

**SONY**

FEATURES AND  
SPECIFICATIONS SUBJECT  
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# **MZ-B50**

## **MINIDISC PORTABLE RECORDER**

- **MINIDISC BUSINESS RECORDER**
- **BUILT-IN STEREO FLAT-MIC**
- **BUILT-IN FRONT SPEAKER**
- **LONG RECORDING TIME (UP TO 160 MINUTES IN THE MONAURAL MODE)**
- **EASY SEARCH FUNCTION**
- **VOICE OPERATED RECORDING (VOR)**
- **2 "AA" BATTERY OPERATION**
- **INCLUDES REMOTE CONTROL**



## MZ-B50

### FEATURES

- **MINIDISC BUSINESS RECORDER** applies the superb sound reproduction quality of digital technology with the ease and convenience of MiniDisc recording for the needs of business executives
- **BUILT-IN STEREO FLAT-MIC** records separate left and right channels in stereo and provides convenient recording versatility in various situations
- **BUILT-IN FRONT SPEAKER** has excellent sound quality to monitor tape playback
- **LONG RECORDING TIME (UP TO 160 MINUTES IN THE MONAURAL MODE)**
- **EASY SEARCH FUNCTION** allows easy Rewind or Fast Forward of a few seconds to find a specific location for playback
- **VOICE OPERATED RECORDING (VOR)** activates the recorder only when audible sound is present, conserving tape and eliminating soundless passages
- **2 "AA" BATTERY OPERATION**
- **INCLUDES REMOTE CONTROL**

### SPECIFICATIONS

**FORMAT:** MiniDisc

**SAMPLING FREQUENCY:** 44.1kHz

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

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# **MZ-E60**

**MD WALKMAN® PLAYER**

**FEATURES AND  
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- JACKET SIZE MD WALKMAN PLAYER
- 40 SECOND SHOCK RESISTANT MEMORY
- EASY POP-UP EJECT MECHANISM
- UP TO 12 HOURS PLAYBACK WITH 1 SONY "AA" ALKALINE BATTERY (LR6SG)
- NEW SLIM LCD STICK REMOTE
- BATTERY LEVEL INDICATOR ON REMOTE
- DIGITAL MEGA BASS® SOUND SYSTEM
- MULTIPLE PLAYBACK MODES INCLUDING NORMAL, REPEAT 1 / ALL / SHUFFLE
- AUTOMATIC VOLUME LIMITER SYSTEM (AVLS)
- AVAILABLE IN BLUE



## MZ-E60

### FEATURES

- **JACKET SIZE MD WALKMAN® PLAYER** slips easily and securely into jacket or coat pocket and is easy to hold and carry
- **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
- **UP TO 12 HOURS PLAYBACK WITH 1 "AA" SONY "AA" ALKALINE BATTERY (LR6SG)** is made possible by advanced technology that allows extended battery life beyond previous limits
- **NEW SLIM LCD STICK REMOTE** provides direct access to the player's functions, such as display of song title, disc title, playback status, and battery function; it also has a stereo mini jack on the remote for headphones
- **BATTERY LEVEL INDICATOR ON REMOTE** shows you at a glance when battery power is low
- **DIGITAL MEGA BASS® SOUND SYSTEM** provides rich, deep bass tones with digital signal processing for virtually inaudible harmonic distortion
- **MULTIPLE PLAYBACK MODES INCLUDING NORMAL, REPEAT 1/ALL/SHUFFLE** lets you play through a MiniDisc from start to end, or repeat one track or all tracks, or play tracks in random (shuffle) order
- **AUTOMATIC VOLUME LIMITER SYSTEM (AVLS)** maintains volume output below strong signal levels, for listener comfort
- **AVAILABLE IN BLUE** for a distinctive and stylish appearance

### SPECIFICATIONS

**FORMAT:** Digital Audio MiniDisc System

**SAMPLING FREQUENCY:** 44.1 kHz

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

**FREQUENCY RESPONSE:** 20–20,000Hz ±3dB

**WOW & FLUTTER:** Unmeasurable

**OUTPUTS:** Headphones/Remote: Stereo mini jack

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

**POWER REQUIREMENTS:** 1 x Sony "AA" (LR6SG) Alkaline Battery (optional)

**BATTERY LIFE (APPROX.):** 12 hours w/Sony "AA" (LR6SG) alkaline battery x 1

**COLOR:** Blue

**DIMENSIONS (WHD):** 3 1/4" x 1" x 3"  
(81 x 75 x 24mm)

**WEIGHT:** 3.4 oz (95g) without batteries

**SUPPLIED ACCESSORIES:** MDR-A34SP/01 Headphones, RM-MZ2N LCD Remote Control, Carrying Pouch

**OPTIONAL ACCESSORIES:** CPA-9C Car Cassette Adaptor, DCC-E215 Car Battery Cord, Active Mini Speakers

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# **MZ-E75**

**MD WALKMAN® PLAYER**

- SLIM AND LIGHTWEIGHT JACKET SIZE MD WALKMAN PLAYER
- DUAL HEADPHONE JACK
- 40 SECOND SHOCK RESISTANT MEMORY
- EASY POP-UP EJECT MECHANISM
- UP TO 32 HOURS PLAYBACK WITH RECHARGEABLE BATTERY (NC-6WM) AND 1 SONY "AA" ALKALINE BATTERY (LR65G)
- "AA" BATTERY CASE SUPPLIED FOR EXTENDED PLAYBACK
- CUSTOMIZABLE DIGITAL SOUND PRESETS
- NEW SLIM BACKLIT LCD STICK REMOTE
- BATTERY LEVEL INDICATOR ON REMOTE
- RECHARGEABLE BATTERY (NC-6WM) AND CHARGER SUPPLIED
- MULTIPLE PLAYBACK MODES INCLUDING NORMAL, REPEAT 1/ALL/SHUFFLE
- AUTOMATIC VOLUME LIMITER SYSTEM (AVLS)
- AVAILABLE IN RED OR BLUE



