

SOUNDTUBE[®]
E N T E R T A I N M E N T

SOUNDTUBE®

The Future of Sound

Genuine Customer Support

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.

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 and all SoundTube electronics are covered by a three-year limited 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.

An Audio Company With No Limits

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 National Fire Protection Association (NFPA) requirements. All SoundTube products are designed and engineered in the U.S.A.

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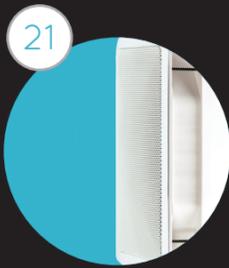
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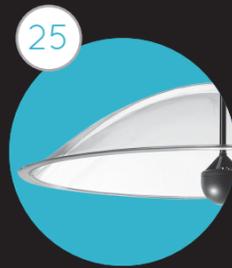
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The Future of Sound

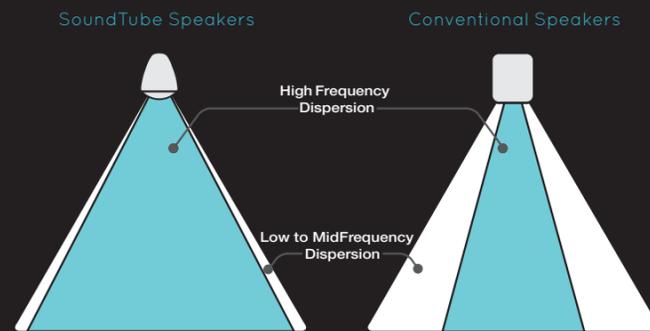
Commercial Applications

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 more than 20 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.



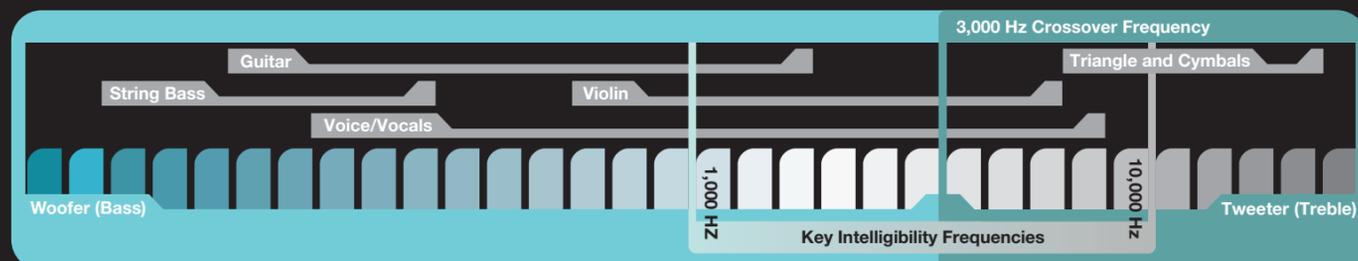
BroadBeam®: Ensuring the Best Sound Coverage

Anyone who has paid close attention to a conventional speaker may have noticed that the farther off-center (off-axis) 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

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. BroadBeam HP features higher output and longer throw, allowing announcements and music to be clearly heard over loud crowds or at longer distances.



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



Solution-Based Product Development

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 fast and easy, 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.



The Future of Sound

The Widest Selection of UL-Listed Speakers

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 the products have been independently evaluated and certified to Underwriters Laboratories standards.

UL isn't the only regulatory area where we've got you covered. Our products also meet the approval standards of RoHS, WEEE, CE and CB; several models have earned an EN54-24 rating; others have IP (Ingress Protection) ratings for water- and dust-resistance.

European Certifications

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 construction 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.

UL Listing Categories for Speakers

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.



CMI Series

	UL 1480	UL 2043
CM400i	●	●
CM500i	●	●
CM600i	●	●
CM690i	●	●
CM800d	●	●
CM800i	●	●
CM890d	●	●
CM890i	●	●
CM1001d-T	●	●



CM-BGM Series

	UL 1480	UL 2043	EN54-24
CM52-BGM	●	●	○
CM52s-BGM	●	●	○
CM62-BGM	●	●	●
CM82-BGM	●	●	○



CM-EZ Series

	UL 1480	UL 2043	EN54-24
CM-EZ-II	●	●	○
CM31-EZ	●	●	○
CM42-EZs-II	●	●	●
CM62-EZ-II	●	●	●
CM62-EZs-II	●	●	●
CM82-EZ-II	●	●	○
CM82-EZs-II	●	●	○
CM82-EZ-FS	●	●	○
CM82-EZs-FS	●	●	○
CM89-EZ	●	●	○



SM Series

	UL 1480	EN54-24
SM31-EZ(-T)	●	○
SM52-EZ(-WX)	○	○
SM82-EZ-II(-WX)	○	○
SM400i	●	○
SM500i-II(-WX)	○	○
SM590i-II(-WX)	○	○
SM890i(-WX)	●	○



IW Series

	UL 1480	UL 2043
IW31-EZ	●	●
IW500b	●	○



LA Series

	UL 1480
LA880i	○
LA808i	○
XT-Spyke	○



FP Series

	UL 1480
FP6020-II	○
FP6030-II	○
SS30	○



TS Series

	UL 1480
TSB3.0	○
TFS1.0	○
TCE1.5	○



RSi Series

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



HPi Series

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



RS-EZ Series

	UL 1480	UL 2239	EN54-24
RS31-EZ(-T)	●	●	○
RS4-EZ	○	●	○
RS42-EZ	●	●	●
RS62-EZ	●	●	●
RS82-EZ	●	●	○
HP82-EZ	●	●	●



ST NET Series

	UL 1480	UL 2043	UL60065
STNet Switch	N/A	N/A	●
IP(D)-SM500i-II	○	N/A	●
IP(D)-CM52-BGM	○	○	●
IP(D)-CM52s-BGM	○	○	●
IP(D)-CM62-BGM	○	○	●
IP(D)-CM82-BGM	○	○	●
IP(D)4-CM52-BGM	○	○	●
IP(D)4-CM62-BGM	○	○	●
IPD-RS62-EZ	○	○	●
IPD-RS82-EZ	○	○	●
IPD-HP82-EZ	○	○	●

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



RF Series

	UL 1480
RF31-EZ	●
RF31-EZ-T	●
RF 41-20	○
RF 122-150	○



AMP Series

	UL 60065	UL 2043
SA202	○	○
SA502	●	○
SB335	●	○
MA501t	●	○
MA3501t	●	○



WLL Series

	UL 60065	UL 2043
WLL-TX1-II	○	○
WLL-RX1-II	○	○



XT Series

	UL 1480
XT550	●
XT550	●
XT-Power Rock	○
XT-SurroundStone 5	○
XT-SurroundStone 8	○
XT-Spyke	○

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

RSi SERIES

The Best Pendant Speakers on the Planet

SoundTube originated the pendant speaker and offers the widest selection of pendant models. Designed for open-ceiling use, SoundTube's RSi Series of pendant speakers bring high-fidelity music and clearly intelligible paging to installations ranging from houses of worship to retail stores to restaurants and pubs.



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.



Hanging Hardware Included

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



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.



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.



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.



Adjustable Output Levels

All RSi speakers come equipped with a low insertion-loss transformer for use in 25, 70.7, and 100V systems. The front-mounted, easy-access tap switch makes selecting the desired tap setting a breeze. A transformer by-pass position is also included on all tap switches, making it easy to convert speakers for use in low impedance systems.

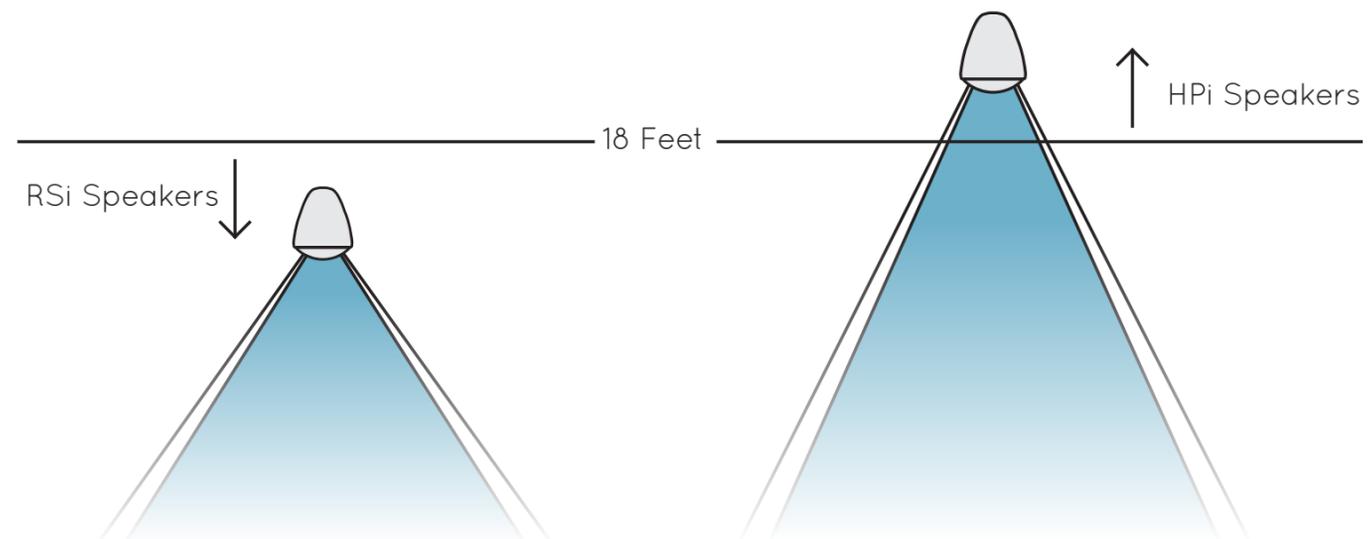


Surface-Mounting Option

In addition to hanging in open-ceiling environments, RSi 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 913.663.5600.



