



Reference-Class DAC/Preamp, Network Streamer & Headphone Amplifier User Guide

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Reference-Class DAC/Preamp, Network Streamer & Headphone Amplifier



The Pro iDSD Signature is the new flagship reference-class DAC. The Signature edition builds on the strengths of

the original, multi-award winning Pro iDSD Even more ultra-grade audiophile components designed to take your listening experience to a higher plane than ever before.

- Sonically-darker background and more punchy bass
- Upgraded power-supply components to lower overall system noise 300%
- Precisely matched NOS GE5670s tubes
- Added support for USB1.0 (PS4/PS5)
- New Aluminum remote control
- Top-of-the-range iPower Elite power supply included

Cutting-Edge Playback

- Airplay network audio playback –iPhone, iPad or Mac
- DLNA network audio playback –smartphones, tablets, Windows/Linux computers
- Hard disc drive (HDD)
- USB memory stick
- SDHC memory card
- Streaming –Spotify, TIDAL, Napster, QQ Music and more

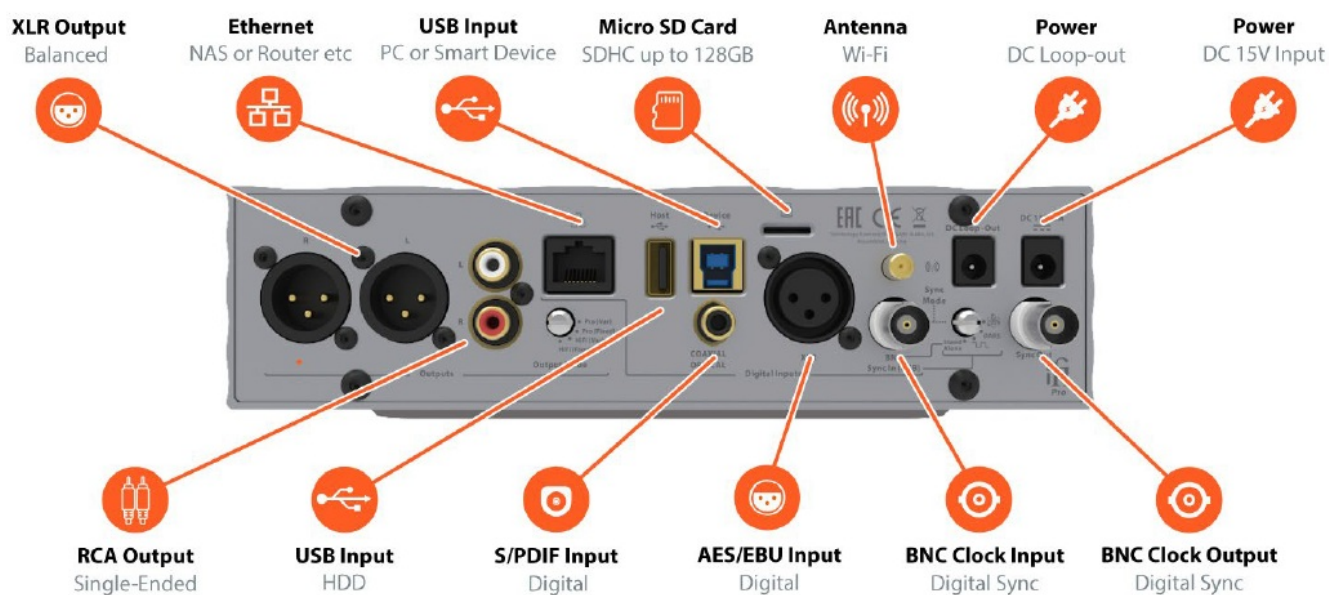
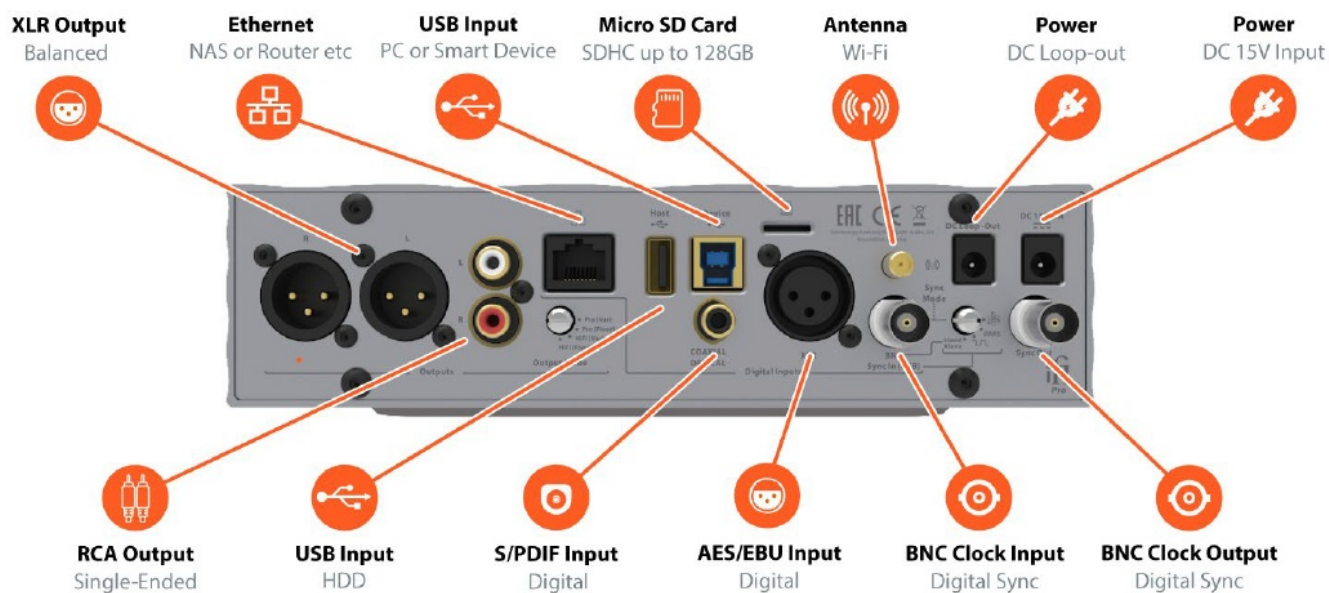


