



AUDIOBEAM

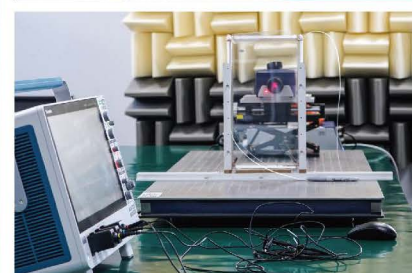
**Directional Speaker
Product Catalog**

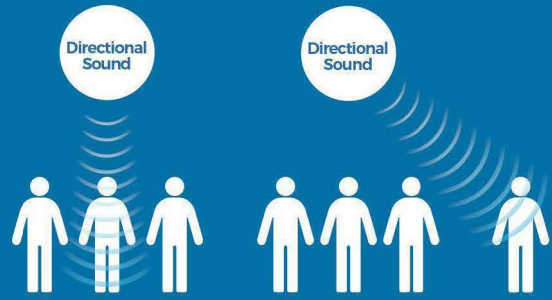


AUDIOBEAM

AUDIOBEAM use a revolutionary audio technology to creates sound in a narrow beam, it directs sound to your desired listening area in a highly directional manner just like the light of a flashlight. It provides an effective way to deliver sound to a specific area and creates a precise and independent audio zone that deliver an immersive, noisy-free and 3D-like audio experience.

Besides the AUDIOBEAM [directional sound technology](#), has also successfully applied [sound source localization](#), [sound imaging](#), [active noise control](#) etc. into commercial use. Using the newest and reliable technology, we are also committed to providing customization service based on clients' requirements.





Target Sound Exactly Where You Need It

The Sound Technology is a groundbreaking innovation in audio, designed to deliver sound with pinpoint precision. This revolutionary technology creates a narrow, focused beam of sound that targets specific listeners in designated areas, ensuring sound is delivered exactly where it's needed.

Unlike traditional speakers that spread sound in all directions, our Directional Sound Technology directs sound along a precise path, similar to how a spotlight focuses light. This allows for unparalleled sound control, making it ideal for applications requiring clarity and minimal sound spillover.



Focused Sound Delivery

Direct sound on desired areas for isolated soundscape.



Low Volume Clarity

Clear sound at lower volumes.



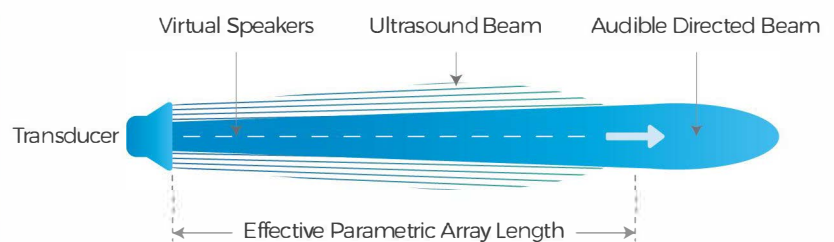
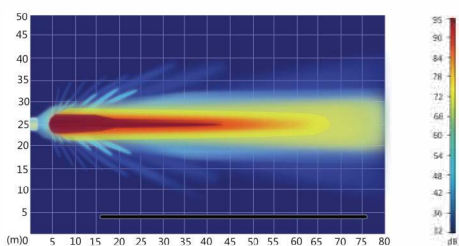
Noise Reduction in Open Spaces

Reduces noise pollution by isolating sound zone.



Flexibility

Various integration possibilities / customizable solution for different applications.



Applications for Directional Sound Technology



Museums

Audio isolation is essential in modern museum setting. The directional speaker system delivers sound selectively to specific interactive exhibits, precisely targeting where it's needed. This approach enhances the visitor experience while preserving the quiet, serene atmosphere that museums require.



Digital Signage

Traditional kiosk displays often remain silent due to the challenges of omnidirectional sound, which disrupts surrounding areas. The directional speakers solve this issue by delivering focused, isolated audio, making them ideal for engaging advertising and interactive digital signage applications.



Retail and Markets

Retailers frequently face difficulties incorporating audio into their in-store messaging without causing disturbances. The directional speakers create precise audio zones, enabling targeted messaging and enhancing customer engagement. They also streamline operations by supporting self-service options, potentially reducing employee workload and operating costs.



Trade Shows

Noisy trade show environments make capturing audience attention challenging. The directional speakers cut through the noise, delivering crisp, clear audio directly to your booth's visitors. This targeted approach not only ensures your message is heard but also enhances the overall visitor experience by maintaining a comfortable volume level.



Expanding Possibilities

Beyond these key applications, the directional sound technology offers limitless potential across various industries. From enhancing customer experiences in hospitality and healthcare to creating immersive soundscapes in entertainment venues, its versatility makes it a powerful solution for any environment requiring precise audio control. Whether you're looking to implement targeted audio in education, transportation, or public spaces, we provide the tools to bring your vision to life.

