

# SONY

## NWA55/B

### Walkman® A Series

Step up your sound with the incredible audio fidelity of the NW-A55. Hear all of your favorite music in authentic Hi-Res audio, through the S-Master HX™ upscaling. Keep listening for up to 45 hours<sup>1</sup> on a single charge and expand your on-the-go music collection with the SD card slot.



### Bullets

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- Precision engineered for improved sound quality
- Truly authentic sound with Hi-Res Audio
- S-Master HX™ digital amplifier for pure sound quality
- Easy Bluetooth® connectivity with NFC™ One-touch<sup>2</sup>
- Enjoy up to 45 hours of music playback<sup>1</sup>
- Effortless control with large touch screen
- Expanded memory with SD card slot (SD card not supplied)

### Features

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#### Precision engineered for improved sound quality

With advancements in design and sound quality such as advanced soldering, a premium aluminum milled frame for low impedance, and a gold-plated circuit board, the NW-A55 gives all of your favorite music powerful bass and crystal-clear sound.

#### High-Resolution Audio for uncompromised sound

Enjoy the subtlest nuances in higher-than-CD quality Hi-Res Audio. Passion for music unites every component from signal to speaker, so it feels like the artist is performing right in front of you.

#### S-Master HX™ delivers Hi-Res audio in maximum quality

Optimized for Hi-Res Audio, S-Master HX™ reduces distortion and noise, allowing you to enjoy all the subtleties in your music.

#### DSEE HX™ restores all your compressed music files

The Digital Sound Enhancement Engine HX (DSEE HX™) upscales compressed digital music files (MP3, ACC, ATRAC and WMA) and takes them closer to the quality of Hi-Res Audio. By restoring the high-range sound lost in compression, DSEE HX™ produces your digital music files in rich, natural sound.



## Go wireless with BLUETOOTH®

With wireless connectivity, you can use your favorite BLUETOOTH® headphones to listen to your favorite content.<sup>2</sup>

## Enjoy up to 45 hours of music playback

Enjoy your music all day, and then some. When fully charged you can enjoy up to 45 hours of music playback<sup>1</sup>.

## Effortless control with the large touch screen

With the large, full-color touch screen, you're in complete control. Change tracks, create playlists and more, just by tapping the handy on-screen buttons.

## Expand your memory with the SD card slot

Want to store even more music on your Walkman®? Pop in an SD card (not supplied) for additional memory.

## Specification

Connectivity	
Terminals	Headphone: Stereo mini-jack, WM-PORT: WM-PORT (multiple connecting terminal): 22 pins, USB[2]: Hi-Speed USB (USB 2.0 compliant)
Wireless Capabilities	Communication system: Bluetooth Specification Version 4.2, NFC: Yes, Supported Bluetooth profiles: Yes, Supported Codecs (Transmission): Yes, Supported Codecs (Reception): Yes
Durability	
Waterproof	-
Footnotes	
Digital Noise Canceling	Digital Noise Cancellation Select NC Environment: Full-auto AINC, Bus/Train, Airplane, Office
USB DAC Mode	Supported
Headphone Out (Balanced standard-jack)	
Frequency	-
Maximum Power Output (JEITA 16Ω/mW)	-

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Headphone Out (Stereo mini-jack)	
Frequency	20–40,000 Hz
Maximum Power Output (JEITA 16Ω/mW)	35 mW + 35 mW
Playback & display	
Audio Playback	MP3 (.MP3): 32–320 kbps (Supports variable bitrate (VBR)) / 32, 44.1, 48 kHz, WMA (.WMA): 32–192 kbps (Supports variable bitrate (VBR)) / 44.1 kHz, FLAC (.flac): 16, 24 bit / 8–384 kHz, WAV (.WAV): 16, 24, 32 bit (Float / Integer) / 8–384 kHz, AAC (.mp4, .m4a, .3gp): 16–320 kbps / 8–48 kHz, HE-AAC (.mp4, .m4a, .3gp): 32–144 kbps / 8–48 kHz, Apple Lossless (.mp4, .m4a): 16, 24 bit / 8–384 kHz, AIFF (.aif, .aiff, .afc, .aifc): 16, 24, 32 bit / 8–384 kHz, DSD (.dsf, .dff): 1 bit / 2.8224, 5.6448, 11.2896 MHz *Audio that is converted to Linear PCM is output., APE (.ape): 8, 16, 24 bit / 8–192 kHz (Fast, Normal, High), MQA (.mqa.flac): Supported
Audio Playback Notes	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. Files that are 4 GB (APE is 2 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. For sampling frequency over 352.8 kHz, it will be down converted to a lower frequency for playback.
Display Resolution	3.1" (7.8 cm), WVGA (800 x 480 Pixels)
Display Type	TFT color display with white LED-backlight
Drag and Drop	Yes
FM Tuner	Yes
Music Play Mode	Shuffle Playback, Repeat Off, Repeat 1 Song, Repeat All, All Range, Selected Range
Music Searching Methods	All Songs, Artist, Release Year, Playlists, Album, Genre, Composer, Hi-Res, Recent Transfers, SensMe Channels, Folder
Photo Playback Notes	-
Sound Effects	6 Band equalizer, DSEE HX, DC Phase Linearizer, Dynamic Normalizer, VPT, ClearAudio+, Clear Phase, Vinyl Processor
Power	



