



LUMIN

THE AUDIOPHILE
NETWORK MUSIC FAMILY

Streaming specialists with a family
of products to suit every system

PIXEL MAGIC SYSTEMS LTD
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BUILDING 19W
HONG KONG SCIENCE PARK
SHATIN, NEW TERRITORIES
HONG KONG

WWW.LUMINMUSIC.COM

“perfectionist
hi-fi done right”
U2X: 6moons 2025

“ Vault-like construction has become a LUMIN trademark ”
P1 6moons 2022

“ One of the most exciting companies in the digital high-end sector points the way to the future of streaming. ”
Fidelity Magazine, 2022

“ beautifully styled, solidly built ”
P1 StereoNet 'Product of the Year' awards 2022

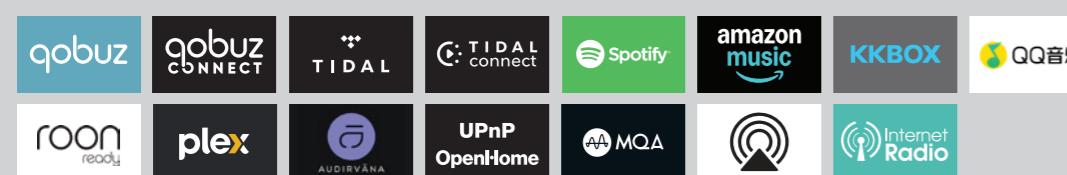


SILVER OR BLACK. YOU DECIDE

Every LUMIN model is available in a silver or black aluminium chassis. Whichever you choose, you will find crisp, clean lines, exquisite attention to detail, thick aluminium panels, and peerless CNC machining.

“ build quality that is second to none ”
U2 Steve Huff 2023

STREAM EVERYTHING



From DSD to MQA, FLAC to WAV and more, LUMIN can play all the high-resolution formats you could ever want.

Have a thirst for new music? No problem – LUMIN comes with native support for Roon, TIDAL, Qobuz, Amazon, Spotify, KKBox, Audirvana, Plex and TuneIn, and is AirPlay-compatible, giving you access to over 100 million songs.

ABOUT LUMIN

Late in 2012, after two years of development and hundreds of hours of critical listening, the World's first DSD-capable streamer was launched quietly with a single post on a web forum. Since then, news of LUMIN Audiophile Network Music Players has spread to all corners of the globe, with awards and reviews coming from the industry's most respected websites and magazines. Computer Audiophile described our first product as "*the network player by which all others should be judged*", and 6moons' Joël Chevassus described it as "*the most exciting audio experience I've yet had*".

In the 13 years since, the LUMIN range has expanded to include eight players covering a range of price points. All our products share the same focus on natural music-making, continuous software development, effortless setup, and a seamless, stable, and immersive streaming experience.

During our 13-year journey, we've been privileged to earn exceptional reviews and awards. Excerpts are included throughout this brochure, whilst full reviews can always be found on our website.

To help you better understand our diverse range, we've categorised our streamers into three groups:

OUR RANGE

NETWORK MUSIC PLAYERS

Including a DAC, these players have fully balanced dual-mono analogue output stages.

With clean signal paths and optimised DAC integration, these models offer the perfect disc player alternative.



NETWORK MUSIC HUBS

Our most versatile products, these players include a DAC, audio inputs, HDMI ARC support, and a Remote Control.

Use these models as streamers, DACs, pre-amplifiers, or all three!



NETWORK MUSIC TRANSPORTS

Without a DAC, our transports focus on pure digital.

With no included analogue components, this category is for those who already have a DAC they love or who want to have multiple digital sources using the same external DAC.



“ LUMIN devices are amongst the easiest to set up and configure in the industry. ”
StereoNet, 2022

ALWAYS ONE STEP AHEAD

LUMIN is always evolving. The full LUMIN range benefits from our **programme of continuous development**, allowing you to relax in the knowledge that wherever possible we'll bring you the latest streaming technologies.

Unlike many manufacturers, LUMIN have in-house expertise to cover the full software and hardware development process from top to bottom, resulting in lightning-fast implementation of new features.

