

**Noble Sound meets interior design**  
Powerful - Untamed - Invisible



Product Portfolio 2026/01/01

# Noble Sound meets interior design



# That's LoftSonic

## Noble sound meets interior design

LoftSonic invisibly integrates high end sound into architectural products, furniture and designs, creating a unique symbiosis of visual and audiophile perfection.

## Materials

In national and international cooperations with material manufacturers, processors and system integrators from medium-sized businesses to large industrial players we have jointly developed technologies to let beside wood, laminates and drywall materials also natural stone, mosaic, glass, metal etc. to play on the highest audiophile levels possible.

Our wealth of experience in invisible loudspeaker integration into surfaces by factory guarantees an almost infinite choice of materials. This ensures utmost freedom in the materiality of the designs.

## Function

LoftSonic loudspeaker modules are very flat vibrating sound surfaces that are put into microscopically small vibrations by electrical impulses from vibrating exciters attached to the backside, just like the strings of an acoustic string instrument cause the body of the instrument to vibrate.

Our invisible technology integrates seamlessly into the backside of the front panel of an architectural product, piece of furniture or design in a way that it becomes a sound surface by itself.

## Manufacture

LoftSonic is a technology leader with 25 years of experience in the development and manufacturing of invisible sound systems.

Together with end customers, designers, architects, planners and system integrators, dreams come true that combine the highest demands in interior design with invisible sound systems on the highest quality level possible.

## A league of its own

LoftSonic plays in a league of its own. Highly emotional. It is characterized by naturalness, lightness, dynamics, precision and subtlety, paired with a three-dimensional image and sound stage that compares to a visit in a concert hall.

This unforgettable experience creates goosebumps over and over again. It feels as if there were no loudspeakers involved and you are participating in a live performance.

## Hearing is believing

Emotions and inspirations evolve from breathtaking experiences. With LoftSonic this happens within the first few seconds of listening. Spectacular sound that is unique in its holistic conception.

Based on highly emotional moments, which we experience again and again during our product presentations, we can rightly claim that it is the first encounter with the sound of LoftSonic that creates a lasting listening impression and causes people to decide for LoftSonic on the spot.

