



## CSC STW 28

### GENERAL DESCRIPTION

The CSC STW28 is a wide-dispersion, powerful, versatile, passively crossed-over two-way mid-high cabinet designed to provide exceptional sound reinforcement. It works perfectly as a delay speaker in a nightclub, an 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, it is designed for a wide dispersion application. It has the flexibility to suit any kind of venue and a wide dispersion of 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 with 140° x 40° dispersion.

For demanding applications, the CSC Maestro MS 26 controller is configured to perform, with its EQ and limiter functions preloaded in the controller. Contrabass CB-215s, CR-18s, CB-15s, RRH218s, RR218s, CR218s, and ST18s are all perfectly matched with the STW-28.

### FEATURES:

- ▶ Wide dispersion passively crossed over a two-way system.
- ▶ Dispersion: 140° x 40°
- ▶ Mounting points behind the cabinet
- ▶ Large ports
- ▶ Ideal for installation and mobile use.

### SYSTEM APPLICATIONS:

- ▶ Small live bands.
- ▶ Lounge sound enhancement
- ▶ Main PA for small & medium installations.
- ▶ PA for convention centres
- ▶ Auditorium
- ▶ Places of worship

SYSTEM SPECIFICATIONS	CSC STW-28-4 & STW-28-16
Type	Two-way wide dispersion passively crossed over mid-high.
Frequency Response (1)	75 Hz- 19.5 kHz $\pm$ 3 dB
Drivers	LF: 2X8" (200 mm) with a 2" (50 mm) voice coil, HF: 1" (25 mm) DH compression driver using a 1.75" (44 mm) V.C.
Recommended Amplifier Up to	800/400 watts
Sensitivity ( (1 Watt/1 metre )	98 dB
SPL maximum (9)	123 dB continuous, 129 dB max.
Nominal Impedance	4 Ohms and 16 Ohms
Dispersion	140° x 40°
HPF	70 Hz full range/110 Hz with subwoofer crossover
Enclosure	Baltic birch ply
Finish	with textured black paint.
Protective Grille	Perforated Steel
Connectors	2 x Neutrik NL4
Pin Connections	LF: $\pm$ 1, HF: $\pm$ 2
Standard Colours	Black or White
Standard mounting points	At the rear and top
Product Dimensions	543 mm (W) x 395 mm (H) x 316 mm (D)
Dimensions, including packing	595 mm (W) x 450 mm (H) x 360mm (D)
AES	450 Watts Continuous Power
Rated Maximum/Programme Power	900 Watts
Peak Power	1800 Watts
Accessories	Wall/ceiling mount bracket, extension pipe
Net weight	18 kg
Shipping Weight	21 kg

Mid-highs are measured on the axis in full space at 1 watt / 1 meter using band-limited pink noise. In the endeavor to continuously improve the product with design refinements introduced into existing products. Any current CSC product may differ in some respects 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.

## SAFETY INSTRUCTIONS

- ▶ When flying speakers, appropriate hardware and techniques must be employed to safely suspend the enclosures.
- ▶ Ensure that all instructions that appear on specific loudspeaker datasheets are followed.
- ▶ All speaker hardware and flying apparatus must be regularly inspected for any visual or mechanical failures.
- ▶ When using speaker stands, ensure the ground is flat and the speaker is stable.
- ▶ Leave adequate distance between the speakers and the audience. Refer to your local authority for health and safety guidance when using loudspeaker systems.
- ▶ The CSC digital controller has been programmed by a CSC-authorized technician. Do not use CSC loudspeaker systems without the correct controller and program. If a system fails due to incorrect controller use, the warranty is void.
- ▶ Protect your speakers and electronics from ice or exposure to humidity, water, or rain.
- ▶ CSC loudspeakers and electronics are covered against defects in workmanship or materials for a period of two years from the original date of purchase. The CSC warranty does not cover any item that, in CSC's opinion, has failed due to user abuse, accident, or modifications.
- ▶ The defective item will be repaired or replaced with no charge for materials or labor. However, the item should be adequately packed and dispatched, pre-paid, to a CSC-authorized distributor or service centre.

