



Sep 03, 2014 17:00 CEST

Sony gives you more ways to enjoy High-Resolution Audio on the move

High-Resolution Audio brings you closer to the spirit and soul of the artist's original performance – just as you'd hear it on stage or in the recording

studio. Now Sony offers an expanded range of options for enjoying pristine Hi-Res sound at home, on holiday or the daily commute.

Packing audiophile performance into a pocket-sized player, the Walkman® A15 sets an exciting new benchmark in sound and style. It's joined by a choice of Hi-Res headphones and a new headphone amplifier to wrap you in a sumptuous listening experience.

Walkman® A15

The world's smallest and lightest High-Resolution Audio digital music player[i], the exquisitely styled Walkman® NWZ-A15 immerses you in a world of vivid, richly detailed sound.

Bringing true audiophile credentials to portable High-Resolution Audio players, Walkman® A15 showcases Sony's unique S-Master HX™ digital amplifier. This advanced technology accurately processes massive amounts of wide-bandwidth audio data while minimising noise and distortion. It's also highly efficient, allowing up to 30 hours battery life while enjoying Hi-Res sources or an even longer 50 hours listening time with MP3.

Walkman® A15 borrows details you'd expect from top-end hi-fi components, like high-purity lead-free solder that's used extensively within the player for finely-detailed sound with balanced lows, mids and highs. In addition, the power supply line strengthened by thickened wires offers reduced impedance, reducing distortion and ensuring deep, resounding bass. The extremely rigid aluminium die-cast chassis further reduces electrical noise and stabilises sound reproduction. And instead of conventional ceramic capacitors, a high-grade POSCAP[iii] capacitor is used as the charge pump for the S-Master HX™ digital amplifier to minimise noise and distortion even further.

Even if you're listening to lower-bitrate CD recordings or heavily compressed MP3 files, DSEE (Digital Sound Enhancement Engine) HX™ technology upscales the quality of compressed sound sources to surpass CD quality by intelligently recreating lost high-frequency information. You'll be rewarded by near-High Resolution clarity for your whole music collection.

There's plenty of space to satisfy voracious music lovers. 16GB internal memory can be increased via the microSD memory card slot to accommodate extensive Hi-Res audio libraries.

MDR-Z7 High-Resolution Audio headphones

Now there are premium quality headphones that are a true match for today's finest High-Resolution Audio sources. The headband-type MDR-Z7 elevates your listening experience to new levels of detail and emotional involvement, with an uncompromising design philosophy that makes extensive use of advanced materials.

A newly-developed 70mm HD driver unit completely envelops the listener's ear, revealing every music nuance with startling integrity – from powerful sub-bass lows to crystalline highs. Critical high frequencies are faithfully reproduced right up to 100 kHz, delivering a transparent sound with all the harmonic detail of a live performance.

Whether you're enjoying a string quartet or crunching rock, aluminium-coated Liquid Crystal Polymer diaphragms minimise colouration right across the audio spectrum.

Even the most demanding bass-lines are reproduced with effortless pace and rhythm, thanks to Sony's Beat Response Control that vents airflow to optimise free diaphragm movement.

Peerless audio is complemented by a comfortable listener experience. Large, pressure-relieving ear cushions employ urethane for a combination of excellent isolation and maximum wear comfort.

As a further refinement, the headphones cable's 4-wire structure uses separated ground cables to minimise crosstalk between left/right channels and supports the balanced audio output. Supplementing the normal detachable cable, an additional cable supports direct connection to devices with a balanced audio output such as the new PHA-3AC headphone amplifier. In addition; Silver-coated OFC Oxygen Free Copper cable strands reduce signal transmission loss.

Perfect for Hi-Res listening on the go, the MDR-1A headphones share many innovative features with the MDR-Z7, including Aluminium-Coated LCP diaphragms in its 40mmHD driver units and silver-coated OFC cabling with separated ground conductors.

PHA-3AC High Resolution Audio headphone amplifier and MDR-1ADAC headphones

Reveal new levels of detail and transparency when you're listening to High-Resolution Audio files stored on your PC, smartphone, tablet or music player.

The PHA-3AC headphone amplifier converts Hi-Res signals (PCM 384 kHz/32 bit and DSD) from your device's digital output for you to enjoy through headphones such as the new MDR-Z7. High-end D/A conversion technology ensures a remarkably spacious, three-dimensional soundstage with superb channel separation. Perfect for home usage, the amplifier's balanced output can directly drive the MDR-Z7 for an absolutely uncompromised signal chain – right to your ears.

Also available, and designed for both home and mobile usage, the MDR-1ADAC headphones incorporate an integrated D/A converter that's capable of accepting Hi-Res signals up to 192 kHz/24 bit or DSD 2.8MHz/5.6MHz.

Auto input selection allows easy connection with a wide range of portable devices, including compatible Walkman® and Xperia models, PCs, iPod, iPad and iPhone (via Lightning Digital AV Adapter). Sony's S-Master HX digital amplifier helps maintain absolute signal purity, and convenient USB battery charging allows up to 7.5 hours of High-Resolution listening.

The Walkman® NWZ-A15 High-Resolution Audio player, MDR-Z7 headphones, MDR-1A headphones, MDR-1ADAC, and PHA-3AC headphone amplifier from Sony are available in Europe from October 2014.

[i]. Based on volume ratio . As of August 2014, according to research by Sony.

[iii] POSCAP is the registered trademark of SANYO Electric Co., Ltd.

