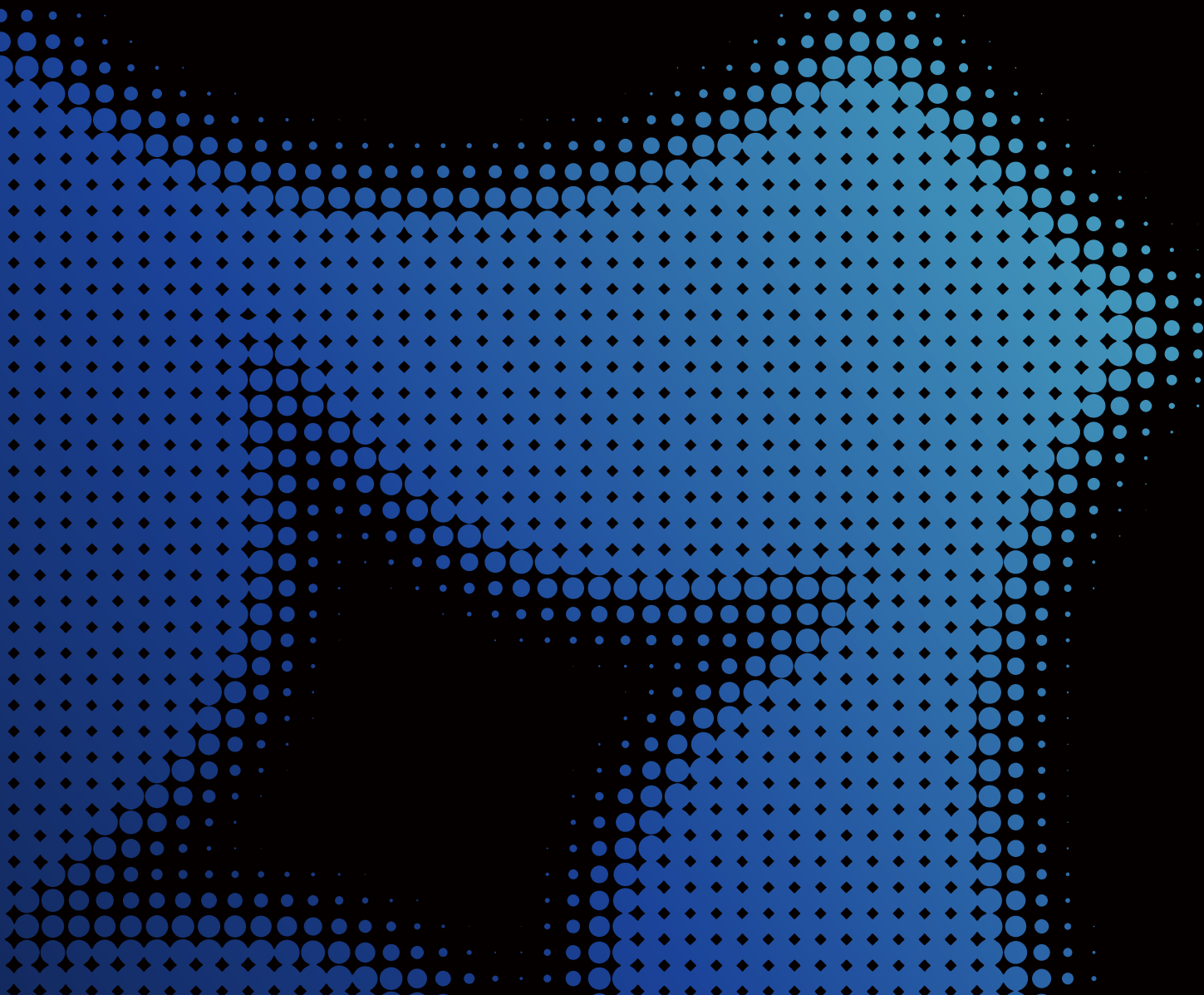


Feel The Truth

High-End Audio and Video



Advanced Image /Audio Processing Technology

UDP800 MKII is powered by a quad-core MediaTek MT8581 processor, 12Gb Samsung DDR memory and 4Gb NAND flash, ensuring smooth operation. It adopts a 6-layer PCB design, while using high-precision LDO regulators, Murata MLCC capacitors and NCC electrolytic capacitors. High-quality copper-core wires are used throughout the device. The in-machine PCB connectors have been upgraded to JST and Amphenol, enhancing the stability and reliability of the connections.

