

POINT SOURCE SERIES

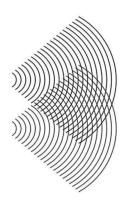


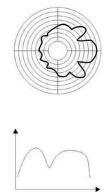
Point Source Coaxial Technology

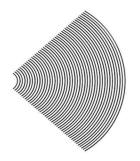
Classical arrangement of 2-Way loudspeakers consists of separate transducers positioned on a common front baffle, displaced either vertically or horizontally. However, in the typical crossover frequency region, due to the difference in path lengths between the listening point and the two separate sources, spatial frequency summation cannot be homogeneous.

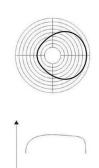
Point Source Coaxial Technology with concentrically aligned woofer and tweeter eliminates this problem and creates a perfectly homogeneous acoustic field horizontally as well as vertically.

The advantages of the point source coaxial approach include: total wave front coherency at all frequencies and dispersion characteristics that are free of polar lobing, typical of traditional horn and woofer combinations. The net result is a natural, studio monitor like sound quality and uniform frequency coverage of the listeners area.









Conventional design: 2 horn 3 way system

Pulz design: Point Source System



FEATURES

Convenient mounting options

High performance coaxial driver

90° conical dispersion

High SPL

Smooth frequency response on and off axis

Professional construction

High quality components

The Pulz CSX8 Surround Speaker System is designed to reproduce immersive audio soundtracks faithfully in preview theatres, studios and prestige home theatres. Powered with a 8" high sensitivity low distortion woofer and 1" voice coil compression driver of European origin, CSX8 is capable of reproducing very high SPL and uniform dispersion throughout the auditorium. In the conventional preview theatre and studio surround speaker systems, multiple drivers are aligned either vertically or horizontally. This design may produce off axis lobes and uneven frequency response. The Pulz 8" driver with coaxially mounted HF unit on the other hand is coherent and produces smooth on and off axis frequency response.

A sophisticated passive crossover with close tolerance components ensures seamless integration of low and high frequency drivers. The vented enclosure is CAD optimized for precise low frequency loading. The geometry of the acoustically transparent grill minimizes diffraction. Heavy duty spring loaded terminal posts facilitates convenient and secure connectivity at site.

The shape of CSX8 allows it to be wall mounted with a 15° downward angle. The enclosure is equipped with various mounting options to place it directly on the wall or mount it with optional C-bracket to achieve ±45° tilts in 9° increments. Additional security hooks are provided to ensure additional safety when mounting the system on ceiling. The heavy duty MDF enclosure is finished with abrasion resistant textured paint.

The Pulz CSX8 incorporates advanced technology driver and components to deliver dynamic, high SPL and wide dispersion sound into small preview theatres, studios and prestige home theatres to reproduce ambience and effects.

SPECIFICATIONS:

Frequency Response: 65Hz to 20kHz

Power Rating: 120W AES, 480W peak
Sensitivity: 93.8dB @ 1W/1m

Maximum SPL: 114.5dB continuous, 120.5dB peak @ 1m

Nominal Impedance: 8Ω

Low Frequency Driver: 8" (200 mm) Low-Mid driver with coaxial entry
High Frequency Driver: 1" (25 mm) voice coil compression driver

mounted coaxially

Crossover: 2.6kHz Passive, Air core inductors, MKP capacitors,

Wire wound resistors

Dispersion: 90° conical

Finish: Black impact resistant structured coating

Connector: Push type binding post, cable upto 4 mm

diameter

Enclosure: 15 mm MDF direct radiator vented enclosure

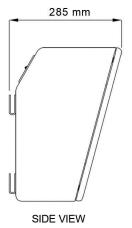
Grill: Acoustically transparent black woven fabric

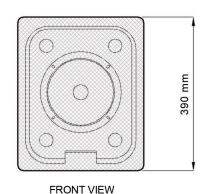
Dimensions (H X W X D): 390 mm X 320 mm X 285 mm

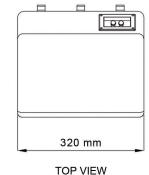
(15.3" X 12.6" X 11.2")

 Net Weight:
 10 kg (22 lb)

 Packed Weight:
 11.5 kg (25 lb)









FEATURES

- Convenient mounting options
- High performance coaxial driver
- 90° conical dispersion
- High SPL
- Smooth frequency response on and off axis
- Professional construction
- High quality components

The Pulz CSX10 Cinema Surround Speaker System is designed to reproduce immersive audio soundtracks faithfully in medium and large cinemas. Powered with a 10" high sensitivity low distortion woofer and 1" voice coil compression driver of European origin, CSX10 is capable of reproducing very high SPL (sound pressure level) and uniform dispersion throughout the auditorium. In the conventional cinema surround speaker systems, multiple drivers are aligned either vertically or horizontally. This design may produce off axis lobes and uneven frequency response. The Pulz 10" driver with coaxially mounted HF unit on the other hand is coherent and produces smooth on and off axis frequency response.