Battery Life - Continuous Playback Music	MP3 (128 kbps) / Ambient Sound Mode ON: Approx. 30 hrs, MP3 (128 kbps) / Ambient Sound Mode OFF: Approx. 45 hrs, AAC (256 kbps) / Ambient Sound Mode ON: Approx. 27 hrs, AAC (256 kbps) / Ambient Sound Mode OFF: Approx. 39 hrs, FLAC (96 kHz / 24 bit) / Ambient Sound Mode ON: Approx. 27 hrs, FLAC (96 kHz / 24 bit) / Ambient Sound Mode OFF: Approx. 39 hrs, FLAC (192 kHz / 24 bit) / Ambient Sound Mode ON: Approx. 23 hrs, FLAC (192 kHz / 24 bit) / Ambient Sound Mode OFF: Approx. 30 hrs, DSD (2.8224 MHz / 1 bit) / Ambient Sound Mode ON: Approx. 20 hrs, DSD (2.8224 MHz / 1 bit) / Ambient Sound Mode OFF: Approx. 25 hrs, MP3 (128 kbps) / Noise Cancel ON: Approx. 37 hrs, MP3 (128 kbps) / Noise Cancel OFF: Approx. 45 hrs, AAC (256 kbps) / Noise Cancel ON: Approx. 33 hrs, AAC (256 kbps) / Noise Cancel OFF: Approx. 39 hrs, FLAC (96 kHz / 24 bit) / Noise Cancel ON: Approx. 32 hrs, FLAC (96 kHz / 24 bit) / Noise Cancel OFF: Approx. 39 hrs, FLAC (192 kHz / 24 bit) / Noise Cancel ON: Approx. 27 hrs, FLAC (192 kHz / 24 bit) / Noise Cancel OFF: Approx. 30 hrs, DSD (2.8224 MHz / 1 bit) / Noise Cancel ON: Approx. 22 hrs, DSD (2.8224 MHz / 1 bit) / Noise Cancel OFF: Approx. 25 hrs, MP3 (128 kbps) / SBC (Connection): Approx. 20 hrs, FLAC (96 kHz / 24 bit) / LDAC Connection Preferred (Auto): Approx. 13 hrs, SBC (Connection): Approx. 15 hrs, LDAC (Sound Quality): Approx. 12 hrs
Battery Life — Continuous Playback Music Notes	The values shown in this topic are the approximate battery life when content is played continuously at the default settings. 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 settings, conditions of use and ambient temperature. The battery is consumed considerably when the screen is on. The battery life may become about 70% shorter when some of the sound quality settings are active.
Built-in battery	Built-in Rechargeable lithium-ion Battery
Charging Time (Quick Charge)	-
Charging Time (full charge)	Approx. 4 hrs
Charging and Power supply	USB power (from a computer via a USB)
<b>Size &amp; Weight</b>	
Dimensions (W x H x D)	Approx. 2.20 inches x 3.84 inches x 0.43 inches (55.7 mm x 97.3 mm x 10.8 mm)
Weight	Approx. 3.50 oz (99 g)
<b>Software</b>	
Operating System	Sony original OS



## Storage Media

Memory Size	16 GB, Micro SD Micro SDHC Micro SDXC
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1. Actual performance varies based on settings, environmental conditions, and usage. Battery capacity decreases over time and use.
2. Interoperability and compatibility among Bluetooth® devices vary.

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