UDP800 MKII

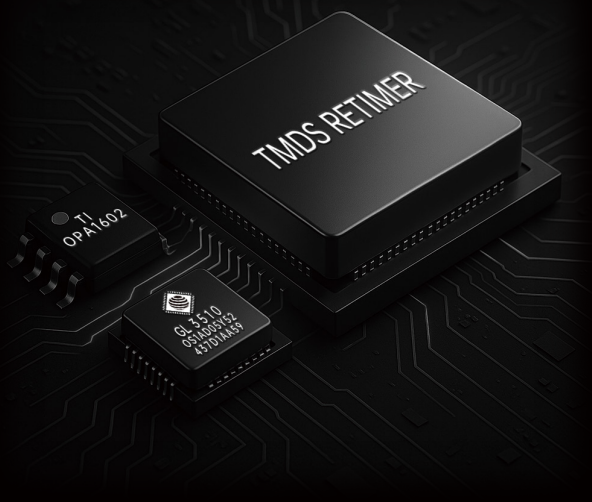
MAGNETAR 4K UHD
Reference Blu-ray Player



Stunning Audio - Visual Quality

UDP800 MKII supports Dolby Vision and HDR 10+, presenting breathtakingly vivid and realistic UHD movies. Regarding audio, it supports Dolby Atmos and DTS-X. With a dedicated HDMI audio output to achieve audio and video separation. For pure audio playback, UDP800 MKII specifically adopts a 4-layer PCB with independent channel wiring, equipped with two Burr-Brown PCM1795 DACs and seven OPA1602s, creating audiophile-grade sound.

The added TMDS retiming function on the main board's HDMI AUDIO port effectively compensates for random jitter, provides better signal quality and load-carrying capacity, and further improves the HDMI audio quality, making the sound details richer.

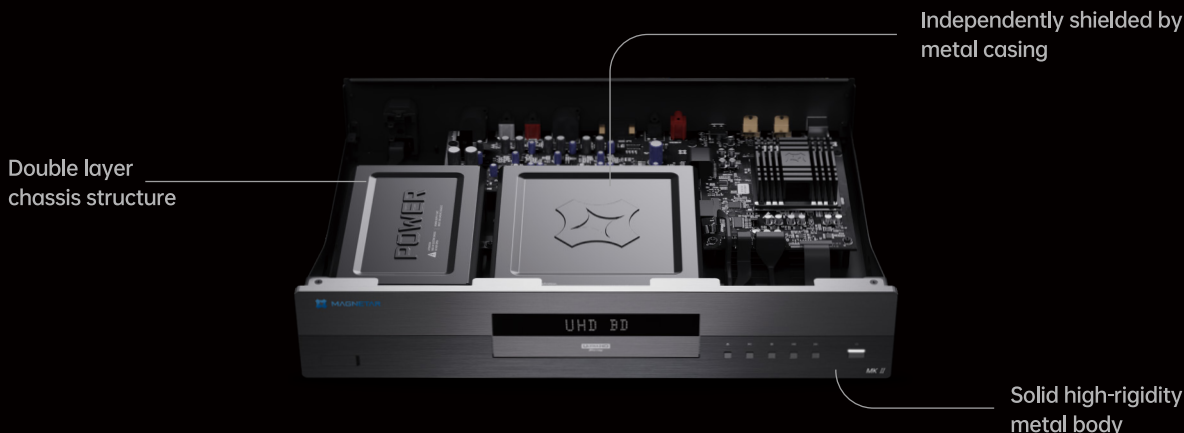


UDP800 MKII

MAGNETAR 4K UHD
Reference Blu-ray Player

Featuring a high-rigidity metal body and double-layer chassis, the UDP800 MKII has its internal components shielded by metal casings. This effectively reduces interference from vibration, noise and external magnetic fields, delivering pure and high-resolution audio-visual performance.

