

ifi



**Pro iCAN** *Signature*

**Tech Lowdown**

# Analogue Headphone Amplifier and Stereo Preamplifier

The Pro iCAN Signature is the upgraded addition of our reference-class Pro iCAN.

The Signature edition builds on the strengths of the original, multi-award winning Pro iCAN and features even more ultra-grade audiophile components designed to take your listening experience to a higher plane than ever before.

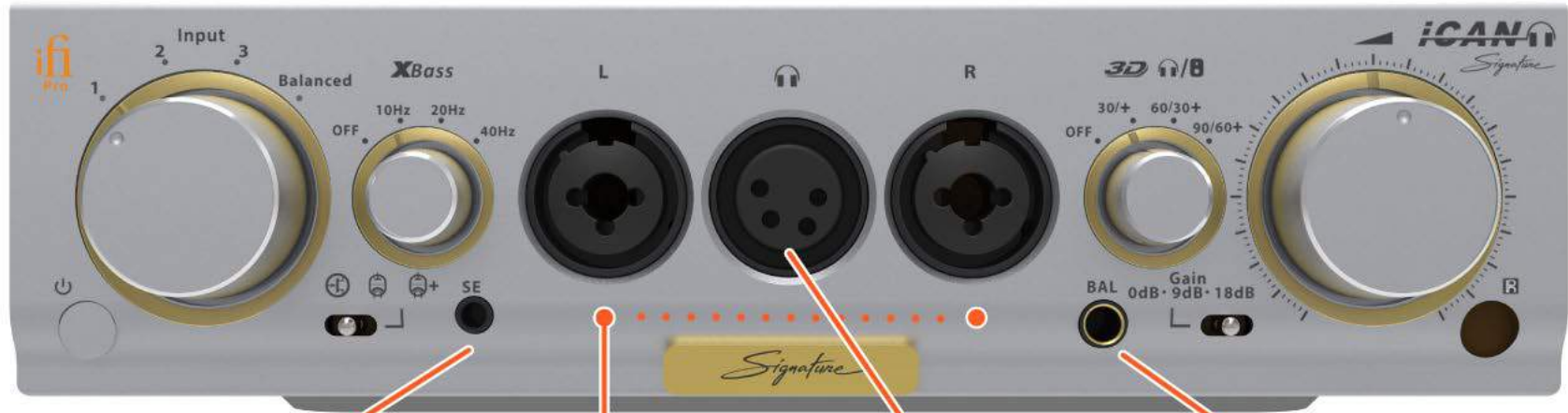


# Enhancements Included

- Revised circuit design incorporates even more ultra-grade audiophile components
- Upgraded power supply circuits to eradicate even more noise and distortion
- Top of the range iPower Elite offboard AC/DC power supply included
- 4.4mm Pentaconn balanced-headphone output
- New aluminium remote control



# Front Connections



**Headphones 3.5mm**  
Single-Ended with iEMatch



**Headphones XLR/6.3mm**  
XLR 3 Pin x 2 (Balanced)  
or 6.3mm TRS x 2 (Balanced  
or Single Ended Compatible)



**Headphones XLR**  
4-Pin Balanced



**Headphones 4.4mm**  
TRRS standard, Balanced

# Rear Connections



**XLR Input**  
Balanced



**RCA Input**  
(x3) Unbalanced



**XLR Output**  
Balanced



**RCA Output**  
Unbalanced



**Power**  
DC Loop-out



**Connect**  
iFi Pro iESL



**Power**  
DC 15V Input

# Power Personified

Exceptionally powerful - will drive any headphone on the planet.

- Balanced output power:  
>14,000mW
- Single ended output power:  
>4,800mW

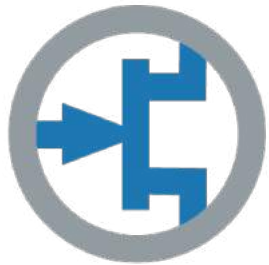
Variable gain – adjust to drive your headphone of choice

**14,000**  
mW



# Solid State | Tube | Tube+

User-selectable amplification modes, the liveliness of Solid-State and the luxurious sound of tubes. Available at the flick of a switch.



