

SONY

make.believe

2 International Business Park #05-10 Tower One The Strategy Singapore 609930

Telephone: (65) 6544 8338 Facsimile: (65) 6544 8330

Specification Sheet

		NWZ-S744	NWZ-S745
Supported file format			
Music (Including podcasts*1)	Audio Formats(Code c)	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 *2: 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 *2 : 44.1kHz * Compatible with WM-DRM 10
		AAC-LC*3	Media File format: MP4 file format File extension: .mp4, .m4a, .3gp Bit rate: 16 to 320kbps (Supports variable bit rate (VBR))*4 Sampling frequency *2: 8,11.025, 12, 16, 22.05, 24, 32, 44.1, 48kHz
		Linear PCM	Media File format: Wave-Riff file format File extension: .wav Bitrate: 1,411kbps Sampling frequency *2: 44.1kHz
Video (Including podcasts*1)	Video Formats(Code c)		Frame rate : Max 30 fps Resolution : Max 720 x 480 *5
		AVC(H.264/AV C)	Media File format: MP4 file format, "Memory Stick" video format File extension: .mp4, .m4v Profile : Baseline Profile Level : 1.2, 1.3, 2, 2.1, 2.2, 3 Bitrate : Max 10 Mbps
		MPEG-4	Media File format: MP4 file format, "Memory Stick" video format File extension: .mp4, .m4v Profile : Simple Profile Bitrate : Max 6 Mbps
	Windows Media Video 9 *6	Media File format: ASF file format File extension: .wmv Profile: VC1 simple profile, main profile Bitrate : Max 6 Mbps	
	Audio Formats(Code c)	AAC-LC (for AVC, MPEG-4)	Channel number : Max 2 channels Sampling frequency *2 : 24, 32, 44.1, 48 kHz Bit rate : Max 288kbps / channel
		WMA (for Windows Media Video 9)	Bit rate: 32 to 192kbps (Supports variable bit rate (VBR)) Sampling frequency *2 : 44.1kHz * Compatible with WM-DRM 10
	File size		Max. 2GB
The number of files		Max. 2,000	