Solid and Stable Build



Versatile Compatibility

UDP800 MKII is fully compatible with a wide range of disc formats, including 4K UHD BD, BD, BD-R, BD-RE, DVD-R/RW, DVD+R/RW, DVD-Video, DVD-Audio, AVCHD, SACD, CD, CD-R/RW.

Its optimized USB 3.0 port, which has an added HUB chip and a redesigned power supply, better adapt to various devices, supporting up to 16TB hard drive. UDP800 MKII can also share media files in various formats via DLNA, SMB and NFS.



Reliable Power Source

UDP800 MKII is equipped with a custom 60W high-power low-noise transformer with a two-stage filter and Japanese Rubycon electrolytic capacitors. A separate metal case dampens noise providing stability and quietness, further enhancing its overall performance.

Technical Features

UDP800 MKII

MAGNETAR 4K UHD
Reference Blu-ray Player



Technical Features:

Supported Disc types:

UHD Blu-ray, Blu-ray, Blu-ray 3D, DVD-Video, DVD-Audio, AVCHD, SACD, CD, Kodak Picture CD, CD- R/RW, DVD±R/RW, DVD±R DL, BD-R/RE

Analog Audio Characteristics:

Frequency Range: 20Hz-20kHz (± 0.05 dB)

Signal-to-noise Ratio: ≥ 120 dB

Total Harmonic Distortion Plus Noise: $\leq 0.01\%$

Output Level: (RCA) 2.1 ± 0.2 Vrms; (XLR) 4.2 ± 0.4 Vrms

Dynamic Range: ≥ 120 dB

Channel Separation: > 100 dB (RCA); > 120 dB (XLR)

Output:

Analog Audio Output: 2-channel RCA and Balanced XLR

Digital Audio Output: Optical, Coaxial, HDMI

HDMI Audio Output: Support up to 7.1 channel 192kHz PCM, 5.1 Channel DSD

HDMI Video Output: UHD 23.976/25/30/50/59.94/60Hz, 1080i/P, 720P, 576i/P, 480i/P, source direct

General Specification:

Power Supply: AC 100-240V ~, 50/60Hz

Power Consumption: < 30 W, Standby < 0.5 W

Operating Temperature: $5^{\circ}\text{C} \sim 35^{\circ}\text{C}$ ($41^{\circ}\text{F} \sim 95^{\circ}\text{F}$)

Operating Humidity: 15% ~ 75%

Unit Dimensions: 430 x 300 x 90 mm

Unit Weight: 6.8kg

Unit Packing Dimensions: 516 x 391 x 203mm

Unit Packing GW: 9.6kg

Advanced Image /Audio Processing Technology

UDP900 MKII features a 6-layer gold-immersion main PCB with JST and Amphenol connectors, ensuring stable connections. It integrates high-precision TCXO oscillator and LDO power-supply processing. Along with Murata capacitors, TDK magnetic devices and NCC electrolytic capacitors, the UDP900 MKII significantly improves audio and video quality.

The 4-layer audio boards with independent wiring and high-quality capacitors guarantee excellent sound. Along with an independent linear power supply module. Hi-Fi XLR balanced terminals and gold-plated RCA outputs contribute to a superior Audiophile sound quality.