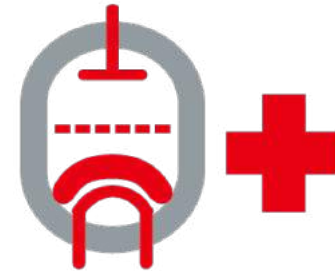
## Solid-State

A purely solid-state J-FET based circuit of fully-discrete Class-A topology



## Tube

The J-FET circuitry is switched to the valve Class A section based on two GE5670



## Tube+

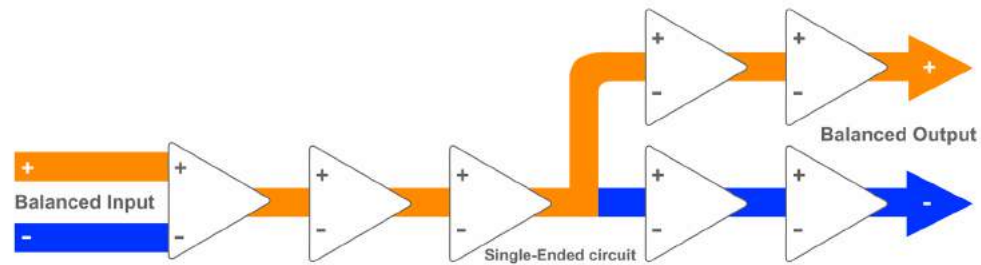
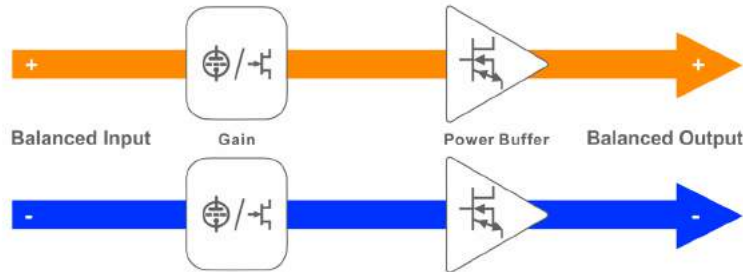
Minimal negative feedback to a minimum for maximum natural harmonic distortion (even order harmonics dominate)

# Fully Differential Balanced Circuit = Ultra Low Distortion

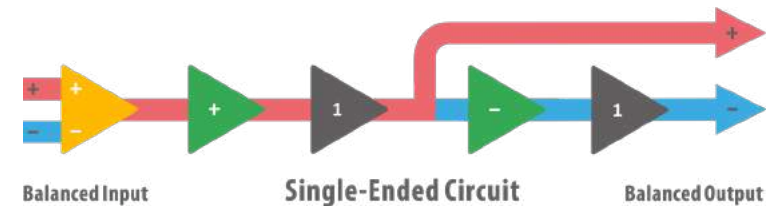
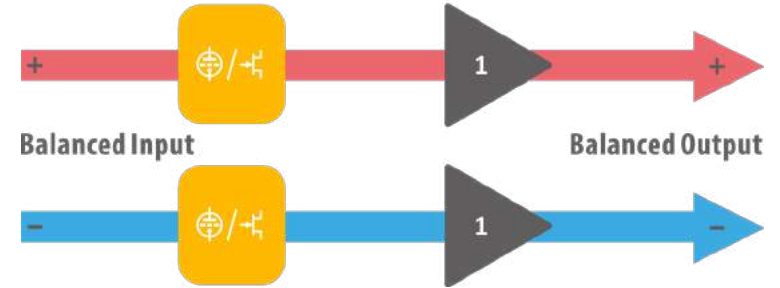
## Balanced(Differential) Circuit

IN: Balanced

OUT: Balanced



## Balanced(Differential) Circuit





# Sonic Tweaks To Suit You

***XBass***<sup>®</sup>

Analogue 'bass boost' for maximum enjoyment.

Enhances low frequencies without muddying the mid-range.



3D Holographic for Headphones – 'undoes' the negative sonic impact of listening to recordings that were created for loudspeakers.

3D Holographic for Loudspeaker Systems – corrects spatial distortion and restores the natural soundstage.

