

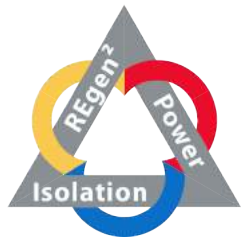
# *iGalvanic3.0*

The 'holy grail' of computer audio



## Introduction

The **iGalvanic3.0** is the one-stop USB audio enhancement solution for every computer audiophile. It offers the USB Trinity of:



Audiophile-grade galvanic isolation  
+  
REclock2/REgenerate2/REbalance2  
+  
Clean USB power supply\*.

\*Measured noise is 0.5uV(0.0000005V) @ 500mA load.  
Outclasses non-iFi USB devices. Bettered only by the micro iUSB3.0.

The **iGalvanic3.0** is a ground-up, dedicated, stand-alone solution that elevates just about every computer audio system.

It is for everyone who uses USB for computer audio as it:

- Breaks ground loops
- Avoids noise-coupling in applications that require hi-speed USB transfers
- Dramatically improves sonic performance
- And can be dialed into ANY computer audio system

The **iGalvanic3.0** is the perfect solution for computer audiophiles through to recording studios seeking maximum sound quality from their USB digital audio system.

The retail price of the **nano iGalvanic3.0** is **US\$349** (ex-tax) or **€399/£349** (incl VAT).

### In a nutshell...

It provides maximum sound quality for anyone using a USB digital audio system.

- Breaks ground loops
- Avoids noise coupling
- Improves sonic performance
- Works with ANY computer audio system



## Features



### **The holy grail of computer audio**

A world first! Advanced USB2.0 and USB3.0 galvanic isolation of the USB signal on an audiophile grade device.

REgen<sup>2</sup><sup>®</sup>  
REclock<sup>®</sup>  
REbalance<sup>®</sup>

### **Double REclock<sup>®</sup>/REgenerate<sup>®</sup>/REbalance<sup>®</sup>**

Unique REgenerate/REclock/Rebalance before and after galvanic isolation.



### **USB3.0 Superspeed @ 5.0Gbps**

With separate transmitting AND receiving lines, the **iGalvanic3.0** is superior to USB2.0 at handling high data volumes and is future proof.

Power  
**STATION**<sup>®</sup>  
Stealth  
Converter<sup>®</sup>

### **Stealth Converter**

A super low noise audiophile grade USB power with Panasonic OsCons



### **Groundlink – to suit different systems**

All computer audio systems are different. This is why the iGalvanic3.0 is dedicated for computer audio use and incorporates Groundlink. A flick of the switch optimises isolation in systems where there is no, one or multiple Grounds(Earths) which cause hum and/or buzz.

Zero  
Delay<sup>®</sup>

### **Zero Delay<sup>®</sup>**

A highly advanced isolation technology, without any added processing or timing uncertainties, delays etc.

## When the going gets tough...

...the tough get making!

The iGalvanic3.0 launch was delayed because we could not get our hands on one atypical but integral component - a High-Frequency Power 'HFP' Transformer.

Our German supplier could not produce them with the tolerances required and we could not find another transformer that met our exacting standards.

So, not to be beaten, we decided to make them ourselves!

And what a process! Machine winding is impossible.

The winding must be hand wound to a special configuration. With the whole transformer measuring only a tiny 10mm, this was no easy task.



However, the iFi team were undaunted and determined to produce a transformer that would work at the frequencies required for the Stealth Converter technology in the iGalvanic3.0.