Technical specifications

Model Name	NWZ-A15
Available colours	Black/Silver
Internal memory	16GB
External memory	microSD (card not included)
Display size/resolution	2.2-inch (5.6 cm) TFT colour LCD QVGA (320×240)
Compatible media formats	Music: FLAC/Apple Lossless(ALAC)/MP3/AAC[i]/HE-AAC/WMA ^[iii] /Linear PCM(WAV)/AIFF
Movie: MPEG-4/AVC(H.264/AVC)/Windows Media Video 9	
Sound effects/processing	S-Master HX/DSEE HX/Clear Audio+/Clear Bass/Equaliser/VPT(surround)/Dynamic Normaliser
Battery life	MP3☒50 hrs[iii]
Hi-Res Audio☒30 hrs[iv]	

Bluetooth	Communication system: Bluetooth® Ver. 2.1+EDR1 Compatible Bluetooth profiles: A2DP❏AVRCP❏OPP Supported Codec: SBC/ aptX®
FM radio	76.0❏108.0MHz[v]
Other functions	Karaoke, Dance, Display Lyrics, Language Study, SensMe™ Channels
Dimension (projecting parts not included)	43.6 x 109 x 8.7mm
Weight	66g
Model Name	MDR-Z7
Type	Closed Dynamic
Driver Unit	❏70 mm, Dome type ❏CCA W voice coil❏
Sensitivity	102 dB/mW
Frequency characteristics	4 Hz ❏ 100,000 Hz
Impedance	70 Ω (at 1 kHz)
Maximum input	2,000 mW
Plug	Gold-plated stereo miniplug (headphone cable)❏Gold-plated miniplug x2❏balance connection headphone cable❏
Weight(exclude cable❏)	Approximately 335 g
Supplied Accessories	Headphone cable❏3m), balance connection headphone cable❏2m), Gold-plated plug adaptor
Model Name	PHA-3AC

Frequency range	10 Hz – 100 kHz (AUDIO IN input) Distortion 0.01 % or less (1 kHz)
Supported impedance	8 Ω - 600 Ω
Maximum input	2V rms (AUDIO IN)
Maximum output (when using the built-in lithium-ion rechargeable battery)	<u>Balanced connection</u> Approx. 320 mW + 320 mW (32 Ω , 1 % distortion) <u>Normal connection</u> Approx. 100 mW + 100 mW (32 Ω , 1 % distortion)
Output jack	3-pole mini jack (BALANCED-L / R) Stereo mini jack1 (-NORMAL)
Input jack/port	Computer/WALKMAN®/Xperia connecting port iPhone/iPad/iPod connecting port Optical input connecting port (OPT IN port) Stereo mini jack
Power source	DC 5 V: when using the AC adaptor
Rated power consumption	13.5 W
Dimensions	Approx. 80 x 29 x 140.5 mm (W/H/D, projecting parts are not included)
Mass	Approx. 231 g

Supported sampling frequencies/bit	<p>PCM: when connecting a computer: Maximum 384 kHz/32 bit</p> <p>when connecting iPhone/iPad/iPod: Maximum 48 kHz/24 bit</p> <p>when connecting optical link: Maximum 192 kHz/24 bit</p> <p>DSD: 2.8 MHz, 5.6 MHz</p>
Supplied Accessories	<p>Headphone Amplifier (this unit) (1)</p> <p>Digital cable for WALKMAN® (1)</p> <p>Digital cable for Xperia (1)</p> <p>Micro-USB cable (2)</p> <p>Audio cable (stereo mini) (1)</p> <p>USB AC adaptor (2)</p> <p>Silicone belt (4)</p>
Operating environment	<p>Compliant OS:</p> <p>Windows 8.1/Windows 8.1 Pro/Windows 8/Windows 8 Pro</p> <p>Windows 7</p> <p>Windows Vista</p> <p>Mac OS X (v10.6.8 or later)</p> <p>CPU: Intel Core 2 Processor 1.6 GHz or better</p> <p>Memory: 1 GB or better</p> <p>USB port (USB 2.0 High Speed)</p>
Model Name	MDR-1ADAC

Type	Closed Dynamic
Driver Unit	40 mm Dome type
Sensitivity	102 dB/mW
Frequency characteristics	4 Hz 40,000 Hz (Digital input) 4 Hz 100,000 Hz (Analog input)
Impedance	40 Ω(at 1 kHz)
Maximum input	1,500 mW
Battery life	Approximately 7.5 hours
Charging time	Approximately 4 hours
Plug	Gold-plated stereo miniplug (headphone cable)
Weight(exclude cable)	Approximately 300 g
Supplied Accessories	Digital cable for Xperia(1.2m) Digital cable for Walkman®(1.2m) Exclusive lightning cable(1.2m) Micro USB cable(1.5m) Headphone cable1.2m) Carrying Pouch

[i] Copyright protected AAC-LC files cannot be played back

[ii] Copyright protected WMA files cannot be played back.

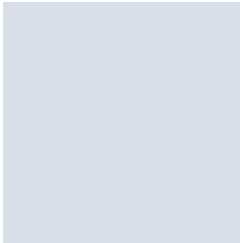
[iii] MP3 128kbps (Bluetooth OFF)

[iv] FLAC 192kHz/24bit (Bluetooth OFF)

[v] Headphone is not included

Sony Corporation is a leading manufacturer of audio, video, game, communications, key device and information technology products for the consumer and professional markets. With its music, pictures, computer entertainment and online businesses, Sony is uniquely positioned to be the leading electronics and entertainment company in the world. Sony recorded consolidated annual sales of approximately \$75 billion for the fiscal year ended March 31, 2014. Sony Global Web Site: <http://www.sony.net/>

Contacts



Sony Europe PR Team

Press Contact

PR Team

press@eu.sony.com