The last 3 major releases have seen the introduction of Spotify Lossless, Amazon Music, Qobuz Connect, KKBox, QQMusic, Audirvana Certification, TIDAL Max high-res FLAC support, Plex server support, additional free FLAC Lossless Radio Stations, JPlay Certification, and much more – all absolutely free of charge for all users!

“ but above all, it's the addictive sound... that seals the deal ”

P1: Hi-Fi News 2022

MUSICAL PERFORMANCE

We dedicate a huge amount of effort into sourcing the highest-grade matching components, creating truly balanced circuits, developing custom filters, designing cases that shield from interference, and much more. However, what truly matters is that the final product faithfully conveys the artist's intentions.

Notably, a consistent theme in every published and consumer review of all LUMIN products is musicality.



TAKE CONTROL

All LUMIN control is achieved through the LUMIN App. We've created it in harmony with the LUMIN hardware to deliver the most intuitive and visually rich way to browse, select and play your music collection.

The recent transition from physical music to digital collections hasn't always retained everything we value in the tactile and stimulating process of music selection. At LUMIN, we know how precious music is; that the artwork and album structure are important parts of the browsing and selection process; and we know that filenames, codecs and data can sometimes get in the way.

“ a slick custom app that handles both control of music playback and configuration of hardware settings... it puts some other rival streaming apps to shame. ”

Hi-Fi News 'Outstanding Product' Award 2024

- iOS, Android, Apple Silicon & Chromebook
- Phones, tablets & more
- Separate optimised layouts for phones tablets and desktops
- Control every aspect of LUMIN operation
- Sync playlists with cloud
- Zoom artwork with high res image support
- Display of codec name, audio sample rate, audio bit rate, and data rate
- Artwork caching
- Five colour themes
- Playlist album grouping

NETWORK MUSIC PLAYERS



DUAL LUMIN DISCRETE DAC

This totally new custom DAC sits at the heart of a redesigned system, with circuit layout, power management, and clocking all tuned for maximum coherence, ensuring exceptional precision in network audio reproduction.

- Every calculation and filter tailored specifically for X2
- Dual Mono
- Controlled by dual Ultra-High-Speed FPGAs
- Full Discrete Architecture
- Full 32-bit operations
- DSD512 | PCM 768kHz

After years of dedicated in-house R&D, LUMIN X2 introduces our brand-new discrete DAC!

The introduction of a fully discrete DAC architecture marks a milestone in LUMIN's digital evolution.

By building the converter from individually selected components, every aspect of the digital-to-analogue process can be precisely optimised – from circuit topology and power delivery to clocking and signal integrity.

Tailored to our streaming engine, this cohesive and stable foundation sets the stage for the next chapter of our flagship design.

X2

- The latest LUMIN processing architecture delivers all the latest features
- Custom new dual LUMIN Discrete DAC
- All-new Output Buffer
- Native DSD512 & 32-bit PCM768 playback
- Femto Clock System with precision FPGA distribution
- Dual Mono dual stage Power Supply for analogue circuitry
- SFP socket providing Optical Network support and built-in Network Switch
- USB Digital Audio Output supports Native DSD512
- PCM & DSD upsampling up to DSD256



T3X

“ As if we were sitting at a concert rather than in front of speakers. And yet still in a certain Lumin manner, a manner that I like. **”**

High Fidelity, 2025

LUMIN T3X takes our award-winning platform and adds even more technology from our flagship players. Now featuring a toroidal linear power supply and optical fibre networking, the new T3X is better value than ever!

LUMIN T3X combines X1 technology, solid CNC-panel construction and the latest processing system to sit squarely in the performance sweet spot.

Among the key hardware features carried over from previous T-series players are the Dual ES9028PRO SABRE DACs featuring dual mono operation.

