

# CustomSound™ CS 500W Digital Subwoofer Amplifier



This digital subwoofer amplifier delivers sufficient power for up to two PSB subwoofers. The built in digital signal processor (DSP) allows the installer to create several EQ settings as well as containing profiles tailored for PSB subwoofers. A built-in limiter circuit filters the incoming information and keeps it from driving the subwoofer beyond safe operating parameters. It can be powered up by several means including signal sensing and 12 volt trigger. A rack mount kit enables the subwoofer amplifier to be mounted into a 1U rack space.

The CS 500W gives the installer the necessary power and control to seamlessly blend subwoofers into any musical or theater environment.

- 500-Watt Digital Subwoofer Amplifier
- Drives two passive subwoofers simultaneously
- DSP implementation of EQ calibrated speaker profiles
- DSP profile adjustments (movies, music, flat)
- Terminal block speaker connector accommodates ten-gauge speaker cable
- IR in with up to 4 selectable IR channels
- Auto on/off or 12V trigger in
- Low level inputs/outputs
- 1U rack height
- Removable rack ears and feet included
- Switchable power supply
- Detachable power cord
- <0.5W standby power consumption
- Gross Dimensions: 16 7/8 x 1 3/4 x 8 1/8" (W x H x D)

# CustomSound™ CSIW SUB10 In-wall Speaker



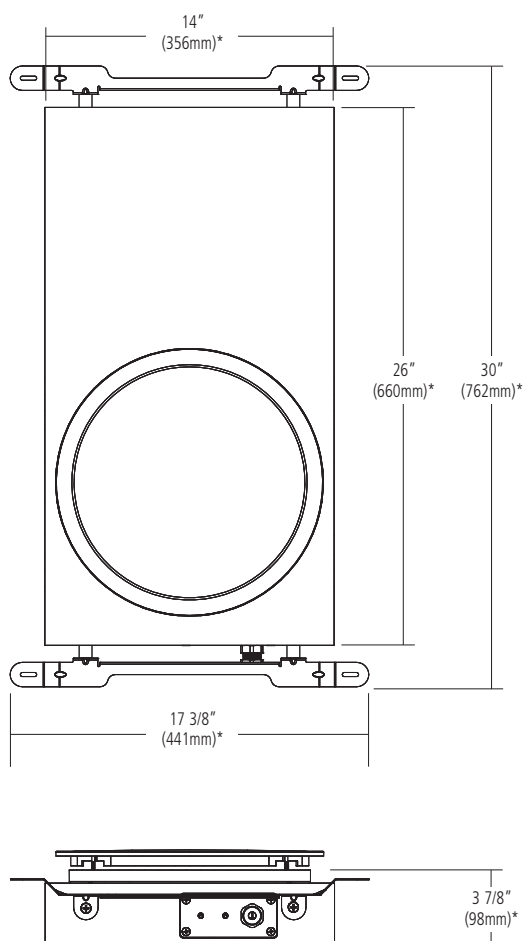
Preliminary



The CSIW SUB10 is a new construction subwoofer created to isolate the sealed cabinet from the drywall, as well as minimize the protrusion of the grille from the surface of the drywall. The unique design couples the subwoofer cabinet to the stud beams and allows the grille to accommodate various wall thicknesses. A high excursion shallow driver delivers bass response that is both precise and plentiful.

- 10" Passive In-Wall Subwoofer
- High excursion, shallow driver with Glass fiber / PMI foam sandwich cone, dual rubber surround
- Designed for new construction
- Sealed Cabinet Design
- Dual mounting options included
- Rubber isolated mounting brackets
- Round and square grilles included
- Minimizes grille protrusion from the wall
- Ideal match with CS500W subwoofer amplifier
- Magnetic, small perforation grille
- Design and final voicing engineered by Paul Barton
- Gross Dimensions: 14 x 26 x 3 7/8" (W x H x D)

# CustomSound CSIW SUB10 In-wall Speaker



## Frequency Response

On Axis @ 0°±3dB	25-150Hz
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## Sensitivity

Anechoic Chamber	88dB
Listening Room	90dB

## Impedance

Nominal	8 Ohms
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## Acoustic Design

Woofer (Nominal)	10" (254mm) Glass fiber / PMI foam sandwich cone Die Cast Basket Rubber Surround Balanced Drive motor structure
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## CONSTRUCTION

Cabinet	MDF
Grille	Magnetic, Small Perforation Metal

## Size (W x H x D)

Net W	14" (356mm)
Net H	26" (660mm)
Net D	3 7/8" (98mm)

## Shipping Information

Net W	TBD
Net H	TBD
Net D	TBD
Volume	TBD
Weight – Net	TBD
– Shipping	

**Note:** The PSB CS 500W Subwoofer Amplifier is specifically designed for the CSIW SUB10 and can power up to two subwoofers simultaneously.

