

# *Pro iESL*

First among Energisers.



## Introduction



The **Pro series iESL** is the best way of driving electrostatic headphones.

We are confident that the iESL Pro *driven by either* the iCAN Pro or a powerful amplifier can go ‘toe-to-toe’ and more against the best Energisers today.

Its defining characteristic is a transparency and an ultra-wide dynamic range that is totally natural.

It works with all Stax, Sennheiser Orpheus and electrostatic headphones. Its transformer-coupled stage also elevates flagship dynamic headphones (rarely found).

The **Pro iESL** makes use of 3 core components, all developed using the very best classic approaches combined with the latest in cutting-edge technology, to deliver the ‘perfectly matched’ headphone experience.

- One-off Pinstripe Permalloy Core Transformer
- Bias Voltage Generator
- Capacitive Battery Power Supply

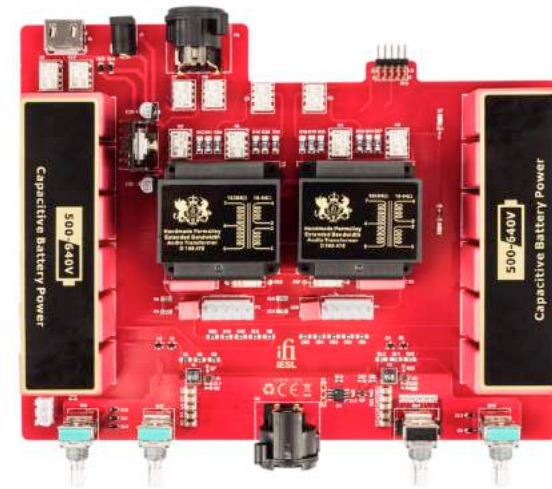
The retail price of the **Pro iESL** is **US\$1,399 (ex-tax)** or **€1,575/£1,395 (incl. VAT)**



## Technical specifications



|                           |  |
|---------------------------|--|
| Maximum Output voltage:   | 640V RMS (16 $\Omega$ /20V in)<br>320V RMS (64 $\Omega$ /20V in) |
| Frequency Response:       | 5Hz – 50kHz (-3dB)   |
| Input Voltage (Pro iESL): | 5V – 9V/1A max   |
| Input Voltage (iPower):   | AC 85 – 265V, 50/60Hz  |
| Power Consumption:        | <1W  |
| Dimensions:               | 213(l) x 206(w) x 63.3(h) mm                                     |
| Weight:                   | 2.5kg (5.5lbs)   |



# Stairway to Heaven<sup>1</sup> 'Energise' electrostatic headphones



With the Pro iCAN

or

With a powerful amplifier



ESL Link



Loudspeaker  
Cable



# Stairway to Heaven<sup>2</sup> 'Transformer-Couple' dynamic headphones



With the Pro iCAN

or

With a powerful amplifier



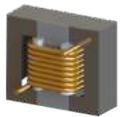
ESL Link



XLR Cable\*



\* Please note XLR or loudspeaker cables can be used here. XLR cables are often the preferred option for maximum performance.



### **One-off, Pinstripe Permalloy Core Transformer**

Our custom high-bandwidth transformer uses complicated hand-wound, multi-section windings with both vertical and horizontal sectioning. They exceed the standards set by Siemens (Germany) and Peerless (USA). With a bandwidth of < 5Hz to > 60kHz (-3dB), transformers in the iESL *far exceed* the requirements of even the JAS High-Res Logo.



### **Capacitive Battery Power Supply**

Charged up to the required voltage, with the charger circuit then turned off completely, the capacitor bank 'floats' at the required bias voltage. An essentially perfect bias voltage source with no electronic noise at any frequency. Listening is via battery (not mains) power.



### **Wima Capacitors**

These 1,000Volt rated capacitors have very high insulation resistance and minimal current leakage. Any leakage causes self-discharge. The whole capacitor pack has around 35,000,000 kiloOhm insulation resistance, which means that self-discharge time (to 30%) is around 100,000 seconds or 27 hours.



### **Vishay MELF resistors**

MELFs offer superior SMD resistor performance in terms of accuracy, stability, reliability, and pulse load capability. The cylindrical construction of MELF devices provides the optimal power rating and pulse load capability needed for the iESL.



### **Gold-plated silver contact relays**

The entire signal switching for the input selection utilises gold-plated silver contact miniature relays, filled with an inert gas. This makes sure the contacts will be as new for many years to come.



### **Sealed-silver alloy contact relays**

The speaker connections are switched using sealed silver alloy contact relays for minimum impact on the sound quality of the speaker path.

## About us



At iFi (pronounced 'eye-fi') we design and manufacture high-end audio equipment - DACs, headphone amplifiers, phono stages, pre-amps, all-in-ones and a range of signal and power accessories. The company launched at RMAF 2012 with 4 units, won an EISA for Best Product in 2014-15, and now we have over 30 multi-award winning products in our portfolio.

Today, we have a global presence spanning all the major markets. Our retailers range from B&H Photo (NYC) to Virgin Megastore (Dubai) to Yodobashi Camera (Tokyo).



For further information and product reviews, please go to [ifi-audio.com](http://ifi-audio.com)

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