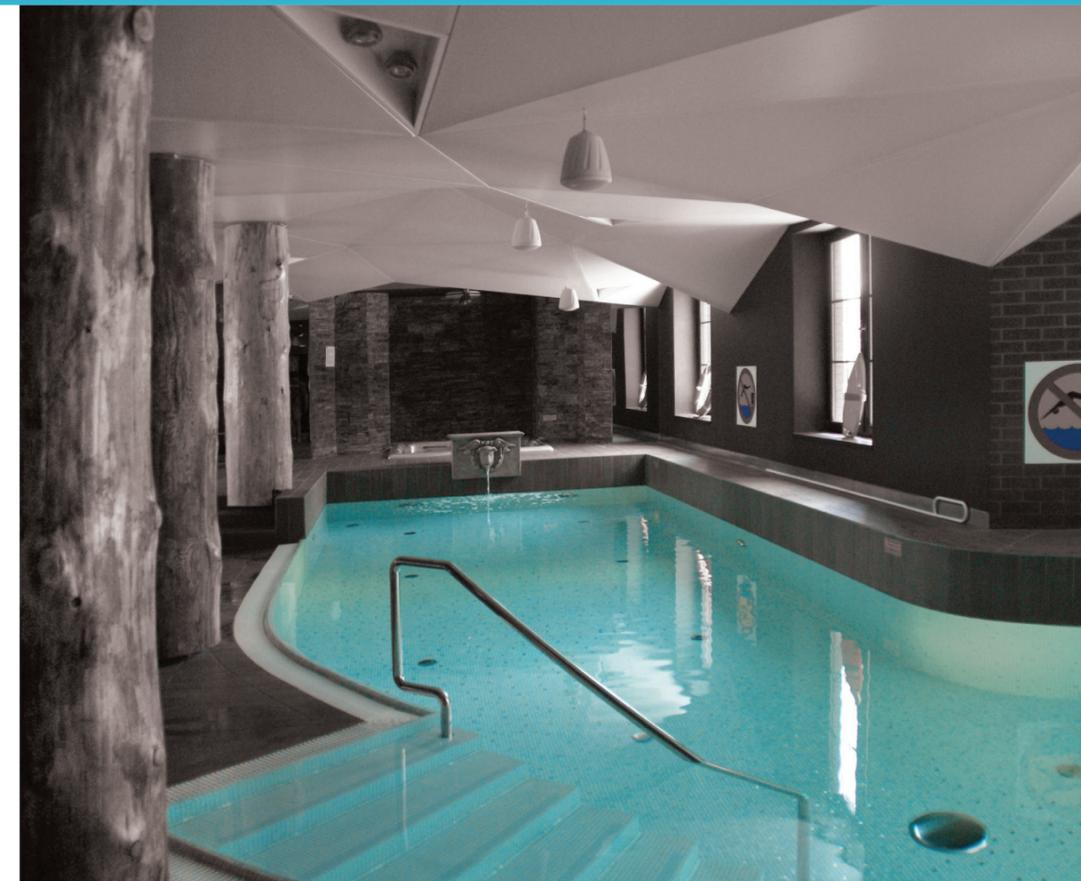
If your installation requires a mix of pendant speakers and in-ceiling or surface-mount models, you can rest assured that sound quality will stay the same throughout your facility, as SoundTube speakers are designed to match one another with the same timbre and tone. Along with fantastic sound and great looks, your SoundTube speakers come with peace of mind. All RSi speakers are compliant with CE, WEEE, and RoHS regulations. Additionally, all RSi speakers are UL-listed.

Features

- Full-frequency dispersion
- Patented BroadBeam® technology
- Hanging hardware included
- Fast-action wiring
- ZeroReflection™ enclosures
- Surface-mounting options
- Weather-resistant
- Available in black or white (paintable)

Applications

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



	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
Impedance	4 Ω	8 Ω	8 Ω	8 Ω	4 Ω
Max SPL	95.5 dB	105.5 dB	108.0 dB	110.5 dB	105.0 dB
Program Power	20 W	75 W	90 W	125 W	150 W
Coverage	127°	95°	100°	100°	N/A
Sensitivity	85.5 dB	86.5 dB	88.5 dB	89.5 dB	86.0 dB
Height	8.79" / 223.5 mm	11.74" / 298.2 mm	14.31" / 363.5 mm	17.22" / 437.6 mm	17.22" / 437.6 mm
Diameter	7.70" / 195.6 mm	9.68" / 245.9 mm	12.09" / 307.3 mm	14.81" / 376.4 mm	14.81" / 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	27.1 lbs. / 12.3 kg
Certifications	UL 1480 & 2239, CE, RoHS, WEEE				

HPI SERIES

Powerful Performance with Visual Appeal

SoundTube, the originator of the pendant speaker, designed the HPI series for applications requiring high power. 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.



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

All HPI speakers come equipped with a low insertion-loss transformer for use in 25, 70.7, and 100V systems. The front-mounted, easy-access tap switch makes selecting the desired tap setting a breeze. A transformer by-pass position is also included on all tap switches, making it easy to convert speakers for use in low impedance systems.



Surface-Mounting Option

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

Features

- Full-frequency dispersion
- BroadBeam®HP technology
- Hanging hardware included
- Fast-action wiring
- ZeroReflection™ enclosures
- Surface-mounting options
- Available in black or white (paintable)

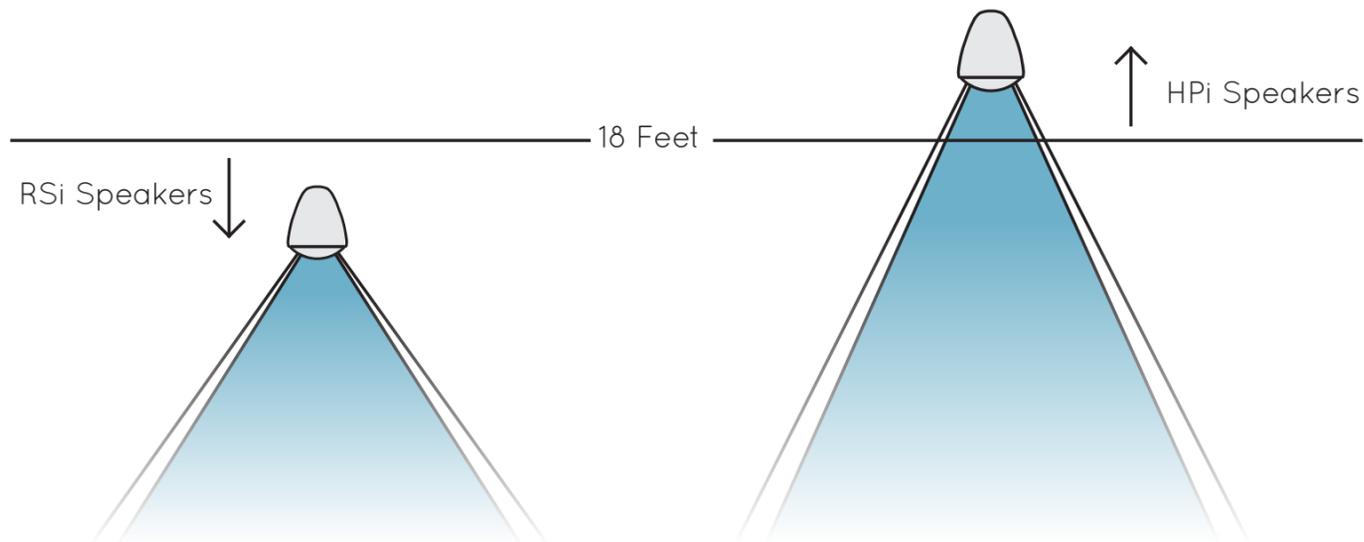
Applications

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



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 913.663.5600.



	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
Impedance	8 Ω	8 Ω	8 Ω	8 Ω
Max SPL	106.5 dB	115.0 dB	119.0 dB	118.0 dB
Program Power	80 W	125 W	150 W	150 W
Coverage	85°	116°	97°	100°
Sensitivity	87.5 dB	94.0 dB	97.0 dB	96.0 dB
Height	11.74" / 298.2 mm	17.22" / 437.6 mm	17.79" / 452.1 mm	22.80" / 579.1 mm
Diameter	9.68" / 245.9 mm	14.81" / 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	36.1 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

RS-EZ SERIES

Versatile speakers for open-ceiling installations

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.



Features

Open-ceiling pendant design from the originator of the pendant speaker

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)



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.



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)).



Wide Full-Frequency Dispersion

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.



Adjustable Output Levels

All RS-EZ speakers come equipped with a low insertion-loss transformer for use in 25, 70.7, and 100V systems. The front-mounted, easy-access tap switch makes selecting the desired tap setting a breeze. A transformer by-pass position is also included on all tap switches, making it easy to convert speakers for use in low impedance systems.

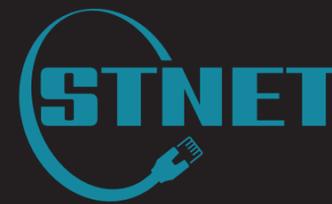


RS31-EZ(-T)

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. The RS31-EZ-T includes a 20 watt transformer that fits within a ceiling-mount junction box.



	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
Impedance	8 Ω	8 Ω	16 Ω	16 Ω	16 Ω	16 Ω
Max SPL	98.0 dB	103.0 dB	100.0 dB	104.0 dB	110.0 dB	111.0 dB
Program Power	20 W	20 W	20 W	32 W	64 W	64 W
Sensitivity	85.0 dB	90 dB	87.0 dB	89.0 dB	89.0 dB	93.0 dB
Height	4.93" / 125.4 mm	8.79" / 223.5 mm	7.85" / 199.6 mm	10.40" / 264.2 mm	12.90" / 327.7 mm	12.90" / 327.7 mm
Diameter	4.35" / 110.5 mm	7.70" / 195.6 mm	7.46" / 189.5 mm	10.07" / 256.0 mm	12.83" / 325.9 mm	12.83" / 325.9 mm
Weight	1.3 lbs. / 0.6 kg	3.9 lbs. / 1.8 kg	3.0 lbs. / 1.4 kg	5.0 lbs. / 2.0 kg	10.0 lbs. / 4.5 kg	10.0 lbs. / 4.5 kg
Certifications	UL 1480, CE, RoHS	UL 2239	UL 1480, 2239, CE, RoHS, EN54-24	UL 1480, 2239, CE, RoHS, EN54-24	UL 1480, 2239, CE, RoHS	UL 1480, 2239, CE, RoHS, EN54-24



Powerful, IP-addressable speaker system

The SoundTube STNet system is an IP-addressable speaker system with proprietary 40 watts PoE (Power over Ethernet) to each of its speakers.



Features

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

Compatible with any Dante™-enabled system

Includes STNet switch, power supply and selected in-ceiling, surface-mount and pendant 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

UL and CE listed

The system operates on Dante™ platforms. In-ceiling and surface-mount IP speakers are available, with other speaker models planned for the future. The speakers in the system connect to SoundTube's rack mountable 16-port switch. This switch includes two gigabit ports for connections of controller DSP devices along with connection of additional STNet switches.

With the STNet system, each SoundTube IP speaker on the network is powered, controlled and receives the digital audio signal via an Ethernet cable. Setup and EQ can be done individually or in groups. Expansion of speaker coverage using non-IP SoundTube speakers may be accomplished with IP4 model speakers (see following pages).

Any failure in an IP speaker, such as a voice coil, amp or overheating is immediately reported back. Speaker monitoring software provides graphical indication of speaker issues, enabling fast trouble-shooting of large systems.

