

X2

A PRECISION ENGINEERED
NEW CORE



NEW LUMIN
DISCRETE DAC

SOLID BILLET
CNC CHASSIS

EXTERNAL PSU
DUAL-TOROIDAL

LATEST
PROCESSOR

DSD512
PCM768

FIBRE
NETWORK

LUMIN

X2

LUMIN

FLAGSHIP LUMIN PLAYER
FEATURING OUR BRAND NEW
IN-HOUSE DISCRETE DAC

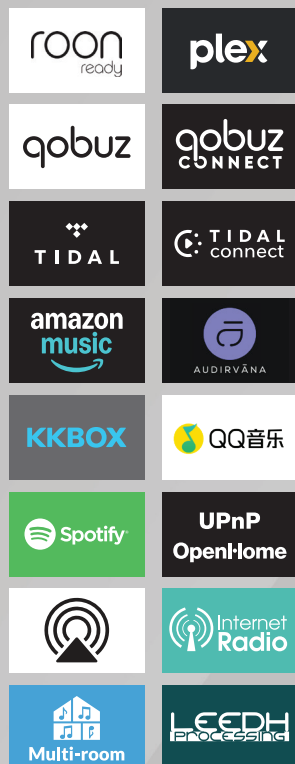
CIRCUIT LAYOUT, POWER
MANAGEMENT AND SYSTEM
CLOCKING HAVE ALL BEEN
OPTIMISED AROUND THIS
NEW DAC, PROVIDING A TRULY
COHESIVE PLATFORM FOR
NETWORK AUDIO PLAYBACK

SOLID BILLET CNC CHASSIS
AND EXTERNAL
DUAL-TOROIDAL POWER
SUPPLY FOR MAXIMUM
STIFFNESS AND ISOLATION

LUNDAHL OUTPUT
TRANSFORMERS

DSD512 & PCM768 PLAYBACK

FIBRE NETWORK INCLUDING
DUAL-NETWORK BUILT-IN
NETWORK SWITCH



STREAMING PROTOCOL:

UPnP AV protocol with audio streaming extension (OpenHome). Roon Ready, Plex. Plays with Audirvana. Spotify Connect. TIDAL Connect. Qobuz. FLAC Lossless Radio. TuneIn Radio. AirPlay 2. QPlay-compatible for QQMusic. Gapless Playback. On-Device Playlist. Multi-Room (Songcast)

APP FEATURES:

Native support for TIDAL, MQA, Qobuz, Amazon Music, KKBox and TuneIn Radio. Tidal MQA icons to identify high-res music. Qobuz high-res icons to identify high-res music. Volume control. High-resolution artwork. Artwork caching. Search. Multiple tag handling. Composer tag support. Album-grouping in playlist. Automatic internet links to artists/album/songs. Saving and restoring of playlists (including Tidal and Qobuz)

SUPPORTED CONTROL DEVICES:

Apple devices. iOS 11.0 or later
Android devices. Android 4.0 (Ice Cream Sandwich) or later required

INPUT:

Industry-standard SFP (adapter may be needed for your particular switch/cables)
Gigabit Ethernet Network (1000BASE-T) RJ45
Use SFP/RJ45 simultaneously (e.g. connect one to router and one to LUMIN L1/L2 or NAS)
USB storage, flash drive, USB hard disk (Single-partition FAT32, exFAT and NTFS only)

SUPPORTED AUDIO FILE FORMATS:

DSD : DSF (DSD), DFF (DSD), DoP (DSD)
PCM: FLAC, Apple Lossless (ALAC), WAV, AIFF
OTHER: MP3, AAC (in M4A container), MQA

SUPPORTED SAMPLE RATES & BIT DEPTHS:

PCM, 44.1–768kHz, 16–32-bit, Stereo
DSD512, 22.6MHz, 1-bit, Stereo

UPSAMPLING RATES & BIT DEPTHS:

Upsampling and downsampling to every supported format up to DSD256/PCM384

ANALOG AUDIO OUTPUT:

LUMIN Discrete DAC
Fully balanced dual-mono layout
Output connectors coupled with dual LUNDAHL LL7401 output transformers
Femto Clock System with precision FPGA distribution

DIGITAL AUDIO OUTPUT:

USB:
Native DSD512 support
PCM 44.1–768kHz, 16–32-bit
Coaxial BNC SPDIF:
PCM 44.1–192kHz, 16–24-bit
DSD (DoP, DSD over PCM) 2.8MHz, 1-bit

FINISH:

Silver or Black anodised aluminium

POWER SUPPLY:

External solid billet cnc dual-toroidal
Separate digital & analogue circuitry
Low-noise linear regulator
9-pin Output Connector
Available in 220–240V AC and 110–120V AC versions ~ 50/60Hz

OTHER:

Leedh Processing lossless digital volume control
IsoAcoustics isolating feet on main chassis
MQA QRONO d2a filters available for all PCM music (excluding via AirPlay)
Compatible with LUMIN Infrared Control Package
Programme of Continuous Development – Firmware-upgradable for further features and enhancements

LUMIN: 350mm (W), 345mm (D),
77mm (H), 8kg

PSU: 106mm (W), 334mm (D),
77mm (H), 4kg

See website for latest software
and app specification

WWW.LUMINMUSIC.COM