

MZ-N1

SONY

Net MD™ Walkman® Player/Recorder

- ▶ **HIGH SPEED NET MD™ WALKMAN® PLAYER/RECORDER**
 - ▶ **RECORD YOUR MP3S OR CDS AT UP TO 32x SPEED***
 - ▲ **FULL MAGNESIUM BODY**
 - ▲ **USB CRADLE FOR CHARGING AND EASY PC CONNECTION**
 - ▲ **3 LINE DOT MATRIX LCD DISPLAY**
 - **RECHARGEABLE BATTERY (NH-14WM(A)) AND AC ADAPTER SUPPLIED**
 - ▲ **BACKLIT LCD REMOTE WITH EDITING FUNCTIONS SUPPLIED**
 - **UTILIZES AFFORDABLE MD MEDIA FOR OVER 5 HOURS OF MUSIC STORAGE ON ONE 80 MINUTE DISC**
 - **UP TO 110 HOURS CONTINUOUS PLAYBACK WITH "AA" AND RECHARGEABLE BATTERY (LP4 MODE)**
 - ▶ **"EASY SKIP" GROUP/FOLDER FUNCTION**
 - **PLAYS BACK IN ATRAC3™; SUPPORTS MULTIPLE INTERNET AUDIO FORMATS (MP3, WMA, WAV)**
 - ▶ **COMPATIBLE WITH MICROSOFT® WINDOWS® 98/98SE/2000/Me/XP OPERATING SYSTEMS**
 - ▶ **MUSIC MANAGEMENT SOFTWARE SUPPLIED**
 - **NEW NET MD™ SIMPLE BURNER QUICK RIP™ CD DUBBING APPLICATION SUPPLIED**
 - **ABILITY TO RECORD FROM MULTIPLE SOURCES (PC, PORTABLE CD, HOME CD UNIT, RADIO)**
 - **MDLP™ LONG TIME STEREO RECORDING AND PLAYBACK (UP TO 320 MINUTES/OVER 5 HOURS OF MUSIC) ON ONE 80 MINUTE DISC**
 - **ULTIMATE SKIP-FREE** G-PROTECTION™**
 - **PERSONAL DISC MEMORY**
 - **DIGITAL SOUND PRESET**
 - **AUTOMATIC END SEARCH RECORDING FUNCTION**
- ▲ **STEP-UP FEATURE** ▶ **NEW FEATURE**



features

- ▶ **HIGH SPEED NET MD WALKMAN® PLAYER/RECORDER** provides ability to transfer internet downloads and music ripped from your CDs, creating your own MiniDisc music mixes for on-the-go enjoyment
- ▶ **RECORD YOUR MP3S OR CDS AT UP TO 32x SPEED*** The breakthrough with Net MD products is high speed transfer from your PC to MD, providing up to 32x speed transfer directly to the recorder. The title/track information you create in the jukebox automatically will be transferred to the Net MD Recorder.
- ▲ **FULL MAGNESIUM BODY** is ultra-thin, ultra lightweight, and is produced by an advanced manufacturing process that results in exceptional portability and high durability
- ▲ **USB CRADLE FOR CHARGING AND EASY PC CONNECTION** connects unit directly to PC and recharges the supplied NH-14WM[A] battery by simply placing the MD Walkman player into the USB cradle when cradle is powered with supplied AC Adaptor
- ▲ **3 LINE DOT MATRIX LCD DISPLAY** features track number, MDLP recording mode, elapsed time, song title, artist name, play mode, depending on the mode chosen
- **RECHARGEABLE BATTERY (NH-14WM[A]) AND AC ADAPTER SUPPLIED** offers great savings and convenience over disposable batteries
- ▲ **BACKLIT LCD REMOTE WITH EDITING FUNCTIONS SUPPLIED** provides direct access to the player's functions and is easy to see even in low light
- **UTILIZES AFFORDABLE MD MEDIA FOR OVER 5 HOURS OF MUSIC STORAGE ON ONE 80 MINUTE DISC** Net MD Walkman player lets you play MiniDiscs recorded in SP (Standard), LP2 or LP4 modes, for as much as 320 minutes (over 5 hours) of music with excellent sound quality; MiniDiscs are re-recordable, scratch-resistant, low-cost high-capacity media
- **UP TO 110 HOURS CONTINUOUS PLAYBACK WITH RECHARGEABLE BATTERY AND 1 SONY "AA" ALKALINE BATTERY (IN LP4 MODE)** is a result of highly advanced Sony engineering and applied technology, providing longest battery life
- ▶ **"EASY SKIP" GROUP/FOLDER FUNCTION** allows for easy navigation between multiple file folders transferred from playlist
- **PLAYS BACK IN ATRAC3™, SUPPORTS MULTIPLE INTERNET AUDIO FORMATS (MP3, WMA, WAV)**
- ▶ **COMPATIBLE WITH MICROSOFT® WINDOWS® 98/98SE/2000/Me/XP**
- ▶ **MUSIC MANAGEMENT SOFTWARE SUPPLIED** to manage and store your digital music files (MP3s and your CDs), make custom playlists, and transfer music directly to your Net MD™ Walkman player
- **NEW NET MD SIMPLE BURNER QUICK RIP™ CD DUBBING APPLICATION (SUPPLIED)** allows you to swiftly and easily dub music tracks from your CDs directly to the Net MD Walkman player with no need to store files or manage music on the hard drive
- **ULTIMATE SKIP FREE** G-PROTECTION™ TECHNOLOGY** Ultimate Skip Free G-Protection technology is Sony's 3rd generation of shock protection that combines a lighter servo mechanism and improved electronic circuitry, offering more protection against virtual shock and providing skip free playback performance under the roughest conditions. Ultimate Skip Free G-Protection technology adds shock protection to the pick-up mechanism, thereby minimizing the loss of position. Ultimate Skip Free G-Protection technology continues to provide quick recovery from both horizontal and vertical shock

