



## TEQ-Zero /EX stereo phono equalizer amplifier

Complete full DC, complete fully balanced, CR type phono equalizer amplifier with no negative feedback, made possible by our innovative technology

*exceptionally high in transparency, low in colouration*  
TEQ-Zero has achieved a truly natural sound.

## ▪ Product Features

### Eradication of sound deterioration factors

Complete full DC, complete fully balanced, CR type phono equalizer amplifier with no negative feedback TEQ-Zero can faithfully reproduce wide dynamic range and high resolution of analogue discs without colouration.

No emitter resistors

Revolutionary circuit technology that guarantees stable operation without any emitter resistors\*

Specially developed *duplex temperature compensation*

Meticulously tested and matched transistors

### Newly developed *differential* DC servo circuit

The circuit with a flat response from DC to high frequencies assures a stable operation of the zero-feedback amplifier. This results in no group delay from DC to 600kHz and high coherency.

### Large-capacity power circuit

Specially developed hand-wound flat-coil transformers with EI core that have very low magnetic flux density

### Ideal chassis design and component composition

Painstaking arrangement of components and wiring for the elimination of noise and vibration

## ▪ Specifications

Maximum output power: 10Vrms

RIAA deviation: 20Hz to 20kHz

Circuitry: Fully balanced DC with no feedback

Amplifier: FET and bipolar transistors

Input terminal: Cannon 3P connector (balanced) x4

Input impedance: 54k $\Omega$  (balanced)

Output impedance: 3 $\Omega$  (balanced)

Gain: 40dB approx. at 1kHz

Distortion: 0.02% max./ 20Hz - 20kHz at 5V output

Additional feature: Circuit breaker for power switch

## ▪ General Information

Colour: Silver or Japanese lacquered black (special order)

Body: Aluminum

Power requirement: AC100/117V 50/60Hz, 45W

Size: 346 x 200 x 425mm (13.62 x 7.87 x 16.73inches)

Weight: 30kg approx. (66lbs approx.)

Handcrafted in Japan only with specially selected Japan-made parts

*Information correct as of June 2011. All specifications are subject to change without notice.*

Technical Brain Ltd.

215-2 Kasahata, Kawagoe-shi

Saitama 350-1175, Japan

Phone: +81 (0)49 234 1109

Fax: +81 (0)49 234 1167

[www.technicalbrain.co.jp/en/](http://www.technicalbrain.co.jp/en/)

[enquiry@technicalbrain.co.jp](mailto:enquiry@technicalbrain.co.jp)

---

\* Patent number: 4284102 (Japan Patent Office)