Directional Speaker Portfolio

As one of the foremost experts in directed audio technology all over the world, It has a series of standardized directional Sound Products suitable for different application scenarios. Additionally, We are able to provide customers with personalized, customized directional sound modules and products, accordingly to their special requirements on size, shape, color, acoustic specifications, etc.



Our Standard Directional Sound Products

Explore our diverse range of directional sound solutions, designed for a wide array of applications and environments.

AFS-Mini



AFSC3-AX2



AFSC5-AB1/AB2



AFSC3-AR2



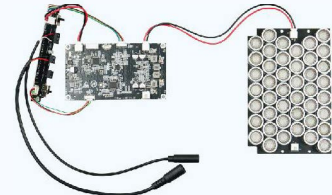
AFSC2-AL1



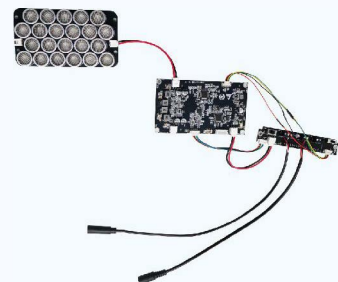
Module Product Solutions

Tailor your audio experience with our modular offerings, designed to adapt seamlessly to your unique requirements.

Alp-43



Alp-22



A-Cube-21



Our Standard Directional Sound Products



Model Mini »

Model Mini is the minimum size product in the directional speaker series. It has a very simple and beautiful appearance with a built-in amplifier. Connecting it to the power and the sound input like your smart phones or tablets, you will get a clear and individualized sound zone in your office or your living room.



Model	AFS-mini-B	Power Requirements	12V DC/2A
Directivity Angle	<15° (-20dB)	Rated Power	15W
Frequency Range	500Hz-12kHz	Input sensitivity	0.5 Vrms
Installed Accessories	Triangle Bracket (1 piece)	Dimension	170 x 70 x 45mm
Audio Line	3.5mm Dual-Channel Audio Cable(1.5m)	Weight	350g
Input Interface	3.5mm AUX/Bluetooth	Color	Black Shell Black Mesh / White Shell Black Mesh
Power Adapter Spec.	(Input) 110-220Vac 50/60Hz (Output) 12V DC/2A	Volume (Maximum SPL)	74±3dB@2m/1kHz
		Peak value	80dB

Model Mini Application

Model Mini usually used in quiet and tranquil interior spaces, also can be used in your home, office, study room for immersive personal audio experience.



Model AX2 »

Model AX2 is the finest and latest version of the directional speakers, crafted with an integrated amplifier and utilizing the most up-to-date audio algorithms, AX2 redefines the boundaries of acoustic perfection, features dual audio channels that culminate in a rich stereo experience.

By enriching sound clarity and intelligibility, AX2 serves as a game-changer for individuals with varying degrees of hearing impairment by elevating their listening experience to new heights.



Model	AFSC3-AX2	Size	272x69x30mm (Excluding stand) 272x75.5x69mm (With stand)
Max SPL	Mono: 71±3dB@2m/1kHz Equivalent Sound Pressure Level: 77±3dB@2m/1kHz	Weight	395g (Excluding stand) 430g (With stand)
Peak value	82dB	Power Rating	15W
Directivity	<15°(-20dB)	Accessories	Wall Bracket Rotating Base
Input sensitivity	0.5Vrms	Color	Black Gray
Frequency Range	500Hz-20kHz	Audio cable	3.5mm Audio Cable (1.5m)
Audio Inputs	3.5mm AUX/Bluetooth/Type-C	Adapter	(Input)110-240Vac 50/60Hz (Output)24V DC/2A
Control	LINE IN		
Temperature Range	0°-45°C	Indicator	Rhythm LEDx7 Power Indicatorx1 Bluetooth Indicator x1
Operation Humidity	0-90%		

Model AX2 Application

The Model AX2 serves both personal and commercial purposes. Individuals facing hearing challenges with conventional speakers can rely on the AX2 to elevate their auditory experience. In commercial settings, the AX2 excels in small exhibitions and tranquil interior spaces where sound zoning is required.



Model AB1/AB2 »

Model AB is the most popular directional speaker all over the world that provides completely directional sound solutions that enables you to add sound to where ever you want and keep it in just where you need it to be.