Front Connections



- Headphones 6.3mm Single-Ended
- Headphones 3.5mm S-Balanced
- Headphones 4.4mm Balanced

Rear Connections



Input Selector

Use the selector to cycle through the following input options:

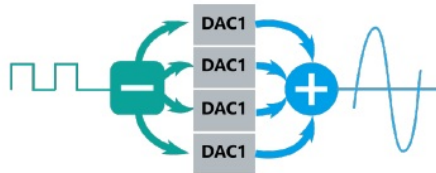
- Wi-Fi | Ethernet | Hard Disk | Micro SDHC
- Device USB (connect to a computer)
- XLR Digital Input
- BNC Digital Input

Also available via the input selector are:

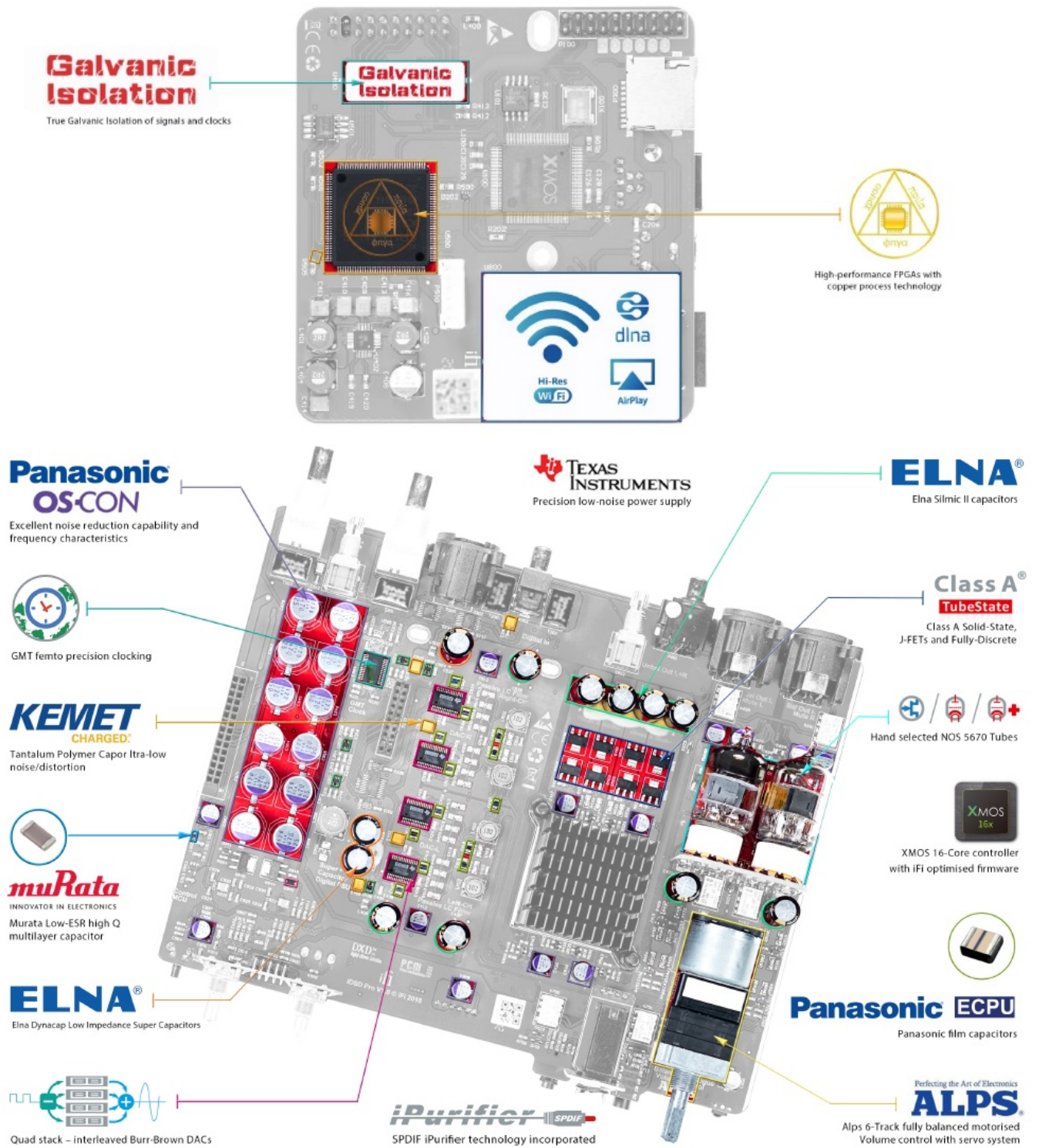
- Brightness (press to adjust)
- Polarity (hold to adjust)

Reference Class

- Quad-stack DAC —4 x DACs in interleaved configuration enables exceptional resolution
- Crysopeia FPGA Digital Engine delivers bespoke digital filtering and up-sampling
- Powerful XMOS XU216 X-Core 200-Series chipset processes incoming digital data
- Discrete, fully-balanced Class A amplifier stage with adjustable gain



PCB



Solid State | Tube | Tube+



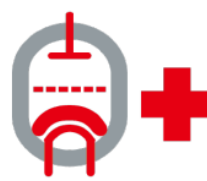
Solid –State

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+