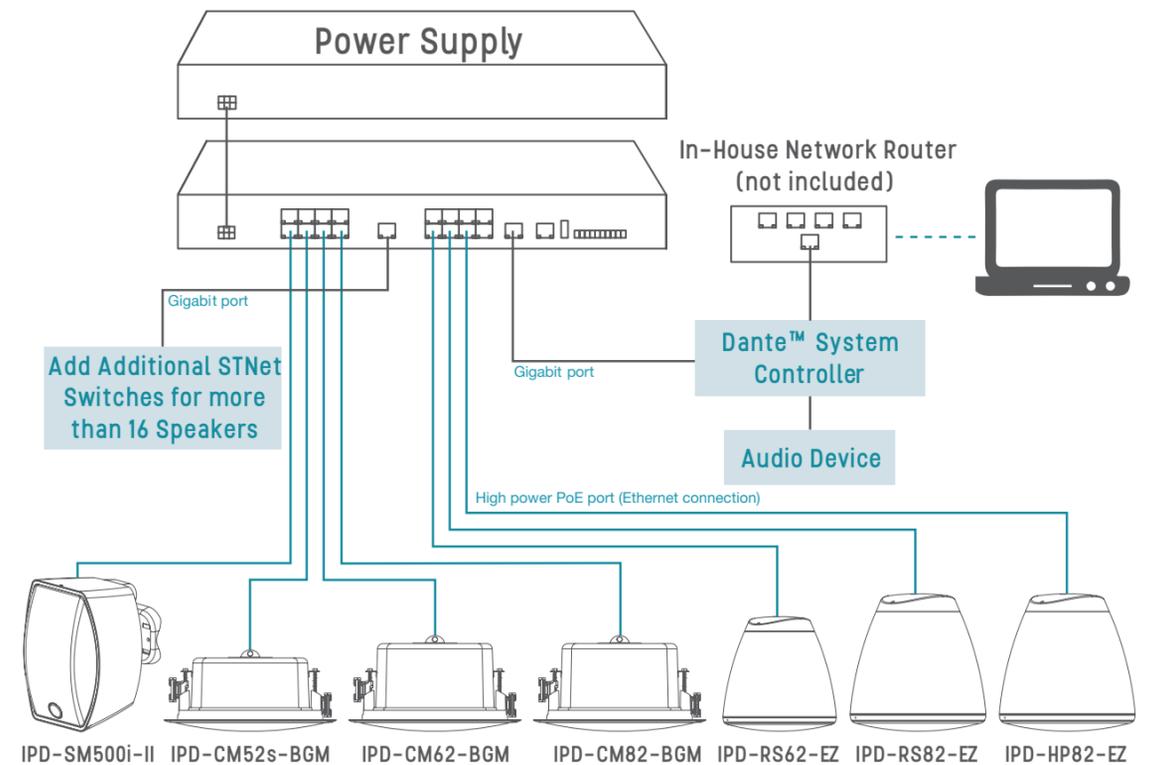


STNet Switch Front Panel



STNet Switch Rear Panel

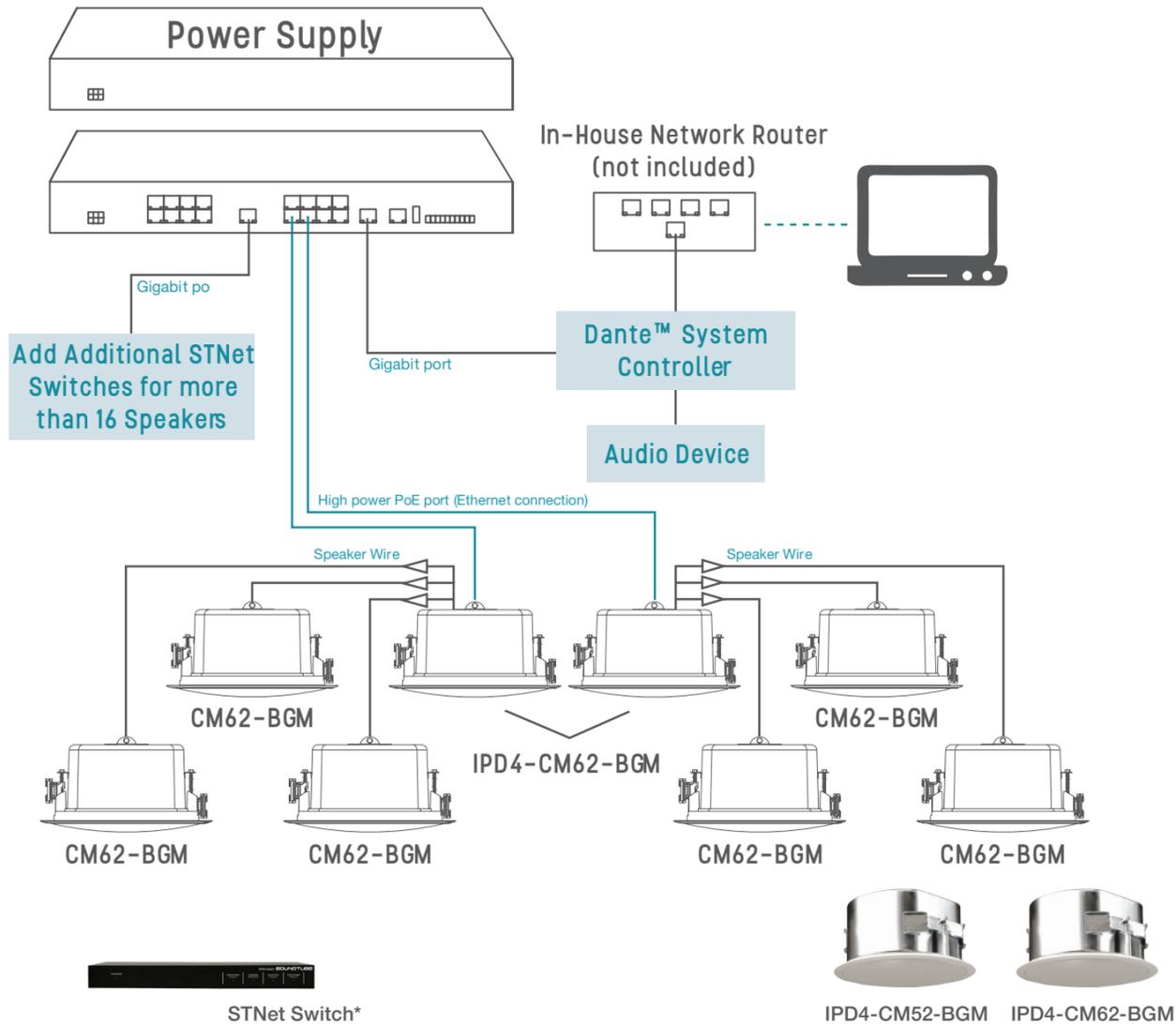
Typical Dante speaker setup



IP4 Speakers

Expand individual zones economically by using an IP4 speaker. The IP4 connects directly to the STNet-Switch and provides connection and amplification for up to three non-IP speakers, which must be sonically matched to the IP4 speaker. For example, an IP4-CM62-BGM speaker will power up to three standard CM62-BGM speakers; an IP4-CM52-BGM works with standard CM52-BGM units. Each IP4 speaker allows for connection of one or two audio signals, and then distributes an amplified signal to each satellite speaker. Satellite speakers may be set up to receive either of the two signals.

Typical IPD4 setup for Dante systems



System Type	16-Port 40 W PoE Switch
Power	110-240 VAC, 50/60 Hz
Relay I/O	Audible Alarm and Visible Alarm
Height	1.75" / 44.5 mm
Width	17.00" / 431.8 mm
Depth	9.75" / 247.7 mm
Weight	6.75 lbs. / 3.1 kg
Certifications	UL 60065, CB

System Type	5.25" Coax	6.5" Coax
Frequency Response (-3 dB)	67 Hz - 20 kHz	54 Hz - 20 kHz
Max SPL	99.0 dB	101.0 dB
Coverage	135°	91°
Height	5.75" / 146.1 mm	5.75" / 146.1 mm
Visible Diameter	11.75" / 298.5 mm	11.75" / 298.5 mm
Weight	8 lbs. / 3.6 kg	8 lbs. / 3.6 kg
Certifications	UL 60065, CB	UL 60065, CB



IPD-SM500i-II*



IPD-SM52-EZ*



IPD-SM82-II-EZ*

System Type	5.25" Coax	5.25" Coax	8" Coax
Frequency Response (-3 dB)	86 Hz - 22 kHz	80 Hz - 20 kHz	50 Hz - 20 kHz
Max SPL	102.0 dB	106.0 dB	106.0 dB
Coverage	100° Horizontal 100° Vertical	95° Horizontal 100° Vertical	90° Horizontal 105° Vertical
Height	11.40" / 289.6 mm	11.88" / 301.8 mm	18.00" / 203.2 mm
Width	8.36" / 212.3 mm	7.50" / 190.5 mm	11.50" / 292.1 mm
Weight	9.5 lbs. / 4.3 kg	7.4 lbs. / 3.4 kg	13.9 lbs. / 6.3 kg
Certifications	UL 60065, CB	UL 60065, CB	UL 60065, CB



IPD-CM52-BGM



IPD-CM52s-BGM



IPD-CM62-BGM



IPD-CM82-BGM

System Type	5.25" Coax	5.25" Coax	6.5" Coax	8" Coax
Frequency Response (-3 dB)	67 Hz - 20 kHz	90 Hz - 20 kHz	54 Hz - 20 kHz	56 Hz - 18 kHz
Max SPL	99.0 dB	99.0 dB	101.0 dB	103.0 dB
Coverage	135°	135°	91°	80°
Height	5.75" / 146.1 mm	3.75" / 95.3 mm	5.75" / 146.1 mm	8.00" / 203.2 mm
Visible Diameter	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



IPD-RS62-EZ



IPD-RS82-EZ



IPD-HP82-EZ

System Type	6.5" Coax	8" Coax	8" Coax, High SPL
Frequency Response (-3 dB)	100 Hz - 22 kHz	100 Hz - 22 kHz	110 Hz - 22 kHz
Max SPL	104.0 dB	110.0 dB	111.0 dB
Coverage	89.0°	81.1°	102°
Height	10.40" / 264.2 mm	12.90" / 327.7 mm	12.90" / 327.7 mm
Diameter	10.08" / 256.0 mm	12.83" / 325.9 mm	12.83" / 325.9 mm
Weight	4.5 lbs. / 2.0 kg	10.0 lbs. / 4.5 kg	10.0 lbs. / 4.5 kg
Certifications	UL 60065, CB	UL 60065, CB	UL 60065, CB

Tile Bridge and Pre Construction Bracket Key



* Preliminary data



CMi SERIES

Installation Ease, High-Performance Sound

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.



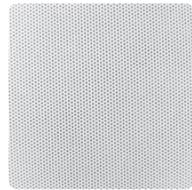
CM1001d-T In-Ceiling Subwoofer

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.



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.



Weather Guard Grilles

Weather guard grilles provide additional protection from water and other harsh conditions. Weather guard grilles have been tested to survive at least 4 times longer than standard grilles. They are the perfect option for tough environmental conditions.



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.



Flangeless Grille

SoundTube now offers an optional flangeless grille for our CMi line (excluding the CM400i). The flangeless grille makes for a less obtrusive aesthetic and an overall cleaner installation.



Wiring Made Easy

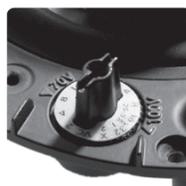
Included with every CMi speaker is a four-pin Euroblock connector that speeds wiring, simplifies daisy-chaining of multiple speakers and allows for pre-wiring.

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.

