

SONY

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Specification Sheet for Walkman® W Series: NWZ-W250

Specifications		NWZ-W252		
Supported file format				
Music	Audio Formats (Codec)	MP3	Media File format: MP3(MPEG-1 Layer3) file format File extension: .mp3 Bit rate: 32 to 320kbps (Supports variable bit rate (VBR)) Sampling frequency *1: 32, 44.1, 48kHz	
		WMA	Media File format: ASF file format File extension: .wma Bit rate: 32 to 192kbps (Supports variable bit rate (VBR)) Sampling frequency *1 : 44.1kHz * Compatible with WM-DRM 10	
		AAC-LC*2	Media File format: MP4 file format File extension: .mp4, .m4a, .3gp Bit rate: 16 to 320kbps (Supports variable bit rate (VBR))*3 Sampling frequency *1: 8,11.025, 12, 16, 22.05, 24, 32, 44.1, 48kHz	
		Linear PCM	Media File format: Wave-Riff file format File extension: .wav Bit rate: 1411kbps Sampling frequency *1: 44.1kHz	
Notes (Supported file format)		*1 Sampling frequency may not correspond to all encoders. *2 Copyright protected AAC-LC files cannot be played back. *3 Non-standard bit rates or non-guaranteed bit rates are included depending on the sampling frequency.		
Maximum recordable number of songs and time (Approx.) ¹		Bitrates	number of songs	recordable time (Approx. H:M)
		48kbps	1,250	83:20
		64kbps	940	62:40
		128kbps	470	31:20
		256kbps	235	15:40
		320kbps	185	12:20
		1411kbps (Linear PCM)	40	2:40
Capacity (User available capacity)*1		2GB Approx. 1.68GB = 1,812,660,224 bytes		
Notes (capacity)		*1 Available storage capacity of the player may vary. A portion of the memory is used for data management functions.		
Interface		USB miniB connector Hi-Speed USB(USB 2.0 compliant)		
Operating temperature		5 °C to 35 °C (41 °F to 95 °F)		
Power Source		Built-in Rechargeable lithium-ion Battery USB power (from a computer via the supplied USB cable)		
Charging Time		USB-based charging Approx. 1.5 hours		
Battery life (continuous)	MP3 128kbps	approx. 11Hrs		
	WMA 128kbps	approx. 11Hrs		

¹ Based on 4 minutes per song approximately in MP3 format.

playback)	AAC-LC 128kbps	approx. 9Hrs
	Linear PCM 1411kbps	approx. 11Hrs
Mass	Approx. 43g (Approx. 1.6 oz)	
System Requirements	<p>• Computer: IBM PC/AT or compatible computer preinstalled with the following Windows operating systems*1:</p> <ul style="list-style-type: none"> - Windows XP Home Edition (Service Pack 2 or later) - Windows XP Professional (Service Pack 2 or later)*2 - Windows Vista Home Basic (Service Pack 1 or later) - Windows Vista Home Premium (Service Pack 1 or later) - Windows Vista Business (Service Pack 1 or later) - Windows Vista Ultimate (Service Pack 1 or later) - Windows 7 Home Basic - Windows 7 Home Premium - Windows 7 Professional - Windows 7 Ultimate <p>Not supported by OSs other than above *1 Excluding OS Versions not supported by Microsoft *2 Excluding 64-bit OS Versions</p>	
	<p>• CPU: Pentium III 450MHz or higher for Windows XP/800MHz or higher for Windows Vista/1GHz or higher for Windows 7 • RAM: 256MB or more for Windows XP/512MB or more for Windows Vista/1GB or more for Windows 7 32-bit versions/2GB or more for Windows 7 64-bit versions • Hard Disk Drive: 380MB or more of available space • Display: - Screen Resolution:800 x 600 pixels (or higher)(recommended 1,024 x 768 or higher) -Colors:8 bit or higher (16 bit recommended) • CD-ROM drive(supporting Digital Music CD playback capabilities using WDM) To create original CDs, a CD-R/RW drive is required. • Sound board • USB port (Hi-Speed USB is recommended)</p>	
	<p>• Internet Explorer 7.0 or 8.0 and Windows Media Player 11or 12 are required. • Broadband Internet connection is required to use Electronic Music Distribution (EMD) or to visit the web site.</p> <p>We do not guarantee operation for all computers even if they meet the above System Requirements.</p> <p>Not supported by the following environments: -Personally constructed computers or operating systems -An environment that is an upgrade of the original manufacturer-installed operating system -Multi-boot environment -Multi-monitor environment -Macintosh</p>	
Colors	BLACK, WHITE, PINK, LIME GREEN	
Target folder in Drag and Drop		
Music	MUSIC	Playbackable files: within 8th level in "MUSIC" folder
Features		
PC Connection	Hi-Speed USB (USB 2.0 compliant) USB miniB	
Music Searching Methods	N/A	
Initial Search	N/A	

Music Play Mode	Repeat / Shuffle&Repeat
Clear Audio	EX Headphone
Sound Guidance	English
Firmware	Upgradable
Quick Charge	3minutes charge/ up to 90minutes play back (MP3 128kbps)
Maximum Power Output	5+5mW
Water resistant	IPX5 (IEC60529)
Supplied Accessories	Ear Buds(S/L), Stand with USB cable, Holder, Operation Guide