# PCB

**Panasonic**  
**OS-CON**

Excellent noise reduction capability and frequency characteristics



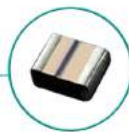
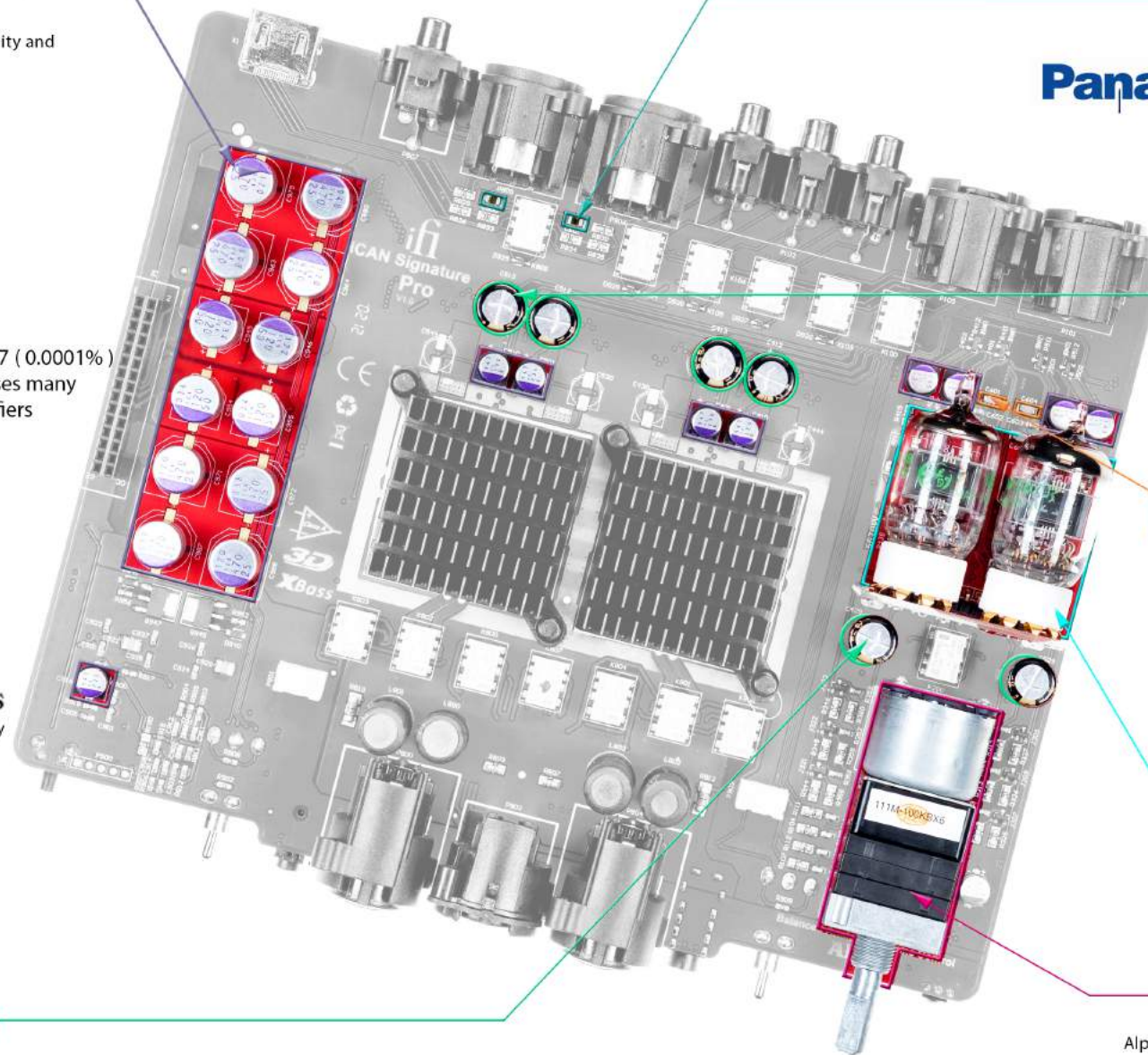
Low noise/distortion OV2627 (0.0001%)  
Performance equals/surpasses many high-end headphone amplifiers



Precision low-noise power supply

**ELNA**

Elna Silmic II capacitors



**Panasonic** **ECPU**

Panasonic film capacitors

**ELNA**

Elna Silmic II capacitors



**TDK**

COG capacitors used

For audio use with extremely low distortion



Hand selected NOS 5670 Tubes

Perfecting the Art of Electronics

**ALPS**

Alps 6-Track fully balanced motorised Volume control with servo system

# Specifications

Gain	0dB, 9dB and 18dB user-selectable		
Frequency Response	0.5Hz to 500kHz(-3dB)		
THD & N	Balanced	Solid-State	0.0015%
		Tube	0.002%
		Tube+	0.012%
	Single-Ended	Solid-State	0.005%
		Tube	0.005%
		Tube+	0.2%
SNR:	Balanced		>147dB(A)
	Single-Ended		> 137dB(A)
Output Power	Balanced		>14,000mW (@ 16)
	Single-Ended		>4,800mW (@ 16)

Output Voltage:	Balanced	>23V (@ 600)
	Single-Ended	>11.5v (@ 600)
Input voltage	DC 9V/6.7A – 18V/3.35A (Pro iDSD Signature)	
Input voltage	AC 85 – 265V, 50/60Hz (iPower Elite)	
Power consumption	< 22W idle, 50W max	
Dimensions	213 x 193 x 63 mm	
	6.2" x 3.9" x 1.4"	
Net weight	1.93 kg	
	4.3 lbs	

ifi  
audio