- Our all-new processing system provides increased capacity for future updates, and greater resampling flexibility
- Dual ES9028PRO SABRE DAC featuring dual-mono operation
- New integrated toroidal linear power supply
- Fibre Network provides complete isolation from network digital noise
- Dual-Network interface with built-in Network Switch
- Dual USB ports for additional flexibility and digital audio output
- Native DSD512 & PCM384 playback
- Analogue buffer includes LUMIN X1 technology



D3

“ near-impossible to beat at or near its price. **”**

StereoNet Product of the Year Awards 2024

LUMIN D3 brings the audiophile potential of music streaming within everyone's reach.

Building on the success of our most popular and longest-standing model, LUMIN D3 inherits the Sabre DAC technology used throughout the rest of our range and combines it with our new all-aluminium compact chassis.

The latest LUMIN processor technology provides DSD256 upsampling and TIDAL Connect, bringing audiophile-grade performance within your reach.

- New all-aluminium compact chassis
- Latest processor provides greater resampling flexibility
- New analogue output stage features Sabre DAC and a buffer including LUMIN X1 technology
- New DAC configuration featuring Sabre DAC ES9028PRO
- Retains fully balanced design including XLR outputs
- Upsampling and downsampling to every supported format up to DSD256/PCM384
- TIDAL Connect and Airplay 2 compatible, as well as Roon Ready, Spotify Connect, MQA, TIDAL, Qobuz, Plex and Tuneln

NETWORK MUSIC TRANSPORTS



“ The Lumin U2x is an astoundingly good streamer. It has a beguilingly fluid sound that draws you in and keeps you hooked with its natural and realistic reproduction of music. ”

U2X: StereoNet 2025

U2X

Equalling X1 in both status and build-quality, LUMIN U2X is a completely new flagship streaming transport designed to be the ultimate in digital output.

LUMIN U2X and its separate power supply use the indestructible single-billet CNC chassis construction methods from LUMIN X1 and focusses on transport-specific innovations like a newly developed isolated circuit architecture for the increasingly common USB digital output.

Also completely new for U2X are our most advanced clocking circuits to date which include new word clock input and output connections.

- Solid billet CNC chassis for maximum stiffness and isolation
- External power supply featuring solid billet CNC construction and dual toroids and low-noise linear regulator
- Native DSD512 & PCM768 playback
- Transport-specific new clocking architecture
- 10M Word Clock input and outputs
- New isolated USB audio output
- Fibre Network provides complete isolation from network digital noise
- Dual-Network interface with built-in Network Switch



“ Silky, sweet, smooth, detailed, three dimensional, emotional and beautiful are just some of the words that describe this piece. ”

Steve Huff 2023

The next generation streaming transport.

After the huge success of our sweetspot price/performance LUMIN T3, U2 brings the same design philosophy to a LUMIN transport for the first time.

Taking chassis construction methods and finish, toroidal linear power supply design and dual network from the multi-award-winning LUMIN P1, the all-new LUMIN U2 brings high-end digital right into the heart of the LUMIN range.

- First LUMIN Transport to use our new cnc-panel chassis
- First LUMIN Transport with a built-in linear power supply
- The latest processing system provides increased capacity for future updates, and greater resampling flexibility
- New integrated toroidal linear power supply
- 3x USB including a NEW low-noise direct-coupled USB output
- Dual network interface with built-in network switch and fibre SFP port to provide complete isolation from network digital noise
- DSD512 and PCM768 playback
- 4 exceptionally low-phase-noise crystal clock oscillators



“ LUMIN U2 Mini has a great chance to capture the hearts of the vast majority of the population ”

Soundrebel 2022

The product that first launched our all-new processing system, LUMIN U2 Mini takes all of our latest software features and packs them into a new all-aluminium compact chassis.

Capable of upsampling and downsampling all the way from 44.1kHz to 384kHz/DSD256 and supporting playback of DSD512, LUMIN U2 MINI is the perfect streaming partner for your DAC.

