



# SUMMIT MAKALU



## Introducing

The Summit Makalu, a floorstanding loudspeaker built for the discerning music enthusiast. It features a newly designed complement of drivers starting with JBL's D2830K 3-inch (75mm) dual-diaphragm, dual-motor compression driver mated to a large format Sonoglass® High-Definition Imaging (HDI™) horn. Anchoring the sound foundation of Summit Makalu are an 8-inch (200mm) cast-frame mid-bass driver and a 12-inch (300mm) cast-frame woofer. Both drivers utilize a triple-layer Hybrid Carbon Cellulose Composite Cone (HC4), a design made from a proprietary formula of carbon-fiber and pure-pulp front and rear surfaces, sandwiched with an internal core of closed-cell foam. This hybrid cone design provides the proper stiffness, overall mass, and structure to deliver high-output, low distortion, and high-power handling.

Controlling how the signal is distributed to each of the drivers in Summit Makalu is a MultiCap™ crossover network with single-wire and bi-amp/bi-wire connectivity. By replacing traditional large capacitors with an increased number of smaller capacitors, this design results in lower ESR (Electro-Static Resistance) and less energy lost in mechanical movement. All of which results in greater signal throughput to the drivers, increased power handling, enhanced dynamics, ultra-low distortion, and exceptional clarity. All drivers and crossover components are housed in a beautifully engineered cabinet featuring internally offset multi-braced and damped curved-wall construction to minimize internal cabinet standing waves. Enclosures are offered in a choice of a high-gloss painted black finish with Summit platinum accents or high-gloss ebony wood veneer finish with Summit gold accents.

## Highlights

- **3-inch (75mm) Dual-diaphragm, Dual-motor High-Frequency Compression Driver mated to a Custom High-Definition Imaging (HDI™) Sonoglass® Acoustic Horn**
- **8-inch (200mm) Cast-frame, Triple-layer Hybrid Carbon Cellulose Composite Cone (HC4) Mid-bass with Accordion-Edge Surround**
- **12-inch (300mm) Cast-frame, Triple-layer Hybrid Carbon Cellulose Composite Cone (HC4) Woofer with Half-Forward-Roll Surround**
- **MultiCap™ Crossover Network with Single-wire and Bi-Amp/Bi-Wire Connectivity**
- **Frequency Response: 20Hz-34kHz (-10dB) / 23Hz-33kHz (-6dB)**
- **Finely Crafted and Beautifully Detailed Enclosure with Carbon Fiber Baffle Trim**
- **Soft-curved Cabinet Walls with Heavily Braced and Dampened Construction from sustainably-sourced engineered wood**
- **JBL | IsoAcoustics™ Adjustable Acoustic Isolation Feet**
- **Luxurious High Gloss Finishes with Summit Platinum or Summit Gold detailing**



# SUMMIT MAKALU



## SUMMIT SERIES



A collection of the finest and most capable loudspeakers ever produced by JBL for residential applications. Developed at JBL's legendary Acoustic Center of Excellence in Northridge, California, each model has been designed and engineered to be the best-in-its-class. Utilizing patented and proprietary acoustic technologies, these loudspeakers attain new heights of high-fidelity sound and render music with clarity, detail, and dynamics like never before.





# SUMMIT MAKALU

## Specifications

|   |   |
|---|---|
| <b>Description</b>                        | 3-Way, 12-inch (300mm) Floorstanding Reference Loudspeaker  |
| <b>High Frequency Control</b>             | High-Definition Imaging (HDI™) Sonoglass® Acoustic Horn   |
| <b>High Frequency Transducer</b>          | D2B30K; Dual 3-inch (75mm) Annular Ring Teonex® Diaphragms, Dual-motor D2 Compression Driver Mated to the Summit Pumori High-Definition Imaging (HDI™) Horn   |
| <b>Mid-Bass Transducer</b>                | JMW200SC 8-Inch (200mm), Triple-Layer Hybrid Carbon Cellulose Composite Cone (HC4) with Dual-Inverted Spiders, a 2.5-Inch Voice Coil, Underhung Neodymium Motor, Cast Aluminum Frame, and Treated-Cloth Accordion-Edge Surround |
| <b>Low Frequency Transducer</b>           | JW300SC: 12-inch (300mm), Triple-layer Hybrid Carbon Cellulose Composite Cone (HC4) with Dual Inverted Spiders, 3-inch Voice Coil, Ferrite Motor, Cast Aluminum Frame, Half-Forward-Roll Surround                               |
| <b>Sensitivity (2.83V @ 1m)</b>           | 88 dB   |
| <b>Recommended Power</b>                  | 25 - 300 Watts RMS  |
| <b>Maximum SPL</b>                        | 113 dB  |
| <b>Frequency Response</b>                 | 20Hz – 34kHz (-10dB on-axis)<br>23Hz – 33kHz (-6dB on-axis)   |
| <b>Impedance</b>                          | 4 Ohms (Nominal)<br>3.5 Ohms (Minimum @ 79Hz)   |
| <b>Crossover</b>                          | 285Hz / 1100Hz / Series MultiCap™ / Acoustically Symmetric 3 <sup>rd</sup> and 4 <sup>th</sup> Order 3-way  |
| <b>Internal Wiring</b>                    | Ohno-Continuous-Cast (OCC) Long-Crystal Oxygen-Free Silver-Plated Copper Wire   |
| <b>Controls</b>                           | Bi-amp / Bi-wire Capable with 2-Pairs of Binding Posts  |
| <b>Input Type</b>                         | Rhodium-Plated, Silver-Coated, Oxygen-Free, Pure Copper Core Binding Posts with a Chrome-Plated Brass Carbon-Fiber Wrapped Shell and Nylon / Glass-Fiber Insulators (2 pairs)   |
| <b>Enclosure Type</b>                     | Internally Offset Multi-Braced & Damped Curved-Wall Made from Sustainably-Sourced Engineered Wood with Multi-Component Lining   |
| <b>Enclosure Tuning</b>                   | Dual Rear-Flared Bass Ports   |
| <b>Enclosure Finish Options</b>           | Black High Gloss (BG)<br>Ebony Veneer with High Gloss (EG)  |
| <b>Net Dimensions with grille (HxWxD)</b> | 43.4" x 18.3" x 15.5" (1102.3mm x 464.3mm x 393.0mm)  |
| <b>Weight</b>                             | 152.6 lbs (69.2kg)  |
| <b>Shipping Dimensions</b>                | 51.1" x 27.4" x 25.0" (1298.0mm x 695.0mm x 636.0mm)  |
| <b>Shipping Weight</b>                    | 177.3 lbs (80.4kg)  |