

DEFINITION Mk.III TRANSFORM

[Rev-B]



AD COPY + SPECIFICATIONS

1 | 2020



DEFINITION MK.III REV-B TRANSFORM

Mk.III Revision-B is last and final Definition Mk.III. Changes between the Definition Mk.III and the Mk.III Rev-B are:

- Split tuning and isolation of the rear subwoofer drivers; top two are tuned higher for improved transient response, bottom two are tuned deeper for improved sonic heft.
- Jupiter Copper Wax/Paper capacitors in high-pass network on tweeter to inject a touch of sweetness without compromising resolution.
- 1-1/4 oak dowelling in the cabinet superstructure to reduced cabinet-source noise.
- Full longitudinal edge filleting using ProSet infusion resin, also to reduce cabinet noise.
- Revised AC mains transformer in the subwoofer amplifier for reduced transformer noise.
- Revised line-level input section for less noise and 3 dB higher gain.
- ZuB3 connection plus 5-way binding posts—accepting ZuB3 as well as banana plugs, standard spades, oversized spades, bare wire, without needing an adaptor.
- Definition Mk.III Rev-B laser marked nameplates.

The following information are common to both Mk.III and Mk.III Rev-B

DRIVERS

New nanotech Zu drivers are so much better than the old, the biggest difference had in the Definition Mk.III Transform. They make the old Zu drivers sound hazy, compressed, dynamically timid, and lacking resolution. The new Zu nanotech drivers are much more controlled, dynamically expressive, bold and resolving of all forms of resolution, tone, texture and transient detail. How? Electrodynamics of these new drivers are significantly improved, with nearly double the motive force product. 30% bigger and stronger magnets, revised motor circuit design to improve efficiency, improved dynamic shunting from diamagnetic circuit. The cone make-up is also lighter yet has twice the cone propagation velocity and more than three times the shear strength of the original Zu drivers. Processing changes and streamlining have also allowed us to realize tighter tolerance and accuracy.

- New 10" full-range drivers, the new nanotech Dominance drivers (Zu103/ND/G1-16).
- Matched as near-perfect pairs, and burned in for 400 hours in the Zu factory burn-in rig.
- Raises Definition Mk.III system impedance to 8 ohms.
- Driver model number engraved into the billet center cone for easy identification and confirmation. Serialized, with matching driver notation on driver frame face (visible if trim ring is removed).
- Re-matched tweeters, with revised high-pass network featuring Mundorf silver/oil caps matched to within 0.05% [Rev-B uses Jupiter Copper Paper/Wax capacitors].

ELECTRONICS / CABLE / INTERFACE

We remove all the old electronics and replace them with a completely new assembly that allows servicing of electronics to be done in the field. All electronics are now housed in a machined from 1/4" [6.3mm] aluminum plate, rack style assembly, that fits in the same spot (post cabinet mods) as the old Definition's input plate. Electronics are much more dynamic, super quiet, efficient and highly adjustable to let you really dial in deep bass and your room.



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- Machined faceplate with Definition Mk.III notation and fitted with machined electronics chassis mounted to back of plate.
- Electronics case and faceplate feature state-of-the-art, indexed, quick disconnects (ZuB3 via Neutrik 'speakON' 8-pole interface) for all connections making quick swap out in the event electronics service is needed in the future. [Rev-B features the ZuB3 connecton plus five-way binding posts.]
- Hypex UcD 400 watt fifth generation amplification (UcD DS4.0v5).
- User-tunable deep base response via five 3/4" [19mm] knobs on input plate:
Volume // Low-pass Filter // PEQ Gain // PEQ Frequency // Phase
- Custom, dead quiet, Hypex TR109 toroidal transformer [Rev-B].
- Replacement of old harness assemblies with Event/Def4-A based cabling.
- ZuB3 indexed interface via speakON 8-pole connection (Zu convention), the same found on the original Druid back in 2001 and returning on Definition Mk.IV and Mk.III. Lower contact resistance, minimum degradation to signal and power transmission due to gains afforded by ZuB3; and they are quick and easy to connect, without ever having to worry if you have the phase right or wrong. [Rev-B also accepting banana plugs, standard spades, oversized spades, bare wire.]

CABINET

After complete disassembly, cabinet is modified to fit the new electronics and faceplate. Cabinet is reinforced and braced with corner fillets [Rev-B using ProSet Infusion Reason], dowels on bridges Rev-B is 1-1/4 oak], damped, and fitted with new internal sound damping materials schedule. All combine to decrease cabinet plate modes, resonance amplitudes, internal cavity noise—and more closely tie drivers to cabinet framework. Shipped back to you in new shipping containers.

WARRANTY

Two-year limited warranty; cabinet, drivers, cable assembly, electronics, workmanship—does not cover abuse. Shipping is not covered.



DEFINITION MK.III REV-B TRANSFORM

ZU AUDIO DEFINITION Mk.III [Rev-B] **ACTIVE SUBWOOFER AMPLIFIER**

ZuB3
[via Speakon NL8]

8 ohm balanced load
[ZuB3 and posts are parallel]

VOLUME [Ref] 0 1 2 3 4 5 6 7 8 9 10

LOW-PASS [Hz] 10 20 30 40 50 60 70

PEQ GAIN [dB] 0 2 4

PEQ FREQ [Hz] 20 31 35 38 41 44 47 50

PHASE [Deg] 0 18 180 36 54 72 90 108 126 144 162

On
Off

- 120V (8A Slow Blow Fuse)
- 230V (6A Slow Blow Fuse)

SERIAL NUMBER
11001

Hypex UcD-400-0Ev5 amp module, Lundahl transformers, magic smoke

600 W max load—8 W idle / 50-60 Hz

Designed and made by Zu Audio in Ogden, Utah—U.S.A.

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ZU AUDIO

Ogden Commercial Industrial Park

3350 S. 1500 W.

OGDEN, UTAH — U.S.A.

[DESIGNED AND MADE BY US]