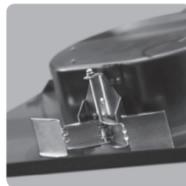
	CMi	CM*90i	CM-EZ
Superior Coverage	●	●	○
High SPL	●	●	○
Quick Installation	●	●	●
Outstanding Sound Quality for Music	●	●	○
Great Sound from High Ceilings (20' +)	●	●	○
Clarity Over High Ambient Noise	●	●	○
Euro Block Connector	●	●	
Division of Labor Convenience	●	●	●
High Sensitivity	●	●	●
Magnetic Grilles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

○ - Good ● - Better ● - Best



Adjustable Output Levels

All CMi speakers come equipped with a low insertion-loss transformer for use in 25, 70.7, and 100V systems. The front-mounted, easy-access tap switch makes selecting the desired tap setting a breeze. A transformer by-pass position is also included on all tap switches, making it easy to convert speakers for use in low impedance systems.



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)

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 are UL-listed.

Features

- Full-frequency dispersion
- Patented BroadBeam® technology
- High output capabilities
- Mounting hardware included
- Fast-action wiring
- Easy mounting grilles
- Available in black or white (paintable)

Applications

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



CM400i



CM500i



CM600i



CM690i

	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
Impedance	4 Ω	8 Ω	8 Ω	8 Ω
Max SPL	100.0 dB	105.5 dB	107.5 dB	111.5 dB
Program Power	20 W	75 W	90 W	100 W
Coverage	95°	105°	110°	100°
Sensitivity	90.0 dB	86.5 dB	88.0 dB	91.5 dB
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	10.70" / 272.0 mm	14.75" / 374.9 mm	14.75" / 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			



CM800i



CM800d



CM890i



CM890d



CM1001d-T

	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
Impedance	8 Ω	8 Ω	8 Ω	8 Ω	4 Ω
Max SPL	111.0 dB	111.5 dB	114.0 dB	114.0 dB	111.0 dB
Program Power	125 W	125 W	125 W	125 W	150 W
Coverage	120°	125°	105°	110°	N/A
Sensitivity	90.0 dB	90.5 dB	93.0 dB	93.0 dB	92.0 dB
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	14.75" / 374.9 mm	14.75" / 374.9 mm	14.5" / 374.9 mm	14.75" / 374.9 mm	14.75" / 374.9 mm
Weight	12.5 lbs. / 5.7 kg	18.8 lbs. / 8.5 kg	14.3 lbs. / 6.5 kg	24.0 lbs. / 10.9 kg	27.1 lbs. / 12.3 kg
Certifications	UL 1480 & 2043, CE, RoHS, WEEE				

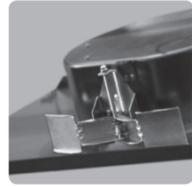
Tile Bridge and Pre Construction Bracket Key



CM-BGM SERIES

High-Quality Audio from a Value Speaker

Engineered specifically for background music applications where additional low end response is needed, CM-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 clearance is minimal; a six position tap switch allows for 25, 70.7 and 100 volt applications with a 16 Ohm by-pass. All speakers in the CM-BGM line are RoHS- and WEEE-compliant, CE-approved and UL-listed.



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)

Features

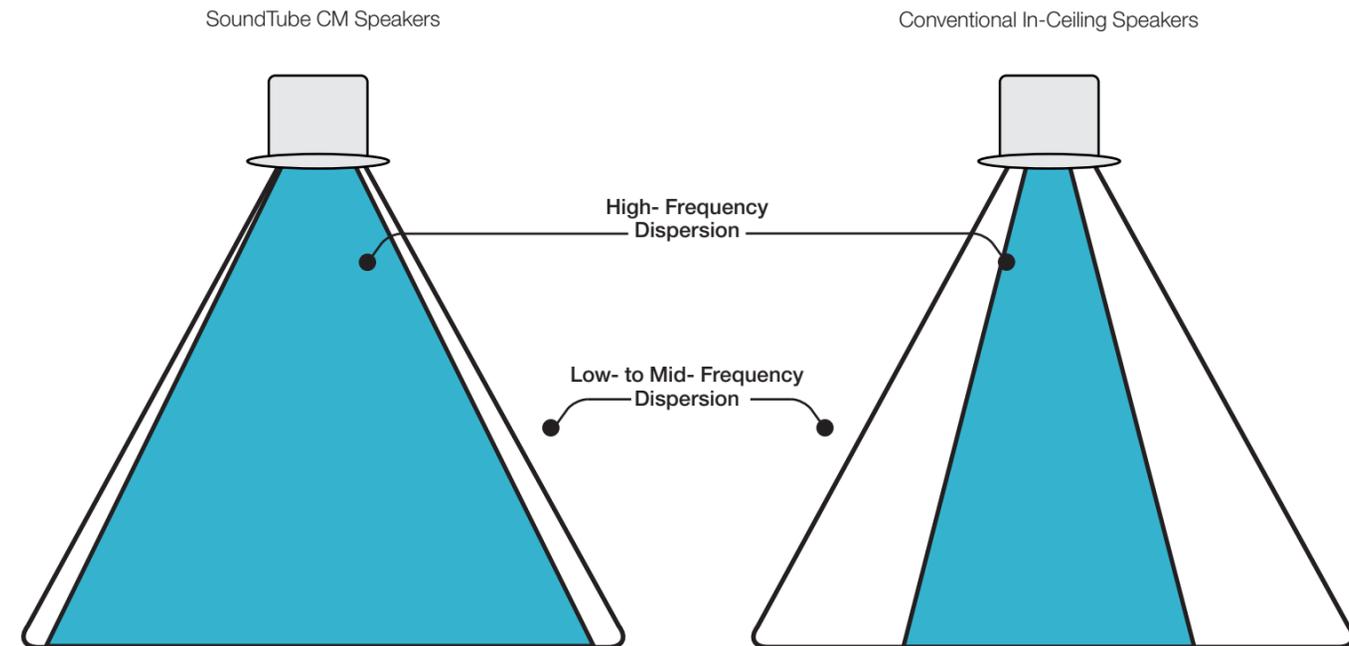
- BroadBeam Ring™ tweeter for wider dispersion
- Constant-tension SpeedWing™ all-metal mounting system
- Color-coded tile bridge included
- 5" model available in standard (5.75") and short can (3.5") depths
- Deeper frequency response for a broader sound stage
- Pair with IP4 speakers for added zone coverage in networked audio systems
- Available in black or white (paintable)

Applications

- Retail
- Restaurants
- Casinos
- Shopping centers
- Offices
- Hotels

Unparalleled Coverage

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



	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)	67 Hz - 20 kHz	90 Hz - 20 kHz	54 Hz - 20 kHz	56 Hz - 18 kHz
Impedance	16 Ω	16 Ω	16 Ω	16 Ω
Max SPL	99.5 dB	98.0 dB	101.5 dB	102.5 dB
Program Power	20 W	20 W	50 W	64 W
Coverage	135°	135°	90°	80°
Sensitivity	83.5 dB	82.0 dB	85.0 dB	84.5 dB
Height	5.75" / 146.1 mm	3.75" / 95.3 mm	5.75" / 146.1 mm	8.00" / 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, EN54-24	UL 60065, CB

Tile Bridge and Pre Construction Bracket Key



CM-EZ SERIES

Speech Intelligibility and Value

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.



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 µF 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

All CM-EZ speakers come equipped with a low insertion-loss transformer for use in 25, 70.7, and 100V systems. The front-mounted, easy-access tap switch makes selecting the desired tap setting a breeze. A transformer by-pass position is also included on all tap switches, making it easy to convert speakers for use in low impedance 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

Ideal for digital signage or small areas such as "huddle rooms", the CM31-EZ provides full-range audio with a small footprint.



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 with the speaker backcan for identification. (See key at bottom of next page)

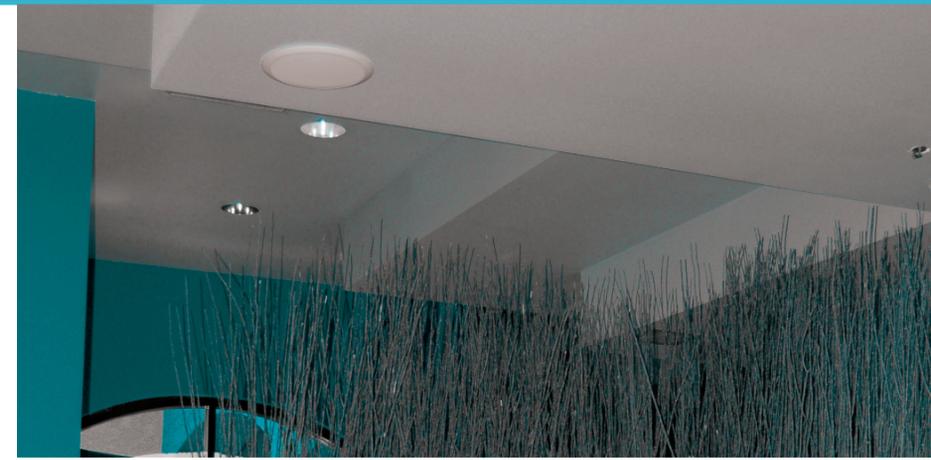
Shallow backcans (as short as 3.5") allow many of SoundTube's CM-EZ speakers to fit into cramped plenum spaces where most speakers wouldn't fit. Rated at 16 ohms (except the CM-EZ-II and CM31-EZ, which are 8 ohms), the CM-EZ line can produce high volume with low power, reducing operating costs and your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

Features

- High intelligibility
- High efficiency
- Lower cost
- Easy installation
- Available in short can depths
- Mounting hardware included
- Available in black or white (paintable)

Applications

- Education
- Airports
- Hospitals
- Office buildings
- Digital Signage
- Restaurants
- Hotels



CM-EZ-II



CM31-EZ



CM42-EZs-II



CM62-EZ-II



CM62-EZs-II

	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	190 Hz - 14 kHz	160 Hz - 20 kHz	125 Hz - 20 kHz	135 Hz - 22 kHz
Impedance	8 Ω	8 Ω	16 Ω	16 Ω	16 Ω
Max SPL	103.5 dB	98.0 dB	100.5 dB	107.0 dB	107.0 dB
Program Power	40 W	20 W	20 W	50 W	50 W
Coverage	92°	118°	100°	80°	80°
Sensitivity	87.5 dB	85.0 dB	87.5 dB	90.0 dB	90.5 dB
Backcan Height	7.50" / 190.5 mm	3.50" / 88.9 mm	3.75" / 95.3 mm	5.75" / 146.1 mm	3.75" / 95.3 mm
Diameter	10.75" / 273.1 mm	6.30" / 160.0 mm	7.50" / 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, IP54, CE, RoHS, WEEE	UL 1480 & 2043, CE, RoHS, WEEE, EN54-24	UL 1480 & 2043, CE, RoHS, WEEE, EN54-24	UL 1480 & 2043, CE, RoHS, WEEE, EN54-24