Photo*7	Photo Format(Codec)	JPEG	Media File format: Compatible with DCF 2.0/Exif 2.21file format File extension: .jpg Profile : Baseline Profile Number of pixels:Max. 4,096 x 4,096 pixcels(16,000,000 pixels)																																					
The number of files			Max. 20,000																																					
Notes (Supported file format)			<p>*1 The maximum recordable number of podcasts is 10,000. *2 Sampling frequency may not correspond to all encoders. *3 Copyright protected AAC-LC files cannot be played back. *4 Non-standard bit rates or non-guaranteed bit rates are included depending on the sampling frequency. *5 These numbers indicate the maximum resolution of playable video, and do not indicate the player's display resolution. The display resolution is 320 x 240. *6 Some WMV files can be played back only by transferring using Windows Media Player 11. *7 Some photo files cannot be played back, depending on their file formats.</p>																																					
Maximum recordable number of songs and time (Approx.)			<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">NWZ-S744</th> <th colspan="2">NWZ-S745</th> </tr> <tr> <th>no</th> <th>time[H:M]</th> <th>no</th> <th>time[H:M]</th> </tr> </thead> <tbody> <tr> <td>48kbps</td> <td>4,950</td> <td>330:00</td> <td>10,000</td> <td>666:40</td> </tr> <tr> <td>64kbps</td> <td>3,650</td> <td>243:20</td> <td>7,450</td> <td>496:40</td> </tr> <tr> <td>128kbps</td> <td>1,800</td> <td>120:00</td> <td>3,700</td> <td>246:40</td> </tr> <tr> <td>256kbps</td> <td>925</td> <td>61:40</td> <td>1,850</td> <td>123:20</td> </tr> <tr> <td>320kbps</td> <td>740</td> <td>49:20</td> <td>1,500</td> <td>100:00</td> </tr> </tbody> </table>					NWZ-S744		NWZ-S745		no	time[H:M]	no	time[H:M]	48kbps	4,950	330:00	10,000	666:40	64kbps	3,650	243:20	7,450	496:40	128kbps	1,800	120:00	3,700	246:40	256kbps	925	61:40	1,850	123:20	320kbps	740	49:20	1,500	100:00
	NWZ-S744		NWZ-S745																																					
	no	time[H:M]	no	time[H:M]																																				
48kbps	4,950	330:00	10,000	666:40																																				
64kbps	3,650	243:20	7,450	496:40																																				
128kbps	1,800	120:00	3,700	246:40																																				
256kbps	925	61:40	1,850	123:20																																				
320kbps	740	49:20	1,500	100:00																																				
Maximum recordable time of videos (Approx.)			<table border="1"> <thead> <tr> <th rowspan="2">Video</th> <th>NWZ-S744</th> <th>NWZ-S745</th> </tr> </thead> <tbody> <tr> <td>Video</td> <td>8GB</td> <td>16GB</td> </tr> <tr> <td>Video Format: 384kbps Music Format: 128kbps</td> <td>29:20</td> <td>59:40</td> </tr> <tr> <td>Video Format: 768kbps Music Format: 128kbps</td> <td>16:40</td> <td>34:00</td> </tr> </tbody> </table>				Video	NWZ-S744	NWZ-S745	Video	8GB	16GB	Video Format: 384kbps Music Format: 128kbps	29:20	59:40	Video Format: 768kbps Music Format: 128kbps	16:40	34:00																						
Video	NWZ-S744	NWZ-S745																																						
	Video	8GB	16GB																																					
Video Format: 384kbps Music Format: 128kbps	29:20	59:40																																						
Video Format: 768kbps Music Format: 128kbps	16:40	34:00																																						
Battery Life (continuous playback)			<p>Actual battery life may vary depending on settings. The estimated battery usage hours shown below are based on typical usage conditions with "Basic setting of battery life measurement (Longer battery life setting)" as shown in the table below. Note that 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.</p> <table border="1"> <thead> <tr> <th>Music</th> <th>NWZ-S744/S745</th> </tr> </thead> <tbody> <tr> <td>MP3 128kbps</td> <td>approx. 42Hrs</td> </tr> <tr> <td>WMA 128kbps</td> <td>approx. 43Hrs</td> </tr> <tr> <td>AAC-LC 128kbps</td> <td>approx. 42Hrs</td> </tr> </tbody> </table>				Music	NWZ-S744/S745	MP3 128kbps	approx. 42Hrs	WMA 128kbps	approx. 43Hrs	AAC-LC 128kbps	approx. 42Hrs																										
Music	NWZ-S744/S745																																							
MP3 128kbps	approx. 42Hrs																																							
WMA 128kbps	approx. 43Hrs																																							
AAC-LC 128kbps	approx. 42Hrs																																							

	Linear PCM 1411kbps	approx. 37Hrs
	Video	NWZ-S744/S745
	MPEG-4 384kbps	approx. 10Hrs
	AVC Baseline 384kbps	approx. 10Hrs
	WMV 384kbps	approx. 10Hrs
	FM	NWZ-S744/S745
		approx. 20Hrs
Maximum recordable number of photos that can be transferred (Approx.)	Max. 20,000 Recordable number of photos may be less depending on file sizes.	
Capacity (User available capacity)*1	8GB Approx. 6.99GB = 7,513,243,648bytes	16GB Approx. 14.1GB = 15,224,668,160bytes
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)	
Noise Canceling function	Yes	
Total Noise Suppression Ratio*1	10dB*2	
	*1 Under the Sony measurement standard. *2 Equivalent to approx. 90.0% reduction of energy of sound compared with not wearing headphones.	
FM radio	FM Frequency range 87.5 to 108.0 MHz	
IF(FM)	128kHz	
Antenna	Headphone cord antenna	
Interface	Headphone:Stereo mini-jack WM-PORT(multiple connecting terminal):22 pins 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. 3 hours(full charge), Approx. 1.5 hours(approx. 80%)	
Display	2-inch, TFT color display with white LED-backlight, QVGA(240 x 320 Pixels), 262,144 colors	
Dimension(w/h/d)	41.0 x 92.0 x 7.9 mm (1 5/8 x 3 5/8 x 5/16 inches)	

