

Install

CVS 801S

8" In-Ceiling Subwoofer Loudspeaker for Installation Applications

- Ceiling subwoofer loudspeaker for installation applications
- 100 Watts continuous, 400 Watts peak power
- 8" polypropylene long-excursion driver with butyl rubber surround for enhanced durability and long-term reliability
- Extended deep bass output
- UL 1480 certified for fire-protected signalling systems
- UL 2043 certified for air-handling spaces
- UV and weather resistant UL 94 V-0 ABS front with plated steel fire can enclosure
- Powder coated aluminium mesh grille with dust protection
- Multiple transformer taps for 70 V and 100 V line systems or 8 Ohm direct input
- Low insertion loss 80 W line transformer with easily accessible tapping switch
- Acoustic low-pass baffle design allows use without crossover
- Semi matt white finish fits unobtrusively in any environment
- Mounting C-ring and ceiling tile rails included
- Steel cover and strain relief clamping mechanism for fire rated cable
- 10-Year Warranty Program*
- Designed and engineered in the U.K.

The CVS 801S is a ceiling subwoofer engineered to provide superb audio performance in both background and foreground music sound systems. Ideally suited for a wide variety of applications, from restaurants and hotels to houses of worship and businesses of all types, the CVS 801S offers the power handling, extended bass output and low distortion typically found in more expensive products. UL 1480 certification for fire-protected signalling systems and UL 2043 for air-handling spaces make the CVS 801S the perfect choice where safety is a top priority.



Exceptional Sound and Reliability

The design comprises a 200 mm (8.00") polypropylene long-excursion driver mounted in a UV and weather resistant UL 94-V0 ABS front with a plated steel fire can enclosure. Dust protection is provided in the form of an attractive powder coated aluminium mesh grille. The mineral loaded polypropylene cone material and butyl rubber surround enhance durability and long-term reliability. CVS 801S' acoustic low-pass baffle design allows use with other loudspeakers without the need for a crossover, making it an ideal choice for applications requiring excellent music and speech sound quality combined with exceptional reliability.

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Comprehensive Installation Package

Supplied with an integral zinc-plated steel back can with recessed termination box, the CVS 801S satisfies the vast majority of installation application requirements and features a semi matt white finish that fits unobtrusively into any environment. The removable locking connector has screw terminals for secure wire termination and "loop through" facility. A steel cover and strain relief clamping mechanism are provided for use with fire rated cabling. Security toggle clamps make for quick and easy installation, while two tile support rails and one C-ring are also included in the package. A plaster (mud) ring is available as an optional accessory. Rounding out these impressive features is custom-designed low insertion loss 80 W line transformer with easily accessible tapping switch, which ensures pristine performance and optimal versatility.



