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## PORTABLE CASSETTE PLAYER / RECORDER



**MODEL: MCR-100  
USER MANUAL**

**PLEASE READ THIS USER MANUAL COMPLETELY BEFORE OPERATING THIS  
UNIT AND RETAIN THIS BOOKLET FOR FUTURE REFERENCE.**

A/B/C

## COMPLIANCE WITH FCC REGULATIONS

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B Digital Device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### **WARNING**

**Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.**

## CAUTION

**Follow the advice below for safe operations.**

- Stop operation immediately if any liquid or solid object should fall into the cabinet.
- If the unit is not to be used for a long period of time, make sure that all power sources are disconnected from the unit. Remove all batteries from the battery compartment, and unplug the AC-DC adaptor from the wall outlet. Make it a practice to remove the AC-DC adaptor by grasping the plug and not by pulling the cord.

### **ON PLACEMENT**

- Do not use the unit in places, which are extremely hot, cold, dusty or humid.
- Place the unit on a flat and even surface.
- Do not restrict the airflow of the unit by placing it in a place with poor Ventilation by covering it with a cloth or by placing it on a carpet.

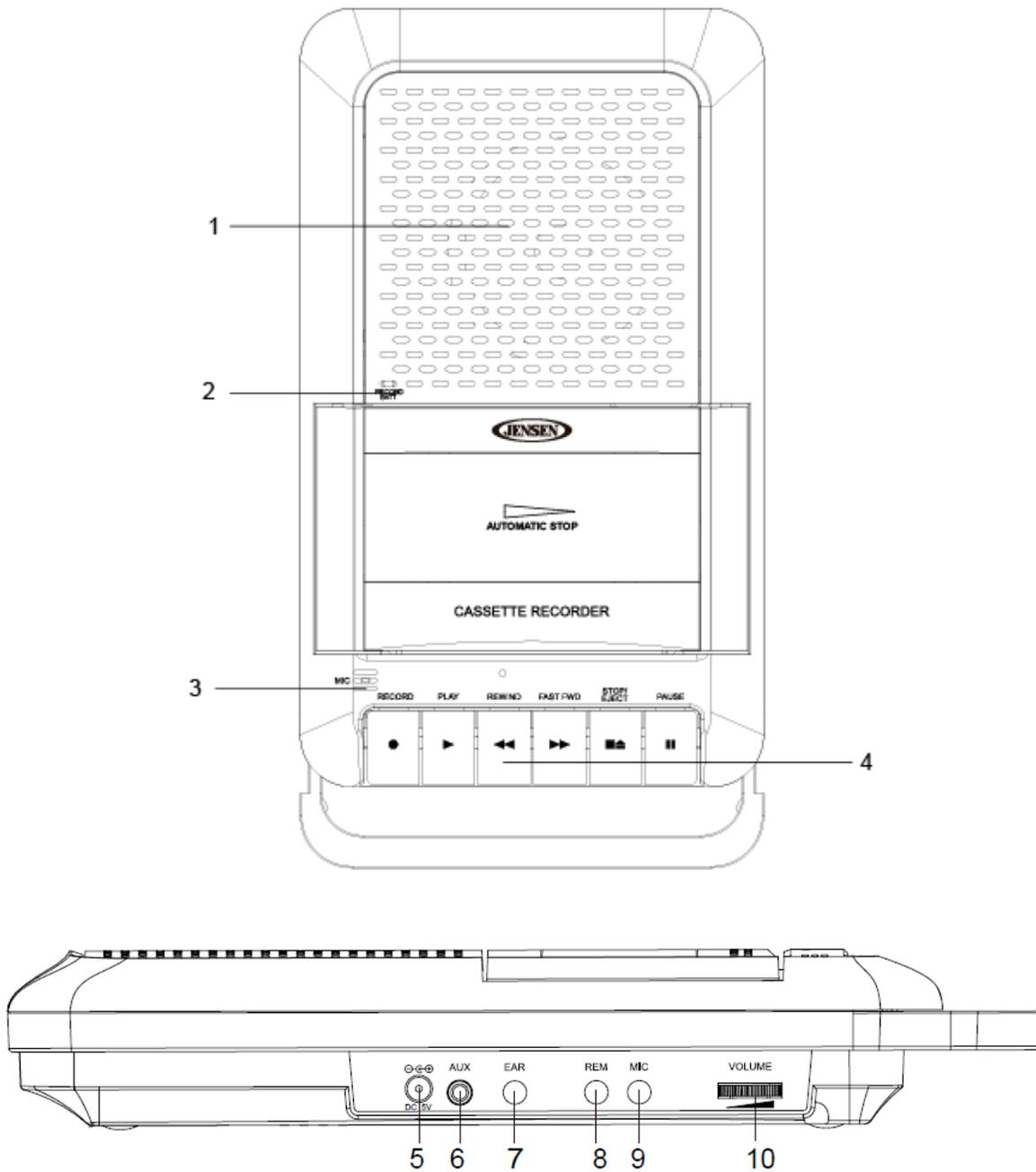
### **ON CONDENSATION**

- When left in a heated room where it is warm and damp, water droplets or condensation may form inside the unit.
- When there is condensation inside the unit, the unit may not function normally.
- Let it stand for 1 to 2 hours before turning the power on, or gradually heat the room up and dry the unit before use.

