to assist you with ordering questions, technical information, troubleshooting and layout help during regular business hours. With most orders shipping same-day from a carefully managed inventory, we're almost always able to get you the system you need by the time you need it, even if it's within 24 hours.

And if an unforeseen problem should occur, we're eager to help you solve it. All SoundTube speakers are covered by a five-year limited warranty, all SoundTube electronics are covered by a three-year warranty and SolidDrive products have a seven-year warranty. We make it a point to expedite warranty issues, and our customer-friendly order and return policies make the process as easy as possible.



www.soundtube.com



MSE AUDIO® [**INDUCTION DYNAMICS**® **PHASE TECHNOLOGY** *Rockustics*® **Solid Drive** **SOUNDTUBE** ENTERTAINMENT]

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