Mass	Approx. 53g (Approx. 1.9 oz)
Supplied items	<p>Headphones (1) USB cable (1) Earbuds (Size S, L) (1) Attachment (1) Use when connecting the player to the optional cradle, etc. Audio input cable (1) Plug adaptor for in-flight use (single/dual) (1) Quick Start Guide (1) Software (1) The software is stored in the built-in flash memory of the player, and includes the following items</p> <ul style="list-style-type: none"> - Content Transfer - WALKMAN Guide - Operation Guide, etc.
System Requirements	<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) Supported 64 bit version OS for Windows Vista Not supported by OSs other than above *1 Excluding OS Versions not supported by Microsoft.
	<ul style="list-style-type: none"> • CPU: PentiumR III 450MHz or higher (PentiumRIII 800MHz or higher for Windows VistaR) •RAM: 256MB or more (512MB or more for Windows VistaR) •Hard Disk Drive: 380MB or more of available space •Display: <ul style="list-style-type: none"> - 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) •Sound board •USB connector (Hi-Speed USB is recommended) •Internet Explorer 7.0 and Windows Media Player 11 are required. •Broadband Internet connection is required to use Electronic Music Distribution (EMD) or to visit the web site. We do not guarantee operation for all computers even if they meet the above System Requirements. Not supported by the following environments: <ul style="list-style-type: none"> -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 Design and specifications are subject to change without notice.
Memory	Flash
Color	Black
Use	Music/Video/Photo/FM/Podcast

Podcast *5	Supported file format	Music	same as above "Music" supported format
		Video	same as above "Video" supported format
	The number of files		Max.10,000
Target folder in Drag and Drop			
Music	MUSIC		Playbackable files: within 8th level in "MUSIC" folder
Video	VIDEO		Playbackable files: within 2nd level in "VIDEO" folder
Photo	PICTURE PICTURES DCIM		Playbackable files: within 2nd level in "PICTURE", "PICTURES" and "DCIM" folder
Podcast	PODCASTS		Playbackable files: 2nd level in "PODCASTS" folder
Features			
PC Connection		Hi-Speed USB WM-PORT(22pin)	
Music Searching Methods		All Songs/Album/Artist/Genre/Release Year/Folder/Playlists	
Video searching Methods		All Videos/<VIDEO>	
Scene Scroll		Yes	
Photo Searching Methods		All Photos/<DCIM>/<PICTURE>/<PICTURES>	
Index Initial Search		All Songs/Album/Artist	
Music Play Mode		Normal / Repeat / Shuffle / Shuffle&Repeat / Repeat 1 Song Playback Range Selection(All Range / Selected Range) Laanguage learning mode	
Video Play Mode		Normal (Continuous playback function is not supported)	
Photo Play Mode		Normal (Slide show function is not supported)	
Podcast Play Mode		Normal (Continuous playback is not supported)	
CD Cover Art Display		Searching / Now Playing / Album Scroll	
Clear Audio		DSEE/Clear Stereo/Clear Bass/EX Headphone/Noise Canceling	
Noise Canceling		Yes	
		Noise Canceling Modes	Normal Mode / Quiet Mode / External Input Mode
Menu Language		English/French/German/Spanish/Italian/Russian/ Japanese/Simplified Chinese/Traditional Chinese/Korean/Portuguese. Japanese setting is not supported	
Sound Effects (Available for Music Playback Only)		DSEE(On/Off)	
		5Band equalizer (Heavy/Pop/Jazz/Unique/Custom 1/Custom 2) & Clear Bass	
		VPT(Studio/Live/Club/Arena/Matrix/Karaoke)	
		Clear Stereo(On/Off)	
		Dynamic Normalizer(On/Off)	
		DPC(Speed Control)(x0.5/x0.75/x0.9/Off/x1.1/x1.25/x1.5/x1.75/x2.0)	
Wallpaper Settings		Yes (Apply only for Home menu screen)	

Screen Off Timer	Yes (Off/After 15sec/After 30sec/After 1Min/After 3Min/After 5Min/After 30Min)
Headphone	MDR-NC033(105cm)
Maximum Power Output 16 ohms/mW	5+5mW
Screen direction	Portrait orientation (Landscape orientation during video play mode)
Water Proof	No
TV Output(Music/Video)	Yes* * the optional video/audio output cable (WMC-NWV10) needed.