Should any trouble occur, remove the power source and refer servicing to qualified personnel.



## LOCATION OF CONTROLS



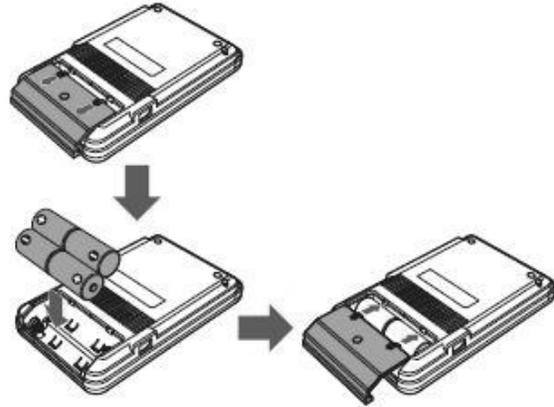
- |   |                          |    |                 |
|---|--------------------------|----|-----------------|
| 1 | SPEAKER                  | 6  | AUX IN JACK     |
| 2 | RECORD/BATTERY INDICATOR | 7  | EARPHONE JACK   |
| 3 | BUILT-IN MIC             | 8  | REM JACK        |
| 4 | DECK CONTROL BUTTONS     | 9  | MICROPHONE JACK |
| 5 | DC JACK                  | 10 | VOLUME CONTROL  |

## POWER SOURCE

The MCR-100A operates using the supplied AC Adapter (AC 120V ~ 60Hz) or with 4 X 'C' size (UM-2) batteries (not included).

### BATTERY OPERATION

1. Remove the Battery Door located on the bottom of the unit by carefully pushing the battery door towards the OPEN direction. The battery door can then be removed.
2. Following the polarity diagram shown in the battery compartment, insert 4 X 'C' size (UM-2) batteries (not included) and replace the battery door.



**NOTE:** Disconnect the AC adapter before installing the batteries.  
For best performance and longer operating time, we recommend the use of alkaline batteries.

### BATTERY WARNING

1. Be sure that the batteries are installed correctly. Wrong polarity may damage the unit.
2. Use only the size and type of batteries specified.
3. Do not mix old and new batteries.
4. Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries.
5. If the unit is not to be used for an extended period of time, remove the batteries. Old or leaking batteries can cause damage to the unit and may void the warranty.
6. Do not try to recharge batteries not intended to be recharged; they can overheat and rupture. (Follow battery manufacturer's directions).
7. Do not dispose of batteries in fire, batteries may leak or explode.

### AC ADAPTOR OPERATION

1. Plug the AC adaptor into normal AC power outlet socket.
2. Insert the DC plug of the AC adaptor cord into the DC input jack at the side of the unit.
3. When the unit is operated using AC adaptor, the battery source will automatically be disconnected.

**NOTE:** Only use the supplied adapter

**WARNING:** Before connecting to the power supply, ensure that the supply corresponds to the information on the rating label at the back of the apparatus.

## TAPE OPERATION

### DECK CONTROL BUTTONS (#4)

- STOP / EJECT BUTTON ■▲** Press to stop all deck operations. Press again to open the cassette door.
- FAST FORWARD BUTTON ►►** Press to start rapid tape winding in either forward or reverse direction. Press the STOP / EJECT BUTTON when the cassette spools stop turning
- REWIND BUTTON ◀◀**
- PLAY BUTTON ►** Press to start playing tape
- PAUSE BUTTON ■■** Press to stop the tape operation temporarily. Press again to resume
- RECORD BUTTON ●** Press to start tape recording.

### PLAYBACK

- Put in a cassette tape with the side to play facing out, and close the cassette door.
- Press the PLAY button to active playback
- Adjust the volume control to the desired level.
- Use the PAUSE button when you want to stop playback temporarily.
- Press the STOP / EJECT button when finished.