# LoftSonic Function

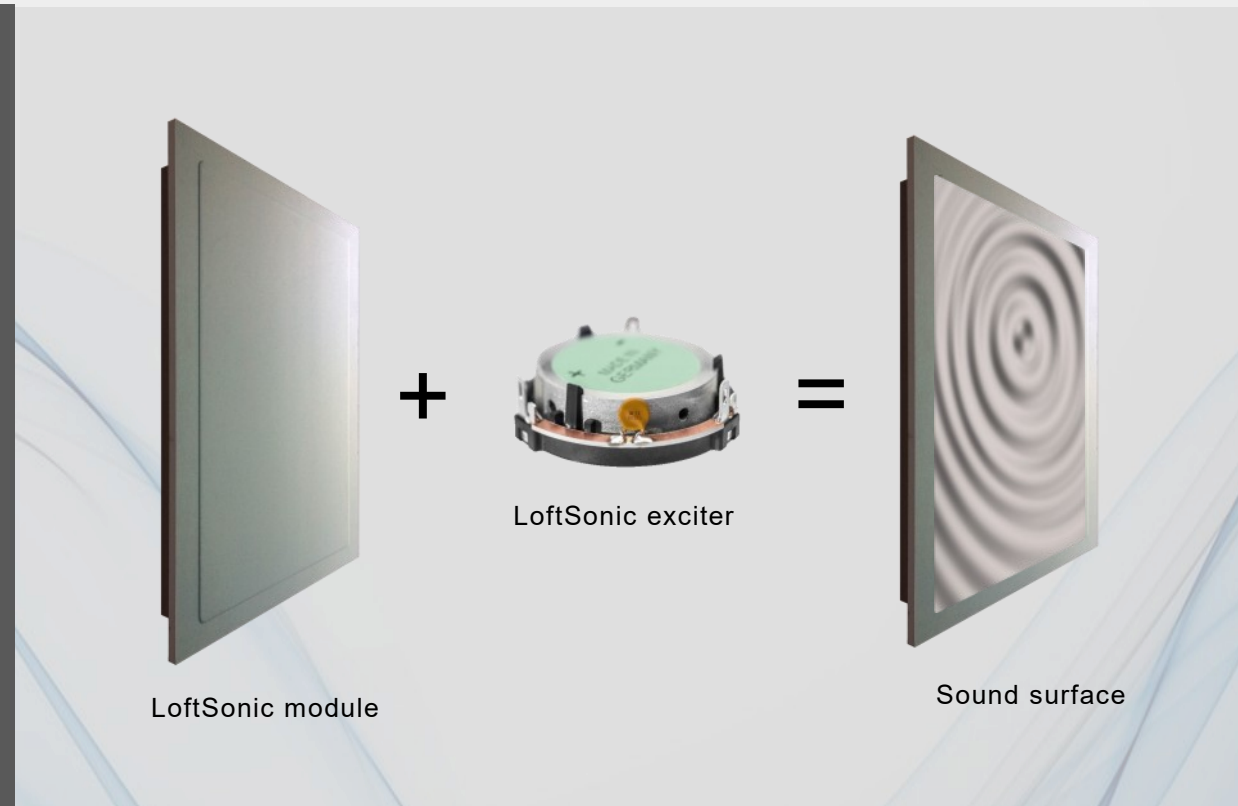
## The LoftSonic sound surface

LoftSonic flat panel speakers are vibrating sound bodies. Similar to acoustic musical instruments, the surface is set into microscopic vibrations. In LoftSonic, this is achieved through so called electromagnetic exciters.

Our invisible technology is seamlessly integrated into the original front material of an architectural product, piece of furniture, or design, transforming itself into a sound-emitting surface.

## Sound everywhere in the room

The wide dispersion from low to high tones creates a very homogeneous sound image throughout the room. So everyone can enjoy the wonderful sound.



# LoftSonic is decisively different. Emotional.



## Patented Technology Breakthrough

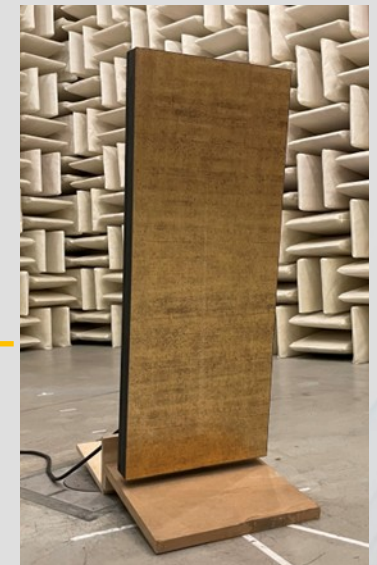
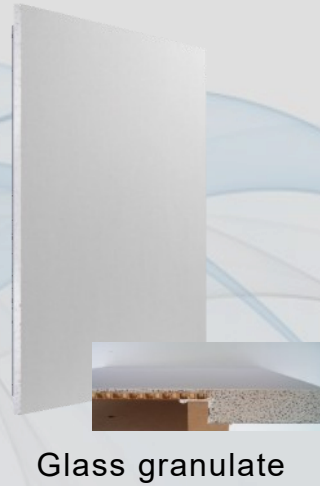
Unlike other invisible flat panel loudspeakers, LoftSonic sound surfaces do not produce diffuse sound thanks to a new and sophisticated technology. On the contrary.

They depict extremely powerfully, directly and with impressive three-dimensionality.