UDP900 MKII

MAGNETAR 4K UHD High-End Flagship
Blu-ray Player UDP900 MKII



Exceptional Audio - Visual Experience

UDP900 MKII supports Dolby Vision and HDR 10+, offering top-notch high-dynamic-range visuals. The ESS9038PRO D/A decoder offers stereo and multi-channel outputs. With XMOS USB Audio input capable of handling PCM768 and DSD512, UDP900 MKII offers premium audio output. The TMD5 retiming function on the HDMI AUDIO port also refines audio quality.



UDP900 MKII

MAGNETAR 4K UHD High-End Flagship
Blu-ray Player UDP900 MKII

UDP900 MKII has an all-aluminum-alloy body and a double-layer chassis. Its internal components are individually shielded by metal casings, which effectively block vibration, noise and external magnetic fields. This ensures pure and clear audio-visual output.

Solid and Stable Build

Double layer chassis structure

Independently shielded by metal casing



Solid high-rigidity metal body

Versatile Compatibility

UDP900 MKII is compatible with almost all disc formats. Its optimized USB 3.0 port better adapt to various devices. And enhanced optical drive structure improved the stability of disc reading. UDP900 MKII can seamlessly share media files in various formats via DLNA, SMB and NFS.

Dolby
VISION

Dolby
ATMOS

DTS-HD
Master Audio

HDR 10+

Hi-Res
AUDIO

ESS
ESS9038PRO D/A

4K UHD BD

Blu-ray Disc

DVD

SUPER AUDIO CD

CD-R

USB

SMB

NFS

DLNA
CERTIFIED

FLAC

APE
Audio Lossless

DSD
Direct Stream Digital

Dual-Power-Supply Advantage

UDP900 MKII is equipped with a high-power switching power supply for the digital main board, which meets high-transient-response requirements. A 60W low-noise transformer with a two-stage filter powers the surround sound and high-resolution audio. Additionally, a 60W toroidal transformer for analog audio reduces noise and heat, maximizing audio quality.

Technical Features

UDP900 MKII

MAGNETAR 4K UHD High-End Flagship
Blu-ray Player UDP900 MKII



Supported Disc Types:

UHD Blu-ray, Blu-ray, Blu-ray 3D, DVD-Video, DVD-Audio, AVCHD, SACD, CD, Kodak Picture CD, CD- R/RW, DVD±R/RW, DVD±R DL, BD-R/RE

Output:

Analog Audio Output: 7.1 Channel RCA, 2-channel RCA and Balanced XLR

Digital Audio Output: Optical, Coaxial, HDMI

HDMI Audio Output: Support up to 7.1 Channel 192kHz PCM, 5.1 Channel DSD

HDMI Video Output: UHD 23.976/25/30/50/59.94/60Hz, 1080 I/P, 720P, 576I/P, 480I/P, source direct

Analog Audio Characteristics:

Frequency Range: HI-FI 2 channel: 20Hz-50kHz(± 0.01 dB); multichannel: 20Hz-50kHz (± 0.01 dB)

Signal-to-noise Ratio: ≥ 120 dB (2CH RCA); ≥ 130 dB (2CH XLR)

Total Harmonic Distortion Plus Noise: $\leq 0.0005\%$

Output Level: ≤ 3 Vrms(RCA); ≤ 6 Vrms(XLR)

Dynamic Range: ≥ 120 dB (2CH RCA); ≥ 130 dB (2CH XLR)

Channel Separation: ≥ 110 dB (2CH RCA); ≥ 130 dB (2CH XLR)

General Specifications:

Power Supply: AC 110-120V $\sim 50/60$ Hz / AC 220-240V $\sim 50/60$ Hz

Power Consumption: < 40 W, Standby < 0.5 W

Operating Temperature: $5^{\circ}\text{C} \sim 35^{\circ}\text{C}$ ($41^{\circ}\text{F} \sim 95^{\circ}\text{F}$)

Operating Humidity: 15% $\sim$ 75%

Unit Dimensions: 445 x 321 x 133 mm

Unit Weight: 15.4kg

Unit Packing Dimensions: 550 x 470 x 265mm

Unit Packing GW: 18.9kg



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