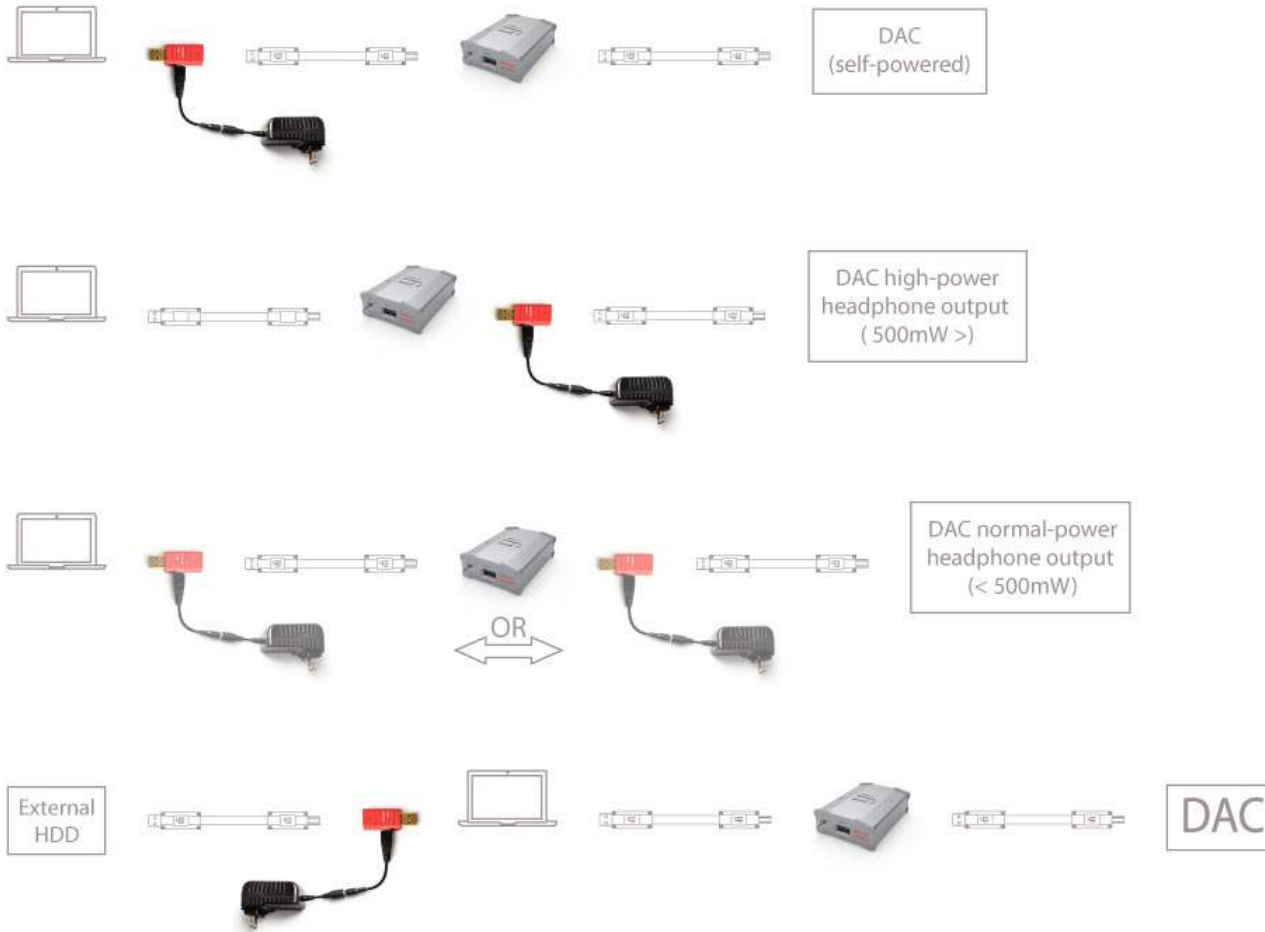
And finally, the AMR High-Frequency Power Transformer was born.

- Operating at high frequencies, it offers the best capacitance-to-noise ratio. Being 10x smaller, it filters 10x better.
- Its noise floor is second-to-none; negligible compared to regular-sized counterpart.

A true labour of love but totally worthwhile!

## Clean up and max out

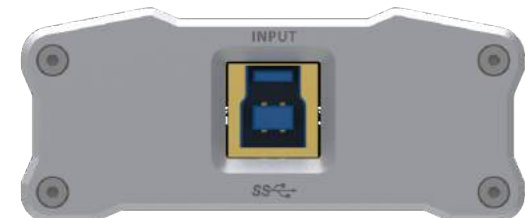
The **iGalvanic3.0** suits all computer systems and, for those wanting to optimize their system to the max, the iDefender and the iPower add that extra punch.



## Technical specifications

Output voltage:	5V $\pm$ 3% at 3mA load
Output current:	900mA (max)
Output noise floor:	0.5 $\mu$ V/(0.0000005V) @ 500mA load
USB standards:	USB3.0 Superspeed @ 5.0Gbps USB2.0 Highspeed @ 480Mbps USB2.0 Fullspeed @ 12Mbps USB2.0 Lowspeed @ 1.5Mbps USB3.0 Superspeed @ 5.0Gbps
Connector type:	USB3.0 B (Host side) USB3.0 A (Device side)
Input voltage:	DC 4.5V to 5.5V (USB bus power)
Power consumption:	< 6W (includes powered USB device)
Electrical safety standard:	BS7671:2008ELV
Isolation device max voltage:	3000 Vrms Isolation Voltage per UL1577
Dimensions:	93 (l) x 67 (w) x 28 (h) mm
Weight:	128g (0.28lbs)

Specifications subject to change without notice.



## 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).

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

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