

SONY

Press Release

New High-Resolution Audio Walkman® and Earphones from Sony Elevate Listening Experience



Hong Kong, September 22, 2015 – In pursuit of its aim to provide the highest sound quality possible on the move, Sony is introducing the new Walkman® NW-ZX100, equipped with a new High-Resolution Audio compatible digital noise cancelling function, and the new Balanced Armature In-Ear Headphones XBA-300AP.

Aimed at achieving a more delicate and dynamic sound, the Walkman® NW-ZX100 is equipped with S-Master HX™ to perform full digital processing of the audio signal to support playback of High-Resolution sound. By using Sony's acoustic engineering technologies, Sony's expanding range of High-Resolution Audio products aim to reproduce music just as artists truly intended, beyond CD quality (16 bit/44.1kHz).

The ZX100 Walkman® stays true to form and delivers not only High-Resolution file formats in stunning quality, but also enhances your compressed music files such as MP3 using built-in DSEE HX™ technology, which complements the treble of compressed sound sources and bit rate beyond their original values up to a region that corresponds to near High-Resolution sound quality.



Offering you more options to listen to your tunes, the Walkman® ZX100 is equipped with the LDAC™ (low latency codec), a new audio technology from Sony that allows you to enjoy high quality wireless audio via Bluetooth®. With three times the data transmitted¹, LDAC™ provides an enhanced wireless listening experience.

The Walkman® ZX100 utilises a unique power supply design that incorporates four independent ‘OS-CON’ polymer capacitors for amplifier block. Their outstanding frequency response can efficiently reduce noise, reproducing crystal clear sound.

The design of the Walkman® ZX100 is aimed at achieving the highest quality sound. With its sleek, rounded aluminum frame and a gold-plated copperplate for high rigidity, as well as its high purity lead free solder developed by Sony for high-end audio products, the Walkman® ZX100 is able to produce a natural frequency balance. By filling the VIA hole in the printed circuit board with copper, the ZX100 Walkman® is able to realise distinct bright and high range vocals, as well as a powerful and firm bass. This unique design stabilises the power line and lowers the impedance of the circuit to produce only the best audio quality.

Keeping you and your extensive music library going is its 45-hour battery life² and large 128GB internal memory. There is also a micro SD card slot to expand the memory, with additional support for micro SDXC cards larger than 64GB.



XBA-300AP Balanced Armature In-Ear Headphones

In-Ear Headphones XBA-300AP

The XBA-300AP is the first Sony High-Resolution compatible in-ear headphones in the Balanced Armature unit line up, and features a Triple Balanced Armature – in addition to a full-range and tweeter, it adapts the symmetric armature and direct-drive structure to the woofer.

This new technology includes components that are fabricated to machining accuracy on the μ (micron) in order to drive the diaphragm faithfully to the input signal, delivering clear midrange and high-frequency

¹ Bluetooth® A2DP, SBC(328kbps,44.1kHz)

² 45 hours of High-Resolution sound source playback (192kHz/24) and 70 hours of MP3 sound source playback (128kbps) is possible.

sound. Moreover, its aluminium alloy diaphragm helps achieve weight reduction and high rigidity to deliver ultra-high frequencies while its brass sound path makes it possible for crystal clear high-mid notes.

The XBA-300AP also comes with a double layered housing. The inner housing, also known as “Rigid Mount Housing”, is composed by magnesium alloy that brings about high rigidity and high internal losses. The usage of different materials from outer housing sophisticates high-speed sound with a greater transient and also produces clearer sound in the mid-high range by inhibiting needless vibration inside the housing. The headphone’s noise-blocking design further attenuates ambient noise and sound leakage, offering you only the best in sound quality.

Equipped with a detachable cable, the XBA-300AP also enables you to enjoy an even better sound quality with a separate Sony cable, such as those from the MUC-M series. Its compact size also offers a perfectly comfortable fit, thanks to the efficient layout of the Balanced Armature driver that contributes to a stable and comfortable fitting.

Availability

The Walkman® NW-ZX100 from Sony will be launched on September 24 at HK\$4,680. From September 24 to October 31, 2015, customers purchasing the NW-ZX100 will be able to redeem³ a leather carrying case CKL-NWZX100 (worth HK\$480) for free.

The new Balanced Armature In-ear Headphones XBA-300AP will be available from mid-October 2015 onwards at HK\$2,180. The XBA-300AP will be available for pre-ordering on October 2 – October 12, 2015 at all Sony Stores, Sony Store online (www.sony.com.hk/store) and Sony sales hotline at (852) 2345-2966 as well as authorized dealers. Customers will be eligible to enjoy a special offer of \$400 for a Sony cable MUC-M12SM1 (original price \$680) during the pre-ordering period.

For customer enquiries, please contact Sony hotline service at (852) 2345-2966.


About Hong Kong Marketing Company

Hong Kong Marketing Company (HKMC), a division of Sony Corporation of Hong Kong Limited, provides sales, marketing and after sales services for Sony’s consumer electronics products as well as broadcast and professional products in Hong Kong and Macau. For more information on Sony’s products and services, please visit our website at <http://www.sony.com.hk>.

###

³ Redemption at Sony Customer Service Centre (Mongkok & Causeway Bay).