- Transport-only LUMIN for combination with an external DAC
- New all-aluminium compact chassis
- The latest processing system providing increased capacity for future updates, and greater resampling flexibility
- Upsampling and downsampling to every supported format up to DSD256/PCM384 to hit your DAC's sweetspot
- 5 types of digital audio output including USB
- Quad native clock system for precision timing

NETWORK MUSIC HUBS



“ LUMIN remains my clear recommendation for the contemporary music player/streamer/DAC regardless of the price tag. ”

Mono & Stereo 'Upper Echelon' Award 2022

P1

With 9 digital and analogue inputs and HDMI switching and passthrough, LUMIN P1 becomes your new audio hub.

Second only to LUMIN X1 in pure streaming ability, LUMIN P1 is our most flexible player yet, designed to sit right in the heart of your audio system.

Use as a streamer, a DAC, a pre-amplifier, or all three! LUMIN P1 includes the lossless Leedh Processing volume attenuation and an Austria-made acrylic and zinc LUMIN remote control.

- 9 digital & analogue inputs
- USB digital audio input & output support up to native DSD512
- Balanced & unbalanced analogue inputs
- SPDIF & AES input support up to 192/24 & DoP
- HDMI 2.0 inputs & 4K passthrough with ARC support
- Dual mono design throughout maximises channel separation
- Dual ES9028PRO SABRE DACs in mono mode
- Femto clock system with precision FPGA distribution
- New integrated dual-toroidal linear power supply
- Fibre network for complete isolation from network digital noise
- Leedh Processing lossless volume control

P1
MINI

“ joyful playing, without bloat or pretence. It's a perfectly balanced and thoughtful sound. ”

High Fidelity 'Red Fingerprint' Award 2024

Our newest release, P1 Mini builds on the success of the multi-award-winning LUMIN P1 by bringing as much of the componentry and flexibility as possible into a chassis based on our massively popular D3 and U2 Mini all-aluminium designs.

Just like its bigger brother, P1 Mini is designed to be used as a streamer, a DAC, a pre-amplifier, or all three!

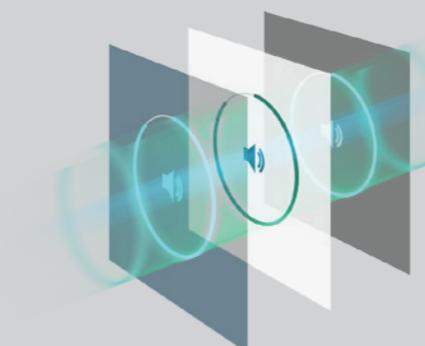
P1 Mini also includes front panel controls, providing input switching and volume adjustment without needing to open the app.



- Five inputs including USB, HDMI, SPDIF and analogue
- HDMI 2.0 input & 4K passthrough with ARC support
- Dual DAC ES9028PRO
- DSD512 & PCM384
- Femto clock system with precision FPGA distribution
- New internal toroidal linear power supply
- Dual network with optical fibre network support
- Leedh Processing lossless volume control
- Included infrared remote control

WHAT IS LEEDH PROCESSING?

LEEDH
processing



“ as soon as you trigger Leedh, you understand to what extent all usual pre-amplifiers add their own colorations ”

Joël Chevassus, 6moons

“ there is evidently a small but measurable improvement in distortion ”

T3 Lab Test. Hi-Fi News 2023

Available for free on the whole LUMIN range! Leedh Processing is an innovative new digital volume adjustment algorithm that eliminates rounding errors and modifies the digital signal amplitude exactly, without any changes to its shape and free from any kind of information loss.

The low processing power requirements free up CPU resources and has removed the need for a pre-amplifier in many systems.

Leedh Processing is an innovation of Gilles Milot of Acoustical Beauty and is used under licence.

HARDWARE FAMILY



AMP

CLASS AB POWER AMPLIFIER

Looking for the perfect partner for your LUMIN Music Streamer? Look no further. Engineered to let your LUMIN sing!

Taking advantage of the incredible Leedh Processing volume control in your LUMIN Streamer, LUMIN Amp features everything you need and nothing you don't, focussing purely on performance.

If your LUMIN streamer sounded like a breath of fresh air, prepare to take it to the next level.

