

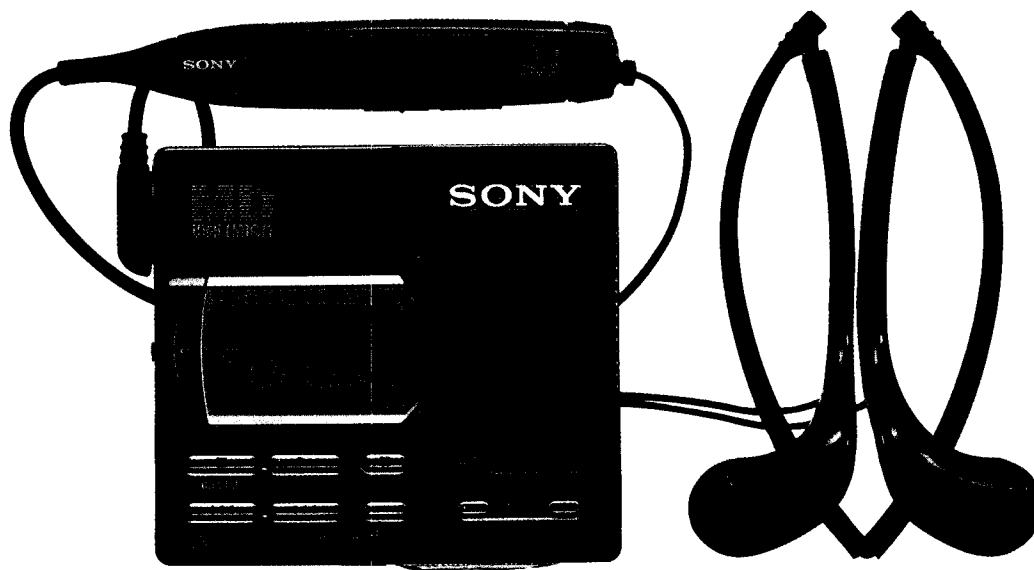
SONY

**FEATURES AND
SPECIFICATIONS SUBJECT
TO CHANGE WITHOUT
NOTICE**

MZ-R90

MD WALKMAN® PLAYER/RECORDER

- **WORLD'S SMALLEST AND LIGHTEST RECORDING MD WALKMAN**
- **MAGNESIUM TOP COVER**
- **WORLD'S LONGEST PLAYBACK AND RECORDING TIME**
- **JOG LEVER FOR CONVENIENT EDITING OPERATION**
- **NAME BANK STORES UP TO 600 CHARACTERS**
- **DIGITAL RECORDING LEVEL CONTROL**
- **40 SECOND SHOCK RESISTANT MEMORY**
- **EASY POP-UP EJECT MECHANISM**
- **HIGH QUALITY RECORDING WITH DIGITAL AGC AUTOMATIC GAIN CONTROL**
- **CD TEXT TRANSFER CAPABLE**
- **NEW SLIM BACKLIT LCD STICK REMOTE**
- **RECHARGEABLE BATTERY (NH-14WM) AND AC ADAPTOR (AC-MZR55) SUPPLIED**
- **CHARACTER INPUT WHILE RECORDING**
- **BATTERY LEVEL INDICATOR ON UNIT LCD**
- **SAMPLING RATE CONVERTER**
- **DATE AND TIME STAMP FUNCTION**
- **DIGITAL MEGA BASS® SOUND SYSTEM**
- **DIGITAL SYNCHRO RECORDING**
- **DIGITAL CONNECTING CABLE SUPPLIED**
- **AVAILABLE IN BLUE**



