



REVEL® B28W IN-WALL SUBWOOFER
AND SA1000 AMPLIFIER





IN-WALL SUBWOOFER SYSTEM WITH EXTERNAL RACK MOUNTABLE AMPLIFIER

As part of Revel's holistic, high-performance architectural product portfolio, we introduce the B28W in-wall subwoofer and SA1000 subwoofer amplifier.

The B28W features two high-performance 8" (200mm) drivers, which allow it to provide high-quality, low-frequency output. The self-contained subwoofer module with integrated back-box allows for easy retrofit installation application. This in-wall subwoofer system is designed to be powered by the SA1000, a single channel, 1500W Peak Class D amplifier.

The SA1000 is a custom amplifier solution, optimized for the highest level of performance and reliability. This rack-mount amplifier includes user features on the front panel, and a custom installer focused feature set on the rear panel. As part of Revel's in-wall subwoofer system, this rack mountable Class D component is designed to power the B28W in-wall subwoofer.

This complete in-wall subwoofer solution is designed to complement Revel's high-performance architectural product portfolio. It delivers dynamic bass and lifelike realism to concealed music and home cinema systems resulting from Revel's advanced engineering prowess, and comprehensive subjective and objective measuring tests.



700 WATTS RMS (1500 WATTS PEAK) SOLUTION FOR POWERFUL, DYNAMIC BASS

The SA1000 single channel, rack mount amplifier has two outputs in parallel, so you can power one B28W subwoofer module with 350W RMS (750W Peak). When a second B28W subwoofer module is connected to the second output of the SA1000 amplifier, the total output power increases to 700W RMS (1500W Peak).



COHESIVE AESTHETICS

The industrial design that has been created for the in-wall loudspeaker line allows for a very unobtrusive, clean look when installed in home applications. With minimal visual impact, the installed speakers provide cohesiveness within the room, as well as maximum sound quality and performance. The Revel zero-bezel design enables these speakers to become virtually invisible within the room.

ZERO-BEZEL MAGNETIC GRILLES

The zero-bezel grilles provide an unobtrusive look that allows the product to blend in seamlessly with its surroundings. The ultra-thin design attaches magnetically and completely covers the speaker. The lack of a traditional bezel on the speaker reduces labor when painting the grilles, as no paint mask is required.



SYSTEM HIGHLIGHTS

- Completes in-wall/in-ceiling solutions for music and home theater systems
- Connect up to two B28W Subwoofers with each SA1000 Amplifier
- Designed to fit standard 2 x 4 stud frame construction
- Self-contained subwoofer module with integrated back-box allows for easy retrofit installations

B28W In-Wall Subwoofer Highlights:

- Dual 8" (200mm) low-profile, long-throw, Klippel-optimized, metal cone woofers
- Front-firing drivers with sealed back box for superior acoustic tuning
- Gold-plated speaker terminals
- Zero-bezel, magnetically-attached grille

SA1000 Amplifier Highlights:

- User-adjustable Single-band PEQ – Room Equalization
- Short-circuit and over-current protection
- Over-temperature compensation
- Two dual-banana output connectors for easy connection

SPECIFICATIONS



B28W In-wall Subwoofer

- » **Model:** B28W
- » **Description:** In-wall subwoofer
- » **Driver Complement:** Dual 8" Polymer-coated Aluminum Cone Rubber-Surround woofers
- » **Frequency Response (-6dB):** 36Hz – 150Hz, using the SA1000
- » **SPL (CEA2010B):** 107dB
- » **Nominal Impedance:** 8 Ohm
- » **Required Amplifier:** Revel® SA1000 Amplifier, in EQ Switch Position Type 2
- » **Sensitivity Variable,** using the SA1000
- » **Mounting Cutout Size (H x W):** 23-1/2" x 14-1/2" (596.9mm x 368mm)
- » **Height:** 25-3/8" (645mm)
- » **Width:** 16-1/2" (419mm)
- » **Depth:** 4" (102mm)
- » **Weight per speaker:** 28.4 lb (12.9kg)



SA1000 Amplifier

- » **Model:** SA1000
- » **Description:** Amplifier
- » **Rated Output Power (RMS) into the minimum impedance of 4 Ohms:** 700 Watts (350W per Subwoofer)
- » **Peak Power:** 1500 Watts (750W per Subwoofer)
- » **Rated Impedance:** 8 Ohms per speaker output
- » **Minimum load Impedance:** 4 Ohms
- » **Model-Specific EQ 1:** Only for Revel B28C;
2: Only for Revel B28W
- » **Input Sensitivity to 1W @ 50Hz:** 16.3mVrms +/- 1dB (Single input driven) Gain = 41.7dB
- » **Input Overload (Both inputs driven):** 2.0Vrms
- » **Input Impedance:** >10K Ohms
- » **Low Pass Crossover Range:** 50-150Hz
- » **Auto Turn On Input Sensitivity @ 50Hz:** Typical 10mV
- » **THD+N at 1W:** <0.3%
- » **THD+N at Rated Output Power:** <1%
- » **Signal-to-Noise ratio to 1W:** >65dBA
- » **Minimum AC Mains power requirements:**
Model: 700W, 5A – 100-120VAC-50-60Hz
Model: 700W, 3A – 230VAC-50-60Hz
- » **Power consumption (Standby):** 0.5W
- » **Height:** 3.50in (88.90mm)
- » **Width:** 17in (431.8mm)
- » **Depth:** 11.04in (280.3mm)
- » **Weight:** 14 lb (6.35kg)



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