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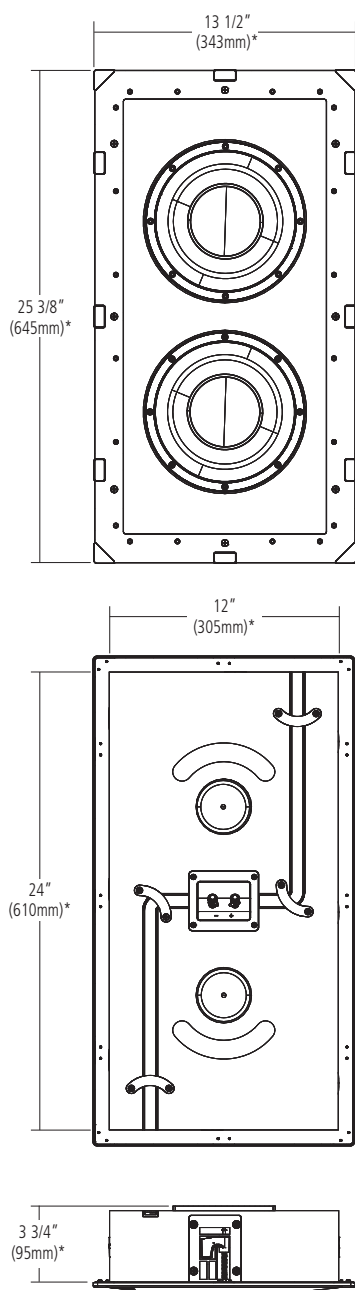
# CustomSound™ CSIW SUB28 In-Wall Subwoofer



The CSIW SUB28 is a sealed cabinet subwoofer with dual 8" high performance drivers capable of delivering detailed low frequency performance. Equipped with heavy duty nylon dog-ears, and a magnetic small perforation grille, the CSIW SUB28 can be used in both new construction or retrofit applications. Versatile, and easy to deploy, the CSIW SUB28 is a cornerstone of audio system design.

- Dual 8" Passive In-Wall Subwoofer
- Polypropylene cone, rubber surround
- Designed for both new construction or retrofit applications
- Sealed Cabinet Design
- High strength doglegs for easy installation and removal
- Magnetic, small perforation grille
- Design and final voicing engineered by Paul Barton
- Ideal match with CS 500W subwoofer amplifier
- Height: 25 3/8"  
Width: 13 1/2"  
Depth: 3 3/4"

# CustomSound CSIW SUB28 In-Wall Subwoofer



**Note:** The PSB CS 500W Subwoofer Amplifier is specifically designed for the CSIW SUB28 and can power up to two subwoofers simultaneously.

## Sound Pressure Level

Maximum @ 100Hz	TBD
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## Sensitivity

Anechoic Chamber	87dB
Listening Room	89dB

## Impedance

Nominal	4 Ohms
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## Acoustic Design

Woofer (Nominal)	2 x 8" (100mm) Carbon Fibre Cone Rubber surround Steel Basket
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Design Type	Sealed Cabinet
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## CONSTRUCTION

Cabinet	Metal
Grille – Grille Face	Metal

## Size (W x H x D)

Net W	13 1/2" (343mm)
Net H	25 3/8" (625mm)
Net D	3 3/4" (95mm)

## Shipping Information

Net W	18 1/2" (470mm)
Net H	31 4/5" (808mm)
Net D	12 1/5" (310mm)

Volume	0.3 ft <sup>3</sup> (8½ liters)
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Weight – Net	26 lb (12 kg)
– Shipping	32.6 lb (14.8 kg)

## Finish

Type	White Paintable Grille
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