

# SONY

## NW-ZX100HNSM

### Hi-Res Walkman Digital Music Player with Digital Noise

The NW-ZX100HN series has a powerful combination of high-end audio technologies – for detailed, lossless playback for all your music. Meticulously engineered with premium circuitry, refined aluminum body and Noise Cancelling technology, so your only focus is the music.



#### Bullets

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- 128GB<sup>3</sup> Hi-Res Walkman® Portable Music Player with Digital Noise Cancellation
- Compatible with a wide variety of file formats, including: DSD, WAV, FLAC, AIFF, ALAC, MP3, WMA and more
- Includes Noise-cancelling earbuds
- Bluetooth® with LDAC Hi-Fidelity wireless music streaming<sup>1</sup>
- Longest battery of any Walkman. Enjoy up to 70 hours of music playback<sup>2</sup>
- microSD memory card expansion slot for added storage capacity
- 24-bit, 192kHz high-resolution audio
- Engineered for Sound: S-Master® HX full digital amp for unparalleled, delicate, and dynamic sound
- DSEE HX upscales audio (MP3, AAC, ATRAC, and WMA) to near Hi-Res quality

#### Features

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##### High-rigidity body

The high-rigidity body allows for the optimal realization of clear vocals, powerful yet firm bass, and bright high ranges to provide the quintessential listening experience.

##### High purity lead-free solder

The high purity lead-free solder developed exclusively for Sony's high-end audio products creates a more natural and well balanced sound for low, mid, and high ranges.

##### Aluminum frame

A lightweight, highly rigid aluminum frame is the ideal base to prevent unwanted noise and distortion while delivering superb audio reproduction. A comfortable easy to hold design, with side-mounted controls allow for natural play/pause and track navigation.

##### Filled VIA hole in printed circuit board

Filling the VIA hole in the printed circuit board with copper helps to stabilize the power line and lower the impedance of the circuit, which in turn facilitates the firm bass sound, bright high ranges, and clear vocals that the NWZX100HN provides.

##### Detailed, dynamic sound with Hi Res audio support

The NW-ZX100HN has a powerful combination of high-end audio technologies – for detailed, lossless playback for all your music.

Enjoy the subtlest nuances of studio-quality sound with High-Resolution Audio.

##### Longest battery of any Walkman. Enjoy up to 70 hours of playback<sup>2</sup>

Spend more time with your music. You can enjoy up to 70 hours of playback,<sup>2</sup> thanks to the NW-ZX100HN significantly improved battery life.

##### Expandable 128GB<sup>3</sup> of memory

128GBs<sup>3</sup> of memory built in. An additional memory slot gives you the freedom to add a microSD card, so you never run out of music.

##### Bluetooth streaming at its best with LDAC<sup>1</sup>

Enjoy high quality music streaming thanks to LDAC, our premium wireless codec. With 3x the bitrate of standard Bluetooth, you can enjoy a superior listening experience for every track.<sup>1</sup>

##### Includes Noise-Canceling earbuds

Immerse yourself deeper in the sound, thanks to the NW-ZX100HN exclusive bundled headphones. Noise Cancelling mutes distractions from the world outside, so it's just you and your music.

##### Your favorite Hi-Res tracks, even in DSD!

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The NW-ZX100HN supports playback of most Hi-Res digital music file formats including: MP3, WMA, WMA lossless, WAV, FLAC, L-PCM, AAC, ALAC, AIFF, DSF, and DSDIFF. For optimized playback, a user-selectable DSD filter allows for refined playback, either a slow roll-off ideal for expressive music and a warmer sound experience or sharp roll-off tailored for energetic music and a fuller sound benefitting from a sharp attack.