Negative feedback to a minimum. Greater amount of the tubes' natural harmonics is produced (even order harmonics dominate).

Specifications

- Sample rates PCM 768kHz / DSD 49.152MHz (DSD 1024) / MQA 352.8KHz/DXD (2xDXD)
- Inputs USB / AES3 (XLR) / S/PDIF (coaxial/optical combo) BNC / Ethernet / Wi-Fi / Micro SD
- Filters Bit Perfect / Bit Perfect+ / Gibbs Transient Optimised / Apodising / Transient Aligned
- Gain (headphone section) User-selectable: 0dB, 9dB and 18dB
- Dynamic range 119dBA (solid-state, PCM, -60dBFS)
- Output power (16, balanced/single-ended): >4,200mW / >1,575mW
- Output voltage (600, balanced/single-ended): >11.7V / >5.9V
- Input voltage (Pro iDSD) DC 9V/6.7A –18V/3.35A
- Input voltage (iPower Elite): AC 85 –265V, 50/60Hz
- Power consumption < 22W idle, 50W max
- Dimensions 213 x 220 x 63 mm 8.4" x 8.7" x 2.5"
- Net weight 1980 g 4.37 lbs

Documents / Resources

	iFi Reference-Class DAC/Preamp, Network Streamer & Headphone Amplifier [pdf] User Guide Reference-Class DAC Preamp Network Streamer Headphone Amplifier
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