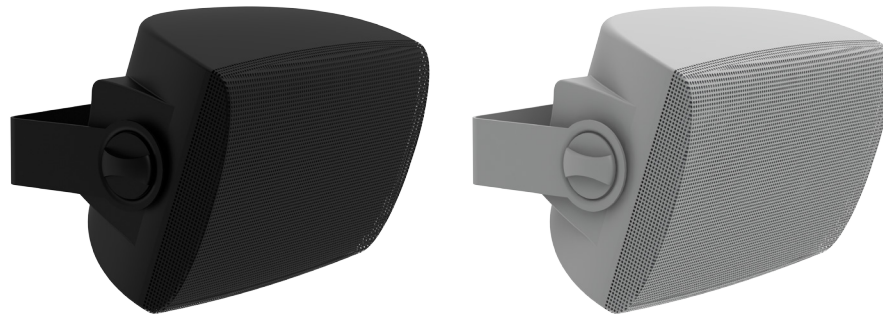


CS-S4 4" Surface-mount Loudspeaker

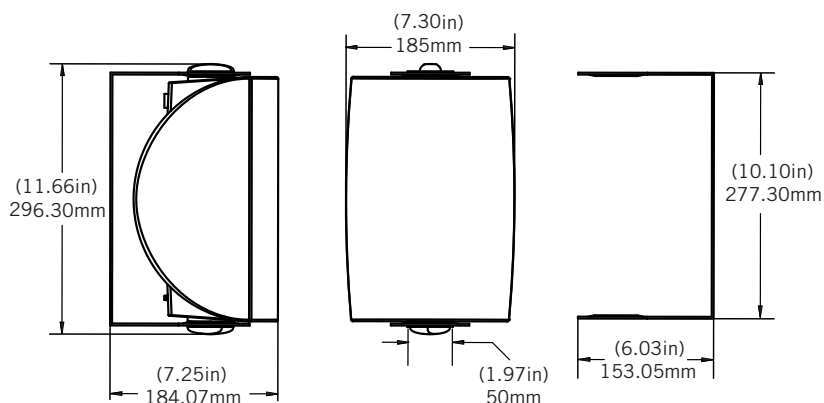


General Description

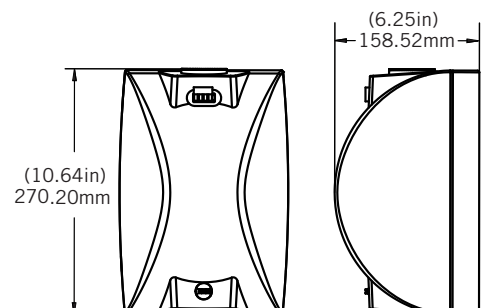
The Cloud CS-S4 is an 4.0 inch coaxial two way surface mount loudspeaker featuring exceptional intelligibility and musical performance. Using premium drivers and electronics, the CS-S4 offers high sensitivity, smooth frequency response, and excellent off axis performance. The 4.0 inch woofer incorporates a large magnet structure, a treated paper cone, and a butyl rubber surround for lasting, low distortion performance. The 19 mm (0.75 inch) tweeter is a silk soft dome to smoothly distribute the high frequency energy. The included 20 W transformer provides plenty of power for even high SPL applications. The 16 ohm impedance allows for easy low impedance daisy chaining.

- Front mounted tap switch
- Premium drivers and electronics for exceptional sound quality and intelligibility
- Integrated high power transformer with bypass
- 16 ohm impedance for low impedance daisy chaining
- Designed to mount vertically and horizontally
- Coaxial drivers for optimal off axis performance when mounted either horizontally or vertically
- 4-pin Euroblock connectors for easy daisy-chaining and secure connections