## MZ-E75

### FEATURES

- **SLIM AND LIGHTWEIGHT JACKET SIZE MD WALKMAN® PLAYER** slips easily and securely into jacket or coat pocket and is easy to hold and carry
- **DUAL HEADPHONE JACK** allows use of the remote control unit while listening to MiniDisc in your vehicle, and also lets two people at the same time share the enjoyment of digital sound from the MD Walkman
- **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
- **UP TO 32 HOURS PLAYBACK WITH RECHARGEABLE BATTERY (NC-6WM) AND 1 SONY "AA" ALKALINE BATTERY (LR6SG)** is made possible by advanced technology that allows extended battery life beyond previous limits
- **"AA" BATTERY CASE SUPPLIED FOR EXTENDED PLAYBACK** when used in conjunction with supplied rechargeable battery
- **CUSTOMIZABLE DIGITAL SOUND PRESETS** let you make adjustments to the sound frequency range to suit personal preferences or different types of music, and activate your settings with the press of a button
- **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
- **BATTERY LEVEL INDICATOR ON REMOTE** shows you at a glance when battery power is low
- **RECHARGEABLE BATTERY (NC-6WM) AND CHARGER SUPPLIED** offers great savings and convenience over disposable batteries, and lets you easily use and recharge the supplied NC-6WM rechargeable NiCd battery
- **MULTIPLE PLAYBACK MODES INCLUDING NORMAL, REPEAT 1/ALL/SHUFFLE** lets you play through a MiniDisc from start to end, or repeat one track or all tracks, or play tracks in random (shuffle) order
- **AUTOMATIC VOLUME LIMITER SYSTEM (AVLS)** maintains volume output below strong signal levels, for listener comfort

- **AVAILABLE IN RED OR BLUE** for a distinctive and stylish appearance

### SPECIFICATIONS

**FORMAT:** Digital Audio MiniDisc System

**SAMPLING FREQUENCY:** 44.1 kHz

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

**FREQUENCY RESPONSE:** 20–20,000Hz ±3dB

**WOW & FLUTTER:** Unmeasurable

**INPUTS:** DC In, 1.5V

**OUTPUTS:** Headphones/Remote: Stereo mini jack  
Line Out: Stereo mini jack

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

**POWER REQUIREMENTS:** 1 x Sony "AA" Alkaline (LR6SG) Battery (optional)  
NC-6WM NiCd Rechargeable battery (supplied)

**BATTERY LIFE (APPROX.):** Up to 32 hours playback w/rechargeable battery (NC-6WM)  
and 1 Sony "AA" alkaline battery (LR6SG) x 1;  
Up to 8 hours playback w/rechargeable battery (NC-6WM)

**COLOR:** Red or Blue

**DIMENSIONS (WHD):** 3 3/8" x 5/8" x 3"  
(86 x 16.3 x 75.4mm)

**WEIGHT:** 3.5 oz (98g) without batteries

**SUPPLIED ACCESSORIES:** MDR-O34SP/01 Headphones, RM-MZ2N Backlit LCD  
Remote Control, Carrying Pouch, NC-6WM NiCd  
Rechargeable Battery, Battery Charger, Dry Battery Case for  
"AA" battery x 1, Carrying Case

**OPTIONAL ACCESSORIES:** AC-E15L AC Power Adaptor, CPA-9C Car Cassette Adaptor,  
DCC-E215 Car Battery Cord, CDD-E34CP Car Battery Cord  
with Car Cassette Adaptor, Active Mini Speakers,  
NC-9WM NiCd Rechargeable Battery, NH-14WM NiMH  
Rechargeable Battery

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# **MZ-E90**

**MD WALKMAN® PLAYER**

- **WORLD'S SMALLEST JACKET SIZE MD WALKMAN PLAYER**
- **LIGHTWEIGHT AND ROBUST MAGNESIUM "PRESS FORGING" DESIGN**
- **40 SECOND SHOCK RESISTANT MEMORY**
- **EASY POP-UP EJECT MECHANISM**
- **UP TO 56 HOURS PLAYBACK WITH RECHARGEABLE BATTERY (NH-14WM) AND 1 SONY "AA" ALKALINE BATTERY (LR65G)**
- **"AA" BATTERY CASE SUPPLIED FOR EXTENDED PLAYBACK**
- **RECHARGEABLE BATTERY (NH-14WM) AND CHARGER SUPPLIED**
- **NEW SLIM BACKLIT LCD STICK REMOTE**
- **BATTERY LEVEL INDICATOR ON REMOTE**
- **2-POSITION DIGITAL MEGA BASS® SOUND SYSTEM**
- **MULTIPLE PLAYBACK MODES INCLUDING NORMAL, REPEAT 1/ALL/SHUFFLE**
- **AUTOMATIC VOLUME LIMITER SYSTEM (AVLS)**
- **AVAILABLE IN SILVER OR RED**



