



Product Technical Data Sheet

**Model CM208W-SR**

Description

The CM208W-SR is a dual 8" subwoofer intended for background music playback. It is specifically designed for installation in sheetrock ceilings.

The input section includes a low pass crossover as well as high passed outputs that incorporate our series parallel network for driving four 8 ohm satellite speakers at an 8 ohm total load. Additionally, by removing a pair of jumpers the subwoofer can be used with DSP based bi-amp designs while still incorporating the series parallel network for the high pass satellite outputs to avoid using 70V transformers.

As an option the subwoofer can be ordered with an internal 70V 60W transformer. This transformer is in circuit before the crossover so the subwoofer and four CM Series satellites can be powered by one 70V amplifier channel if desired.

Key Features

- Operating range extending down to 32Hz using dual 8" poly cone drivers
- Small format design
- Built in crossover with high pass series/parallel outputs for use with other CM series speakers. This configuration can also be biamped with DSP crossover based designs for maximum performance
- Optional factory installed 70V 60W transformer that can power the subwoofer and the satellites or just the subwoofer with one 70V amplifier channel
- Barrier Strip inputs and outputs
- Comes with an installation ring that can be delivered in advance of the subwoofer for mounting during project construction.
- Enclosure and installation ring painted with a Class A fire rated finish
- Paintable white grill



Product Specifications	
Operating Range <sup>1</sup>	32Hz - 200Hz
Sensitivity (1W/1M) <sup>2</sup>	89dB
Power Handling <sup>3</sup>	200W RMS (40 Volts)
Max SPL (calculated) 1 Meter	112dB SPL
Recommended Amp Power for Max Output	400 Watts @ 8 ohms
Nominal Impedance	8 Ohms or optional 70V 60W tap
Suggested DSP Crossover Frequency - HPF	30Hz - 4th order BW
LPF	100Hz - 4th order BW
Transducers	Dual 8" Woofers
Input/Output	Barrier Strip
Dimensions	19" L (48.3cm) 19" W (48.3cm) 15.75" D (40cm)
Enclosure	13ply Baltic Birch
Weight	45 lbs (20.4kg) Shipping 63lbs (28.6kg)
Mounting	Install/mounting ring
Optional Accessories	Internal 60W 70V transformer
Finish	White Grill with white trim (paintable)

Applications

- High quality business music playback
  - Retail
  - Restaurant
  - Hospitality
- Commons area fill music

1. LF at -10dB  
 2. Full bandwidth pink noise is applied and amplified to a level and measured at the loudspeaker terminals - corresponding to 1 Watt as referenced to the loudspeakers nominal impedance. SPL is measured in a half-space environment in the loudspeakers far field. Data is extrapolated to 1 Meters distance from the loudspeaker.  
 3. AES established with ambient temperature at 22C in accordance with AES/2-1984 standard. IEC stated in RMS voltage according to IEC 268-5



# CM208W-SR Drawings