Speaker Dimensions



Speaker Enclosure



Applications

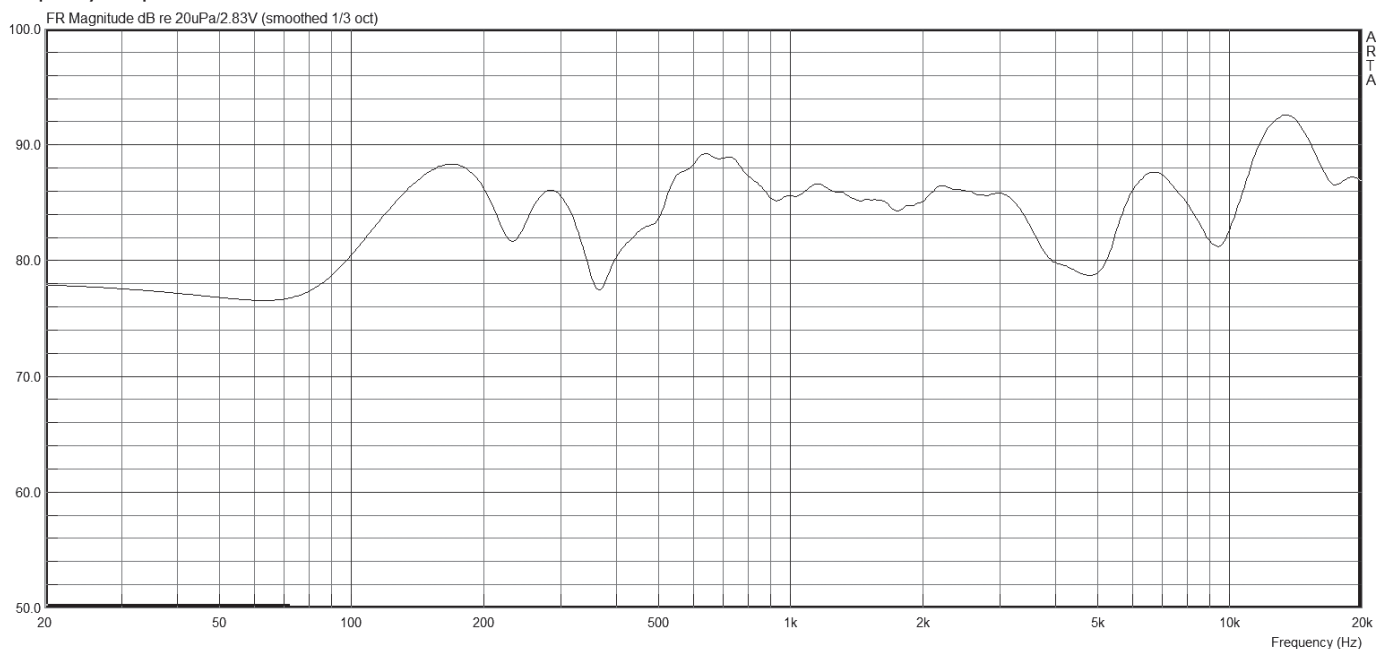
The CS-S4 was developed as a versatile background music and mid-SPL paging speaker. It offers superior acoustic performance, and premium design at an economic price point. It is ideally suited for use in restaurants, retail stores, airports, churches, board rooms, health care facilities, and hotels. The entire CS-S series shares the same acoustic signature, so installations with varying SPL requirements can seamlessly integrate multiple models from the line. The CS-S4 is a premium background and paging speaker that offers high end performance and design at an affordable price point.

