



Zu Audio

Ogden Commercial
Industrial Park
3350 S. 1500 W.
Ogden, Ut 84401
U.S.A.

+1-801-627-1040

ZuAudio.com

Essence Loudspeaker Specifications

April 2009 (Production Version 1)

Design Essence is a high efficiency, high output, direct radiating floor standing loudspeaker. It features a full-range Zu designed and built driver, full implementation of the ZuRG (Griewe) loading with fixed gap height, no crossover or filters on full-range driver, complimented by a high output transformer coupled ribbon tweeter to provide the sparkle and resolution from 10k Hz and up.

Version 1.0

Launched January 2009, production units began shipping March 2009

HWD 49" x 12" x 12" (125 x 30.5 x 30.5 cm)

Footprint 12½" x 12½" (32 x 32 cm)

Weight 65 pounds (29.5 kgs)

Packaged One per shipping box, 73 pounds (33 kgs) 43" x 16" x 15" (137 x 41 x 38 cm)

Driver Compliment Zu260FRD/G4, 10-½" full-range driver covering 30 to 10,000 cps (Hz)
TB-185SS-B ribbon tweeter with final foil adjustment and assembly by Zu

Component Tolerance driver >1% pair matching, 0.1% on all other electrical components.

Recommended Connector ¼" spade (6.3mm fork)

Accepted Connectors Also accepts oversized spades, standard and oversized ring lugs, bare wire, pins, & banana plugs in a pinch.
Banana plugs are clamped between clamp block and copper lugs and are not socketed

Efficiency 97 dB @ 1 Watt, 1 meter

Impedance 12 Ω, nominal full bandwidth, 9 Ω minimum

Average Room / Moderate Volume 2 - 8 Watt

Large Room / Loud 8 - 30 Watt

Large Room / Concert Level 30 - 80 Watt

Max Music Input Power (Full Bandwidth) 300 Watt

Max sustained RMS Power (Full Bandwidth) 200 Watt

Bandwidth 30 - 40,000+

Group Delay < 5 ms

Dynamic Range 120 dB

Horizontal Acoustic Center 40" (101 cm)

Horizontal Listening Window 45°

Vertical Listening Window 40°

Full-range Driver Network None

Super-tweeter Network high-pass second order Bessel based, 10k mathematical (12k+ acoustic)

Internal Cabling Zu Mission, pure copper, approximate conductor area is 13 AWG per charge

Cabinet MDF / Baltic birch

Spike / Feet Insert Thread ⅜ - 16 TPI (⅛" hex nut, 14mm wrench can be used but is tight)

Standard Finishes Jet black hand-cut & polished gloss with silver trim, or American black walnut in satin with black trim

Custom Finishes Without Upcharge Zu Smooth Matte in Charcoal, Moss, Sage, Dune, Cobalt, or Phoenix red

Custom Finishes ...Limitless... priced quoted per job. Zu uses PPG™ Vibrance™, Spies-Heckler™, DuPont™ Chroma, and House of Kolor™ materials

Included With Loudspeaker hard-surface ball-end footers installed with S.S. ⅛" jam nuts. Also included are carpet spikes, owners manual, polish cloth, and copper lug cleaning kit.

Manufacturers Country Of Origin U.S.A. all parts and labor excluding the TB ribbon tweeter which is a product of Taiwan

Life Expectancy Lifetime on cabinet, 40 years plus on Zu260FRD/G4, 15 years on ribbon foil (serviceable)

Warranty & Service 5 years limited, does not cover misuse or abuse. Essence is designed to be field serviceable, video and written service manual under production.