Dynamics

Live

# Material examples and invisible integration by factory



The integration into original materials by factory ensures a perfect finish

Natural stone as thin stone

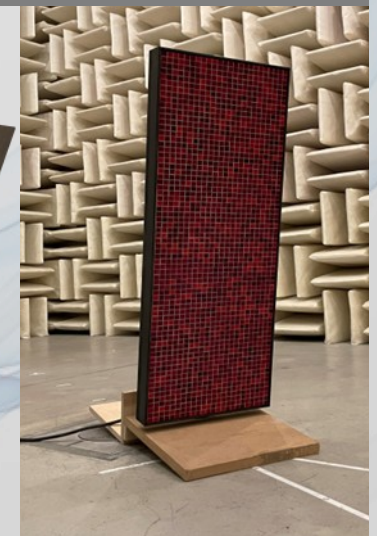
Glass



Alu-Dibond

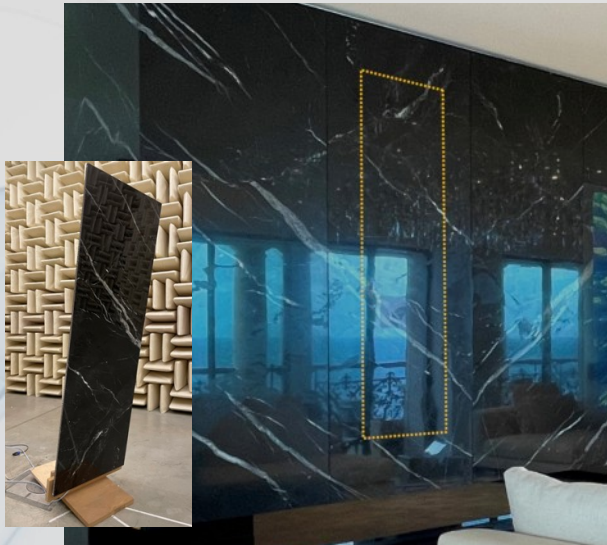


Furniture / wood



Mosaic

# Customization / Calibration



Thin stone



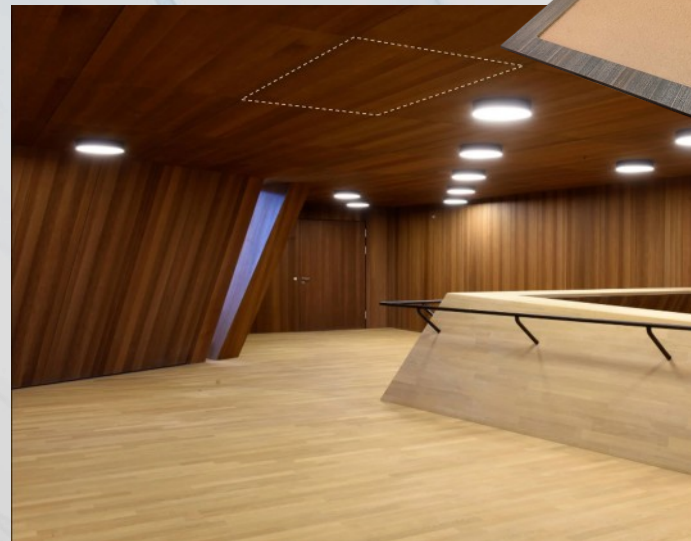
Furniture and drywall



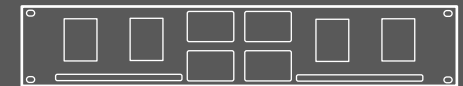
Precise calibration



Aluminum facade with LED Wall



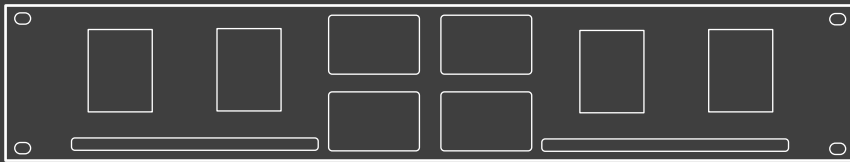
Wooden cladding



All speaker settings are programmed in the LoftSonic DSP amplifier independently of the smart home audio system

# Precision Drive / Compatibility

## LoftSonic DSP Precision Amplifier



The LoftSonic system amplifiers are the precision engines behind LoftSonic sound systems. Exactly tuned, these DSP amplifiers perfectly match the high-power speaker modules, delivering up to 6000 watts of ultimate control - and an unrivaled fun factor when you release LoftSonic from the leash.

## Modern Smart-Home Systems




The connection to almost all modern smart home (multiroom) audio systems is easily possible in existing buildings or when planning new homes or rooms.