CM82-EZ-II



CM82-EZs-II



CM82-EZ-FS*



CM82-EZs-FS*



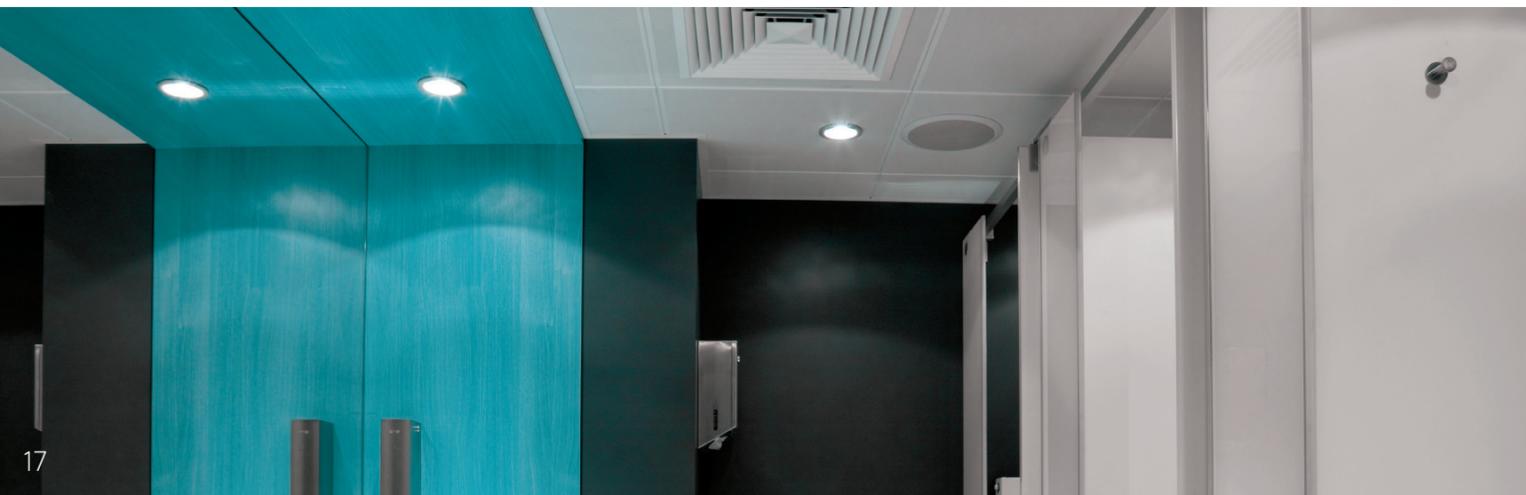
CM89-EZ*

	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	109 Hz - 18 kHz	119 Hz - 22 kHz
Impedance	16 Ω	16 Ω	16 Ω	16 Ω	8 Ω
Max SPL	107.0 dB	106.0 dB	107.0 dB	106.0 dB	112.0 dB
Program Power	64 W	64 W	64 W	64 W	75 W
Coverage	95°	105°	95°	105°	70°
Sensitivity	89.0 dB	88.0 dB	88.0 dB	88.0 dB	93.0 dB
Backcan Height	5.75" / 146.1 mm	3.75" / 95.3 mm	5.75" / 146.1 mm	3.75" / 95.3 mm	8.00" / 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	7.0 lbs. / 3.2 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 & 2043, CE, RoHS, WEEE	UL 1480 and 2043 Pending, CE, RoHS, WEEE

Tile Bridge and Pre Construction Bracket Key



* Preliminary data



SM SERIES

Installation Ease, Adjustability, Amazing Sound

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.



Full-frequency dispersion

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



SM-EZ

The SM-EZ line offers an economical solution for customers who want SoundTube quality on a tight budget. -WX models offer stainless steel grilles and hardware for outdoor use.



Wiring Made Easy

Included with every SM speaker (except -EZ models, which use a terminal block) is a fast-action, four-pin Euroblock connector that speeds wiring and simplifies daisy-chaining.

Features

- Full-frequency dispersion
- Patented BroadBeam® technology
- Fast, easy installation
- Mounting hardware included
- All-weather durability
- ZeroReflection™ enclosures
- Precision aiming capability
- Available in black or white (paintable)



Adjustable Output Levels

All SM speakers come equipped with a low insertion-loss transformer for use in 25, 70.7, and 100V systems. The front-mounted, easy-access tap switch makes selecting the desired tap setting a breeze. A transformer by-pass position is also included on all tap switches, making it easy to convert speakers for use in low impedance 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 SM products (except the SM31-EZ and SM1001p) may be mounted with vertical or horizontal orientation. Many models include a pole mount adapter built into the bracket. SoundTube RSi and HPI speakers may also be surface-mounted with their optional mounting brackets.

Applications

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



	SM31-EZ(-T)	SM400i	SM500i-II	SM500i-II-WX
System Type	3" Full-Range	4" Coax	5.25" Coax	5.25" Coax
Frequency Response (-3 dB)	170 Hz - 14 kHz	97 Hz - 22 kHz	86 Hz - 22 kHz	86 Hz - 22 kHz
Impedance	8 Ω	4 Ω	4 Ω	4 Ω
Max SPL	98.0 dB	95.5 dB	102.0 dB	102.0 dB
Program Power	20 W	20 W	75 W	75 W
Coverage	80°	125° Horizontal 125° Vertical	100° Horizontal 100° Vertical	100° Horizontal 100° Vertical
Sensitivity	85.0 dB	82.5 dB	86.0 dB	86.0 dB
Height	4.35" / 110.5 mm	9.68" / 245.9 mm	11.40" / 289.6 mm	11.40" / 289.6 mm
Width	4.35" / 110.5 mm	6.97" / 177.0 mm	8.63" 212.3 mm	8.63" 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
Certifications	UL 1480, IP64, CE, RoHS, WEEE	UL 1480, CE, RoHS, WEEE	CE, RoHS, WEEE (UL Testing Planned)	CE, RoHS, WEEE (UL Testing Planned)

SoundTube also offers "Weather Extreme" (-WX) versions of several models. The new SM-EZ-WX products are manufactured with weatherproof drivers, a sealed enclosure, and stainless steel fasteners, mount and grille. The SM500i-II-WX, SM590i-II-WX and SM890i-WX feature WX Weather Guard, utilizing a dual layer hydrophobic material inside the speaker grille to keep water away from drivers and internal electronics. WX Weather Guard has an IP44 rating. 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.



SM590i-II



SM590i-II-WX



SM890i



SM890i-WX

	SM590i-II	SM590i-II-WX	SM890i	SM890i-WX
System Type	5.25" Coax, High-SPL	5.25" Coax, High-SPL	8" Offset, High-SPL	8" Offset, High-SPL
Frequency Response (-3 dB)	100 Hz - 22 kHz	100 Hz - 22 kHz	88 Hz - 22 kHz	105 Hz - 22 kHz
Impedance	8 Ω	8 Ω	8 Ω	8 Ω
Max SPL	106.0 dB	106.0 dB	115.0 dB	115.0 dB
Program Power	80 W	80 W	150 W	150 W
Coverage	80° Horizontal 85° Vertical	80° Horizontal 85° Vertical	100° Horizontal 70° Vertical	100° Horizontal 70° Vertical
Sensitivity	87.0 dB	87.0 dB	93.0 dB	93.0 dB
Height	11.40" / 289.6 mm	11.40" / 289.6 mm	18.78" / 477.0 mm	18.78" / 477.0 mm
Width	8.36" / 212.3 mm	8.36" / 212.3 mm	11.65" / 295.9 mm	11.65" / 295.9 mm
Weight	9.5 lbs. / 4.3 kg	9.5 lbs. / 4.3 kg	21.0 lbs. / 9.5 kg	21.0 lbs. / 9.5 kg
Certifications	CE, RoHS, WEEE (UL Testing Planned)	CE, RoHS, WEEE (UL Testing Planned)	UL 1480, CE, RoHS, WEEE	UL 1480, CE, RoHS, WEEE



SM52-EZ*



SM52-EZ-WX*



SM82-EZ-II*



SM82-EZ-II-WX*

	SM52-EZ*	SM52-EZ-WX*	SM82-EZ-II*	SM82-EZ-II-WX*
System Type	5.25" Coax	5.25" Coax	8" Coax	8" Coax
Frequency Response (-3 dB)	65 Hz - 20 kHz	65 Hz - 20 kHz	50 Hz - 20 kHz	50 Hz - 20 kHz
Impedance	8 Ω	8 Ω	8 Ω	8 Ω
Max SPL	101.0 dB	101.0 dB	106.0 dB	106.0 dB
Program Power	50 W	50 W	75 W	75 W
Coverage	95° Horizontal 100° Vertical	95° Horizontal 100° Vertical	90° Horizontal 105° Vertical	90° Horizontal 105° Vertical
Sensitivity	84.0 dB	84.0 dB	87.0 dB	87.0 dB
Height	11.88" / 301.8 mm	11.88" / 301.8 mm	18.00" / 203.2 mm	18.00" / 203.2 mm
Width	7.50" / 190.5 mm	7.50" / 190.5 mm	11.50" / 292.1 mm	11.50" / 292.1 mm
Weight	7.4 lbs. / 3.4 kg	7.4 lbs. / 3.4 kg	13.9 lbs. / 6.3 kg	13.9 lbs. / 6.3 kg
Certifications	UL 1480 (UEAY) & EN54-24 planned			

* Preliminary data

IW SERIES

High-Quality Audio in an Unobtrusive In-Wall Design

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.



Features

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

Applications

- Houses of worship
- Digital Signage
- Retail
- Educational facilities
- Museums
- Government facilities
- Hotels / condos



IW31-EZ



IW500b

System Type	3" Full-Range	5.25" Coax
Frequency Response (-3 dB)	190 Hz - 14 kHz	140 Hz - 22 kHz
Impedance	8 Ω	8 Ω
Max SPL	98.5 dB	106.5 dB
Program Power	20 W	75 W
Coverage	120°	101° Horizontal 100° Vertical
Sensitivity	85.5 dB	87.5 dB
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, IP54, CE, RoHS, WEEE	UL 1480 (Back box), CE, RoHS, WEEE

LA SERIES

Line Array Column Speakers

SoundTube's column line arrays are anything but typical. Our 2-way and 3-way designs bring broad controlled coverage with superior clarity to a wide array of venues, including outdoor applications.

Features

- Line Arrays for indoor and outdoor applications
- Constant directivity with broad horizontal and narrow vertical dispersion pattern
- LAPS (Line Array-Point Source) technology provides short near-field to far-field transition
- LA808i Low Frequency Directivity Element pairs with the LA880i to add an octave of directivity control to low frequencies

Multiple mounting options and simple input connections

Applications

The LA8801 is ideal for PA and sound reinforcement in transportation centers (such as train platforms and airport terminals), university lecture halls and large houses of worship. The LA808i LFDE improves low frequency directivity in highly reverberant situations.

