



UDP900

MK II

Product Specification



UDP900MKII Upgrades from Gen One

- Fully Redesigned Audio utilizing dual ESS9038PRO DACs
 - TMDs retiming on HDMI 2 audio port
- Optimized USB 3.0 hub with redesigned power supply
 - XMOS now supports PCM768/DSD512
- Redesigned optical drive for reduced noise
- Proprietary Magnetar Next Gen Intelligent Video Image Processing
 - Improved networking via DLNA, NFS, SMB



 **MAGNETAR**

UDP900

MK II

Reference Level Universal Disc/Media Player

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 and supply module. Hi-Fi XLR balanced terminals and gold-plated RCA outputs contribute to a superior Audiophile sound quality.

Exceptional Audio-Visual Experience

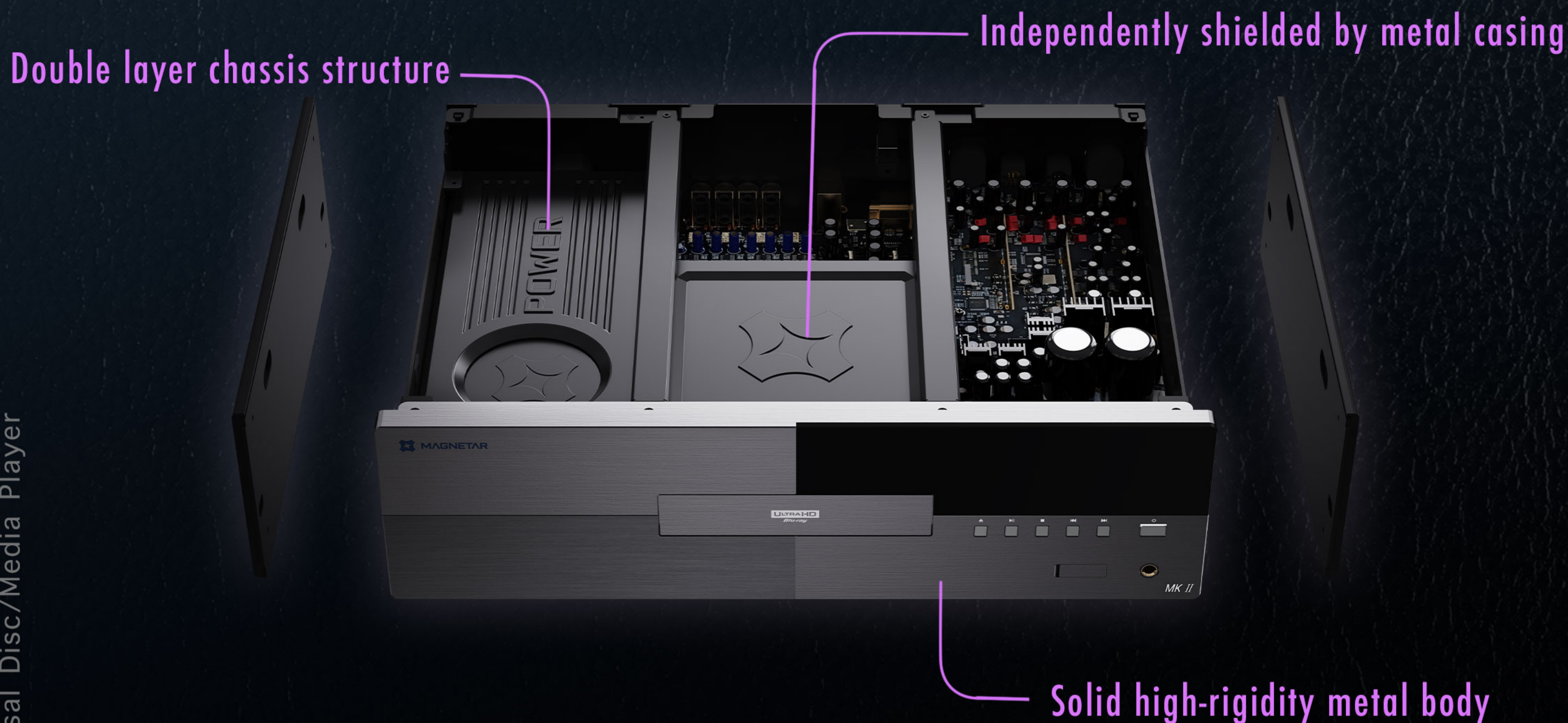
UDP900 MKII supports Dolby Vision and HDR 10+, offering top-notch high-dynamic-range visuals. The ESS9038PRO D/A decoder offers stereo and multi-channel outputs. With XMOS USB Audio input capable of handling PCM768 and DSD512, UDP900 MKII offers premium audio output. The TMDS retiming function on the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



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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



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.



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 | Reference Level Universal Disc/Media Player



Supported Media Types

- 4K 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
- M2TS, MP4, MKV, MOV, AVI, TP, TRP, TS, 3GP, ASF, OMG, WMV
- H264/AVC, H265/HEVC, MPEG-1/2/4, VC-1, VP-8, VP-9, FLAC, M4A, MP3, OGG, AIF/AIFF, APE, DSF, AAC, ALAC
- JPG, TIFF

Analog Audio Characteristics

- Frequency Range: HiFi 2 channel: 20Hz-50kHz(±0.01dB); multichannel: 20Hz-50kHz (±0.01dB)
- Signal-to-noise Ratio: ≥120dB (2CH RCA); ≥130dB (2CH XLR)
- Total Harmonic Distortion Plus Noise: ≤0.0005%
- Output Level: ≤3Vrms(RCA); ≤6Vrms(XLR)
- Dynamic Range: ≥ 120dB (2CH RCA); ≥130dB (2CH XLR)
- Channel Separation: ≥110dB (2CH RCA); ≥130dB (2CH XLR)

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: UD 2.976/25/30/50/59.97/60Hz, 1080 I/P, 720P, 576I/P, 480I/P, source direct

General Specification

- Power Supply: AC 110-120V ~, 50/60Hz / AC 220-240V ~ 50/60Hz
- Power Consumption: <40W, Standby<0.5W
- Operating Temperatures: 5°C~ 35°C (41°F ~ 95°F)
- Operating Humidity: 15% ~ 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