



STRING SERIES ST 23

Compact Design, Massive Impact: Loudspeakers that Deliver

The String ST 23 follows the same profile as the ST 3 but is louder, and has a tighter vertical dispersion of 60 degrees. The ST 23 multi-purpose satellite speaker performs admirably in a discreet installation with minimal visual impact. The Satellite is a 16 ohm passive, compact, point-source speaker ideal for background music, in fills in fixed installations. The discreet design with a perforated powder-coated steel grill offers the driver all the protection they need. Available in an attractive black/white matte finish, it is ideal for distributed sound in restaurants, boutiques, small bars, office spaces, lounge areas, and foyers.

A unique 2 x 3" (77 mm) driver in a rigid, extruded

aluminum enclosure has a dedicated Omni-directional mounting bracket. With no parallel walls, it eliminates cabinet resonances. Its innovative design offers wide horizontal and controlled vertical coverage, reducing off-axis variations with surprising accuracy and projection. This visually distinct enclosure can be installed either horizontally or in an upright position. The cabinet's curved shape allows surface-mounting on walls and facilitates ceiling installation. The ST 23 can be employed as a stand-alone satellite speaker or combined with unobtrusive sub-woofers like the CR 10s or CR 210s.

KEY FEATURES

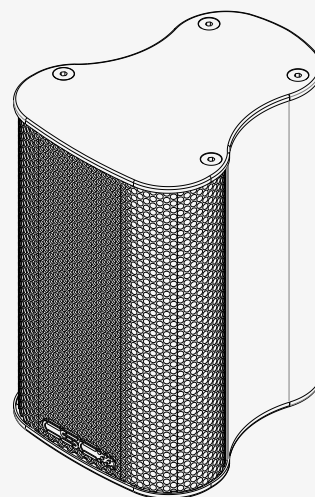
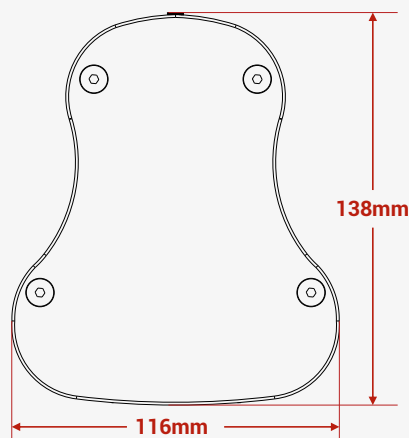
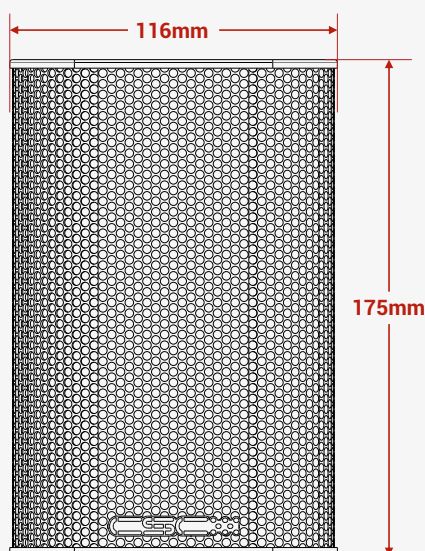
- Compact, high performance
- Seamlessly combines with the CR 10s and CR 210s
- Fast integral wall/ceiling bracket
- Easy to install with minimal wiring
- Can be retrofitted into existing venues

SYSTEM APPLICATIONS

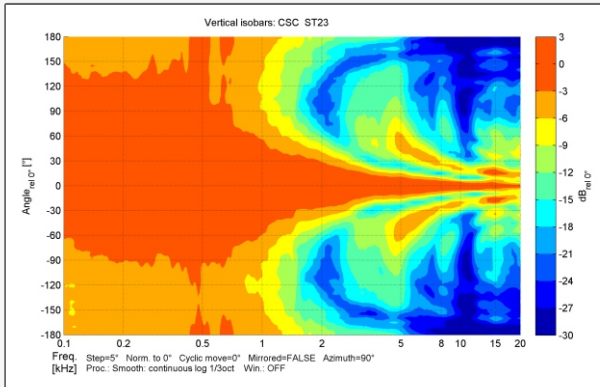
- Small bars and restaurants
- Museums and A/V spaces
- Convention centres
- Cafes
- Retail outlets
- Recreation centres
- Gyms
- Homes

MODEL NO	ST 23
Type	Ultra compact satellite
Frequency Response (1)	150 Hz-16 kHz \pm 3 dB
Drivers	LF: 2 x3" (77 mm) neo driver
Recommended Amplifier Upto	80 watt
Sensitivity (1 W / 1 m)	94 dB
Maximum SPL (9)	110 dB continuous, 116 dB Max
Nominal Impedance	16 ohms
Dispersion	90° x 60°
Crossover	HPF 170 Hz active/ passive
Enclosure	Extruded Aluminium
Finish	Powder coated
Protective Grill	Perforated steel
Connectors	2 x Phoenix connectors
Pin Connections	Input: \pm 1, Link through: \pm 2
Standard Colours	Black / White
Fittings	Rear mounting
Horn	NA
Nominal/ AES Power	40 watts
Maximum/ Continuous/ Program Power	80 watts
Peak Power	160 watts
Accessories	Bracket
Dimensions - Product (in mm)	(W) 116 x (H) 175 x (D) 138
Dimensions - Including packing (pair) (in mm)	(W) 290 x (H) 225 x (D) 192
Net Weight (kgs)	1.6
Shipping Weight (kgs)	4 (Shipped in pairs)

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.