A sophisticated passive crossover with close tolerance components ensures seamless integration of low and high frequency drivers. The vented enclosure is CAD optimized for precise low frequency loading. The geometry of the acoustically transparent grill minimizes diffraction. Heavy duty spring loaded terminal posts facilitates convenient and secure connectivity at site.

The shape of CSX10 allows it to be wall mounted with a 15° downward angle. The enclosure is equipped with various mounting options to place it directly on the wall or mount it with optional C-bracket to achieve ±45° tilts in 9° increments. Additional security hooks are provided to provide additional safety when mounting the system on ceiling. The heavy duty MDF enclosure is finished with abrasion resistant textured paint.

The Pulz CSX10 incorporates advanced technology driver and components to deliver dynamic, high SPL and wide dispersion sound into medium and large cinemas to reproduce ambience and effects.

SPECIFICATIONS:

Frequency Response: 65Hz to 20kHz

Power Rating: 150W AES, 600W peak
Sensitivity: 96.7dB @ 1W/1m

Maximum SPL: 118dB continuous, 124dB peak @ 1m

Nominal Impedance: 8Ω

Low Frequency Driver: 10" (250 mm) Low-Mid driver with coaxial entry

High Frequency Driver: 1" (25 mm) voice coil compression driver

mounted coaxially

Crossover: 2.5kHz Passive, low loss air core inductors

and MKP capacitors

Dispersion: 90° conical

Finish: Black impact resistant structured coating

Connector: Push type binding post, cable upto 4 mm

diameter

Enclosure: 15 mm MDF direct radiator vented enclosure

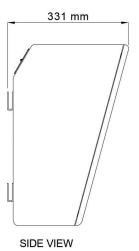
Grill: Acoustically transparent black woven fabric

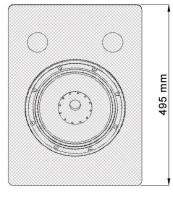
Dimensions (H X W X D): 495 mm X 365 mm X 331 mm

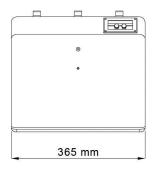
(19.4" X 14.3" X 13")

 Net Weight:
 13.4 kg (30 lb)

 Packed Weight:
 14.5 kg (32 lb)







FRONT VIEW

TOP VIEW



FEATURES

- Convenient mounting options
- High performance coaxial driver
- 90° conical dispersion
- High SPL
- Smooth frequency response on and off axis
- Professional construction
- High quality components

The Pulz CSX12 Cinema Surround Speaker System is designed to reproduce immersive audio soundtracks faithfully in medium and large cinemas. Powered with a 12" high sensitivity and high power woofer and 1.5" voice coil compression driver of European origin, CSX12 is capable of reproducing high SPL (sound pressure level) and uniform dispersion throughout the auditorium. In the conventional cinema surround speaker systems, multiple drivers are oriented either vertically or horizontally. This design may produce off axis lobes and uneven frequency response. The Pulz 12" driver with it's coaxially mounted HF unit on the other hand is coherent and produces smooth on and off axis frequency response.

A sophisticated passive crossover with close tolerance components ensures seamless integration of low and high frequency drivers. The vented enclosure is CAD optimized for precise low frequency loading. The geometry of the acoustically transparent grill minimizes diffraction. Heavy duty spring loaded terminal posts facilitates convenient and secure connectivity at site.

The shape of CSX12 allows it to be wall mounted with a 15° downward angle. The enclosure is equipped with various mounting options to place it directly on the wall or mount it with an optional C-bracket to achieve ±45° tilts in 9° increments. Additional security hooks are provided for added safety when mounting the system on ceiling. The heavy duty MDF enclosure is finished with abrasion resistant textured paint.

The Pulz CSX12 incorporates advanced technology driver and components to deliver dynamic, high SPL and wide dispersion sound into medium and large cinemas to reproduce ambience and effects in the most demanding cinemas.