## MZ-E90

### FEATURES

- **WORLD'S SMALLEST JACKET SIZE MD WALKMAN® PLAYER** is virtually as small as the MiniDisc itself, is easy to hold and carry, and slips easily and securely into jacket or coat pocket
- **LIGHTWEIGHT AND ROBUST MAGNESIUM "PRESS FORGING" DESIGN**—"Press Forging" is a new process used in the design to create ultra portability and durability
- **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
- **UP TO 56 HOURS PLAYBACK WITH RECHARGEABLE BATTERY (NH-14WM) AND 1 SONY "AA" ALKALINE BATTERY (LR6SG)** is made possible by advanced technology that allows greatly extended battery life beyond previous limits
- **"AA" BATTERY CASE SUPPLIED FOR EXTENDED PLAYBACK** when used in conjunction with supplied rechargeable battery
- **RECHARGEABLE BATTERY (NH-14WM) AND CHARGER SUPPLIED** offers great savings and convenience over disposable batteries, and lets you easily use and recharge the supplied NH-14WM rechargeable battery
- **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
- **BATTERY LEVEL INDICATOR ON REMOTE** shows you at a glance when battery power is low
- **2-POSITION DIGITAL MEGA BASS® SOUND SYSTEM** provides rich, deep bass tones with digital signal (%) processing for virtually inaudible harmonic distortion
- **MULTIPLE PLAYBACK MODES INCLUDING NORMAL, REPEAT 1/ALL/SHUFFLE** lets you play through a MiniDisc from start to end, or repeat one track or all tracks, or play tracks in random (shuffle) order
- **AUTOMATIC VOLUME LIMITER SYSTEM (AVLS)** maintains volume output below strong signal levels, for listener comfort

- **AVAILABLE IN SILVER OR RED** to accommodate your personal preference

### SPECIFICATIONS

**FORMAT:** Digital Audio MiniDisc System

**SAMPLING FREQUENCY:** 44.1 kHz

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

**FREQUENCY RESPONSE:** 20–20,000Hz ±3dB

**WOW & FLUTTER:** Unmeasurable

**INPUTS:** DC In, 1.5V

**OUTPUTS:** Headphones/Remote: Stereo mini jack

Line-Out: Stereo mini jack

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

**POWER REQUIREMENTS:** 1 x "AA" Battery (optional)

NH-14WM Rechargeable battery (supplied)

AC Adaptor AC-E15C (optional)

Car Battery Cord DCC-E215 (optional)

**BATTERY LIFE (APPROX.):** Up to 56 hours playback w/rechargeable battery NH-14WM

and 1 Sony "AA" alkaline battery x 1 (LR6SG);

Up to 21 hours playback w/rechargeable battery NH-14WM

**COLOR:** Red or Silver

**DIMENSIONS (WHD):** 3 1/8" x 9/16" x 2 7/8"

(78.4 x 13.5 x 71.5mm)

**WEIGHT:** 2.5 oz (70g) without batteries

**SUPPLIED ACCESSORIES:** MDR-A34SP Headphones, NH-14WM NiMH Rechargeable

Battery, Dry Battery Case for "AA" battery x 1, Battery

Charger, RM-MZ2N Backlit LCD Remote Control,

Carrying Pouch

**OPTIONAL ACCESSORIES:** AC-E15L AC Power Adaptor, CPA-9C Car Cassette Adaptor,

DCC-E215 Car Battery Cord, DCC-E34CP Car Battery Cord

with Car Cassette Adaptor, Active Mini Speakers,

Headphones

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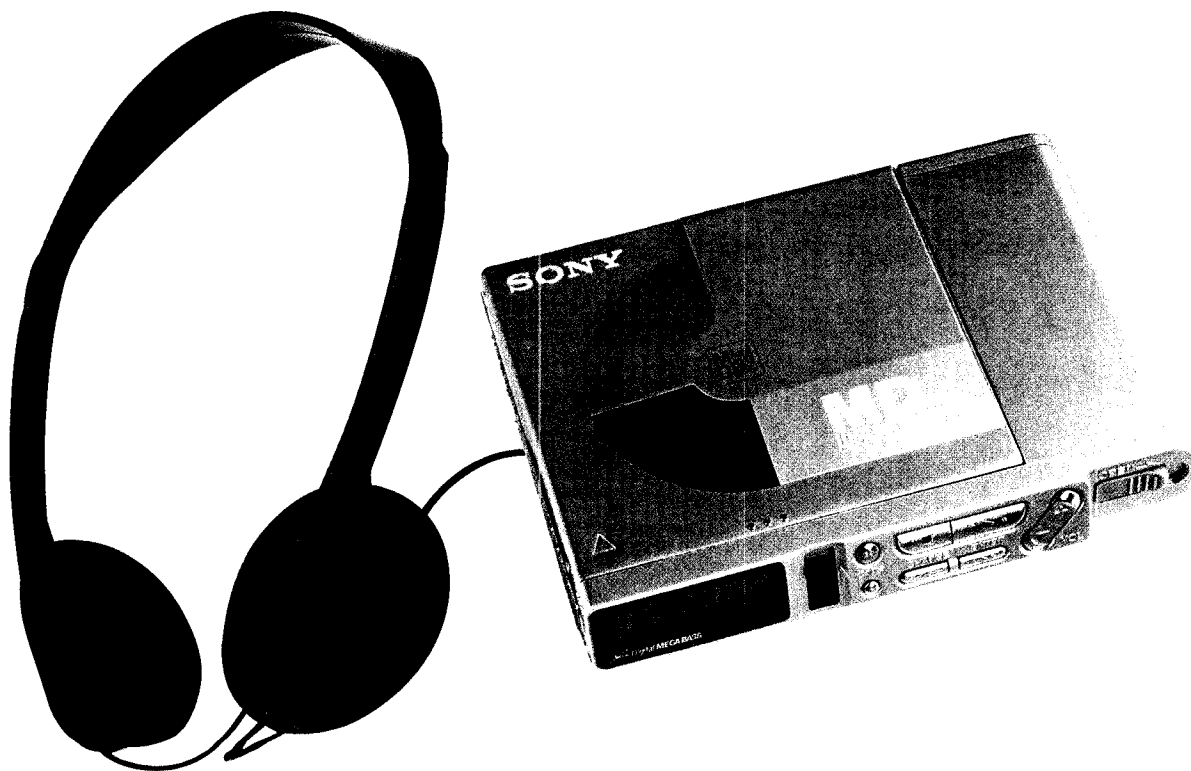
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# **MZ-R37SP**