## Third-Party DSP-Platforms and Audio-Amplifiers



Operation with selected audio amplifiers and DSP platforms from other manufacturers possible

# Mid-high speakers and mid-high line speakers in plasterboards (12,5 mm)



Model	Dimensions mm	Power Handling*
Phase-Line 120 DW	500 x 625 x 66	120 W / 8 ohms
Phase-Line 240 DW LS	450 x 1200 x 66	240 W / 4 ohms
Phase-Line 400 DW LS	450 x 1835 x 66	400 W / 4,8 ohms
Phase-Line 700 DW LS	450 x 1995 x 66	700 W / 4 ohms

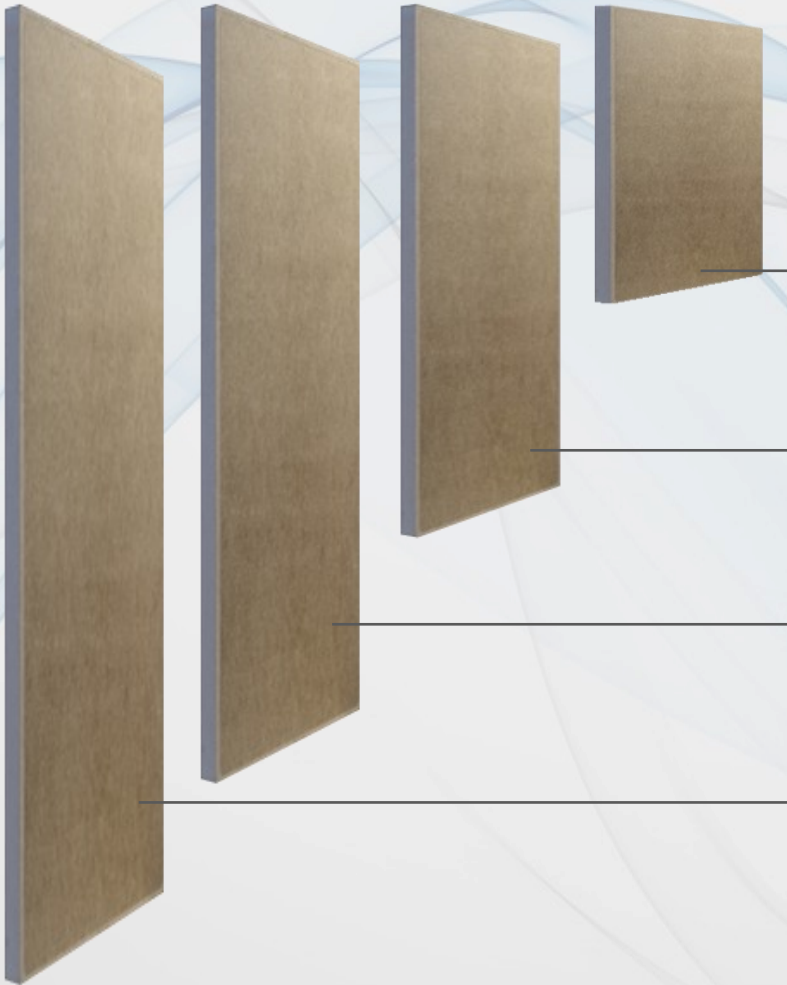
\* Power handling peak with high pass LR 220 Hz 24 dB/octave

When installing in vertical surfaces, install upright.

This information is intended to provide advice to the best of our knowledge. However, the content is not legally binding. We reserve the right to make technical changes at any time without prior notice.

# Mid-high speakers and mid-high line speakers for variable materials,

e.g. gypsum fiber boards, glass granulate, Alu-Dibond, natural stone, glass, mosaic etc.



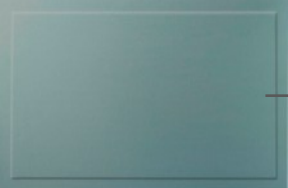

Model	Dimensions mm	Power Handling*
Phase-Line 120 CM	435 x 570 x 64	120 W / 8 ohms
Phase-Line 240 CM LS	395 x 1140 x 64	240 W / 4 ohms
Phase-Line 400 CM LS	395 x 1775 x 64	400 W / 4,8 ohms
Phase-Line 700 CM LS	395 x 1935 x 64	700 W / 4 ohms

\* Power handling peak with high pass LR 220 Hz 24 dB/octave

When installing in vertical surfaces, install upright.