Specification Sheet for Walkman® B150F Series

Specifications		NWZ-B152F	NWZ-B153F		
Audio Formats (Codec)	MP3	Media File format: MP3(MPEG-1 Layer3) file format File extension: .mp3 Bit rate: 32 to 320kbps (Supports variable bit rate (VBR)) Sampling frequency *1: 32, 44.1, 48kHz			
	WMA	Media File format: ASF file format File extension: .wma Bit rate: 32 to 192kbps (Supports variable bit rate (VBR)) Sampling frequency *1 : 44.1kHz			
Notes (Supported file format)		*1 Sampling frequency may not correspond to all encoders.			
Maximum recordable number of songs and time (Approx.) ²	Bitrates	NWZ-B152F		NWZ-B153F	
		number	time[H:M]	number	time[H:M]
	48kbps	1,250	83:20	2,550	170:00
	64kbps	950	63:20	1,950	130:00
	128kbps	470	31:20	980	65:20
	256kbps	240	16:00	490	32:40
320kbps	190	12:40	390	26:00	
Maximum recordable number of files or folders(Approx.)		Files:2640,Folders:500			
Capacity (User available capacity)		2GB		4GB	
		Approx. 1.73GB =1853587456bytes		Approx. 3.54GB =3798007808bytes	
Notes (capacity)		*1 Available storage capacity of the player may vary. A portion of the memory is used for data management functions.			
Output (headphones)		Frequency response 20 to 20,000 Hz(when playing data file, single signal measurement)			
FM radio (NWZ-B142F/B143F only)		<ul style="list-style-type: none"> • Preset: 30 presets • FM Frequency range 87.5 to 108.0 MHz The frequency is changed by 0.1MHz. 			
Antenna		Headphone cord antenna			
Interface		Headphone: Stereo mini-jack Hi-Speed USB(USB 2.0 compliant)			
Operating temperature		5 'C to 35 'C (41 'F to 95 'F)			

² Based on 4 minutes per song approximately in MP3 format

Power Source	Built-in 170 mAh rechargeable lithium-ion battery USB power (from a computer via a USB connector of the player)
Battery life	Approx. 18hours ³
Charging Time	USB-based charging Approx. 70 minutes
Display	3-line LCD
Dimension(w/h/d)	90.9 x 23.3 x 15.2mm (3-5/8 x 15/16 x 5/8 inches)
Mass	Approx. 28 g (Approx. 1.0 oz)
Supplied Items	<ul style="list-style-type: none"> • Headphones (1) • Quick Start Guide (1) <p>The following folders are stored in the [Storage Media] folder of the memory of the player. The following items (PDF files and shortcuts) are included in these folders.</p> <ul style="list-style-type: none"> • [Operation Guide]*1 folder Contains PDF files of the Operation Guide. • [Support] folder Contains shortcut icons to “Customer Support” and “Customer Registration” in the country/region folders. • [PC_Application_Software] folder Contains a shortcut icon to the Windows Media Player 11 download site. If you use Windows Media Player 10 or less on your computer, download Windows Media Player 11 from this web site. <p>*1 PDF files named [xxx_NWZB150.pdf] in this folder are the Operation Guide. The language name is displayed in the place of “xxx.” Choose the manual of your language.</p>
System Requirements(for the player)	<ul style="list-style-type: none"> • Computer: IBM PC/AT or compatible computer preinstalled with the following Windows operating systems*1: <ul style="list-style-type: none"> - Windows XP Home Edition (Service Pack 2 or later) - Windows XP Professional (Service Pack 2 or later) - Windows Vista Home Basic (Service Pack 1 or later) - Windows Vista Home Premium (Service Pack 1 or later) - Windows Vista Business (Service Pack 1 or later) - Windows Vista Ultimate (Service Pack 1 or later) - Windows 7 Home Basic - Windows 7 Home Premium - Windows 7 Professional - Windows 7 Ultimate <p>Supported 64 bit version OS for Windows Vista.& Windows7 Not supported by OSs other than above *1 Excluding OS Versions not supported by Microsoft.</p>
Memory	Flash
Colors	Black/Red/Blue/Pink/Gold (Handling colours varies in each countries)
Target folder in Drag and Drop	
Music	Playbackable files: within 8th level in "MUSIC" folder
features	
PC Connection	Hi-Speed USB
USB mode	MSC / MTP
Power illuminater	YES
Music Searching Methods	Folder/All Songs/Artist/Album/Playlists/Genre/Release Year
Initial Search	none

³ 18 hours of music playback with MP3 files at 128 kbps, screen on 'Save ON Super', sound effects: Equalizer 'None', Bass: Deactivated, Power Illuminator: 'LED OFF'.

Music Play Mode	Normal / Repeat All / Repeat 1 Song / Repeat Shuffle All
Clear Audio	none
Zappin	Short /Long
Menu Language	English/Español/Français/Português/Русский/简体中文/繁體中文/한글
Sound Effects (Available for Music Playback Only)	Bass Boost / 5Band equalizer (Heavy/Pop/Jazz/Unique/Custom)
Theme Settings	none
Wallpaper Settings	none
Firmware	Upgradable
3-min Charge 90-min Playback	Yes
Headphone	MDR-E804Y
Maximum Power Output 16 ohms/mW	5mW+5mW
Screen direction	Horizontal only
Water Proof	none
Supplied Accessories	Headphones, Quick Start Guide