## Specifications

Audio		Version	Version 3.0	
Audio Power Output	15mW + 15mW (non CEW) 1.6 ~ 4.2mW (CEW)*	Profile		
Audio Format(s) Supported	MP3 (MPEG-1 Layer3): 32 to 320kbps (Supports variable bit rate (VBR)) at 32, 44.1, 48kHz	A2DP	Yes	
	WMA: ASF file format, 32-192 kbps (Supports variable bit rate (VBR)) at 44.1 kHz	AVRCP	Yes	
	FLAC: 16, 24 bit at 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48, 88.2, 96, 176.4, 192 kHz	OPP	Yes	
	Linear PCM: Wave-Riff file format, wav file extension, 16, 24 bit at 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48, 88.2, 96, 176.4, 192 kHz	Convenience Features		
	AAC: MP4, mp4, .m4a, .3gp file extension, 16 to 320kbps (Supports variable bit rate (VBR)) at 11.025, 12, 16, 22.05, 24, 32, 44.1, 48kHz	Multiple Language Display	German/ English/ Spanish/ French/ Italian/ Polish/ Portuguese/ Russian/ Turkish/ Japanese/ Korean/ Simplified Chinese/ Traditional Chinese	
	HE-AAC: MP4, mp4, .m4a, .3gp file extension, 32 to 144kbps (Supports variable bit rate (VBR)) at 11.025, 12, 16, 22.05, 24, 32, 44.1, 48kHz	Display		
	Apple Lossless: MP4, mp4, .m4a file extension, 16, 24 bit at 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48, 88.2, 96, 176.4, 192 kHz	Display Technology	TFT color display with white LED-backlight	
	AIFF: 16, 24 bit at 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48, 88.2, 96, 176.4, 192 kHz	Screen Size	3.0" (7.6 cm), WQVGA (400 x 240 Pixels)	
	DSD: 1 bit, 2.8224 MHz, 5.6448 MHz	Hardware		
	*Sampling frequency may not correspond to all encoders.	Interface	Stereo mini-jack (Headphone) Hi-Speed USB(USB 2.0 compliant) WM-PORT(multiple connecting terminal): 22 pins	
**Copyright protected files cannot be played back.	Memory			
***Files with copyright protection cannot be transferred to a microSD card.	Memory Size	128GB		
****Non-standard bit rates or non-guaranteed bit rates are included depending on the sampling frequency.	Operating Conditions			
Frequency Response	20 to 40,000 Hz (when playing data file, single signal measurement)	Operating Temperature	41 °F to 95 °F (5 °C to 35 °C)	
Audio Features		Power		
Play Mode	Normal / Repeat / Shuffle / Shuffle&Repeat / Repeat 1 Song Playback Range(All Range / Selected Range)	Battery Charging (Approx)	USB-based charging: 5 Hours	
Sound Mode	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)	BT Spec.		

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Battery Life (Approx)	MP3 @128 kbps = 70 Hrs. (Noise Cancel OFF), 60 Hrs. (Noise Cancel ON)	Power Type	Built-in Rechargeable lithium-ion Battery USB power (from a computer via a USB connector of the player)
	AAC @256kbps = 65 Hrs. (Noise Cancel OFF), 55 Hrs. (Noise Cancel ON)	<b>Weights and Measurements</b>	
	FLAC @96 kHz/24 bit = 55 Hrs. (Noise Cancel OFF), 50 Hrs. (Noise Cancel ON)	Dimensions (Approx.)	53.8 x 119.5 x 14.8 mm (2 1/8 x 4 3/4 x 19/32 inches) (w/h/d, projecting parts not included) 54.4 x 120.1 x 15.4 mm (2 1/4 x 4 3/4 x 5/8 inches)
	FLAC @192 kHz/24 bit = 45 Hrs. (Noise Cancel OFF), 40 Hrs. (Noise Cancel ON)	Weight (Approx.)	145 g (5.2 oz)
	DSD @2.8224MHz/1bit = 31 Hrs (Noise Cancel OFF), 29 Hrs. (Noise Cancel ON)	<b>Accessories</b>	
	DSD @DSD 5.6448MHz/1bit = 26 Hrs. (Noise Cancel OFF), 24 Hrs. (Noise Cancel ON)	Supplied Accessories	Headphones (1) Earbuds (1 set) Clip (for Headphones) (1) USB cable (1) Startup Guide (1) Instruction Manual(1) Spacer (for Portable Amp) (1) microSD Card is not supplied with your Walkman
	Bluetooth = MP3 @128kbps (Approx. 45 Hrs, SBC Connection, FLAC @96kHz/24bit (Approx. 28 Hrs LDAC (Standard)		
*Even if the player is turned off for an extended period, a small amount of battery power is still consumed.			
**Battery life may vary depending on volume setting, conditions of use and ambient temperature.			

1. Connected Bluetooth device must support LDAC format. Interoperability and compatibility among Bluetooth® devices vary.

2. Battery life - Listening at MP3 quality. High-Resolution Audio playback time is up to 45 hours. Actual battery life will vary based on product settings, usage patterns and environmental conditions.

3. 1 GB equals 1 billion bytes, a portion of which is used for data management functions.

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