**MD WALKMAN® PLAYER/RECORDER**

- **UNIQUE HORIZONTAL DESIGN WITH EASY-TO-ACCESS BUTTONS**
- **40 SECOND SHOCK RESISTANT MEMORY**
- **BATTERY COMPARTMENT HOLDS 2 "AA" BATTERIES - NO EXTERNAL CASE NEEDED**
- **UP TO 15.5 HOURS PLAYBACK WITH 2 "AA" SONY ALKALINE BATTERIES**
- **DIGITAL CONNECTING CABLE SUPPLIED**
- **DIGITAL SYNCHRO RECORDING**
- **SAMPLING RATE CONVERTER**
- **DIGITAL MEGA BASS® SOUND SYSTEM**
- **HIGH QUALITY RECORDING WITH DIGITAL AGC AUTOMATIC GAIN CONTROL**
- **AUTOMATIC VOLUME LIMITER SYSTEM (AVLS)**



## MZ-R37SP

### FEATURES

- **UNIQUE HORIZONTAL DESIGN WITH EASY-TO-ACCESS BUTTONS** makes the unit easier to use and hold in your hand or carry in a pocket, to enjoy the sound of MiniDiscs
- **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
- **BATTERY COMPARTMENT HOLDS 2 "AA" BATTERIES** so there is no need for an external battery case
- **UP TO 15.5 HOURS PLAYBACK WITH 2 "AA" SONY ALKALINE BATTERIES** is made possible by advanced technology that allows extended battery life beyond previous limits
- **DIGITAL CONNECTING CABLE SUPPLIED** for connecting to home digital preamplifier and to CD, DAT or digital satellite system units
- **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
- **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
- **DIGITAL MEGA BASS® SOUND SYSTEM** provides rich, deep bass tones with digital signal processing for virtually inaudible harmonic distortion
- **HIGH QUALITY RECORDING WITH DIGITAL AGC** ensures proper recording levels through Automatic Gain Control to prevent overload distortion
- **AUTOMATIC VOLUME LIMITER SYSTEM (AVLS)** maintains volume output below strong signal levels, for listener comfort

### SPECIFICATIONS

**FORMAT:** Digital Audio MiniDisc System

**SAMPLING FREQUENCY:** 44.1 kHz

**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 4.5V

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:** Sony "AA" Alkaline Batteries (LR6SG) x 2 (optional)

DCC-E245 Car Battery Cord (optional)

NH-WMAA NiMH Rechargeable Battery x 2 (optional)

AC-E45HG AC Adaptor (optional)

**BATTERY LIFE (APPROX.):** Variable Record/15.5 hours Playback w/Sony "AA" alkaline batteries x 2

8.5 hours Record/12 hours Playback w/Sony NH-WMAA rechargeable batteries x 2 (optional)

**COLOR:** Champagne Gold

**DIMENSIONS (WHD):** 4 5/8" x 3/4" x 3 1/2"

(116.8 x 18.5 x 86.1mm)

**WEIGHT:** 5 2/3 oz (160g) without batteries

**SUPPLIED ACCESSORIES:** Digital Connecting Cable, MDR-025 Stereo Headphones

**OPTIONAL ACCESSORIES:** Sony "AA" Alkaline Batteries x 2

"AA" Type NiMH Rechargeable Battery (NH-WMAA x 2),

AC-E45HG AC Adaptor, POC-15AB/POC-153 Optical

Digital Cable, ECM-717/MS907/MS957 Stereo

Microphone, CPA-9C Car Connecting Pack, DCC-E245 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.