- **ABILITY TO RECORD FROM MULTIPLE SOURCES** including PC, portable CD player, home CD unit and radio, making this a most versatile system
- **MDLP™ LONG TIME STEREO RECORDING AND PLAYBACK (UP TO 320 MINUTES/OVER 5 HOURS OF MUSIC) ON ONE 80 MINUTE DISC** lets you record 2x (LP2) or 4x (LP4) longer on an 80-minute MiniDisc to provide as much as 320 minutes (over 5 hours) of music with excellent sound quality
- **PERSONAL DISC MEMORY** stores your preferred settings for listening volume and other functions when playing your favorite MiniDiscs
- **DIGITAL SOUND PRESET** lets you recall the sound quality settings you like for listening to different discs
- **AUTOMATIC END SEARCH RECORDING FUNCTION** informs you, with the press of a button, how much unrecorded time remains on a disc and begins additional recording from that point

specifications

FORMAT: Digital Audio MiniDisc System

SAMPLING FREQUENCY: 44.1 kHz

DATA COMPRESSION METHOD (CODING): ATRAC™/ATRAC3 (Adaptive Transform Acoustic Coding)

FREQUENCY RESPONSE: 20-20,000Hz +/-3dB

WOW AND FLUTTER: Unmeasurable

INPUT: DC In, 3V

USB (Connection with USB Cradle)

Optical Line In (stereo mini jack)

Mic In (plug-in power, stereo mini)

OUTPUTS: Headphones/Remote (stereo mini jack)

POWER REQUIREMENTS: NH-14WM NiMH[A] Rechargeable Battery (supplied)

AC Adaptor (AC-ES305) (supplied)

"AA" Alkaline Battery x 1 via battery case (optional)

BATTERY LIFE (APPROX.):

	Record	Continuous Playback
SP (Normal Stereo)		
NH-14WM[A]	12 hrs	30 hrs
1 x "AA" Alkaline	12 hrs	44 hrs
NH-14WM[A] w/1 x "AA" Alkaline	30 hrs	79 hrs
LP2		
NH-14WM[A]	17 hrs	38 hrs
1 x "AA" Alkaline	19 hrs	52 hrs
NH-14WM[A] w/1 x "AA" Alkaline	43 hrs	95 hrs
LP4		
NH-14WM[A]	21 hrs	42 hrs
1 x "AA" Alkaline	23 hrs	62 hrs
NH-14WM[A] w/1 x "AA" Alkaline	52 hrs	110 hrs

COLOR: Silver

DIMENSIONS (WHD): 3" x 2 7/8" x 5/8" (77.7 x 71.4 x 16.4mm)

WEIGHT: 3 oz (87g) without battery

SUPPLIED ACCESSORIES: AC-ES305 AC Power Adaptor, NH-14WM[A] NiMH Rechargeable battery, USB Cradle, LCD Remote (RM-MC11EL/S), MDR-A34SP Stereo Headphones, Digital Connecting Cable, USB Cable, CD-ROM Including OpenMG Jukebox ver. 2.2 w/Net MD™ Simple Burner, Blank Re-Recordable MiniDisc x 1

OPTIONAL ACCESSORIES: POC-15AB/15B Optical Digital Cable, ECM-717/-MS907/-MS957 Stereo Microphone, DCC-E230/-E34 Car Battery Cord

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Features and specifications are subject to change without notice. Non-metric weights and measures are approximate.

MiniDisc products sold by manufacturer-authorized outlets include the Serial Copy Management System which will not prevent you from making a direct digital-to-digital copy from a digital source but such copies will prevent a second digital-to-digital copy from being made.

* When recording in LP4 mode — results vary based on PC specifications.

** Reduces or eliminates skipping during many active uses.