MZ-R90

FEATURES

- **WORLD'S SMALLEST AND LIGHTEST RECORDING MD WALKMAN MODEL** combines the superb sound reproduction quality of digital technology with the ease and convenience of MiniDisc recording, in a unit less than an inch thick and virtually as small as a MiniDisc itself
- **MAGNESIUM TOP COVER** is rugged, durable, and ultra light weight for carrying convenience
- **WORLD'S LONGEST PLAYBACK AND RECORDING TIME** up to 14.5 hours Record and 29 hours Playback with 1 Sony "AA" Alkaline battery and Sony NH-14WM Rechargeable battery
- **JOG LEVER FOR CONVENIENT EDITING OPERATION** lets you move quickly through tracks and other available functions with the press of the jog lever, then select desired track or operation with just another press of the lever
- **NAME BANK STORES UP TO 600 CHARACTERS** for easy, fast recall with no need to re-enter information
- **DIGITAL RECORDING LEVEL CONTROL** allows you to manually achieve a consistent recording level on your MiniDisc no matter what the source of your recording
- **40 SECOND SHOCK RESISTANT MEMORY** resists bumps or vibrations while the laser scans ahead on the disc and stores 40 seconds of music in memory, for virtually skip-free playback
- **EASY POP-UP EJECT MECHANISM** ejects the MiniDisc media which allows easy insertion and removal while on the go
- **HIGH QUALITY RECORDING WITH DIGITAL AGC AUTOMATIC GAIN CONTROL** ensures proper recording levels through Automatic Gain Control to prevent overload distortion
- **CD TEXT TRANSFER CAPABLE** using an optional cable (RK-TXT1) and a CD Text-capable CD player, this feature allows CD text to be transferred onto MD during recording
- **NEW SLIM BACKLIT LCD STICK REMOTE** provides direct access to the player's functions, with backlit display of song title, disc title, playback status and battery function, and is easy to see even in low light, and has stereo mini-jack on remote for headphones
- **RECHARGEABLE BATTERY (NH-14WM) AND AC CHARGER (AC-MZR55) SUPPLIED** offering great savings and convenience over disposable batteries, and allows battery recharging operation from a standard household AC outlet

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<http://www.sony.com>

- **CHARACTER INPUT WHILE RECORDING** lets you create or modify individual track information as the MiniDisc is being recorded
- **BATTERY LEVEL INDICATOR ON UNIT LCD** shows you at a glance when battery power is low
- **SAMPLING RATE CONVERTER** allows MiniDisc recording from other digital media having different sampling frequencies, such as digital satellite systems and DAT, and automatically converts to MiniDisc rate
- **DATE AND TIME STAMP FUNCTION** automatically places a date and time marker on each recording for future reference
- **DIGITAL MEGA BASS® SOUND SYSTEM** provides rich, deep bass tones with digital signal processing for virtually inaudible harmonic distortion
- **DIGITAL SYNCHRO RECORDING** lets you make digital copies of CDs onto a MiniDisc* with synchronized operation that begins recording when digital input signal is received
- **DIGITAL CONNECTING CABLE SUPPLIED** for connecting to home digital preamplifier and to CD, DAT or digital satellite system unit
- **AVAILABLE IN BLUE** for a distinctive and stylish appearance

SPECIFICATIONS

FORMAT: Digital Audio MiniDisc System

SAMPLING FREQUENCY: 44.1kHz

SAMPLING RATE CONVERTER: From Optical-In: 32kHz, 44.1kHz, 48kHz

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

FREQUENCY RESPONSE: 20-20,000Hz ±3dB

WOW & FLUTTER: Unmeasurable

INPUTS: DC In, 3V Mic In, plug-in power, stereo mini jack
Optical Line In, stereo mini jack

OUTPUTS: Headphones/Remote: Stereo mini jack
Line out: stereo mini jack

POWER OUTPUT: 5mW/channel x 2 (@16 ohms)

POWER REQUIREMENTS: AC-MZR55 AC Adaptor (supplied)
NH-14WM NiMH Rechargeable Battery (supplied)
"AA" Battery x 1 (optional)
DCC-E230 Car Battery Cord (optional)

BATTERY LIFE (APPROX.): 6.5 hours Record/12 hours Playback with Sony NH-14WM x 1 Rechargeable Battery
4 hours Record/16.5 hours Playback with Sony "AA" x 1 alkaline battery
14.5 hours Record/29 hours Playback with Sony NH-14WM x 1 Rechargeable Battery plus Sony "AA" x 1 alkaline battery

COLOR: Blue

DIMENSIONS (WHD): 3 1/8" x 1 1/16" x 2 7/8" (78.9 x 17.3 x 72mm)

WEIGHT: 3.7 oz (105g) without batteries

SUPPLIED ACCESSORIES: RM-MZ25 Remote Control, Digital Connecting Cable, AC-MZR55 AC Power Adaptor, Dry Battery Case for "AA" battery x 1, NH-14WM Rechargeable Battery, MDR-A34SP Headphones, Carrying Pouch, Battery Case

OPTIONAL ACCESSORIES: RK-TXT1 Joint Text Cable, Sony "AA" Alkaline Battery x 1, POC-15AB/POC-15B Optical Digital Cable, ECM-717/MS907/MS957 Stereo Microphone, CPA-9C Car Cassette Adaptor, DCC-E230 Car Battery Cord, Active Mini Speakers

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*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.

† Recording time using "AA" alkaline batteries varies depending on brand

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