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# **MZ-R37SPPC**

**MD WALKMAN® PC BUNDLE**

- **INCLUDES PCLINK (USB CABLE, PCLINK CONVERTER AND MINI-MINI STEREO CABLE)  
FOR RECORDING YOUR FAVORITE MUSIC FILES FROM THE INTERNET**
- **PCLINK CONVERTER DELIVERS SUPERIOR AUDIO**
- **USB PLUG AND PLAY INTERFACE**
- **USB CABLE CONNECTS EXTERNALLY THROUGH USB PORT**
- **UNIQUE HORIZONTAL DESIGN WITH EASY-TO-ACCESS BUTTONS**
- **40 SECOND SHOCK RESISTANT MEMORY**
- **BATTERY COMPARTMENT HOLDS 2 "AA" BATTERIES - NO EXTERNAL CASE NEEDED**
- **UP TO 15.5 HOURS PLAYBACK WITH 2 "AA" SONY ALKALINE BATTERIES**
- **DIGITAL CONNECTING CABLE SUPPLIED**
- **DIGITAL SYNCHRO RECORDING**
- **SAMPLING RATE CONVERTER**
- **DIGITAL MEGA BASS® SOUND SYSTEM**
- **HIGH QUALITY RECORDING WITH DIGITAL AGC AUTOMATIC GAIN CONTROL**
- **AUTOMATIC VOLUME LIMITER SYSTEM (AVLS)**



## MZ-R37SPPC

### FEATURES

- **HIGH QUALITY RECORDING WITH DIGITAL AGC**
- **RECORD FROM THE NET WITH SUPPLIED PCLINK (USB CABLE, PCLINK CONVERTER, MINI-MINI STEREO CABLE)** Using any windows compatible ripper/player application, rip your favorite tracks from your CD's or download music files from the internet and RECORD them to MiniDisc
- **PCLINK CONVERTER DELIVERS SUPERIOR AUDIO** sound since there is no need to use noisy internal sound card
- **USB PLUG AND PLAY INTERFACE** automatically configures itself when connected. Everything you need is part of Windows 98/2000 so you do not have to worry about installing additional software drivers
- **USB CABLE CONNECTS EXTERNALLY THROUGH USB PORT** so there is no need to open your computer or connect to a sound card
- **UNIQUE HORIZONTAL DESIGN WITH EASY-TO-ACCESS BUTTONS** makes the unit easier to use and hold in your hand or carry in a pocket, to enjoy the sound of MiniDiscs
- **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
- **BATTERY COMPARTMENT HOLDS 2 "AA" BATTERIES** so there is no need for an external battery case
- **UP TO 15.5 HOURS PLAYBACK WITH 2 "AA" SONY ALKALINE BATTERIES** is made possible by advanced technology that allows extended battery life beyond previous limits
- **DIGITAL CONNECTING CABLE SUPPLIED** for connecting to home digital preamplifier and to CD, DAT or digital satellite system units
- **DIGITAL SYNCHRO RECORDING** lets you make digital copies of your CDs onto a MiniDisc\* with synchronized operation that begins recording when digital input signal is received
- **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
- **DIGITAL MEGA BASS® SOUND SYSTEM** provides rich, deep bass tones with digital signal processing for virtually inaudible harmonic distortion

ensures proper recording levels through Automatic Gain Control to prevent overload distortion

- **AUTOMATIC VOLUME LIMITER SYSTEM (AVLS)** maintains volume output below strong signal levels, for listener comfort

### SPECIFICATIONS

**FORMAT:** Digital Audio MiniDisc System

**SAMPLING FREQUENCY:** 44.1 kHz

**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 4.5V

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:** Sony "AA" Alkaline Batteries (LR6SG) x 2 (optional)

DCC-E245 Car Battery Cord (optional)

NH-WMAA NiMH Rechargeable Battery x 2 (optional)

AC-E45HG AC Adaptor (optional)

**BATTERY LIFE (APPROX.):** Variable Record/15.5 hours Playback w/Sony "AA" alkaline batteries x 2

8.5 hours Record/12 hours Playback w/Sony NH-WMAA

rechargeable batteries x 2 (optional)

**COLOR:** Champagne Gold

**DIMENSIONS (WHD):** 4 5/8" x 3/4" x 3 1/2"

(116.8 x 18.5 x 86.1mm)

**DIMENSIONS OF PCLINK CONVERTER ONLY (WHD):** 1 1/4" x 3/4" x 4 1/4"

(105 x 30 x 210mm)

**WEIGHT:** 5 2/3 oz (160g) without batteries, .36 lbs. (16g) PCLink USB/D/A Mini Stereo Cable

**SUPPLIED ACCESSORIES:** Digital Connecting Cable, MDR-025 Stereo Headphones,

PCLink (USB Cable, D/A Converter, Mini-Mini Stereo Cable)