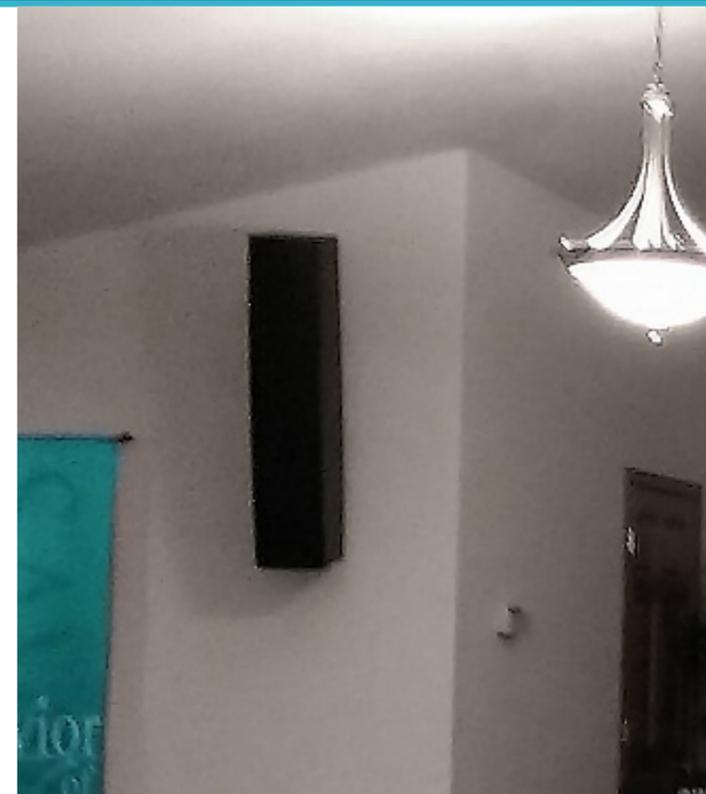
The XT-Spyke is ideal for outdoor uses including theme parks, city parks with entertainment pavilions, zoos and outdoor events.



The LA880i, designed for indoor use, is an advanced LAPS (Line Array-Point Source) 3-way design that provides a very short near-field extent and robust far-field performance. The LAPS design addresses a common problem with traditional column line arrays, where near- and far-field performance varies dramatically. The LA880i's near-field to far-field transition occurs at only 3 meters from the speaker. This makes the LA880i a good choice for venues ranging from houses of worship to transportation platforms and more.

Additional low frequency directivity on an indoor line array system can be achieved with the addition of the LA808i LFDE (Low Frequency Directivity Element). NOT a subwoofer, the LA808i adds eight woofers to extend the directivity control by up to an octave lower in frequency. Its use is recommended in venues that have a high reverberation time.

For outdoor venues, the XT-Spyke provides clarity and long throw with extreme weather resistance and versatile mounting options. This speaker provides eight 3" polypropylene woofers and eight 1" titanium dome tweeters in a sealed, weather resistant rotomolded enclosure with stainless steel grille and mounting bracket. It may be mounted on a wall or via a "spike" mount for placement in garden areas.



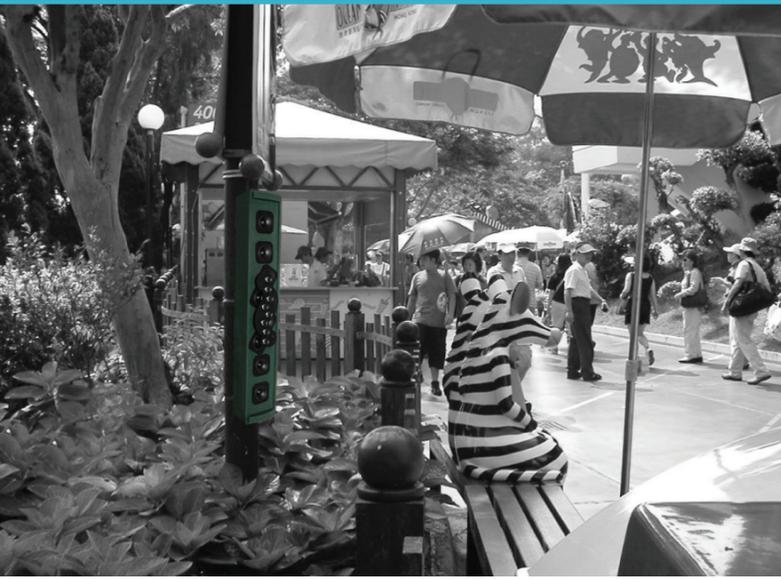
Custom Finishes

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 913.663.5600.

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



Example of Custom Finishes

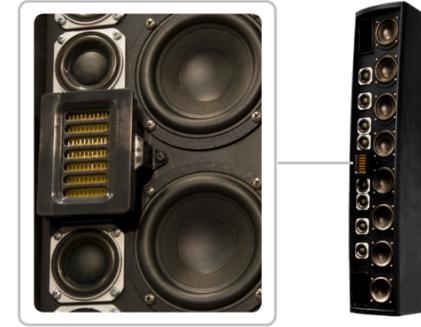


XT-SPYKE

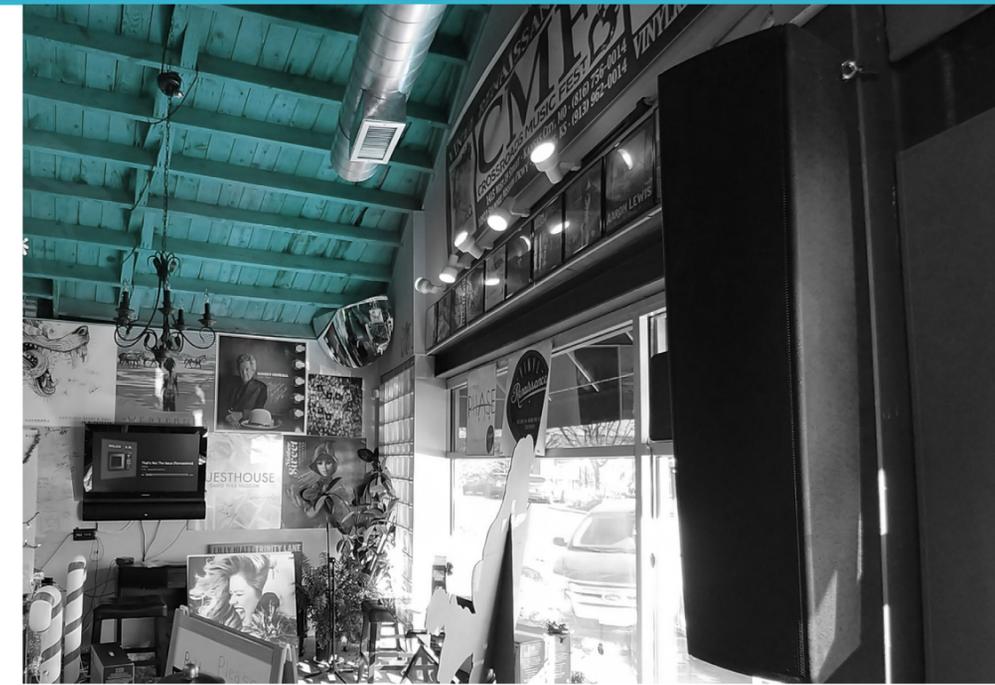
Designed for outdoor audio applications, the XT-Spyke delivers long throw with high intelligibility and musicality. This columnar line array has a slim profile and may be wall mounted, "spike" mounted or flown. Its wide horizontal and narrow vertical dispersion pattern provides broad, powerful coverage for themed entertainment and outdoor events.

Fully weatherproof, the XT-Spyke features a sealed enclosure with stainless steel grille and weatherproof mounting bracket; connections are made via a Neutrik speakON weatherproof input jack.

An optional 120w transformer with six position tap switch is available.

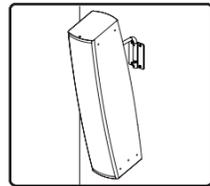


The LA880i uses eight 4.5" woofers, eight 2" midrange drivers and one 2.5" planar magnetics (ribbon) tweeter in an advanced design that provides a very short near-field extent and solid far-field performance.

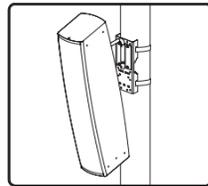


LA880i Mounting options

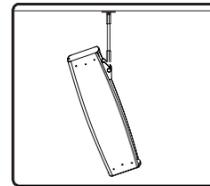
The LA880i may be flush-mounted to a wall, tilt-mounted near a ceiling, suspended from a ceiling, pole mounted or flown. Numerous mounting points are provided on the speaker for attachment of mounting hardware (hardware is sold separately and is also available through the manufacturer, Allen Products).



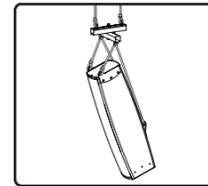
Surface mount



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.



LA880i

LA880i with LA808i

XT-Spyke*

	LA880i	LA880i with LA808i	XT-Spyke*
System Type	3-Way Full Range Line Array	Extended Low Frequency Directivity	2-Way Full Range Line Array
Frequency Response (-3 dB)	71 Hz - 22 kHz	83 Hz - 22 kHz	85 Hz - 20 kHz
Impedance	4 Ω	4 Ω	8 Ω
Max SPL	113 dB	112 dB	115 dB
Program Power	300 W	300 W	150 W
Coverage	91° Horizontal 52° Vertical (500-10k)	90° Horizontal 60° Vertical (200-10k)	120° Horizontal 50° Vertical (500-10k)
Sensitivity	88.0 dB	90.0 dB	92.0 dB
Height	40.87" / 1038.1mm	81.74" / 2076.2mm	37.38" / 949.5mm
Width	7.91" / 200.8mm	7.90" / 200.9mm	6.79" / 172.7mm
Depth	11.99" / 304.5mm	11.99" / 304.5mm	5.50" / 139.7mm
Weight	40.1lbs. / 18.2 kg	74.7lbs / 33.9 kg	17.2lbs / 7.8 kg
Certifications	CE, RoHS, WEEE	CE, RoHS, WEEE	CE, RoHS, WEEE (UL Testing Planned)

* Preliminary data

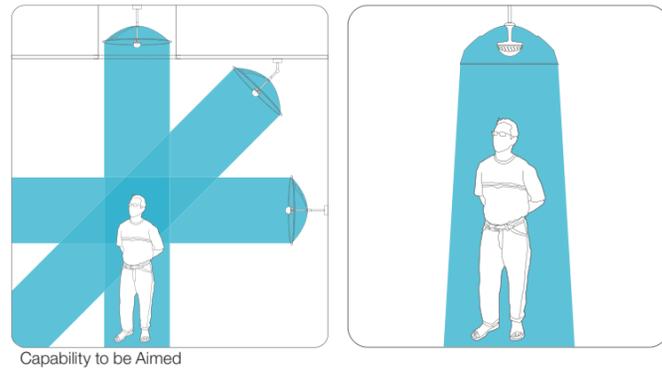
FP SERIES

Targeted Audio in a Unique Package

Ideal for museum displays, themed entertainment, digital signage and store kiosks, Secret Sound® (SS) and Focus-Point (FP) dome speakers supply intelligible, private sound for one or two listeners. Sound does not bleed over to adjacent areas, allowing placement of multiple speakers in close proximity to one another.



Secret Sound and FP dome speakers use a parabolic reflector with specialized speaker elements that project the sound onto the dome; the sound is then reflected directly below to a targeted area. FP models can provide stereo sound; SS models are mono. SS models are aimable; FP units use an overhead or optional wall mount. Other options are available including LED light (FP models only), motion sensor activation and printed SoundSleeve™ (FP speakers) to customize the appearance as desired.