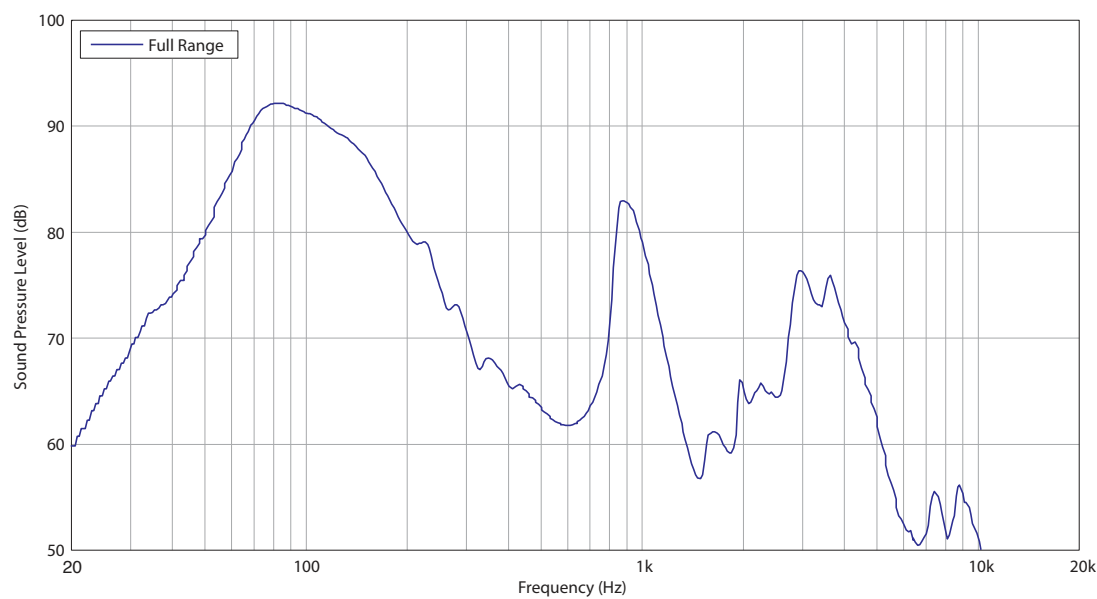
You Are Covered

We always strive to provide the best possible Customer Experience. Our products are made in our own [Music Tribe](#) factory using state-of-the-art automation, enhanced production workflows and quality assurance labs with the most sophisticated test equipment available in the world. As a result, we have one of the lowest product failure rates in the industry, and we confidently back it up with a generous [Warranty program](#).

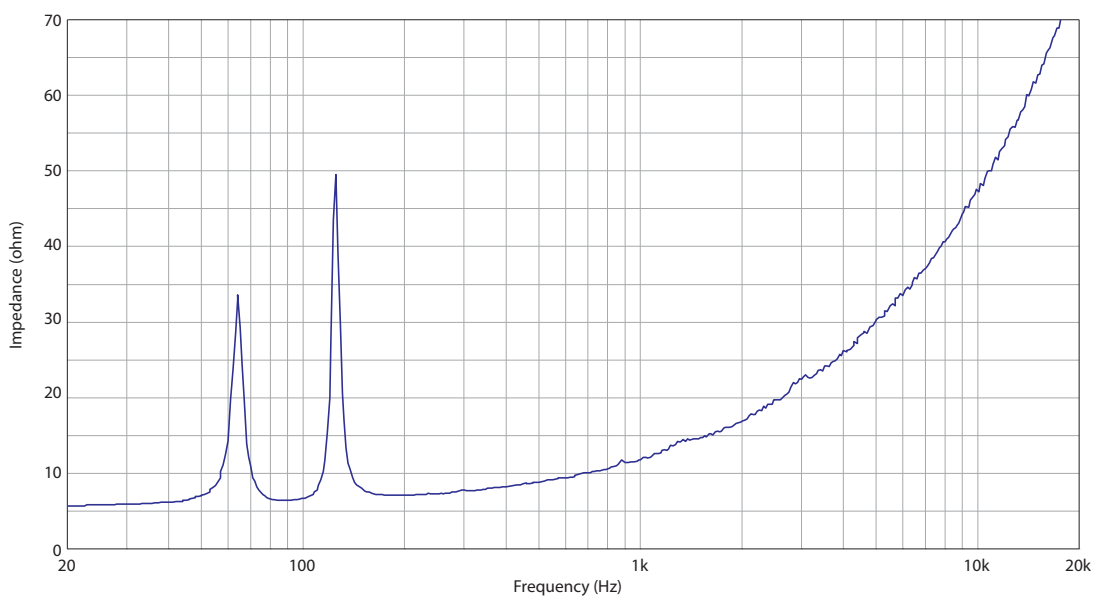
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Frequency Response Sensitivity 1 W / 1 m



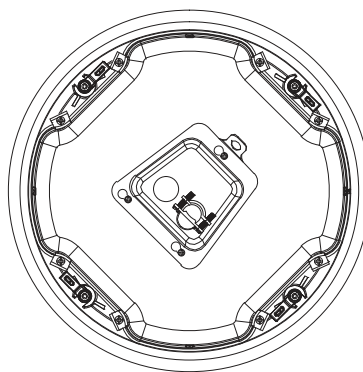
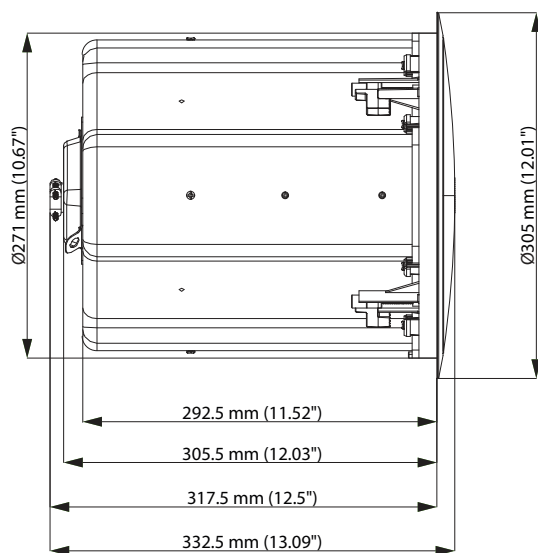
Impedance