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# Mid-high speakers for applications in drywall construction as a center below/above a display and for lowboard furniture flaps


	Model	Dimensions mm	Power Handling*
	Phase-Line 120 DW CE	625 x 410 x 66	120 W / 8 ohms
	Phase-Line 240 DW CE	625 x 410 x 66	240 W / 4 ohms
	Phase-Line 120 CM LB	570 x 350 x 64	120 W / 8 ohms
	Phase-Line 240 CM LB	570 x 350 x 64	240 W / 4 ohms
			

\* Power handling peak with high pass LR 220 Hz 24 dB/octave

When installing in vertical surfaces, install crosswise.

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# Mid-high line speakers for integration behind fabric coverings



Model	Dimensions mm	Power Handling*
Phase-Line Concert 400 CS	305 x 1090 x 118	400 W / 8 ohms
Phase-Line Concert 700 CS	305 x 1700 x 118	700 W / 4 ohms

\* Power handling peak with high pass LR 220 Hz 24 dB/octave

When installing in vertical surfaces, install upright.

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# 12" woofers



Completely invisible without  
sound outlet

Model  
Sub 12 DW

Dimensions mm  
685 x 685 x 135

Power Handling\*  
250 W (500 W Peak) / 8 ohms



Sub 12 SF

430 x 570 x 198

250 W (500 W Peak) / 8 ohms



Sub 12 FF

410 x 440 x 135

250 W (500 W Peak) / 8 ohms

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# Double 12" woofers



Impulse compensated

Model  
Sub 302 DF

Dimensions mm  
800 x 420 x 302

Power Handling\*  
500 W (1000 W Peak) / 4 ohms



Sub 12-2 SF

820 x 570 x 198

500 W (1000 W Peak) / 4 ohms



Impulse compensated

Sub 12-2 DF

650 x 360 x 360

1600 W (3200 W Peak) / 4 ohms



Impulse compensated




Sub 12-2 DF Slot

650 x 440 x 360

1600 W (3200 W Peak) / 4 ohms




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# 15" and double 15" woofers

	Model	Dimensions mm	Power Handling*
	Sub 15 FF	470 x 470 x 395	1000 W (2000 W Peak) / 8 ohms
	Sub 15-2 FF	940 x 470 x 395	2000 W (4000 W Peak) / 4 ohms
 Impulse compensated	Sub 15-2 DF	1060 x 510 x 440	2000 W (4000 W Peak) / 4 ohms

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# 19" DSP-Amplifiers

	Model	Dimensions mm	Power
	Power-Rack 1000-2	19", 2 HE	2 x 500 watts (1 x 1000 watts bridged)
	Power-Rack 1000-4	19", 2 HE	4 x 500 watts (2 x 1000 watts bridged)
	Power-Rack 1000-6	19", 2 HE	6 x 500 watts (3 x 1000 watts bridged)
	Power-Rack 1000-8	19", 2 HE	8 x 500 watts (4 x 1000 watts bridged)
	Power-Rack 1600-2	19", 2 HE	2 x 800 watts (1 x 1600 watts bridged)
	Power-Rack 1600-4	19", 2 HE	4 x 800 watts (2 x 1600 watts bridged)
	Power-Rack 1600-6	19", 2 HE	6 x 800 watts (3 x 1600 watts bridged)
	Power-Rack 1600-8	19", 2 HE	8 x 800 watts (4 x 1600 watts bridged)

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# Planning assistance / Services

## Planning support

High SPL speaker integration in the panel material wood up to panel size 2500 mm x 1250 mm with remaining material thickness 1.5 mm to 2.9 mm after milling

Speaker integration in the panel material wood up to panel size 2500 mm x 1250 mm with remaining material thickness of at least 3 mm after milling

Integration in other panel sizes and materials, e.g. gypsum fiber, glass granulate, Alu-Dibond, stone, glass, mosaic, etc.