**OPTIONAL ACCESSORIES:** Sony "AA" Alkaline Batteries x 2

"AA" Type NiMH Rechargeable Battery (NH-WMAA x 2),

AC-E45HG AC Adaptor, POC-15AB/POC-15B Optical

Digital Cable, ECM-717/MS907/MS957 Stereo

Microphone, CPA-9C Car Connecting Pack, DCC-E245 Car

Battery Cord, Active Mini Speakers

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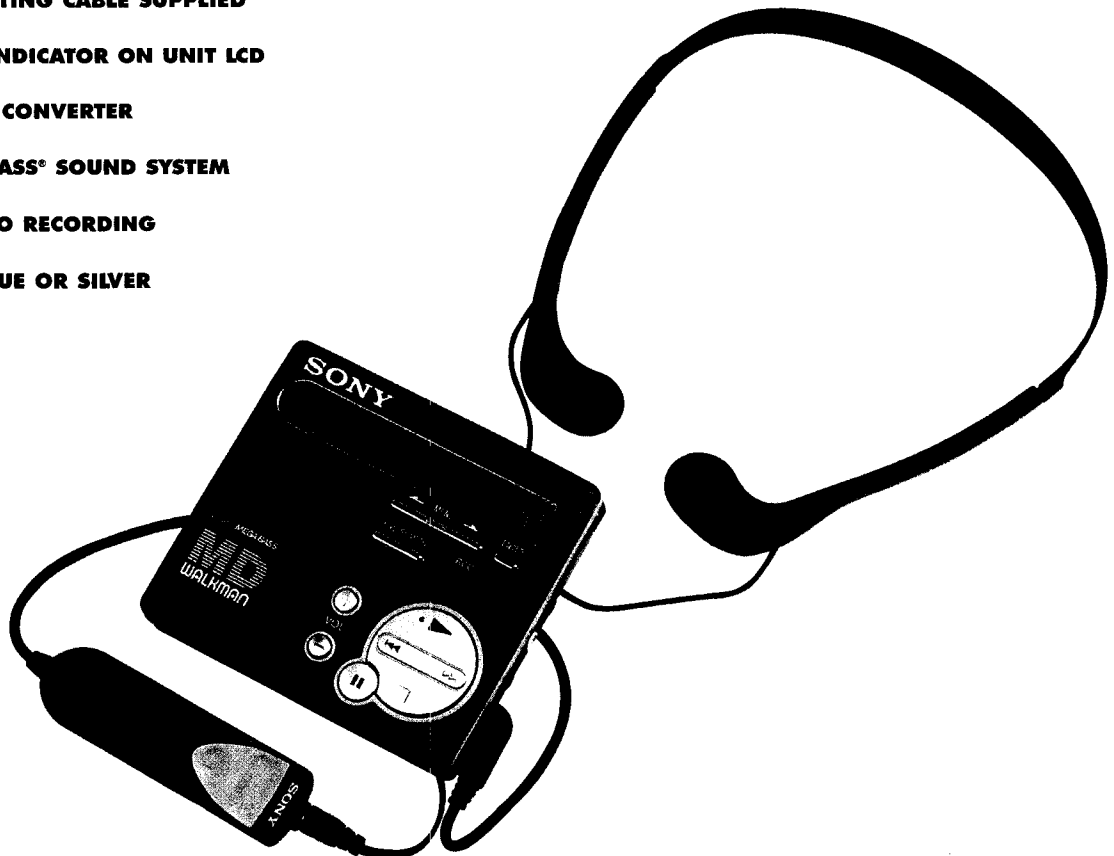
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SONY

# MZ-R70

## MD WALKMAN® PLAYER/RECORDER

- JACKET SIZE MD WALKMAN RECORDER
- DUAL HEADPHONE JACK
- DIGITAL RECORDING LEVEL CONTROL
- INTERNAL BATTERY COMPARTMENT HOLDS ONE "AA" TYPE BATTERY
- "AA" TYPE NC-WMAA RECHARGEABLE BATTERY INCLUDED
- 40 SECOND SHOCK RESISTANT MEMORY
- EASY POP-UP EJECT MECHANISM
- REMOTE CONTROL WITH EDITING FUNCTIONS
- HIGH QUALITY RECORDING WITH DIGITAL AGC AUTOMATIC GAIN CONTROL
- UP TO 17 HOURS PLAYBACK WITH 1 SONY "AA" ALKALINE BATTERY
- AC ADAPTOR SUPPLIED (AC-MZR55)
- CHARACTER INPUT FOR TITLING WHILE RECORDING
- BATTERY CHARGING FUNCTION IN THE MAIN UNIT
- DIGITAL CONNECTING CABLE SUPPLIED
- BATTERY LEVEL INDICATOR ON UNIT LCD
- SAMPLING RATE CONVERTER
- DIGITAL MEGA BASS® SOUND SYSTEM
- DIGITAL SYNCHRO RECORDING
- AVAILABLE IN BLUE OR SILVER



## MZ-R70

### FEATURES

- **JACKET SIZE MD WALKMAN RECORDER** slips easily and securely into jacket or coat pocket and is easy to hold and carry
- **DUAL HEADPHONE JACK** allows use of the remote control unit while listening to MiniDisc in your vehicle, and also lets two people at the same time share the enjoyment of digital sound from the MD Walkman
- **DIGITAL RECORDING LEVEL CONTROL** allows you to manually achieve a consistent recording level on your MiniDisc no matter what the source of your recording
- **INTERNAL BATTERY COMPARTMENT HOLDS ONE "AA" TYPE BATTERY** so there is no need for an external battery case
- **"AA" TYPE NC-WMAA RECHARGEABLE BATTERY** is supplied, and offers great savings and convenience over disposable batteries
- **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
- **REMOTE CONTROL WITH EDITING FUNCTIONS** including Titling and Move, to customize your MiniDiscs and for listening to tracks the way you prefer
- **HIGH QUALITY RECORDING WITH DIGITAL AGC AUTOMATIC GAIN CONTROL** ensures proper recording levels through Automatic Gain Control to prevent overload distortion
- **UP TO 17 HOURS PLAYBACK WITH 1 SONY "AA" ALKALINE BATTERY** is made possible by advanced technology that allows extended battery life beyond previous limits
- **AC ADAPTOR SUPPLIED (AC-MZR55)** allows operation from a standard household AC outlet to save on battery life
- **CHARACTER INPUT FOR TITLING WHILE RECORDING** lets you create or modify individual track information as the MiniDisc is being recorded
- **BATTERY CHARGING FUNCTION IN THE MAIN UNIT** when the unit is plugged into an AC outlet with the supplied AC Adaptor

