

# W126Be

## 6.5-inch (165mm) 2-way In-wall Loudspeaker

REVEL®

PERFORMA<sup>4</sup> Be™



### Product Overview

With a compact design the W126Be 6.5-inch (165mm) 2-way In-wall Loudspeaker is perfect for high-end 2 channel and distributed audio in-wall systems. They are also perfect as fronts, sides, or rears within smaller high-end media rooms. A zero-bezel magnetically attached grille allows the W126Be to blend into any décor and with elements including Beryllium Tweeters with Acoustic Waveguides and Patented Revel DNA it is sure to deliver unparalleled detail and a cohesive soundstage. Additionally, the W126Be shares the same caliber of components and acoustic signature as the PerformaBe in-room loudspeakers allowing it to be mixed and matched to systems where bookshelf or floor standing versions may already exist.

At the heart of the W126Be is a 1-inch (25mm) beryllium dome tweeter driven by dual ceramic-magnets. The powerful tweeter and 5th-generation ceramic-coated, cast-aluminum Acoustic Lens waveguide seamlessly integrate with the directivity of the companion woofer driver resulting in greater efficiency, improved dynamic range, reduced distortion, and increased power handling compared to aluminum or titanium tweeters.

The 6.5-inch (165mm) aluminum cone woofer utilizes Deep Ceramic Composite (DCC) cone for improved performance. DCC is a plasma electrolytic oxidation process that uses a plasma discharge to create a coarse ceramic coating on both sides of the aluminum core. The deep ceramic layers sandwiching the aluminum core provide constrained layer damping that push cone breakup modes outside of the passband allowing the driver to maintain ideal piston motion throughout its range. DCC cones combine with

optimized motor magnetics to deliver improved mid- and low-frequency performance.

Revel PerformaBe crossover networks utilize all film capacitors and air core inductors in the midrange and tweeter circuits. These premium components allow Revel's world-class engineers to extract nuances and details from music that would otherwise be lost. Combined with traditional Revel high-order crossover slopes and proprietary Acoustic Lens waveguide geometry, transducer integration is seamless.

### Highlights

- 1-inch (25mm) Beryllium dome tweeter with dual ceramic-magnets and acoustic lens waveguide
- 6.5-inch (165mm) Deep Ceramic Composite (DCC) Aluminum Cone Woofer
- High-Order Crossover Design
- Zero-bezel magnetically attached and paintable grille
- Cat Claw Mounting System for Wallboard or optional Backbox installations
- Mounting depth fits within standard 4-inch-deep wall stud bays
- Acoustically tuned wooden backbox (sold separately) delivers optimum performance and minimizes room-to-room sound transfer

# Specifications

<b>W126BE</b>	
<b>Description</b>	6.5" (165mm) 2-way In-wall Loudspeaker
<b>High Frequency Transducer</b>	1" (25mm) Beryllium dome with dual ceramic-magnets and acoustic lens waveguide
<b>Midrange Frequency Transducer</b>	N/A
<b>Low Frequency Transducer</b>	6.5" (165mm) Deep Ceramic Composite (DCC) Aluminum Cone Woofer
<b>Recommended Amplifier Power (RMS)</b>	50-150 Watts@ 4 ohms
<b>Frequency Response (-6dB on-axis)</b>	55-40 kHz
<b>Sensitivity (2.83V@1m)</b>	89 dB
<b>Maximum SPL</b>	105 dB
<b>Impedance (Nominal / Minimum)</b>	6 Ohms / 4 ohms
<b>Crossover Frequency</b>	2100 Hz
<b>Crossover Type / Slope</b>	3rd order
<b>Controls</b>	High Frequency Level - Flat / Attenuated
<b>Input Type</b>	Gold-plated Spring-Loaded Binding Posts
<b>Mounting Type</b>	Revel Cat Claw Mounting System
<b>Compatible Wall Thickness Range</b>	Min 0.4" (10mm) / Max 1.0" (25mm)
<b>Cutout Dimension(s)</b>	14.1" x 8.9" (357mm x 226mm)
<b>Mounting Depth</b>	3.5" (88.7mm)
<b>Recommended Enclosure Volume Range</b>	550 in <sup>3</sup> (9L) to 1100 in <sup>3</sup> (18L)
<b>Net Dimensions with grille (HxWxD)</b>	15.6" x 10.2" x 3.8" (395.2mm x 260.2mm x 96.7mm)
<b>Net Weight (Speaker + Grille)</b>	10.4 lb (4.7kg)
<b>Shipping Dimensions (HxWxD)</b>	22.4" x 14.1" x 9.7" (570mm x 357mm x 245mm)
<b>Shipping Weight</b>	14.1 lb (6.4kg)
<b>Packed As (Each / Pair)</b>	Each
<b>UPC Code</b>	050667380120
<b>EAN Code</b>	1200130003585

<b>W126BEBB (Sold Separately)</b>	
<b>Description</b>	W126Be In-Wall Back-box
<b>Input Type</b>	Gold-plated Spring-Loaded Binding Posts
<b>Compatible Wall Thickness Range</b>	Min 0.4" (10mm) / Max 0.6" (16mm)
<b>Enclosure Volume (Cubic Inch / Liters)</b>	556.6 in <sup>3</sup> (9.1L)
<b>Net Dimensions (HxWxD)</b>	19.7" x 14.0" x 3.5" (500mm x 355mm x 87.9mm)
<b>Net Weight</b>	9 lb (4.1kg)
<b>Shipping Dimensions (HxWxD)</b>	25.6" x 20.3" x 10.6" (650mm x 515mm x 270mm)
<b>Shipping Weight</b>	16.5 lb (7.5kg)
<b>Packed As (Each / Pair)</b>	Each
<b>UPC Code</b>	050667380168
<b>EAN Code</b>	1200130003622
<b>WB81 (Sold Separately)</b>	
<b>Description</b>	W126Be Pre-Construction Bracket
<b>Packed As (Each / Pair)</b>	Each

# Dimensional Drawing