Features

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)

Applications

Digital signage

Retail kiosks

Museum displays

Themed entertainment

Waiting areas

Trade show displays

Sports pubs

Amusement parks



FP6020-II



FP6030-II



SS30

	FP6020-II	FP6030-II	SS30
System Type	2 x 25 mm High-Directivity	2 x 25 mm High-Directivity	2" / 51 mm High-Directivity
Frequency Response (-3 dB)	170 Hz - 22 kHz	160 Hz - 22 kHz	200 Hz - 18kHz
Impedance	8 Ω	8 Ω	4 Ω
Max SPL	87.0 dB	87.0 dB	92.0 dB
Program Power	15 W	15 W	15 W
Coverage	46°	45°	45°
Sensitivity	75.0 dB	75.0 dB	77.0 dB
Height	8.75" / 222.3 mm	13.1" / 332.7 mm	12.0" / 305.0 mm
Dome Diameter	20.25" / 514.4 mm	30.75" / 781.1 mm	30.0" / 762.0 mm
Weight	5.5 lbs. / 2.5 kg	9.0 lbs. / 4.1 kg	4.5 lbs. / 9.2 kg
Certifications	CE, RoHS, WEEE	CE, RoHS, WEEE	CE, RoHS, WEEE

TS SERIES

By Phase Tech®

High-Quality Audio for Video Displays

With TS Series thin speakers, you can enjoy high intelligibility in dialogue and communication along with full-fidelity music and sound to accompany video presentations – all in cabinets presenting an ultra-slim profile. All three units measure only 1.5" deep at the edges (2.5" in the center). Soundbar, center channel eliminator and surround models are available.



The TSB3.0 soundbar incorporates Enhanced Voice Technology™ (EVT) circuitry and Spatial Field Expanders™ (SFE) to increase voice intelligibility and create an ultra-wide soundstage. EVT circuitry may be turned on and off as needed. The TCE1.5 achieves three channels (left, center and right) via two units, using specially placed center channel speakers that are wired together at the amp. This space-saving design is ideal for waiting rooms, lobbies and other locations where speakers need to be mounted to the side rather than underneath the TV. TFS1.0 speakers complement the TSB3.0 and TCE1.5 as surrounds, or may be used throughout the system for front, center and surround audio. The TCE1.5 includes a wall mount and a smoked acrylic vertical base.

Features

Ultra-thin profile for a sleek appearance

Audiophile-grade sonic performance

Flexible mounting options

Achieve three channels with only two speakers (TCE1.5)

Side-firing drivers for ultra-wide soundstage (TSB3.0)

Applications

Corporate conference rooms

Digital signage

Education

Waiting rooms

Offices and lobbies



TSB3.0



TFS1.0



TCE1.5

	TSB3.0	TFS1.0	TCE1.5
System Type	2-Way Ultra-Thin Soundbar with EVT™ Intelligibility Control	2-Way Ultra-Thin Front and Surround	2-Way Ultra-Thin Center Channel Eliminator
Tweeter	(3) .75" Silk/Synthetic Soft Dome	0.75" Silk/Synthetic Soft Dome	(2) .75" Silk/Synthetic Soft Dome
Woofers	(6) 3" Polypropylene Ultra-Long Throw w/ NBR Surround	(2) 3" Ultra-Long Throw Polypropylene w/ NBR Surround	(3) 3" Ultra-Long Throw Polypropylene with NBR Surround
Additional Drivers	(2) 1" Patented Woven Synthetic Soft Dome Spatial Field Expanders™	Bass Radiators: (2) 3" Ultra-Long Throw Polypropylene w/ NBR Surround	(2) 3" Ultra-Long Throw Polypropylene with NBR Surround
Frequency Response (-3 dB)	75 Hz - 20 kHz	65 Hz - 20 kHz	65 Hz - 20 kHz
Impedance	8 Ω	8 Ω	8 Ω
Program Power	100 W	100 W	100 W
Sensitivity	90.0 dB	90.0 dB	90.0 dB
Height	6.75" / 171.4 mm	6.75" / 171.4 mm	6.75" / 171.4 mm
Width	43.00" / 1092.2 mm	18.50" / 469.9 mm	26.50" / 673.1 mm
Depth	1.50" / 38.1 mm	1.50" / 38.1 mm	1.50" / 38.1 mm
Certifications	CCC	CCC	CCC

RF SERIES

Ease and Versatility

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 discreet speakers to fill in sound (RF31-EZ-T) or replacement drivers for a large retrofit (RF41-20), the RF series from SoundTube makes installations fast and simple.



Features

- 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

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



RF31-EZ-T



RF41-20

	RF31-EZ-T	RF41-20
System Type	3" Full-Range, Raw-Frame	4" Full-Range, Raw-Frame
Frequency Response (-3 dB)	170 Hz - 14 kHz	155 Hz - 22 kHz
Impedance	8 Ω	8 Ω
Max SPL	98.0 dB	101.5 dB
Program Power	10 W	20 W
Coverage	120°	110°
Sensitivity	85.0 dB	88.5 dB
Height	4.75" / 102.7 mm	2.46" / 62.5 mm
Diameter / Width	4.75" / 120.7 mm	12.59" / 320.0 mm
Weight	1.5 lbs. / 0.7 kg (-T) 2.0 lbs. / 0.9	3.5 lbs. / 1.6 kg
Certifications	UL 1480, CE, RoHS, WEEE	CE, RoHS, WEEE

AMP SERIES

Amplification Where You Need It

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. The MA3501t brings 350 watts of mono amplification to 70V installations, while the small MA501t provides 50 watts.



Ultra-Compact

SoundTube's small amplifiers are ideal 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.



SB335: Ideal for Soundbars

The 3-channel SB335 provides the outputs you need for digital signage or video system soundbars, complete with Bluetooth® compatibility and Dolby Digital® decoding.

Features

- 20 or 50 watt stereo output (powered amps)
- 50 or 350 watt mono output (70V amps)
- Aluminum housing
- Integrated heat sink
- Flexible power inputs
- Flexible audio inputs
- Flexible mounting options
- External power supply 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.



Input/Output Options

Balanced and unbalanced audio I/O is available, with some models offering high level (amplified) inputs.



Powerful Mono Amplification

Anything but small, the MA3501t is a class G, high-current mono amplifier offering 350 watts for distributed sound applications.

Applications

- Retail kiosks
- Digital signage with sound
- 70V installations
- Videoconferencing carts
- Classrooms
- Meeting rooms
- Museums
- Portable A/V carts



SA202



SA502



SB335



MA501t



MA3501t

	SA202	SA502	SB335	MA501t	MA3501t
Power Per Channel @ < 10% THD	20 W (4 Ω stereo) 10 W (8 Ω stereo)	55 W (8 Ω stereo) 70 W (4 Ω stereo)	35 W 8 Ω (3 channels) 50 W 8 Ω (2 channels)	N/A	N/A
Power per channel @ < 1% THD	15 W (4 Ω stereo) 8 W (8 Ω stereo)	50 W (8 Ω stereo) 65 W (4 Ω stereo)	40 W 8 Ω (3 channels) 55 W 8 Ω (2 channels)	50 W 25V/70V/100V	350 W (4 Ω) 225 W (8 Ω) 350 W 25V/70V/100V
Bridged mono power @ < 1% THD	N/A	90 W (4 Ω)	N/A	N/A	N/A
Signal to Noise Ratio	92 dB (100 Hz, 12 dB/oct, 4 Ω, A-Weighted)	>83 dB (50 W)	>84 dB Unweighted	>84 dB Unweighted	>85 dB Unweighted
Input Impedance	6k Ω	47k Ω (line level) 600 Ω balanced	10k Ω unbalanced	20k Ω unbalanced 15k Ω balanced	20k Ω unbalanced 10k Ω balanced
Max. Gain	35 dB	34 dB (8 Ω)	34 dB (8 Ω)	N/A	N/A
Height	1.23" / 31.2 mm	1.25" / 32.0 mm	1.25" / 32.0 mm	1.25" / 32.0 mm	3.50" / 88.9 mm With Feet - 3.75" / 95.2 mm
Width	3.98" / 101.1 mm	3.90" / 100.0 mm	3.90" / 100.0 mm	3.90" / 100.0 mm	19.00" / 482.6 mm
Weight (amp only)	0.55 lbs. / 0.25 kg	0.56 lbs. / 0.26 kg	0.93 lbs. / 0.422 kg	1.6 lbs. / 0.73 kg	29.5 lbs / 13.38 kg
Certifications	CE, ROHS	UL 60065, CE, ROHS	UL 60065, CE, ROHS	UL 60065, CE, ROHS	UL 60065, CCC, CE, ROHS

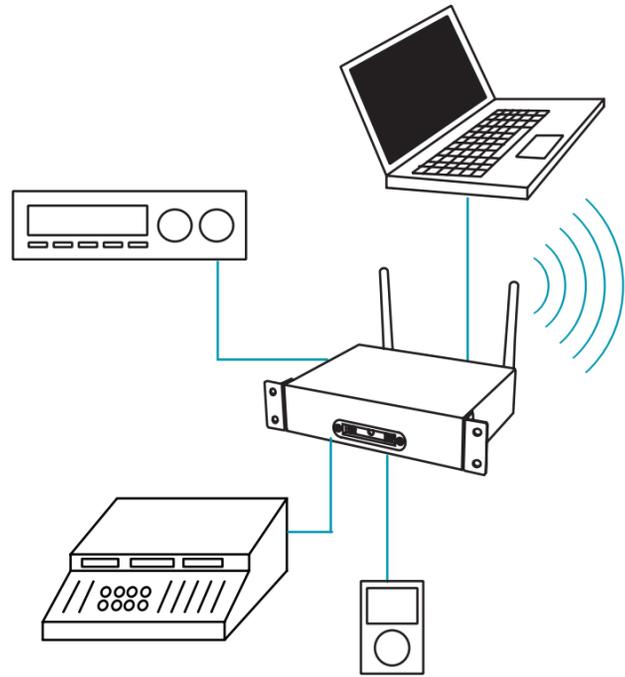
Uncompressed Streaming Digital Audio

Designed to work with all SoundTube speakers (as well as other brands), the WLL-TR1p-II enables the placement of speakers in locations where running wires may be difficult or impossible. This new generation of WLL products includes operation in three frequency bands: 2.4 GHz, 5.2 GHz and 5.8 GHz, which helps to minimize interference and ensure the best signal path. The system utilizes uncompressed digital streaming audio and provides two 50W outputs at each receiver. Multiple receivers may be used with a single transmitter. Transmitter inputs include balanced, stereo mini and USB.

Endless possibilities for extending your audio reach

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



Versatile input options

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.

Features

Uncompressed audio for maximum fidelity

3 frequency bands with 3 RF channels (2.4GHz, 5.2GHz and 5.8GHz) per band 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



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.