- **DIGITAL CONNECTING CABLE SUPPLIED** for connecting to home digital preamplifier and to CD, DAT or digital satellite system units
- **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
- **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
- **AVAILABLE IN BLUE OR SILVER** to accommodate your personal preference

### 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 x 2

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

**POWER REQUIREMENTS:** AC-MZR55 AC Adaptor (supplied)

NC-WMAA x 1 NiCd Rechargeable Battery (supplied)

Sony Alkaline "AA" Battery x 1 (optional)

DCC-E230 Car Battery Cord (optional)

**BATTERY LIFE (APPROX.):** 3 hours Record/6.5 hours Playback with Sony NC-WMAA x 1 Rechargeable Battery

3 hours Record/17 hours Playback with Sony "AA" x 1 alkaline battery (LR6SG) (optional)

**COLOR:** Silver or Blue

**DIMENSIONS (WHD):** 3 3/16" x 1" x 3" (81 x 26.2 x 74mm)

**WEIGHT:** 4 oz (115g) without batteries

**SUPPLIED ACCESSORIES:** RM-MZ3R Smart Remote, Digital Connecting Cable,

AC-MZR55 AC Power Adaptor, MDR-N034SP/01

Headphones, NC-WMAA Rechargeable Battery,

Carrying Pouch, Battery Case

**OPTIONAL ACCESSORIES:** Sony Alkaline "AA" Battery x 1, POC-15AB/FOC-15B

Optical Digital Cable, ECM-717/MS907/MS957 Stereo

Microphone, CPA-9 Car Cassette Adaptor, DCC-E230 Car Battery Cord, Active Mini Speakers

# SONY

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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.

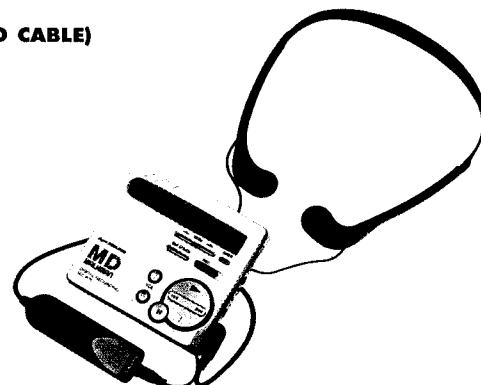
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# **MZ-R70PC**

## **MD WALKMAN® PC BUNDLE**

- **INCLUDES PCLINK (USB CABLE, PCLINK CONVERTER AND MINI-MINI STEREO CABLE)  
FOR RECORDING YOUR FAVORITE MUSIC FILES FROM THE INTERNET**
- **PCLINK CONVERTER DELIVERS SUPERIOR AUDIO**
- **USB PLUG AND PLAY INTERFACE**
- **USB CABLE CONNECTS EXTERNALLY THROUGH USB PORT**
- **JACKET SIZE MD WALKMAN RECORDER**
- **DUAL HEADPHONE JACK**
- **DIGITAL RECORDING LEVEL CONTROL**
- **INTERNAL BATTERY COMPARTMENT HOLDS ONE "AA" TYPE BATTERY**
- **"AA" TYPE NC-WMAA RECHARGEABLE BATTERY INCLUDED**
- **40 SECOND SHOCK RESISTANT MEMORY**
- **REMOTE CONTROL WITH EDITING FUNCTIONS**
- **HIGH QUALITY RECORDING WITH DIGITAL AGC AUTOMATIC GAIN CONTROL**
- **UP TO 17 HOURS PLAYBACK WITH 1 SONY "AA" ALKALINE BATTERY**
- **AC ADAPTOR SUPPLIED (AC-MZR55)**
- **CHARACTER INPUT FOR TITLING WHILE RECORDING**
- **BATTERY CHARGING FUNCTION IN THE MAIN UNIT**
- **DIGITAL CONNECTING CABLE SUPPLIED**
- **DIGITAL MEGA BASS® SOUND SYSTEM**



