



UDP800 MKII Product Specification

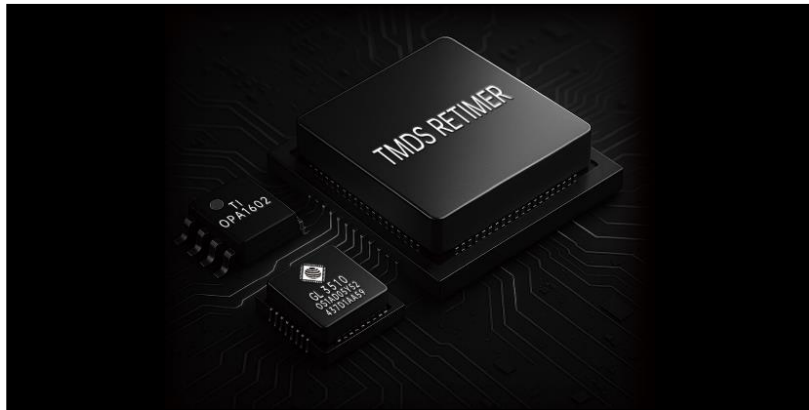


UDP800 MKII Upgrades from UDP800

- ✧ Roon Ready in certification
- ✧ Newly redesigned 2.0 audio boards with seven OPA1602 op-amps
- ✧ TMDS retiming on HDMI audio port
- ✧ Enhanced USB 3.0 system with isolated power
- ✧ Upgraded copper wiring and Amphenol/JST connectors
- ✧ Control 4 Support
- ✧ Crestron Support

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 brands, enhancing the stability and reliability of the connections.](#)



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 a MUSES8920 OP-AMP, creating audiophile-grade sound.

[The added TMDS retiming function on the main board HDMI AUDIO port effectively compensate for random jitter, provide better signal quality and load-carrying capacity, and further improve the HDMI audio quality, making the sound details richer.](#)

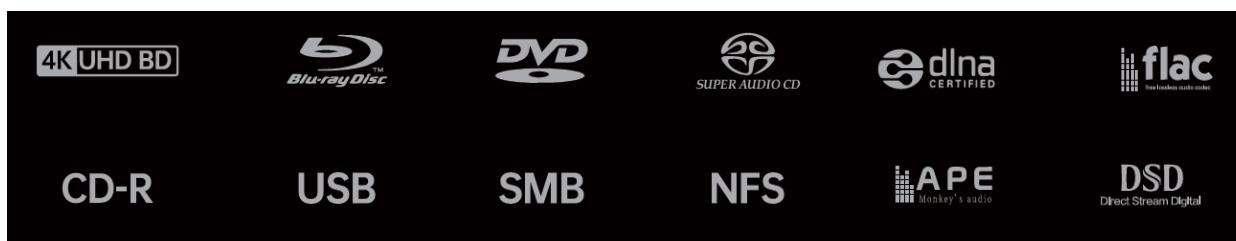
Solid and Stable Build

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.



Versatile Compatibility

UDP800 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. UDP800 MKII can seamlessly 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

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: 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

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)

General Specifications

- 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