Model	AFSC5- AB1/AB2	Power Requirements	24V DC/3A
Directivity Angle	<15° (-20dB)	Rated Power	B1: 16W / B2: 20W
Frequency Range	500Hz-20kHz	Input sensitivity	0.5Vrms
Installed Accessories	75x75mm Universal Bracket	Dimension	294 x 169 x 29mm
Audio Line	3.5mm Audio Cable (1.5m)	Weight	B1: 1450g / B2: 1500g
Input Interface	3.5mm AUX/USB	Color	Gray / White
Power Adapter Spec.	(Input) 100-240Vac 50/60Hz (Output) 24V DC/3A	Volume (Maximum SPL)	B1: 78±3dB@2m/1kHz B2: 83±3dB@2m/1kHz
USB function features	External U disk playback 2.0 standard (maximum support 32G) Support audio file format: MP3, WAV Support file system format: FAT, FAT32	Peak value	B1: 82dB / B2: 85dB
		Priority	Automatically default U disk playback after inserting the U disk

Model AB1/AB2 Application

It's most commonly used in indoor scenes including museums, library, hospital, bank, digital signs, retail stores, trade shows and galleries etc. Model AB is available for all mounting solutions, including walling mounding, ceiling mounting, or integrated to a display etc.



Model AR2 »

Model AR2 is specially designed for ceiling scenarios. Beautiful appearance, integrated design (with the amplifier built-in) makes it perfect for integrating with the application scenarios.



Model	AFSC3- AR2	Power Requirements	24V DC/3A
Directivity Angle	<15° (-20dB)	Rated Power	18W
Frequency Range	500Hz-20kHz	Input sensitivity	0.5Vrms
Installed Accessories	22x50mm Spring Buckles	Dimension	∅ 237 x 54.2mm
Volume (Maximum SPL)	81±3dB@2m/1kHz	Weight	800g
Peak value	85dB	Color	White
Input Interface	3.5mm AUX / RCA / USB	USB function features	External U disk playback 2.0 standard (maximum support 32G) Support audio file format: MP3, WAV Support file system format: FAT, FAT32
Power Adapter Spec.	(Input) 100-240Vac 50/60Hz (Output) 24V DC/3A		
Audio Line	3.5mm Audio Cable / RCA audio cable Standard: 1.5m RCA Audio Cable	Priority	Automatically default U disk playback after inserting the U disk

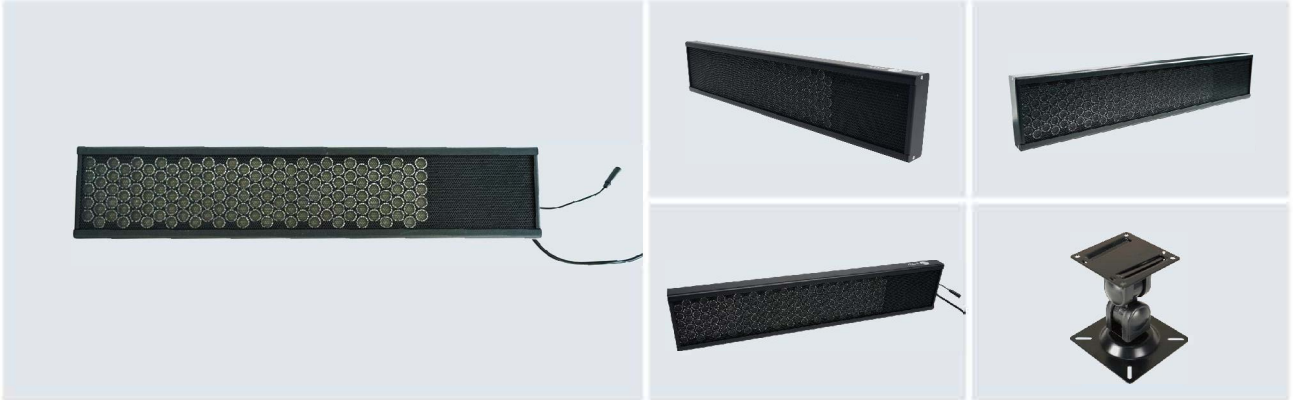
Model AR2 Application

Model AR2 is commonly used in indoor scenes including museums, digital signs, retail stores, trade shows and galleries etc. It provides an effective way to deliver sound to a specific area and yet preserve quiet in areas nearby, creating precisely-controlled and independent audio zone in an open space.



Model AL1 »

Model AL is specially designed for semi-outdoor use. With a high sound pressure level, model AL can meet the complex demand in noisy environment outdoors. The strip-shaped appearance makes it very suitable for integration application with display products such as advertising machines and digital signs.



