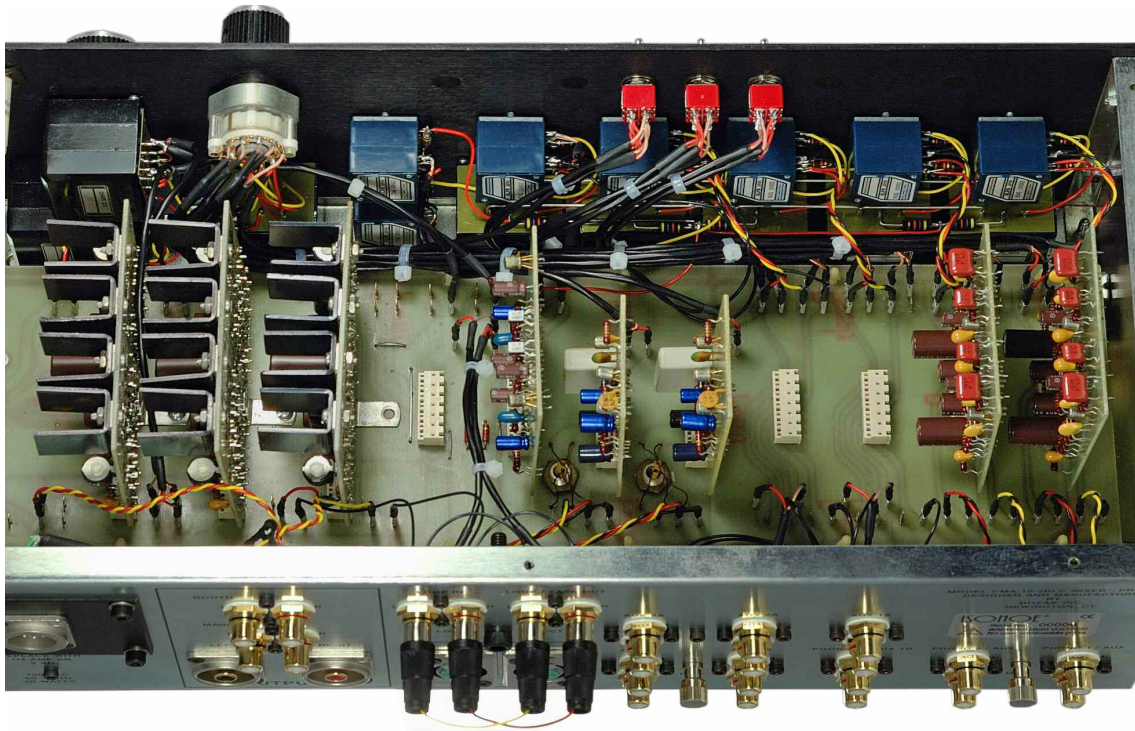


# ISONOE®



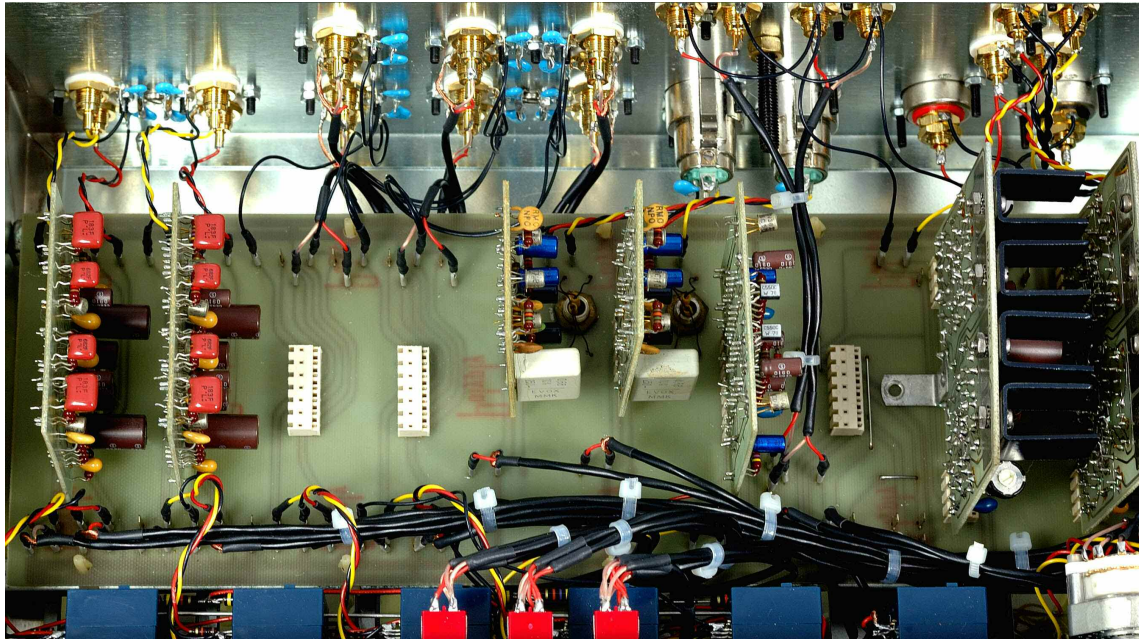
Formal Worldwide Studios Bozak CMA-10-2-DLC Build

