

SONY

NW-WM1A

High-Resolution Walkman

Hear your favorite tracks like never before with Sony's Hi-Res Walkman that combines leading digital amplification and sound technologies for an uncompromised listening experience. From the groundbreaking digital amplifier, to the high-quality aluminum chassis and OFC cabling, each Hi-Res Walkman component elevates the high-resolution sound experience from one you listen to, to one you can feel.



Bullets

- Aluminum chassis, with oxygen-free copper cabling
- 32bit/384kHz PCM playback and Native DSD support (up to 11.2MHz)²
- Unbalanced & balanced connector (4.4mm) for max sound quality & increased output
- 128GB built-in memory³ and microSD memory card slot
- Make compressed audio sound brilliant by restoring lost audio fidelity with DSEE HX
- Enjoy near hi-res quality wireless sound via Bluetooth with LDAC¹
- Up to 30-hours Hi-Res music playback
- 4.0" touchscreen for simple, intuitive navigation and side-key controls
- New Advanced S-Master HX digital amplifier with higher headphone output

Features

Aluminum chassis with oxygen-free copper cabling

Enjoy pure sound from high quality parts. An aluminum alloy frame provides a highly rigid case that's resistive to electrical noise and other interference for stable, high-quality sound. A low-resistance oxygen-free copper cable offers low distortion and superior channel separation.

32bit/384kHz PCM playback and Native DSD support (up to 11.2MHz)

The NW-WM1A Walkman[®] supports the very latest 384 kHz / 32-bit rate and DSD Native Playback² to help retain all the authentic detail of the original recording.

Unbalanced and balanced connector for maximum sound quality and output

Enjoy clear, precise, dynamic sound with balanced audio. With a new 4.4mm balanced standard plug, noise picked up from the wire to the amplifier is reduced. The result: superior sound, delivered with clarity.

Enjoy 128GB built-in memory³, plus Micro SD

The NW-WM1A packs in 128GB of built-in file memory³, so that you never run out of music. Plus, never run out of space for your music library and store files in the highest quality with the Micro SD slot.

Make compressed audio sound brilliant by restoring lost audio fidelity with DSEE HX

New DSEE HX builds on our proprietary DSEE technology, upscaling compressed audio files to a level that's closer to High-Resolution Audio. By restoring the subtleties of the original recording that are lost during the compression process, DSEE HX delivers a rich, studio-quality audio experience for all your music.

Enjoy near Hi-Res quality wireless sound via Bluetooth[®] with LDAC

The Sony Bluetooth[®] LDAC codec takes your music streaming to a new level¹. With 3x that data transmitted, LDAC provides an enhanced wireless listening experience with near Hi-Res quality.

Up to 30 hours Hi-Res music playback

Keep the music playing as long as you are, with up to 30 hours of non-stop High-Resolution Audio playback.

4.0" touchscreen with simple, intuitive navigation and side key controls

The fully responsive touchscreen and classic interface design have been tailored to meet the needs of the most passionate audiophiles.

New advanced S-Master HX digital amplifier with higher headphone output

A groundbreaking, new full-digital S-Master HX digital amplifier helps bring out the best of your High-Resolution Audio with Native DSD format², balanced output and high output power compatibility.

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Specifications

Audio		A2DP	Yes
Audio Power Output	Stereo mini-jack : 60mW + 60mW(non CEW, High Gain) 1.6~4.2mW (CEW) Balanced standard-jack : 250mW + 250mW(non CEW, High Gain) 1.6~4.2mW (CEW)	AVRCP	Yes
Audio Format(s) Supported		Convenience Features	
	MP3 (MPEG-1 Layer3): 32 to 320kbps (Supports variable bit rate (VBR)) at 32, 44.1 and 48 kHz	Multiple Language Display	German/ English/ Spanish/ French/ Italian/ Polish/ Portuguese/ Russian/ Turkish/ Japanese/ Korean/ Simplified Chinese/ Traditional Chinese
	WMA: ASF file format, 32-192 kbps (Supports variable bit rate (VBR)) at 44.1 kHz	Display	
	FLAC: 16, 24 bit at 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48, 88.2, 96, 176.4, 192 kHz, 352.8, 384 kHz	Display Technology	TFT color display with white LED-backlight, Capacitive touch screen
	Linear PCM: Wave-Riff file format, wav file extension, 16, 24, 32 (Float/Integer) at 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48, 88.2, 96, 176.4, 192, 352.8, 384 kHz	Screen Size	4.0" (10.2 cm) / FWVGA (854 x 480 Pixels)
	AAC: MP4, mp4,.m4a,.3gp file extension, 16 to 320 kbps ((Supports variable bit rate (VBR)) at 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48 kHz	Hardware	
	HE-AAC: MP4, mp4,.m4a,.3gp file extension, 32 to 144 kbps at 8, 11.025, 12, 16, 22.05, 24, 32, 44.1 and 48kHz	Interface	Stereo mini-jack, Balanced standard-jack Hi-Speed USB (USB 2.0 compliant) WM-PORT (multiple connecting terminal): 22 pins
	Apple Lossless: MP4, m4a, .mp4 file extension, 16 to 24 bit at 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48, 88.2, 96, 176.4, 192, 352.8, 384 kHz	Memory	
	AIFF: 16-24-32 bit at 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48, 88.2, 96, 176.4, 192, 352.8, 384 kHz	Memory Size	128 GB
	DSD: 1 bit at 2.8224 MHz, 5.6448, 11.2896 MHz	User Memory Capacity (Approx.)	122,573,127,680 byte (114.15 GB)
	* Sampling frequency may not correspond to all encoders	Operating Conditions	
	**Copyright protected files cannot be played back.	Operating Temperature	41 °F to 95 °F (5 °C to 35 °C)
	***Non-standard bit rates or non-guaranteed bit rates are included depending on the Sampling frequency.	Power	
Frequency Response	20 to 40,000 Hz (when playing data file, single signal measurement)	Power Type	Built-in Rechargeable lithium-ion Battery USB power (from a computer via a USB connector of the player)
Audio Features		Video	
Play Mode	Normal / Repeat / Shuffle / Shuffle&Repeat / Repeat 1 Song Playback Range(All Range / Selected Range)	Video Format(s) Supported	AVC(H.264/AVC): MP4 file format, 20 Mbps bitrate, 30 fps frame rate, 1920x1080 max MPEG4: 20 Mbps bitrate, 30 fps frame rate, 1920x1080 max WMV9: ASF file format, 20 Mbps bitrate, 30 fps frame rate, 1920x1080 max
Bluetooth		Weights and Measurements	
Frequency Range	2.4 GHz band (2.4000 GHz - 2.4835 GHz)	Dimensions (Approx.)	2.58 x 4.86 x 0.79 inches (65.3 mm x 123.4 mm x 19.9 mm) (w/h/d, projecting parts not included) 2.87 x 4.89 x 0.79 inches (72.9 mm x 124.2 mm x 19.9 mm)
Modulation Method	FHSS	Weight (Approx.)	9.5 oz (267 g)
BT Spec.		Accessories	
Version	Version 4.2	Supplied Accessories	Walkman (1) USB cable (1) Wrist strap (1) Startup Guide (1) Instruction Manual (1) Headphones and a microSD card are not supplied with the Walkman.
Profile			

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

2. DSD Native Playback requires a balanced connection. When unbalanced, DSD playback requires PCM conversion.

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

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