



## STRING SERIES STW 28/STW 28-16

Compact Design, Massive Impact: Loudspeakers that Deliver

The String STW 28/ STW 28-16 is a powerful, versatile, passively crossed-over two-way wide dispersion mid-high cabinet designed to provide exceptional sound reinforcement. Works perfectly as a delay speaker in a nightclub, under-the-balcony application in an auditorium, or just a pole-mounted wide dispersion conference system. It's tuned for vocal propagation; hence, it will be perfect for a critical opera. The cabinet is uncolored and transparent. Crafted in Baltic birch ply, it is perfectly designed for a wide dispersion application. It has the flexibility to suit even the most difficult applications.

The cabinet is focused on vocal clarity and the minimization of heat buildup within the enclosure

without compromising the transient response. It has two versions 4 Ohms and 16 Ohms.

It features a powerful 2x8" (200mm) low-frequency driver and a 1" (25mm) compression driver with a 1.75" (44mm) voice coil mounted on a diffraction horn compression driver with 140° x 40° dispersion. It has two version STW 28: 4 ohms & STW 28-16: 16 ohms.

For demanding applications, the CSC Maestro MS 26 controller is configured to perform, with its EQ and limiter functions pre-loaded in the controller. Contrabass CB 215s, CR 18s, RRH 218s, RR 218s, CR 218s, CB 12s, CB 15s, RR 212s, RR 215s and ST 18s are all perfectly matched with the STW 28/ STW 28-16.

### KEY FEATURES

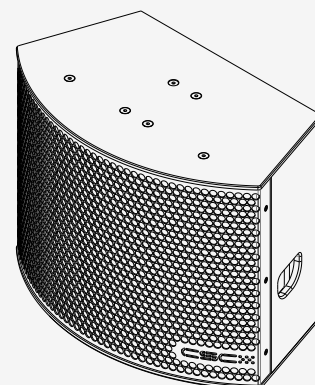
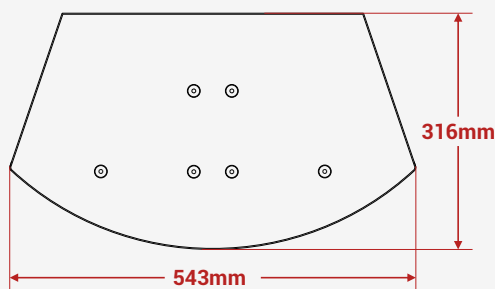
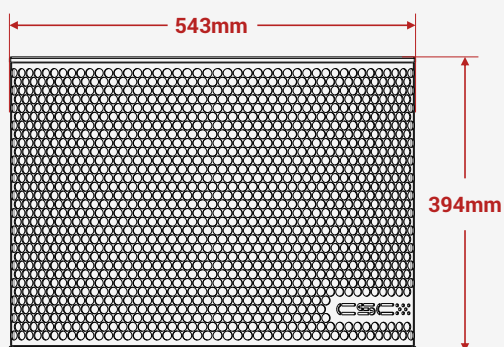
- Compact passive two way system
- 140° x 40° horn
- Mounting points behind the cabinet
- Large port
- Ideal for install and mobile use

### SYSTEM APPLICATIONS

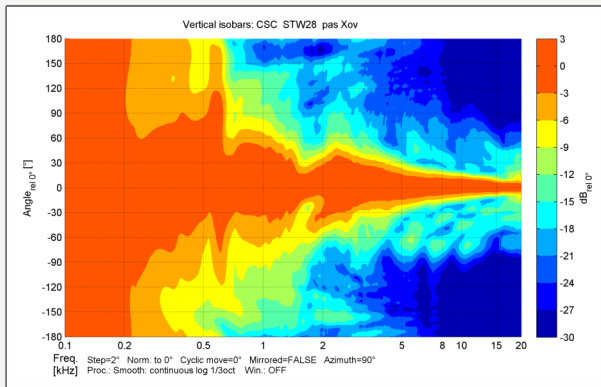
- Live music
- lounge sound enhancement
- Main PA for small and medium installs
- large convention centers, PA
- Auditoriums
- Places of Worship

