



EVID C10.1 CEILING SUBWOOFER SYS PAIR

- 10" High-Excursion Transducer for extended LF
- Low Pass Network with Overload Protection
- Integrated low loss matching transformer allows for either 70v/100v or 8-ohm operation
- Integrated ported enclosure for extended bass response
- UL and CE listed



The Electro-Voice EVID C10.1 loudspeaker system is a complete low frequency ceiling subwoofer package. The EVID C10.1 is designed to augment the low frequency response of any EVID ceiling speaker. The package consists of a bezel assembly, grille, rear enclosure, 10-inch loudspeaker and internal line-matching transformer. The EVID C10.1 loudspeaker utilizes a 2nd order crossover network to provide the correct band-pass frequency response for use with any EVID Ceiling loud speaker. The C10.1 utilizes a transformer that offers a selection of 7.5 (70-V only), 15, 30 or 60 watts delivered to the loudspeaker system using either 70-V or 100-V lines, or 8 ohm bypass. Selection is via a convenient switch on the front baffle. The perforated grille is finished in semi-gloss white powder-coated enamel. The baffle and bezel are constructed from UL 94V-0 rated ABS. The rear enclosure is constructed from zinc-plated, heavy gauge steel. The rear enclosure, with fiberglass damping material, provides an optimum internal volume for extended low-frequency performance. A rear cover, with provisions for a junction box fitting, provides access to a 4-pin terminal block that allows direct connection to the speaker with 12 gauge wire and provides full-range pass through to additional speakers. A tile bridge is included for safe suspension

of the C10.1 ceiling systems in a drop ceiling that uses mineral wool, or other fiber-based ceiling tiles. The EVID line of ceiling speakers has been designed to work together as a complete system in a wide range of different ceiling constructions. They provide wide dispersion, high-efficiency, high-maximum output, ease of installation, and wide-range reproduction of music.

Architects' & Engineers' Specifications:

The EVID C10.1 loudspeaker system shall be comprised of a UL 94V-0 fire rated ABS baffle/bezel assembly, zinc plated steel rear enclosure, powder coated grille with safety tether, transformer with 8 ohm bypass and 10-inch polypropylene low frequency transducer. The loudspeaker shall meet the following criteria: power rating shall be 100 watts of EIA RS-426A continuous pink noise (6 dB crest factor). Frequency response, 45 Hz to 180 Hz. Pressure sensitivity, 94 dB SPL at 1meter (3.3 feet) on axis with one watt of pink noise (ref. 20 μ Pa). Minimum impedance, 6.0 ohms. The loudspeaker shall be 320 mm (12.6 in.) in diameter and 303 mm (11.9 in.) deep. Weight shall be 7.0 kg. (15.5 lb). The subwoofer ceiling loudspeaker shall be the Electro-Voice[®] model EVID C10.1.

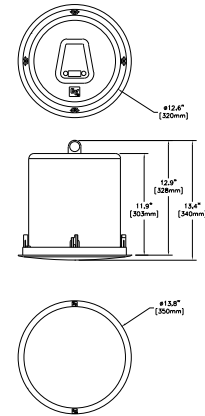
Technical specifications

Frequency response (-10 dB):	45 Hz - 150 Hz
Coverage (conical):	180°
Power handling:	100 W cont. / 400 W peak
Sensitivity (SPL 1W/1m):	94 dB
Max calculated SPL:	114 dB cont. / 120 dB peak
Impedance:	8 Ohms nominal (transformer bypass)
Network:	12 dB/oct
LF transducer:	10 in (260 mm) high-compliance driver (weatherized cone)
Input configuration:	8Ω; 70V/100V
70V/100V power taps:	7.5 (70V only)/15/30/60 W
Connectors:	Phoenix type removable, with screw terminals and "loop-thru", accepts 12 ga wire
Enclosure:	Steel enclosure and UL94V-0 rated baffle and bezel
Grille:	Perforated powder coated steel with safety tether
Acoustic design	Ported cabinet, internally damped w/passive crossover
Mounting system:	Integrated 4-point toggle anchors
Support hardware:	Tile bridge, backing plate support, cutout template, paint shield
Color:	White
Dimensions (H x Dia.):	11.9 in x 12.6 in (303 mm x 320 mm)
Bezel diameter:	13.8 in (350 mm)
Cutout size:	12.625 in (322 mm)
Net weight (each):	15.5 lb (7.0 kg)
Shipping weight (pair):	34.0 lb (15.5 kg)
Safety agency ratings:	UL-1480A Safe for use in air handling spaces per UL 2043.

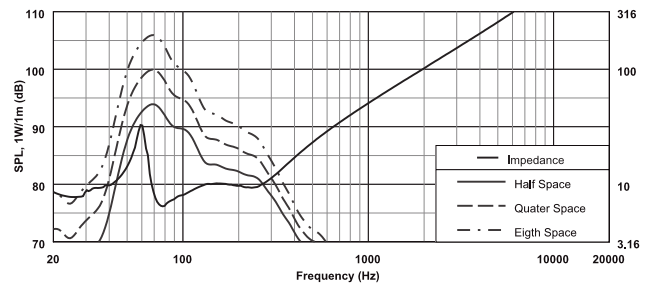
All specifications based on half space environment in ceiling.

System overview

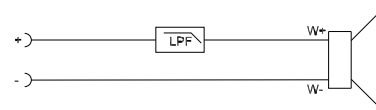
Dimension Drawings:



Frequency Response:



Block Diagram:



Performance Match:

CPS-1	Power Amplifier
CPS-2	Power Amplifier
CPS-2T	Power Amplifier
MA-1206	Mixer Amplifier
MA-1212	Mixer Amplifier

Parts included

Quantity	Component
2	Speaker systems
4	Tile rails
2	C-ring supports
2	Grilles
1	Owner's manual
4	Support ring screws
2	Terminal connectors
1	Service center card
1	Cutout template
2	Paint shields

Ordering information

EVID C10.1 CEILING SUBWOOFER SYS PAIR

10" subwoofer 100 W (8 Ohms) /
100V(7,5/15/30/60W); white, price per pair
Order number **EVID C10.1**

Accessories

RR-810-B RR-810 KIT, ROUGH IN MOUNTING PLATE, EVI

Rough-in mounting plate for new construction for use
with the EVID C8.2HC & C10.1 (4 pcs)
Order number **RR-810-B**

RPK-810-B RPK-810 KIT, ROUGH IN PLATE W/JUNCTION B

RPK-810 Kit, Rough in plate w/junction box
Order number **RPK-810-B**

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