Tap Settings

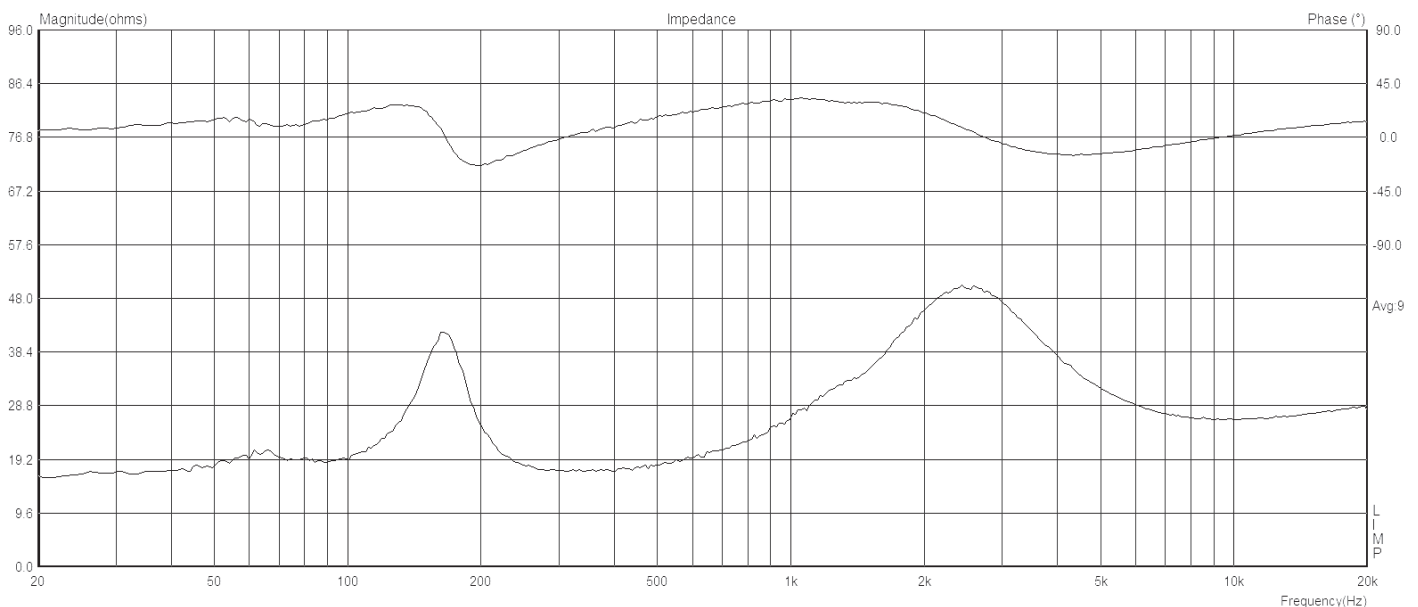
Tap	Tap Settings		
	100 V	70 V	25 V
1	16 ohm		
2	X	20W	2.5W
3	20W	10W	1.3W
4	10W	5W	0.6W
5	5W	2.5W	0.3W
6	2.5W	1.3W	0.2W

Graphs

Frequency Response



Impedance



Technical Specifications

Description	4" 2-way surface-mount, U-bracket
Response (f3)	107 Hz -20 kHz
Response (f10)	88 Hz -20 kHz
Impedance	16 ohm
Sensitivity (2.83 V/1 m)	85 dB
Sensitivity (1 W/1 m)	88 dB
Power handling	20 W
Maximum SPL	101 dB
Transformer taps	20,10, 5, 2.5, 1.3 W
Tweeter	0.75 inch silk dome
Woofer	4 inch treated paper with rubber surround
Input	4 pin Euroblock
Included accessories	U-bracket, male Euroblock
Optional accessories	n/a
Packaging	1 per box, cardboard inner packaging, single instruction sheet
Conformance	UL1480 / 2043 planned, RoHS, CE approved

Architect's and Engineer's Specification

The loudspeaker shall consist of one moulded ABS enclosure containing two transducers, a frequency dividing network, a transformer, and acoustic damping material. It shall incorporate an integrated mounting system including U-bracket. It shall include one removable steel grille affixed to the baffle via integrated magnets. The grille shall include a removable logo tab.

The loudspeaker shall include one 101.6 mm (4.0 inch) low-frequency transducer in a ported enclosure. The low frequency voice coil diameter shall be 19.5 mm (0.75 inch). The low-frequency transducer shall have a treated paper cone material with a rubber surround. The high-frequency transducer shall incorporate a silk dome.

The loudspeaker shall include a 20 watt transformer with taps at 20 W, 10 W, 5 W, 2.5 W and 1.3 W. Said taps shall be selected via an included tap switch located on the front baffle, under the magnetically removable grille. The transformer shall accept 25 V, 70.7 V, or 100 V. The tap switch shall also include a transformer bypass position, allowing for direction connection to the 16 ohm low impedance circuit.

Nominal performance specifications shall be as follows: The loudspeaker shall have a usable frequency range extending from 88 Hz - 20 kHz (-10 dB). The nominal impedance shall be 16 ohms, and the maximum continuous RMS power handling shall be at least 20 W according to the EIA-426-B standard. Sensitivity measured at 2.83 V / 1 m shall be 85 dB. The maximum output at 1 m shall be 101 dB.

Installation for the speaker shall be with U-bracket and shall attach to the wall. The external wiring shall be via 4-position 5.08mm Euroblock connector; accepting up to 10 gauge wire. The maximum overall height shall be no more than 296.30 mm (11.66 inches) and the maximum depth shall be no more than 184.07 mm (7.25 inches). The unit is factory preset to the 20-watt setting in the 100 volt operating mode, with a tap switch located on the front baffle.

The system shall be the Cloud CS-S4 for both low- and high- impedance applications.

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