MODEL NO	STW 28/STW 28-16
Type	Two way passively crossed over mid high
Frequency Response	75 Hz-19.5 kHz $\pm$ 3 dB
Drivers	LF: 2X8" (200 mm) with a 2" (50 mm) voice coil, HF: 1" (25 mm) Diffraction Horn compression driver using a 1.75" (44 mm) V.C
Recommended Amplifier Upto	800 watts
Sensitivity (1 W / 1 m)	97dB
Maximum SPL (9)	122 dB continuous, 128 dB Max
Nominal Impedance	STW 28 : 4 ohms & STW 28-16 : 16 ohms
Dispersion	140° x 40°
Crossover	HPF 70 Hz full range / 110 Hz with sub
Enclosure	Baltic Birch Ply
Finish	Non-toxic Textured black paint
Protective Grill	Perforated steel
Connectors	2 x Neutrik NL4
Pin Connections	Input: $\pm$ 1, Link through: $\pm$ 2
Standard Colours	Black
Fittings	Rear / Top standard mounting points
Horn	Not rotatable
Nominal/ AES Power	450 watts / 60 watts
Maximum/ Continuous/ Program Power	1000 watts / 200 watts
Peak Power	2000 watts / 400 watts
Accessories	Wall / ceiling mount bracket, Extension pipe
Dimensions - Product (in mm)	(W) 543 x (H) 394 x (D) 316
Dimensions - Including packing (in mm)	(W) 602 x (H) 455 x (D) 393
Net Weight (kgs)	19
Shipping Weight (kgs)	22

Mid highs measured on-axis in full space @ one watt/1-meter using band-limited pink noise in the en-deavour to continuously improve the product with design refinements introduced into existing products. Any current CSC product may differ in some respect from its published description. However, this will always equal or exceed the original design specifications. Every CSC Product is built to the highest standards and tested to ensure that it meets the performance criteria specified.

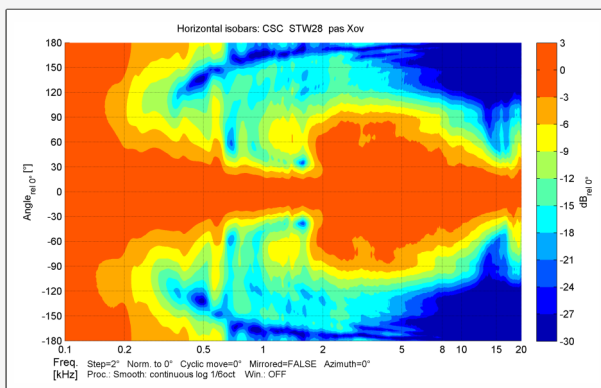


## Vertical Polar Coverage (-6 dB)



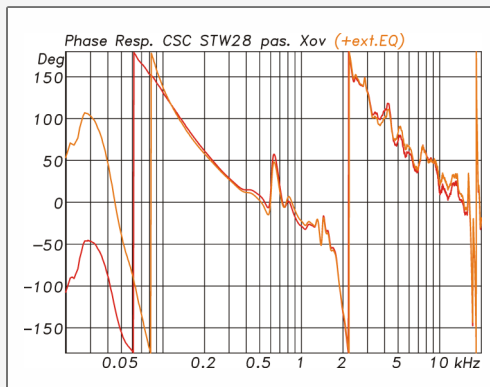
With dual 8" LF the STW 28 offers tight vertical dispersion of 40 degrees to 10 kHz.

## Horizontal Polar Coverage (-6 dB)



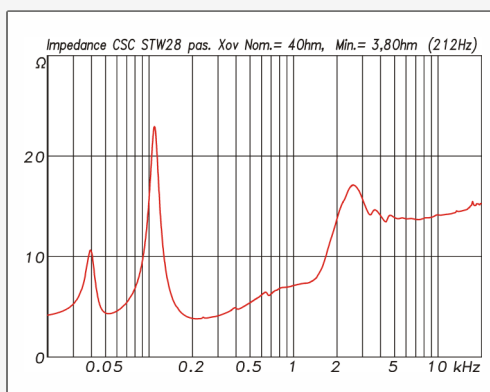
The dispersion 2 kHz to 8 kHz brings in the intelligibility of the audio signal and is plus minus 140 degrees in this cabinet. Apt to use in wide dispersion applications

## Phase Response



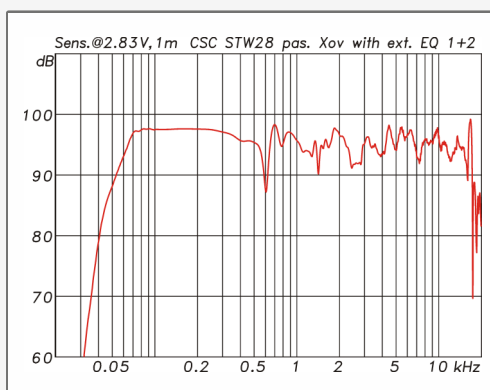
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## Impedance Plot



16-ohm impedance and stable reactive profile make STW28 an easy match with low to medium power amps.

## Frequency Response (Crossover Split)



A smooth response curve with a range from 65 Hz to 18.5 kHz.