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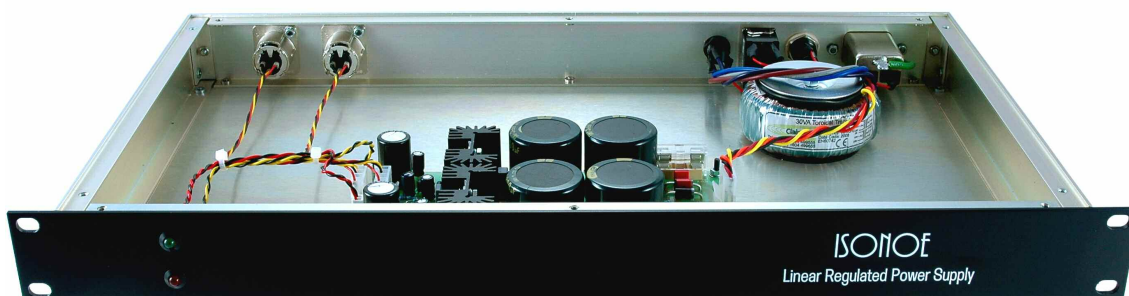
### Build Objectives:

- The DLC must be, to all intensive purposes, a 'new' unit — with only re-capped and tested plug-in cards being used from the donor mixer
- All Aux and Cue looming fabricated from scratch with Mogami cable
- All other looming fabricated from scratch with PTFE-insulated / silver-plated wire
- The Cue circuit must be free of crosstalk between channels. An ELMA switch (famed for its use in classic Neve and EMI equipment) is employed for its minimal stray capacitance (combined with the noise rejection from Mogami cabling)
- The Insert Loop system must enable the use of external equalisers without any adverse effects to frequency response



- The Tone Controls must be removed from the signal path, with Delrin plugs custommachined to cover the holes vacated in the front panel
- The original XLR connectors must be replaced with Neutrik RCA chassis-mount sockets. The output amplifiers are unbalanced so there is no point in having connectors designed for balanced operation (Neutrik Pro-Fi plugs + Neutrik chassismount connectors make a connection that's as secure as any XLR — a different scenario to decades ago when high quality RCA jacks did not exist)
- Level and frequency response channel matching on all Preamps and Output Cards must be matched within 0.1dB at any given frequency / amplitude





- The unit must be powered via an external, low-noise power supply, improving the signal-to-noise ratio of its preamps – also facilitating easier racking and handling of the main mixer-preamplifier by obviating the heavy original transformer

### Final Specifications:

- Signal-to-noise ratio from Phono In to Master / Booth Out: 96.5dB <0.02% THD
- Inter-channel crosstalk via Phono input: <-80dB
- Phono preamp inter-channel frequency response matching: <0.1dB
- Input connectors wired via Silver-plated, Teflon-insulated cable
- All Aux and Cue signal wiring via Mogami OFC cable
- Swiss-made ELMA rotary switch for Cue selection
- ELNA Silmic II electrolytic capacitors throughout
- 1% polypropylene hybrid film / foil RIAA network capacitors
- NOS ALPS RK40 potentiometers for all level controls
- ALPS RK27 potentiometers for balance
- Brand new gold plated RCA connectors throughout
- Brand new Switchcraft XLR connectors for balanced Mic inputs

