

Astell&Kern

Astell&Kern introduces new SP3000M music player



Immersive sound and impeccable design are just the beginning with the all new Astell&Kern A&Ultima SP3000M. Delivering a smaller and lighter device that still presents unrivalled sound performance, the SP3000M is the finest Hi-Fi portable audio player available today.

Award-winning luxury audio brand, Astell&Kern, is continuing its pursuit of crafting the world's finest portable music players with the SP3000M, poised to elevate the brand's award-winning line-up to the next level. Unlike other DAPs, the SP3000M uses an innovative unbalanced and balanced independent dual audio circuit design, removing the usual limitation in audio performance and giving listeners clean, pure delicacy of sound with no lag or delay.

Separation of Digital and Analogue Signals

The SP3000M is equipped with the same trailblazing HEXA audio circuit design first found in the SP3000, despite the new player being much smaller in size. Containing four flagship AK4499EX DACs and two separate AK4191EQ chips that handle digital signals, users can enjoy amazingly vivid sounds only Astell&Kern can create while benefitting from the player's convenient portability.

Most digital players process digital and analogue signals together inside the DAC. However, the SP3000M's advanced HEXA structure reduces the noise of the digital signal input through the AK4191EQ, a separate digital delta-sigma modulator, while the AK4499EX DAC processes the analogue signals separately and freely, producing crystal clear sound with no lag or delay while physically separating digital and analogue signals.

Despite its much smaller size, the SP3000M matches that of its predecessor with a capability of completely boasting the pristine A&ultima sound through the industry leading and unmatched 130 dB SNR.

Silver Plated Shield Can



The SP3000M uses a shield can to prevent various noise and electromagnetic interference from affecting the audio block. However, as expected by Astell&Kern, it takes impressive performance capabilities a step further by applying highly conductive, high-purity silver on the existing shield can, physically separating digital and analogue signals.

Audio playback Just Like the Original Sound

Featuring innovative audio technology from A&K's Ultimate Sound Solution, TERATON ALPHA, SP3000M is designed to produce audio playback as close to the original sound as possible. TERATON ALPHA, engineered through endless research, is Astell&Kern's unique technology that has been designed to produce the truest sound recreation available today through effective power noise removal, efficient power management and unwavering amplification, and a fully converted audio output interface.

Driving Your Music with the Latest Snapdragon Octa-Core CPU



A&ultima SP3000M is equipped with a Snapdragon 6125 Octa-core processor, so you can enjoy the overwhelming sound, with faster system

response and a redesigned generation user interface that moves comfortably and smoothly.

Featuring a high-performance CPU and improved 8GB of DDR4 memory, which is twice the amount commonly used in other digital audio players, the more powerful system is stable with fast and fluid movement.



Listening with the SP3000M means more than just music – it means a breathtaking experience beyond music.

The Astell&Kern A&Ultima SP3000M is available from stockists including Amazon and Selfridges, at £2,299. The SP3000M is also available in other parts of Europe for €2,599, and the US for \$2,300.

Imagery can be found [here](#).

Press contact:

Harry Myers – harry@littleredrooster.co.uk
astellandkern@littleredrooster.co.uk

General Specification

Model	SP3000M (PPF43)
Body Color	Black
Body Material	Aluminum
Display	4.1inch HD 720 x 1280 touch screen
Supported Audio Formats	WAV, FLAC, WMA, MP3, OGG, APE, AAC, ALAC, AIFF, DFF, DSF
Sample rate	PCM : 8kHz ~ 768kHz (8/16/24/32bits per Sample) DSD : DSD64(1bit 2.8MHz), Stereo / DSD128(1bit 5.6MHz), Stereo / DSD256(1bit 11.2MHz), Stereo DSD512(1bit, 22.4MHz), Stereo
Output Level	Unbalanced 3.3Vrms Balanced 6.3Vrms (Condition No Load)
CPU	Octa-core
DAC	AKM AK4191EQ x2 & AK4499EX x4
Decoding	Support up to 32bit / 768kHz playback
Input	USB Type-C input (for charging & PC & MAC)
Outputs	Unbalanced Out (3.5mm), Balanced Out 4.4m (only 5-pole supported)
Wi-Fi	802.11 a/b/g/n/ac (2.4/5GHz)
Bluetooth	V5.0 (A2DP, AVRCP, Qualcomm® aptX™ HD, LDAC, LHDC)
Dimensions	2.72" (69.1mm) [W] x 4.70" (119.6mm) [H] x 0.74" (18.8mm) [D]
Weight	Aluminum about 8.36oz (237g)
Feature Enhancements	Firmware upgrade supported (OTA)
Operating Temperature	0°C ~ + 40°C (32°F~ 104°F)

Audio Specifications

Frequency Response		±0.020dB (Condition : 20Hz~20kHz) Unbalanced ±0.025dB (Condition : 20Hz~20kHz) Balanced ±0.032dB (Condition : 20Hz~70kHz) Unbalanced ±0.025dB (Condition : 20Hz~70kHz) Balanced
S/N		126dB @ 1kHz, Unbalanced 130dB @ 1kHz, Balanced
Crosstalk		-140dB @ 1kHz, Unbalanced -144dB @ 1kHz, Balanced
THD+N		0.0005% @ 1kHz, Unbalanced 0.0003% @ 1kHz, Balanced
IMD SMPTE		0.0004% 800Hz 10kHz (4:1) Unbalanced Balanced
Output Impedance		Unbalanced Out 3.5mm (0.6ohm) Balanced Out 4.4mm (1.2ohm)
Clock Source		
Clock Jitter		25ps (Typ)
Reference Clock Jitter		200 Femto Seconds
Storage Capacity		
Built-in Memory		256GB [NAND]
External Memory		microSD x1 (Max. 1.5TB)
Battery		
Capacity		4,200mAh 3.8V Li-Polymer
Charge Time		about 3.5hours (QC3.0 Charging)
Playback Time		about 10hours (Standard : FLAC, 16bit, 44.1kHz, Vol.80, LCD Off, Low Gain)
Supported OS		
Supported OS		Windows 10,11 (32/64bit) MAC OS X 10.7