Model	AFSC2- AL1	Power Requirements	24V DC/3A
Directivity Angle	<15° (-20dB)	Rated Power	25W
Frequency Range	600Hz-13kHz	Input sensitivity	0.5Vrms
Installed Accessories	75x75mm Universal Bracket	Dimension	590 x 118 x 36mm
Audio Line	3.5mm Audio Cable (Not included)	Weight	1700g
Input Interface	3.5mm AUX	Volume (Maximum SPL)	Equivalent Sound Pressure Level: 85db@2m/1kHz
Color	Black		
Power Adapter Spec.	(Input) 100-240Vac 50/60Hz (Output) 24V DC/3A	Peak value	88dB

Model AL1 Application

Model AL is commonly used in semi-outdoor scenes including advertising machine and billboard. It's also can be used in noisy indoor applications including advertising, digital signs, retail stores, trade shows, train station etc. It's a revolutionary new audio technology that provides an effective way to deliver sound along a fixed direction in an extremely narrow beam, in this way the sound could be precisely controlled and target your desired listening area.



A-CUBE-21

Directional Speaker

**Modular. Precise.
Designed to Fit Anywhere.**

A next-gen directional speaker engineered for flexibility, easy integration, and seamless aesthetics—perfect for modern interactive spaces.



Key Features



Modular & Expandable

Configure as 2, 3, or 4 units to suit different installation needs—flexible by design.



VESA-Compatible Mounting

Supports multiple mounting options and fits standard VESA brackets (100mm) for a secure and professional finish.



Engineered for Easy Installation

All interfaces are designed for standardized, on-site assembly, ensuring faster, more efficient setup.



Flat. Thin. Elegant.

Modern, minimalist profile that blends into any environment—from museums to retail spaces.

Parameter	Spec	Rated Power	15W
Dimension	300x150x19mm (L*W*H)	System Voltage	24V DC/2A
SPL	78±3dB@2m/1kHz	Input Sensitivity	0.5Vrms
Directivity Angle	< 15° (-15dB)	Input Interface	3.5mm/Balanced input
Frequency Range	400Hz-20kHz	Temperature range	-15°C-45°C
THD	< 10%	Working humidity	0-90%
Mounting brackets	Optional Universal Bracket, optional Fixed Bracket, or standard 100x100mm VESA brackets		

Module Product Solutions



Focused Sound Delivery

Sound focused in a specific zone or area.



Scalable Configurations

Combine 2, 3, or 4 units to achieve the desired coverage.



Multiple Mounting Options

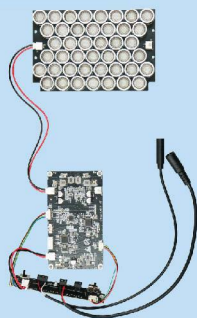
Wall-mounted, ceiling-suspended, or integrated into existing designs.



Plug-and-Play Interfaces

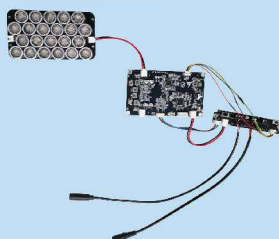
Simplifying on-site construction and installation.

Alp-43



Dimensions	Sounding emitting module: 134 x 89 x 13.7mm (l*w*h)
SPL	74dB±3dB@2m / 1kHz
Shape	Square
Directivity Angle	-20dB@±30°
Interface	3.5mm Audio cable / Balanced input, Power interface.
Sound effect	Single channel / Dual channel
Power	13W
Scalability	Combine up to 4 units

Alp-22



Dimensions	Sounding emitting module: 105.6 x 59.9 x 13.7mm (l*w*h)
SPL	69dB±3dB@2m / 1kHz
Shape	Square
Directivity Angle	-20dB@±30°
Interface	3.5mm Audio cable / Balanced input, Power interface.
Sound effect	Single channel / Dual channel
Power	11W
Scalability	Combine up to 6 units

Customized Solutions



While directional speakers come in multiple series to cater to a wide range of application scenarios, we also offer tailored customization of directional speaker products and solutions according to your requirements.

A team of experts oversees the entire customization process, including design, engineering, prototyping, and full-scale production.



Size and Shape



Color and Appearance



Spec



Application and Scenario

Whether you're looking for fully customized solutions or ready-to-deploy modules, we specialize in crafting tailored audio experiences using advanced directional sound technology, designed to elevate your soundscape and propel innovation in your industry.



Application-Specific Designs

Customized for acoustically challenging environments.



Seamless Integration

Aligning perfectly with your design or branding goals.



End-to-End Support

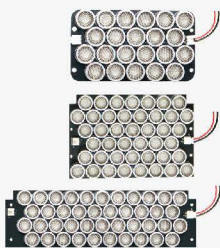
From initial planning to post-installation fine-tuning.



Diversified Customization Options

From specifications, shape, size, interfaces, to sound channels, expand-ability, and more.

Piezo directional speaker



Dimensions	Any size, recommended 5cm*10cm or larger
Shape	Any shape, square or circular preferred
Interface	3.5mm Audio cable / Balanced input, Power interface.
Sound effect	Single channel / Dual channel
Scalability	1 to 1, 1 to 2, 1 to 3, etc.

Co-create products that meet your needs.