## MZ-R70PC

### FEATURES

- **RECORD FROM THE NET WITH SUPPLIED PCLINK (USB CABLE, PCLINK CONVERTER, MINI-MINI STEREO CABLE)** Using any windows compatible ripper/player application, rip your favorite tracks from your CD's or download music files from the internet and RECORD them to MiniDisc
- **PCLINK CONVERTER DELIVERS SUPERIOR AUDIO** sound since there is no need to use noisy internal sound card
- **USB PLUG AND PLAY INTERFACE** automatically configures itself when connected. Everything you need is part of Windows 98/2000 so you do not have to worry about installing additional software drivers
- **USB CABLE CONNECTS EXTERNALLY THROUGH USB PORT** so there is no need to open your computer or connect to a sound card
- **JACKET SIZE MD WALKMAN RECORDER** slips easily and securely into jacket or coat pocket and is easy to hold and carry
- **DUAL HEADPHONE JACK** allows use of the remote control unit while listening to MiniDisc in your vehicle, and also lets two people at the same time share the enjoyment of digital sound from the MD Walkman
- **DIGITAL RECORDING LEVEL CONTROL** allows you to manually achieve a consistent recording level on your MiniDisc no matter what the source of your recording
- **INTERNAL BATTERY COMPARTMENT HOLDS ONE "AA" TYPE BATTERY** so there is no need for an external battery case
- **"AA" TYPE NC-WMAA RECHARGEABLE BATTERY** is supplied, and offers great savings and convenience over disposable batteries
- **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
- **REMOTE CONTROL WITH EDITING FUNCTIONS** including Titling and Move, to customize your MiniDiscs and for listening to tracks the way you prefer
- **HIGH QUALITY RECORDING WITH DIGITAL AGC AUTOMATIC GAIN CONTROL** ensures proper recording levels through Automatic Gain Control to prevent overload distortion

- **UP TO 17 HOURS PLAYBACK WITH 1 SONY "AA" ALKALINE BATTERY** is made possible by advanced technology that allows extended battery life beyond previous limits
- **AC ADAPTOR SUPPLIED (AC-MZR55)** allows operation from a standard household AC outlet to save on battery life
- **CHARACTER INPUT FOR TITLING WHILE RECORDING** lets you create or modify individual track information as the MiniDisc is being recorded
- **BATTERY CHARGING FUNCTION IN THE MAIN UNIT** when the unit is plugged into an AC outlet with the supplied AC Adaptor
- **DIGITAL CONNECTING CABLE SUPPLIED** for connecting to home digital preamplifier and to CD, DAT or digital satellite system units
- **DIGITAL MEGA BASS® SOUND SYSTEM** Provides rich, deep bass tones with digital signal processing for virtually inaudible harmonic distortion

### 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 x 2

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

**POWER REQUIREMENTS:** AC-MZR55 AC Adaptor (supplied)

NC-WMAA x 1 NiCd Rechargeable Battery (supplied)

Sony Alkaline "AA" Battery x 1 (optional)

DCC-E230 Car Battery Cord (optional)

**BATTERY LIFE (APPROX.):** 3 hours Record/6.5 hours Playback with Sony NC-WMAA x 1 Rechargeable Battery

3 hours Record/17 hours Playback with Sony "AA" x 1 alkaline battery (LR6SG) (optional)

**COLOR:** Silver or Blue

**DIMENSIONS (WHD):** 3 3/16" x 1" x 3" (81 x 26.2 x 74mm)

**DIMENSIONS OF PCLINK CONVERTER ONLY (WHD):** 1 1/4" x 3/4" x 4 1/4"  
(105 x 30 x 210mm)

**WEIGHT:** 4 oz (115g) without batteries, .36 lbs. (16g) PCLink USB/D/A Mini Stereo Cable

**SUPPLIED ACCESSORIES:** RM-MZ3R Smart Remote, Digital Connecting Cable, AC-MZR55 AC Power Adaptor, MDR-N034SP/01 Headphones, NC-WMAA Rechargeable Battery, Carrying Pouch, Battery Case

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

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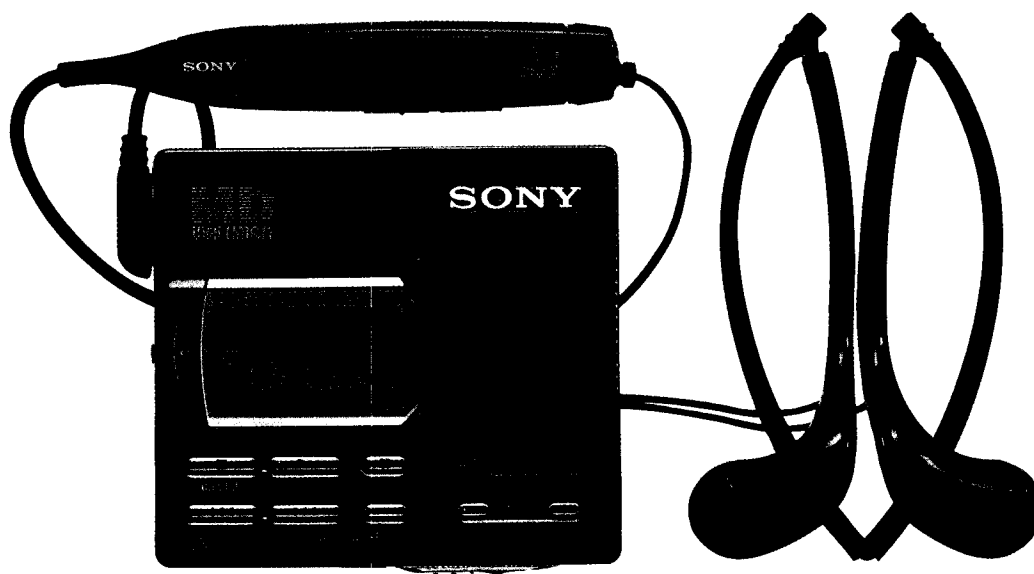
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# MZ-R90

## 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

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

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