Specifications of Sony Hi-Res Audio Walkman® NW-ZX100:


Model	
Walkman® NW-ZX100	
High Resolution Audio Capability	
Capacity (User available capacity) ^{*1}	128GB (Approx 115GB)
External Memory	microSD, microSDHC, microSDXC (card not included)
Supported file format	
Audio Formats (Codec)	<p>FLAC : Media File format: FLAC ; File extension: .flac; Bit depth : 16, 24 bit; Sampling frequency ^{*1}: 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48, 88.2, 96, 176.4, 192 kHz</p> <p>MP3 : Media File format: MP3 (MPEG-1 Layer3); File extension: .mp3; Bit rate: 32 to 320kbps (Supports variable bit rate (VBR)); Sampling frequency ^{*2} : 32, 44.1, 48kHz</p> <p>WMA ^{*3*4} : Media File format: ASF; File extension: .wma; Bit rate: 32 to 192kbps (Supports variable bit rate (VBR)); Sampling frequency ^{*1} : 44.1kHz</p> <p>AAC^{*2*3} : Media File format : MP4 ; File extension : .mp4, .m4a, .3gp ; Bit rate : 16 to 320 kbps (Supports variable bit rate (VBR))^{*4}; Sampling frequency ^{*1} : 8,11.025, 12, 16, 22.05, 24, 32, 44.1, 48 kHz</p> <p>Linear PCM : Media File format: Wave-Riff; File extension: .wav ; Bit depth : 16, 24 bit ; Sampling frequency ^{*1} : 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48, 88.2, 96, 176.4, 192 kHz</p> <p>HE-AAC^{*3} : Media File format: MP4; File extension: .mp4,.m4a,.3gp; Bit rate: 32 to 144kbps (Supports variable bit rate (VBR))^{*4}; Sampling frequency ^{*1} : 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48kHz</p> <p>Apple Lossless : Media File format: MP4; File extension: .m4a, .mp4 ; Bit depth : 16, 24 bit ; Sampling frequency ^{*1} : 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48, 88.2, 96, 176.4,</p>

	<p>192 kHz</p> <p>AIFF : Media File format: AIFF; File extension: .aif, .aiff, .afc, .aifc ; Bit depth : 16, 24 bit ; Sampling frequency *1 : 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48, 88.2, 96, 176.4, 192 kHz</p> <p>DSD*5 : Media File format: DSF, DSDIFF; File extension: .dsf, .dff; Bit depth : 1bit; Sampling frequency *1 : 2.8224 MHz, 5.6448 MHz</p>
Continuous Playback Time	<p>Noise Cancel ON MP3 128kbps: approx. 60Hrs; AAC 256 kbps: approx. 55Hrs; FLAC 96kHz/24bit: approx. 50Hrs; FLAC 192kHz/24bit: approx. 40Hrs; DSD 2.8224MHz/1bit: approx. 29Hrs; DSD 5.6448MHz/1bit: approx. 24Hrs</p> <p>Noise Cancel OFF MP3 128kbps: approx. 70Hrs; AAC 256 kbps: approx. 65Hrs; FLAC 96kHz/24bit: approx. 55Hrs; FLAC 192kHz/24bit: approx. 45Hrs; DSD 2.8224MHz/1bit: approx. 31Hrs; DSD 5.6448MHz/1bit: approx. 26Hrs</p>
Noise Cancelling System	Digital Noise Canceling (ON/OFF) Select NC Environment: Full-auto ANC, Bus/ Train, Airplane, Office
Display	3.0-inch (7.6 cm), WQVGA(400 x 240 Pixels)
Interface	USB: Hi-Speed USB (USB 2.0 compliant) / Headphone: Stereo mini-jack / WM-PORT: WM-PORT(multiple connecting terminal): 22 pins
Bluetooth	Communication system: Bluetooth specification version 3.0 Supported codec: SBC, aptx, LDAC
Output (Headphones)	Frequency response 20 - 40,000 Hz
Sound enhancements	5 Band equalizer((Rock/Pop/Jazz/Dance/Soul/Relax/Bass Boost/Treble Boost/Custom 1/Custom 2+ Clear Bass; VPT(Studio/Club/Concert Hall/Matrix); DSEE HX(On/Off); ClearAudio+(On/Off); Clear Stereo(On/Off); Dynamic Normalizer(On/Off); Clear Phase(On/Off)
Power Source	Built-in Rechargeable lithium-ion Battery / USB power (from a computer via a USB connector of the player)
Charging Time	Approx. 5 hours (USB-based charging)
Dimensions	54.4 x 120.1 x 15.4mm
Mass	145g
Supplied Accessories	USB cable (1), Spacer (1), Startup Guide (1), Instruction Manual (1)

Remarks

- *1 Sampling frequency may not correspond to all encoders.
- *2 Copyright protected files cannot be played back.
- *3 Files with copyright protection cannot be transferred to a microSD card.
- *4 Non-standard bit rates or non-guaranteed bit rates are included depending on the sampling frequency.
- *5 Audio that is converted to Linear PCM is output.

Specifications of Sony In-Ear Headphones XBA-300AP:

Series	XBA
Model	XBA-300AP
HI-RES	
Headphones	
Wearing Style	In-ear
Acoustic Type	Closed
Driver Unit	Triple balanced armature
Frequency Response	5-40,000Hz
Sensitivity	101dB/mW
Impedance (at 1 kHz)	16Ω at 1kHz
Cord	Approx. 1.2 m, silver-coated OFC Litz wire, detachable
Plug Type	L-shaped gold-plated 4-pole mini plug
Mass	Approx. 7 g without cable
Microphone	
Open Circuit Voltage Level of Microphone	-40dB (0dB=1V/Pa)
Unit of Microphone	Electret condenser
Direction of Microphone	Omni directional
Effective Frequency of Microphone	20-20,000Hz
Supplied Accessories	Clip (1); Carrying Case (1); Headphone Cable Length Adjuster (1); Earbuds (1); Operating Instructions (1)