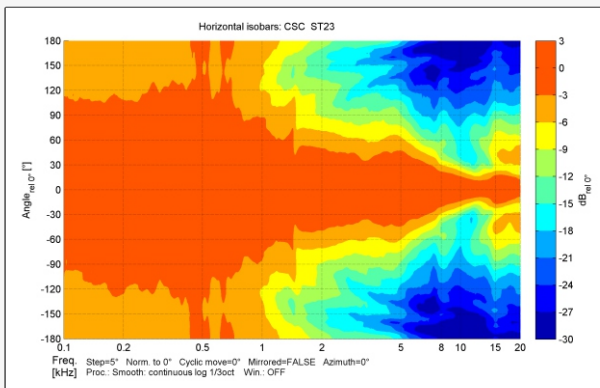


Vertical Polar Coverage (-6 dB)



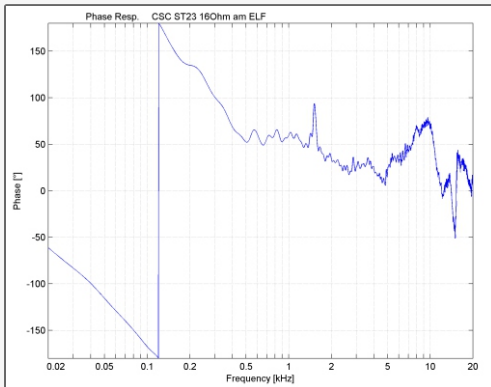
The ST23's dual 3" wideband drivers ensure tight vertical beam control of plus minus 40 degrees up to 8kHz, reducing ceiling/floor reflections in compact zones.

Horizontal Polar Coverage (-6 dB)



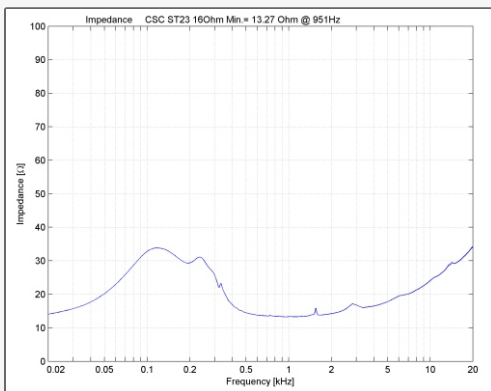
Delivers 90° horizontal spread up to about 7k making it suitable for most vocal applications.

Phase Response



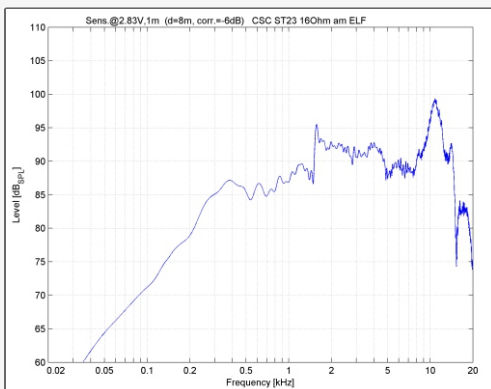
Full-range driver architecture ensures phase coherence across the audio band, minimizing delay smear.

Impedance Plot



8-ohm nominal with low inductance design for smoother frequency response and amplifier ease.

Frequency Response (Crossover Split)



Wideband from 150 Hz to 17 kHz, delivering intelligibility for paging or focused foreground audio.

Plot/Detail

Why It's Important

Beamwidth vs Frequency Plot

Shows how coverage narrows or widens across different frequencies, helping optimize speaker placement and aiming in acoustically diverse spaces.

Directivity Index (DI) & Q Factor

Useful for acoustic simulation and modeling; helps predict how focused or diffuse the sound will be in complex installations.

Total Harmonic Distortion (THD)

Indicates how clean and linear the speaker remains under real-world operating power, critical for maintaining clarity at high SPL.

SPL vs Input Voltage

Output scales clearly up to 108 dB SPL, optimized for controlled listening environments.

Sensitivity Graph

Validates the published 98 dB (1W/1m) sensitivity by frequency, ensuring accurate prediction of coverage and level in simulations.

Polars (1/3 Octave)

Provides off-axis response details at 500 Hz, 1 kHz, 2 kHz, 4 kHz, and 8 kHz for more accurate prediction in multi-speaker setups.