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Dimensions



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Technical Specifications

Performance

Frequency response (+3dB, -3 dB)	66 Hz-200 Hz
Frequency response (-10 dB)	53 Hz-200 Hz
Sensitivity at 1m/1W	92 dB
Power handling (LoZ)	
*1 Average	100 W
Programme	200 W
Peak	400 W
Recommended amplifier power	200 W @ 8 Ω
Nominal Impedance (Switch to LoZ)	8 Ω
Rated maximum SPL (1 m, Switch to LoZ)	115 dB
Average	112 dB
Peak SPL	118 dB
Transformer taps	
70 V	80 W/ 40 W/ 20 W/ 10 W
100 V	80 W/ 40 W/ 20 W
Transducers	
Low frequency	200 mm (8") Paper cone

Physical

Enclosure	Blind mount (BM)
Back can	Anodized steel
Baffle	Reflex loaded UL 94V-0 rated ABS
Grille	Aluminum, powder coated
Safety Features	Rear enclosure safety ring for load-bearing bond
Clamping Design	Security toggle clamp
Connectors	Euroblock-style connector with screw terminals (with input cover and cable gland supplied)

Dimensions

Bezel diameter (grille max diameter)	305 mm (12")
Rear face of baffle to rear of back can	292.50 mm (11.52")
Rear face of baffle to top of safety loop	305.5 mm (12.03")
Rear face of baffle to rear of flex conduit	317.5 mm (12.5")
Hole cutout diameter	Φ 273 mm (10.75")
Net weight	7.93 kg (17.45 lbs) $\pm$ 10%
Included accessories	Metal grille, cable gland, flex conduit, C-ring, tile-bridge kit, paint mask, cutout template
Optional accessories	Mud ring 48" Tile rail
Packed quantity	1 pair

Notes

*1 Average power rating is under IEC-shaped pink noise with a 6dB crest factor for 100 hours continuously.

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Architecture & Engineering Specifications

The Ceiling Subwoofer System shall consist of a 200 mm (8.0") bass driver mounted in a vented, band-pass enclosure. The injection moulded, paintable front baffle in UL94V-0 ABS material.

The backcan shall be constructed of zinc plated steel. A termination box shall be integrated with the backcan, a removable locking connector with screw terminals for secure wire termination with "loop through" facility shall be provided. Strain relief will be provided by a clamping mechanism for use with plenum rated cable or conduit. A safety ring is located on the rear of the backcan for a load bearing safety bond.

Performance of the ceiling speaker shall meet or exceed the following criteria: Frequency response measured on axis shall be 53 Hz -200 Hz (-10 dB from rated sensitivity, measured in an IEC baffle in an anechoic chamber) with no equalization. Sensitivity shall be 92 dB (1 W @ 1m). Long term power handling capacity as defined in EIA-426B test shall be 100 W, recommended amplifier power 200 W. The nominal system impedance shall be 8 Ω (in low impedance setting).

The ceiling speaker system shall be equipped with an 80 W high performance line transformer for use in 70.7 or 100 Volt distributed audio systems with 80, 40, 20, 10* watt taps available. An easily accessible rotary switch located on the front baffle shall be available for selecting transformer and low impedance settings. A weather resistant perforated aluminium grille covers the transducer and switch.

Two support rails and one C-Ring shall be included with the ceiling speaker system. The front face diameter shall not exceed 305 mm (12"), overall depth from the front of the ceiling to the top of the cable clamp shall not exceed 317.5 mm (12.5"). The template cut out diameter shall be 273 mm (8.75").

The Ceiling Speaker System shall be the.....CVS801S.

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MUSIC Tribe Manufacturing PH Ltd.
17A Brunswick Street Hamilton HM 10 Bermuda

SUSPENDING THIS SYSTEM SHOULD
ONLY BE DONE BY QUALIFIED PERSONS
FOLLOWING SAFE
INSTALLATION STANDARDS



Type:G
5ME2

MADE IN CHINA



SPEAKER: CVS 801S	
WIRING	PASSIVE
1+ / 2-	INPUT
3+ / 4-	LINK
INPUT	POWER
70 V LINE	10, 20, 40, 80 W
100 V LINE	20, 40, 80 W
8 Ω	100 W AVERAGE

REFER TO INSTALLATION WIRING DIAGRAM IN QUICK START GUIDE

TANNOY

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