Programming of speaker presets in selected third-party DSP platforms and audio amplifiers

Commissioning and calibration of the installed sound system

# Selection of references, realized by our partners since 1999

## Residential

- Private villa Hamburg, integration of a living room multi channel cinema into furniture and drywall
- Private villas lake Starnberg and Tegernsee, multi-room audio integrated into drywall
- Private villa in the Rhineland, 1000 square meters of living space, integration of multi-room audio into acoustic ceilings, drywall and chlorine-resistant special panels for swimming pools
- Private villa in Munich, multi-room audio integrated into drywall
- The Shard London, private apartments, integration into drywall for multiroom

## Museums and presentation spaces

- German Football Association Academy, integration into the aluminum dibond facade of the large video wall for media sound and voice reinforcement
- T-Gallery, Deutsche Telekom Bonn, integration into aluminum laminates and in drywall for media sound
- T-Online Museum Darmstadt, integration into drywall for media sound
- Volkswagen Autostadt Wolfsburg, simulator room
- Mercedes-Benz Museum Stuttgart

## Conference

- Schaeffler Herzogenaurach, 6000 m<sup>2</sup> sound reinforcement for media tone and video conference systems and auditorium, 350 loudspeakers integrated in smooth and perforated plasterboards
- Deutsche Bank headquarters in Frankfurt, Greentowers, board area and conference rooms, integration in stainless steel, perforated metal ceilings and drywall, for video conferencing, media sound, speech and background sound reinforcement
- SAP Walldorf, 16 meeting rooms, integration in all-aluminum projection surfaces with special coating for video conferencing and media sound
- TÜV Rheinland Cologne, Rhineland Hall, integration in holographic ceiling panels and wall cladding for the reproduction of media sound and speech
- Bundestag, Reichstag building Berlin, integration in the drywall of the parliamentary group rooms for media sound
- Bayer - Leverkusen, Vorstandsneubau, Integration in Glas für den Medienton
- KfW Frankfurt - large conference hall (600 square meters), integration in wooden wall cladding, for the reproduction of speech and media sound
- Microsoft Headquarters Germany, integration in drywall construction, for video conferencing and media sound
- Deutsche Bank Milan, board conference room, integration in drywall construction, for video conferencing and media sound
- EADS board conference room Manching, integration in drywall construction for video conferencing and media sound
- T-Mobile headquarters Bonn, conference rooms, integration in drywall construction for video conferencing and media sound

# Selection of references, realized by our partners since 1999

## Canteen

- SAP Walldorf, integration into the sound-absorbing glass granulate ceiling
- BMW Munich executive cafeteria, Integrated in perforated plaster ceilings
- Deutsche Bank Frankfurt, integrated in perforated metal ceilings from Lindner

## Exhibition

- Daimler - Chrysler exhibition booth IAA, Geneva Motor Show and Detroit Motor Show, integration in wood paneling and drywall construction
- BMW exhibition booth IAA
- Porsche exhibition booth IAA

## Retail

- Luis Vuitton Vienna and Marseille, integration in drywall
- Burberry Retail Shops world-wide. integration of 400 invisible woofers

## Hotel and Foyer

- Hotel Savoy, London, integration in the lobby
- Hotel Royal Monceau Paris, Integration the lobby
- Taunusturm Frankfurt, integration in the foyer in natural stone

## Theater

- Kunstpalast Düsseldorf, sound reinforcement in the lodges
- State Theater Darmstadt, integrated into the system of variable room acoustics
- State Theater Brunswick, integrated into the system of variable room acoustics
- Music Theater Gelsenkirchen, integrated into the system of variable room acoustics and as effect speakers

## Public Address

- Elbphilharmonie Hamburg, integration in the foyer in perforated gypsum fiber boards with wood veneer for background sound and voice announcements
- Subway stations on the north-south line in Cologne, 750 loudspeakers, integration for voice announcements
- Schaeffler Herzogenaurach, 6000 m<sup>2</sup> sound reinforcement for voice announcements, 350 loudspeakers integrated in smooth and perforated plasterboards