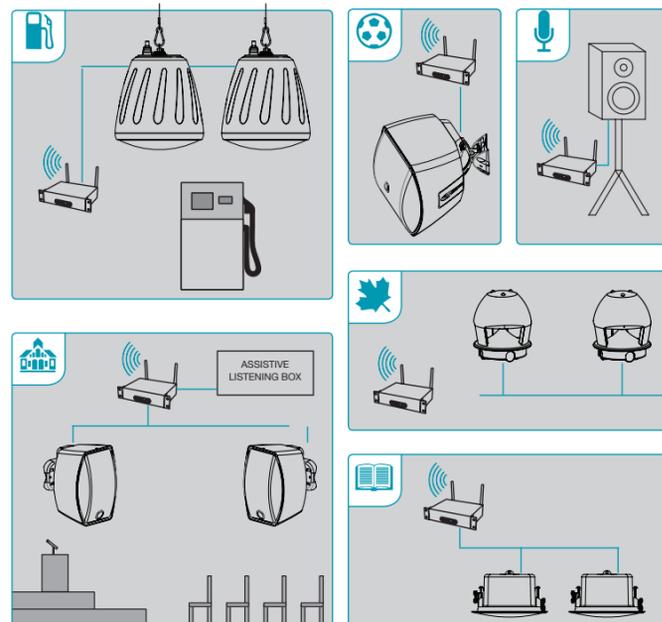


Sports stadiums - Remotely place an RX1p receiver in the stadium and feed surface-mount speakers (such as the SoundTube SM890i-WX) the audio from the announcer's box - all you need is power at the RX1p. (Make sure it's shielded from the weather!)



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.

Receiver options



WLL-TX1-II



WLL-RX1p-II

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" / 44.4 mm	1.75" / 44.4 mm
Depth	6.50" / 165.1 mm	6.50" / 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



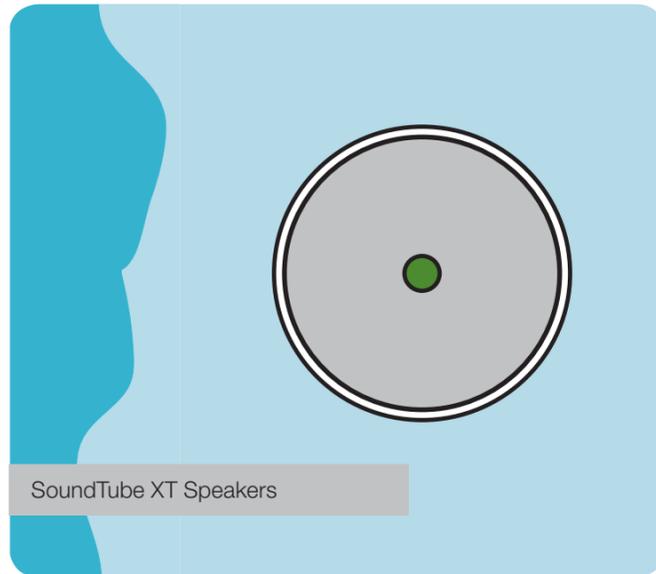
At SoundTube, we think outdoor audio quality should rival that of indoor installations. As a result, our XT speakers have set a new standard for performance in outdoor music and paging.

The XT line includes our omnidirectional XT550 and XT850, made with industrial-strength enclosures for long life and performance and theft-resistance brackets that sink deep into the ground. New to the XT line are three models from our sister company Rockustics: the XT-SurroundStone 5, XT-SurroundStone 8 and the XT-PowerRock. Both SurroundStone models provide omnidirectional coverage while the XT-PowerRock includes a compression driver for long throw and superior high-frequency dispersion. All models include multi-tap transformers with bypass settings.

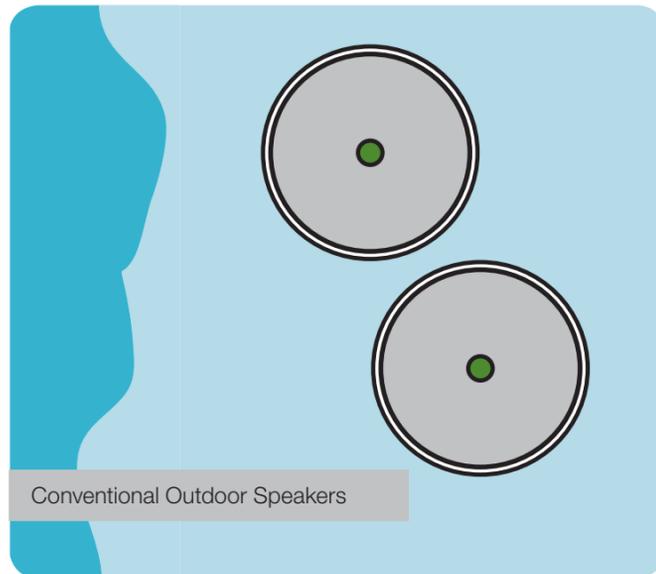
Complement your outdoor speaker installation and provide extra-long throw with the XT-Spyke, a weatherproof line array. It uses eight 3.0" polypropylene woofers and eight 1" titanium dome tweeters in a sealed, weather resistant enclosure. The XT-Spyke can be wall or pole mounted, or can be ordered with a "spike" mount for placing in garden areas. An optional 120 watt transformer with six position tap switch is available.

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.



SoundTube XT Speakers

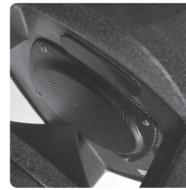


Conventional Outdoor Speakers



Color Options

The XT550 and XT850 are available in Green and White Sandstone; rock speakers are available in Brown, Gray and Sandstone; the XT-Spyke is available in Green, Black or White (paintable).



Universal System Adaptability

XT speakers (optional on the XT-Spyke) include weatherproof transformers that allow for constant-voltage applications as well as transformer bypass settings.



Theft Control Hardware

XT550 and XT850 speakers come with anti-theft brackets which allow deep anchoring of speakers. Rock speakers that are mounted on hard surfaces may be anchored with an optional bracket.



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.



Omnidirectional Coverage

The XT550, XT850 and XT-Surround Stone models provide full frequency sound dispersion and complete omnidirectional coverage.

Features

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

Applications

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



XT550



XT850

	5.25" Coax	8" Coax
System Type	5.25" Coax	8" Coax
Frequency Response (-3 dB)	61 Hz - 9.5 kHz	51 Hz - 10 kHz
Impedance	4 Ω	4 Ω
Max SPL	101.0 dB	105.0 dB
Program Power	60 W	100 W
Coverage	360° Horizontal 40° Vertical	360° Horizontal 40° Vertical
Sensitivity	83.0 dB	85.0 dB
Height	15.51" / 394.0 mm	16.42" / 417.1 mm
Diameter	14.10" / 358.1 mm	14.17" / 359.9 mm
Weight	13.0 lbs. / 5.9 kg	16.7 lbs. / 7.6 kg
Certifications	UL 1480, CE, RoHS, WEEE	UL 1480, CE, IP55, RoHS, WEEE



XT Surround Stone™ 5*



XT Surround Stone™ 8*



XT PowerRock*



XT-Spyke*

	5.25" coax	8" coax	8" 2-way	2-Way Full Range Line Array
System Type	5.25" coax	8" coax	8" 2-way	2-Way Full Range Line Array
Frequency Response (-3 dB)	53 Hz - 20kHz	38 Hz - 22 kHz	45 Hz - 20 kHz	85 Hz - 20 kHz
Impedance	4 Ω	4 Ω	8 Ω	8 Ω
Max SPL	103.0 dB	106.5 dB	118.0 dB	115 dB
Program Power	75 W	70 W	125 W	150 W
Coverage	360° Horizontal	360° Horizontal	80° Horizontal 80° Vertical	120° Horizontal and 50° Vertical (500-10k)
Sensitivity	84.0 dB	88.0 dB	97.0 dB	92.0 dB
Height	12.50" / 317.5 mm	14.00" / 355.6 mm	17.75" / 450.8 mm	37.37" / 949.3mm
Diameter	15.00" / 381.0 mm	17.25" / 438.1 mm	n/a	n/a
Width	n/a	n/a	17.75" / 450.8 mm	6.80" / 172.7mm
Depth	n/a	n/a	14.50" / 368.3 mm	5.5" / 139.7mm
Weight	40.1 lbs. / 18.2 kg	52.6 lbs. / 23.9 kg	48.0 lbs. / 21.77 kg	17.2 lbs / 7.8 kg
Certifications	n/a	n/a	n/a	CE, RoHS, WEEE (IP Testing Planned)

* Preliminary data

MSE AUDIO®

Parent company of major manufacturing brands, MSE Audio utilizes the latest audio technology to produce the best sounding speakers in the world. With multiple design and manufacturing centers across the residential and commercial spheres, the products rely on synergistic, cross-platform engineering to deliver exceptional durability, industry-leading quality control, and refined aesthetics.

MSE Audio's Jacksonville, FL location (home of Phase Technology) occupies a special niche in today's audio industry as it is one of the few fully vertically-integrated speaker manufacturers in America producing drivers, crossovers, cabinets and systems. Unlike most brands, which rely on offshore manufacturers to design their speakers, every speaker and speaker system in the MSE Audio catalog is designed, prototyped, and performance proven in Jacksonville before being produced in one of its factories.

Check out SoundTube's sister brands below:



SOUNDTUBE® ENTERTAINMENT

THE CURE FOR THE COMMON SPEAKER™

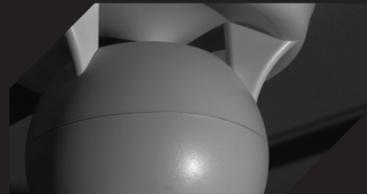
Designed for broad, intelligible coverage with superior musicality, SoundTube speakers elevate the audio experience. From the Original Pendant Speaker to models for in-ceiling, surface-mount, IP-addressable, outdoor, focused-point and more, we offer speaker solutions for nearly every application.



SolidDrive® SOUND WITHOUT SPEAKERS™

SOUND WITHOUT SPEAKERS™

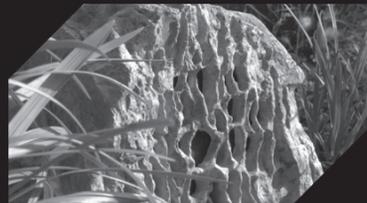
SolidDrive® is the solution for invisible sound, providing a hidden sound source for in-wall, surface mount and glass applications. Unique technology transforms surfaces into sound-producing planes that blanketed whole rooms with music and soundtracks. SolidDrive products are made in the USA.



SOUNDSPHERE® LOUDSPEAKERS

THE BEST SOUND AROUND™

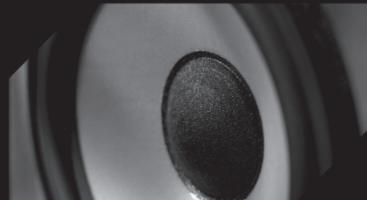
Designed for on-ceiling and in-ceiling uses, Soundsphere speakers produce a diffuse sound field with a wide coverage pattern ideal for PA announcements and music. Soundsphere products are made in the USA.



Rockustics®

ULTRA-FIDELITY OUTDOOR SPEAKERS™

Rockustics® offers an extensive line of high-fidelity, all-weather outdoor speakers for both home and commercial applications. Each model is designed to enhance the environment by providing the highest quality sound with unparalleled lifelike aesthetics. Handcrafted in the USA.



INDUCTION DYNAMICS

AUDIO PERFECTION REALIZED™

Induction Dynamics® speakers are engineered to achieve precise sound in any home theater and are hand-tuned to exact specifications. This meticulous attention to detail and craftsmanship results in design qualities and system-wide performance unlike any other.



PHASE TECH

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.

