



Astell&Kern is

The Ultimate Portable High-Fidelity Audio System Capable of Studio Mastering Quality Sound (MQS).

Music files processed during the studio mastering process (24bit/192kHz) contains 6.5 times more information than that of a standard CD and results in a more original, precise and enhanced sound. We refer to these music files as Mastering Quality Sound (MQS)



*CD : 16bit, 44.1kHz

Take Advantage of the Astell&Kern as an External DAC

Connect the Astell&Kern to a laptop, PC, or a CD Player that supports an external optical DAC. Play CDs and sounds stored in PC memory for significantly improved sound quality with radiance and realism.



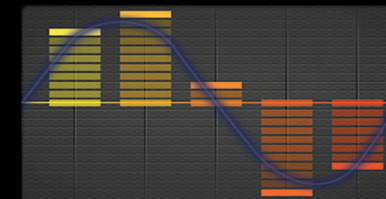
Equipped with the Wolfson WM8740 DAC, one of the World's Highest Performing 24bit/192kHz Stereo DAC.

The Astell&Kern is the world's first portable digital device equipped with the Wolfson WM8740 DAC. The Astell&Kern produces pure and brilliant high definition audio and sound quality from a portable device.



A Drawing Equalizer Controlled through your Fingertips

The touch interface of the built-in 5-band equalizer helps you to precisely find the tone you desire. Changes in frequency response can be monitored through the graph implemented in the equalizer.



Specification

MODEL	AK100	
General Specifications	Display	2.4inch QVGA (320 x 240) IPS Touchscreen
	Supported Audio Formats	WAV, FLAC, WMA, MP3, OGG, APE
	Sample rate	FLAC, WAV : 8kHz ~ 192kHz (8/16/24bits per sample)
	Output Level	1.5Vrms (No Load)
	DAC	Wolfson WM8740 24bit DAC (High-End Audio DAC)
	Decoding	Supports up to 24bit / 192kHz Bit to Bit Decoding
	Charging Interface	Micro USB Type-B
	Interface	USB 2.0, OPTICAL IN/OUT, Headphone Out
	Dimensions	2.33 " (59.2 mm) [W] x 3.11 " (79 mm) [H] x 0.57 " (14.4 mm) [D]
	Weight	4.3 oz (122 g)
Feature Enhancements	Firmware upgrades supported	
Audio Performance	Frequency Response	10Hz to 20kHz +/-0.02dB (24bit 48kHz, No Load)
	Signal to Noise Ratio	110dB (1kHz 0dB, 24bit 48kHz, No Load)
	Crosstalk	-120dB (1kHz 0dB, 24bit 48kHz, No Load)
	THD+N	0.0009% (1kHz 0dB, 24bit 48kHz, No Load)
IMD SMPTE	0.003% (24bit 48kHz, No Load)	
Clock Source	Clock Jitter	90ps
Memory	Built-in Memory	32GB [NAND]
	External Memory	Micro SD (Max 32GB) x 2
Battery	Capacity	2,000mAh 3.7V Li-Polymer Battery
	Continues playback time	Up to 16 hours (Standard - MUSIC: FLAC, 16bit, 44kHz, Volume 37, EQ Off, LCD Off)
	Charge time	About 5 hours
OS	Supported OS	Windows 2000 / XP / Vista / 7