SPECIFICATIONS:

Frequency Response: 65Hz to 20kHz

Power Rating: 400W AES, 1600W peak

Sensitivity: 98dB @ 1W/1m

Maximum SPL: 124dB continuous, 130dB peak @ 1m

Nominal Impedance: 8Ω

Low Frequency Driver: 12" (308 mm) Low-Mid driver with coaxial entry

High Frequency Driver: 1.5" (38 mm) voice coil compression driver

mounted coaxially

Crossover: 2kHz Passive, low loss air core inductors and

MKP capacitors

Dispersion: 90° conical

Finish:

Black impact resistant structured coating

Connector:

Push type binding post, cable upto 4 mm

diameter

Enclosure: 15 mm MDF direct radiator vented enclosure

Grill: Acoustically transparent black woven fabric

Dimensions (H X W X D): 555 mm X 430 mm X 361 mm

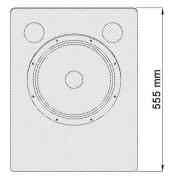
(21.8" X 17" X 14.2")

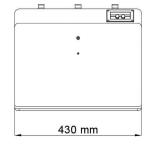
 Net Weight:
 16.8 kg (37 lb)

 Packed Weight:
 18.7 kg (41 lb)



SIDE VIEW





FRONT VIEW

TOP VIEW



FEATURES

- Convenient mounting options
- High performance coaxial driver
- 90° conical dispersion
- High SPL
- Smooth frequency response on and off axis
- Professional construction
- High quality components

In today's cinema, surround channels reproduction is more demanding than ever before due to the uncompressed digital soundtracks and immersive new sound formats with multiple surround channel options. One of the most sophisticated sound formats like Dolby Atmos emphasizes the role of the surrounds to such an extent that the conventional cinema surround speakers fall far short of the requisite specifications. Compared to an array of surrounds sharing the sound tracks, now individual surrounds are targeted to create the objects at specific locations.

Pulz CSX15 is specially developed for surround applications, where very high SPL (sound pressure level) and well defined coverage are paramount. The CSX15 system is powered by a 15" high sensitivity and high power woofer with a coaxially mounted 1.75" voice coil compression driver. This concentric design provides smooth on and off axis response with a 90° conical pattern. Unlike the conventional systems with vertically or horizontally displaced drivers, the frequency response of the Pulz CSX15 is free of lobes which ensures uniform coverage and preserves the timber of the programme throughout the audience area.

The frequency response of the Pulz CSX15 is custom tailored for cinema response with a sophisticated crossover network made of precision components and air core inductors.

The shape of CSX15 allows it to be wall mounted with a 15° downward angle. The enclosure is equipped with various mounting options to place it directly on the wall or mount it with an optional C-bracket to achieve ±45° tilts in 9° increments. Additional security hooks are provided for added safety when mounting the system on ceiling. The heavy duty MDF enclosure is finished with abrasion resistant textured paint.

The Pulz CSX15 with it's advanced features is specially designed and built for the most demanding cinemas and sound formats and sets a new benchmark in surround speaker designs.

SPECIFICATIONS:

Frequency Response: 65Hz to 20kHz

Power Rating: 500W AES, 2000W peak

Sensitivity: 98dB @ 1W/1m

Maximum SPL: 125dB continuous, 131dB peak @ 1m

Nominal Impedance: 8Ω

Low Frequency Driver: 15" (380 mm) Low-Mid driver with coaxial entry
High Frequency Driver: 1.75" (44 mm) voice coil compression driver

mounted coaxially

Crossover: 1.3kHz Passive, low loss air core inductors

and MKP capacitors

Dispersion: 90° conical

Finish:

Black impact resistant structured coating

Connector:

Push type binding post, cable upto 4 mm

diameter

Enclosure: 15 mm MDF direct radiator vented enclosure

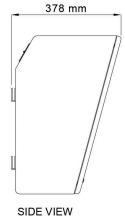
Grill: Acoustically transparent black woven fabric

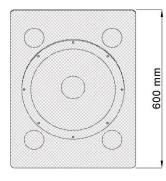
Dimensions (H X W X D): 600 mm X 455 mm X 378 mm

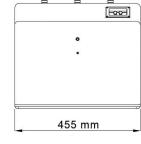
(23.6" X 18" X 15")

 Net Weight:
 27.5 kg (61 lb)

 Packed Weight:
 29.5 kg (65 lb)







FRONT VIEW

TOP VIEW

sound matters



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