- 160W into 8Ω, 320W into 4Ω
- Solid Billet CNC aluminium chassis construction
- Dual mono power supply and amplifier design
- Fully discrete voltage and current gain stages
- DC-coupled signal path
- High input impedance and sensitivity for direct DAC drive
- Intelligent bias and thermal management
- Stereo / dual mono / bridged operation
- 600VA custom toroidal transformer
- Built-in overload, overheat and DC protection



L2

MUSIC LIBRARY & NETWORK SWITCH

The perfect partner for LUMIN owners who wish to store their own music collection.

The effortless operation of LUMIN L2 belies its advanced features and unrivalled flexibility.

With a 4-port audiophile-grade network switch on board, its two optical fibre SFP ports and two RJ45 copper ports L2 can streamline and enhance your network.

- Available without drives or with 4TB or 8TB capacity
- Zero configuration required
- Automatically serves all added music
- Fibre network for complete isolation from network digital noise
- 4-port Gigabit switch simplifies cabling and makes fibre easy
- UPnP (OpenHome) compatible
- USB 3.0 Micro type B for connection to computer
- SMB support for transferring over the network
- Thick-panelled CNC aluminium construction

“ I recommend the LUMIN L2 for every audiophile who values doing business with a great company... and of course sound quality commensurate with incredibly revealing audio components. The LUMIN L2 easily makes the CASH List. **”**

Audiophile Style 'CASH' Award 2024

	NETWORK MUSIC PLAYERS			NETWORK MUSIC HUBS		NETWORK MUSIC TRANSPORTS		
	X2	T3X	D3	P1	P1 MINI	U2x	U2	U2 MINI
PCM PLAYBACK	768kHz	384kHz	384kHz	384kHz	384kHz	768kHz	768kHz	768kHz
DSD PLAYBACK	512	512	256	512	512	512	512	512
DAC	2x LUMIN Discrete	2x ES9028PRO	ES9028PRO	2x ES9028PRO	2x ES9028PRO	-	-	-
AUDIO INPUTS	-	-	-	9	5	-	-	-
INFRARED REMOTE CONTROL	Optional	Optional	Optional	✓	✓	Optional	Optional	Optional
POWER SUPPLY	External CNC Dual-Toroidal LPS	Internal Toroidal LPS	Internal Low-Noise SPS	Internal Dual-Toroidal LPS	Internal Toroidal LPS	External CNC Dual-Toroidal LPS	Internal Toroidal LPS	Internal Low-Noise SPS
CLOCK	2x FEMTO	2x FEMTO	2x Ultra Precision	2x FEMTO	2x FEMTO	4x Ultra Precision	4x Ultra Precision	4x Ultra Precision
CLOCK INPUT AND OUTPUTS	-	-	-	-	-	10M Input 2x 10M Outputs	-	-
ANALOGUE COUPLING	Lundahl Output Transformers	Audio Grade Capacitors	Audio Grade Capacitors	Lundahl Output Transformers	Audio Grade Capacitors	-	-	-
CHASSIS	Single Billet CNC	CNC Panels	Precision Aluminium	CNC Panels	Precision Aluminium	Single Billet CNC	CNC Panels	Precision Aluminium
USB DIGITAL OUTPUT	✓	✓	-	✓	✓	✓	✓	✓
ISOLATED OR DIRECT-COUPLED USB	-	-	-	-	-	Isolated	Direct-coupled	-
FIBRE NETWORK	✓	✓	-	✓	✓	✓	✓	-

Maximum available digital output sample rate depends on output port and DAC compatibility.
USB output and compatible Linux-based DAC may be needed to achieve quoted figures.

“ The support behind the LUMIN is also as stellar as the unit itself ”
The Absolute Sound, 2022

NEED MORE INFORMATION?

The latest specification for all our products, detailed owner's manuals, full magazine reviews and more can be found on our website:



ARRANGE A DEMONSTRATION TODAY!

Now sold in hundreds of dealers spread across 46 countries, listening and comparing LUMIN products has never been easier.

Our network of specially selected and trained dealers is available to guide you through our product range and help find exactly the right LUMIN for you.

Find your nearest dealer on our website and arrange your demonstration today:

