SONY

NW-A37HN/B
Walkman® with High-Resolution Audio

Premium style meets premium sound with this Hi-Res Audio Walkman that features a strikingly simple design, intuitive touchscreen control and noise cancelling headphones. Get the best out of every track with a built-in digital amplifier, plus high quality DSD playback and upscaling of compressed music files to near-Hi-Res quality. It's the Walkman that looks as good as it sounds.

Features

Minimal design
Inspired by simplicity, the NW-A37HN Series is a beautiful example of 'less is more'. With clean lines and a simple shape, it's designed to become part of your personal style.

Intuitive touchscreen control
The high quality 3.1" screen is touch-sensitive, allowing you to access functions simply by touching the icons.

Focus on the music
Immerse yourself deeper in the sound with the NW-A37HN Series exclusive bundled Noise Cancelling headphones[2]. Block out distractions and focus only on the music.

Hear music at its best
Enjoy the subtle nuances of studio-quality sound in higher than CD quality with Hi-Res Audio.

Enjoy high-quality DSD playback
Experience high-quality playback of PCM (Pulse Code Modulation) converted content with the same warm sound of the DSD original.

S-Master HX
The S-Master HX digital amp cuts distortion and noise across a wide range of frequencies for rich, full bodied sound.

DSEE HX
Hear what you've been missing. DSEE HX upscales your existing music to near high-resolution quality.

Bluetooth streaming at its best
Enjoy high quality music streaming thanks to LDAC[1], our premium wireless codec. With 3x the bitrate of standard Bluetooth, you can enjoy a superior listening experience for all your music.

Long battery life
Enjoy up to 45 hours of playtime[2] with an improved battery life. Spend less time charging and more time listening to the music you love.

Plenty of space for all your music
The NW-A37 Series has an internal memory of 64 GB[3] with an expandable storage capacity. Simply add a microSD card and you'll almost never run out of music.

Specifications

Audio	
Audio Power Output	35mW+ 35mW(non CEW) 1.6~4.2mW(CEW)
Antenna System	FM: Headphone Cord Antenna

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Audio Format(s) Supported	MP3 (MPEG-1 Layer3): 32 to 320kbps (Supports variable bit rate (VBR)) at 32, 44.1 and 48 kHz WMA: ASF file format, 32-192 kbps (Supports variable bit rate (VBR)) at 44.1 kHz FLAC: 16, 24 bit at 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48, 88.2, 96, 176.4 and 192 kHz Linear PCM: Wave-Riff file format, wav file extension, 16, 24, 32 at 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48, 88.2, 96, 176.4 and 192 kHz 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 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 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 and 192 kHz AIFF: 16, 24, 32 bit at 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48, 88.2, 96, 176.4, 192 kHz DSD: .dsf, .dff file extension, 1 bit at 2.8224, 5.6448, 11.2896 MHz *Sampling frequency may not correspond to all encoders. **Copyright protected WMA, AAC-LC files cannot be played back. ***Non-standard bit rates or non-guaranteed bit rates are included depending on the sampling frequency. Files that are 4 GB or larger cannot be played back. This product recognizes audio sources exceeding CD quality (44.1 kHz/16 bit quantization) and DAT quality (48 kHz/16 bit quantization) as high-resolution audio. The "HR" symbol is displayed for high-resolution audio sources.
Frequency Response	20 to 40,000 Hz(when playing data file, single signal measurement)
Tuner Frequency Range	FM: 87.5 to 108.0 MHz
Audio Features	
Play Mode	Normal / Repeat / Shuffle / Shuffle&Repeat / Repeat 1 Song Playback Range(All Range / Selected Range)
Sound Modes	6 Band equalizer Off / Rock / Pop / Jazz / Classic / EDM / R&B HIPHOP / Relax / Custom 1 / Custom 2 VPT(Off / Studio / Club / Concert Hall / Matrix) DSEE HX(On / Off) ClearAudi+(On / Off) Dynamic Normalizer(On / Off) Clear Phase(On / Off) DC Phase Linearizer
Bluetooth	
Frequency Range	Frequency band: 2.4 GHz band (2.4000 GHz - 2.4835 GHz)
Modulation Method	FHSS
BT Spec.	
Version	Version 4.2
Profile	
A2DP	Yes
AVRCP	Yes
OPP	Yes
Convenience Features	
Multiple Language Display	German / English / Spanish / French / Italian / Polish / Portuguese / Russian / Turkish / Japanese / Korean / Simplified Chinese / Traditional Chinese
Display	

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Display Technology	TFT color display with white LED-backlight Capacitive touch screen
Screen Size	3.1 inch (7.8 cm) WVGA (800 x 480 Pixels)
Hardware	
Interface	Hi-Speed USB (USB 2.0 compliant) Stereo mini-jack WM-PORT (multiple connecting terminal):22 pins
Memory	
External Memory	microSD microSDHC microSDXC
Memory Size	64GB
User Memory Capacity (Approx.)	55.93GB = 60,055,519,232 (byte) *Available capacity may vary. A portion of the memory is used for data management functions.
NFC	
Type	Reader/Writer mode: (Type A, Type F)
Operating Conditions	
Operating Temperature	41 'F to 95 'F (5 'C to 35 'C)
Power	
Battery Charging (Approx)	USB-based charging: 4 Hours
Battery Life (Approx)	MP3 @128 kbps = 45 Hrs. (Noise Cancel OFF), 39 Hrs. (Noise Cancel ON) AAC @256kbps = 39 Hrs. (Noise Cancel OFF), 35 Hrs. (Noise Cancel ON) FLAC @96 kHz/24 bit = 39 Hrs. (Noise Cancel OFF), 33 Hrs. (Noise Cancel ON) FLAC @192 kHz/24 bit = 30 Hrs. (Noise Cancel OFF), 27 Hrs. (Noise Cancel ON) DSD @ 2.8224MHz/1 bit = 25 Hrs. (Noise Cancel OFF), 22 Hrs. (Noise Cancel ON) Radio: = 32Hrs. (Noise Cancel OFF), 28 Hrs. (Noise Cancel ON) Bluetooth: = 20 Hrs. (SBC, Connection), 13 Hrs. (LDAC, Auto) *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.
Power Type	Built-in Rechargeable lithium-ion Battery USB power (from a computer via a USB connector of the player)
Video	

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Video Format(s) Supported	AVC(H.264/AVC): MP4 file format, Memory Stick video format, 20 Mbps bitrate, 30 fps frame rate, 1920 x 1080 max resolution MPEG4: MP4 file format, Memory Stick video format, 20 Mbps bitrate, 30 fps frame rate, 1920 x 1080 max resolution WMV9: ASF file format, 20 Mbps bitrate, 30 fps frame rate, 1920 x 1080 max resolution Sampling frequency may not correspond to all encoders. Copyright protected files cannot be played back. Non-standard bit rates or non-guaranteed bit rates are included depending on the Sampling frequency.
Weights and Measurements	
Dimensions (Approx.)	2.16 x 3.84 x 0.43 inch (54.8 x 97.3 x 10.7 mm w/h/d, projecting parts not included) 2.21 x 3.84 x 0.43 inch (55.9 x 97.5 x 10.9 mm
Weight (Approx.)	3.5 oz (98 g) Carton weight: 257 g
Accessories	
Supplied Accessories	Walkman (1) USB cable (1) Startup Guide Instruction Manual Headphones (1) (MDR-NW750N or MDR-NW750NE, only for Europe and Korea) Earbuds (1 set) Clip (for Headphones) (1) microSD card is not supplied with your Walkman.

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

2. 45 hours (MP3 128kbps), 30 hours (FLAC 192kHz, 24bit).

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

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