### USING HEADPHONES

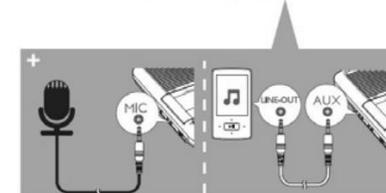
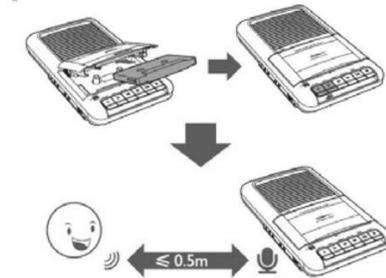
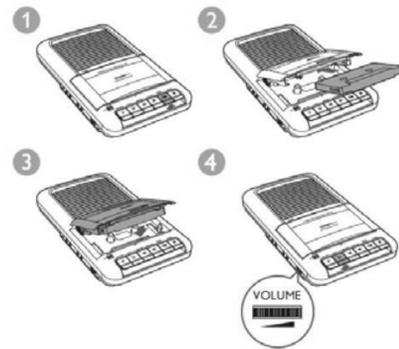
Plug your headphones (not included) with 3.5 mm diameter stereo plug, into the EARPHONE JACK (#7) on the side of the unit for private listening. The speaker will automatically disconnect when headphones are plugged in.

### RECORDING

You can record audio from various sound sources using the built-in microphone, with the included external microphone, or from an external audio source through the AUX IN JACK (#6).

Note: The MCR-100 is a mono player/recorder, so mono sound will be recorded through the AUX JACK (#6).

1. Prepare the source
    - Built-in microphone– Place the recorder within 2 to 3 feet of the sound source.
    - External microphone – Insert the microphone plug into the MIC JACK (#9). If you use a microphone other than the one that is included, and it has a remote control plug, plug that into the REM JACK (#8).
- Note:** this unit is not compatible with older third party devices that allowed you to record from the phone line or use the cassette player as an answering machine.
- Audio Source –



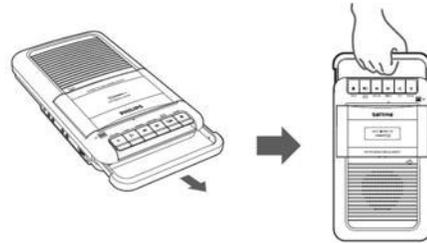
- Connect the audio source to the AUX JACK (#6) using a mono patch cord (not included) and set the audio source's volume to the desired level.
2. Press the STOP/EJECT ■▲ to load a blank cassette tape.
  3. Record: Both PLAY ► and RECORD ● buttons should be pressed simultaneously and recording starts.
 

Notes: a. Do not force down the RECORD ● button if the tape's erase-protection tabs have been removed, or you will damage the recorder.

b. The recorder automatically sets the recording level. The VOLUME (#10) does not control the recording volume.
  4. Press the STOP/EJECT ■▲ to stop recording. Recording stops automatically when the tape ends.

### CARRYING HANDLE

Slide out the handle out to carry the recorder.

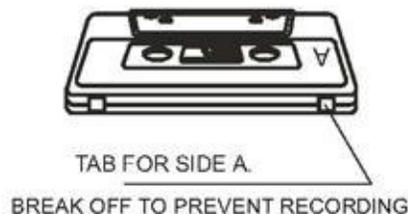


## CARE AND MAINTENANCE

1. Do not subject the unit to excessive force, shock, dust or extreme temperature.
2. Do not tamper the internal components of the unit.
3. Clean your unit with a dry cloth. Solvent or detergent should never be used.
4. Avoid leaving your unit in direct sunlight or in hot, humid or dusty places.
5. Keep your unit away from heating appliances and sources of electrical noise such as fluorescent lamps or motors.

### ABOUT CASSETTE TAPES

Whenever you record on a cassette any previously recorded material is erased as the new material is recorded. To prevent you from accidentally erasing material which you wish to save, blank cassettes are equipped with erase prevention tabs for each side of the tape. If the erase prevention tab for side A is removed, you cannot accidentally record on side A. The Record ● key cannot be depressed if the erase prevention tab on the cassette has been removed. To prevent accidental erasing on side A of a cassette use a small screw driver or similar tool to break off the erase prevention tab for side A. This prevents the record key from locking.



If later you do wish to record on side A of the cassette, cover the tab opening with a piece of cellophane tape. This will allow the Record ● to function again.

## CASSETTE CARE

Two common causes of trouble experienced when using cassettes are:

- 1) Tape Jamming – Leading to uneven speed in playback, and
- 2) Tape Tangling – Where the tape wraps itself around ital parts of the mechanism.

To reduce the likelihood of these problems occurring, the following precautions should be observed:

- Check that there are no loose layers of tape visible through the cassette center window (see Fig. 1). Take up any loose layers, using a pencil or hexagonal barreled ballpoint pen, before inserting the cassette into the machine (see Fig.2)

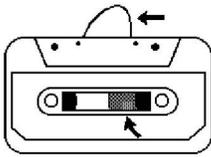


Fig.1

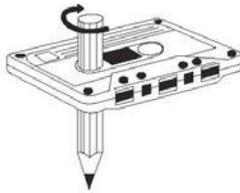


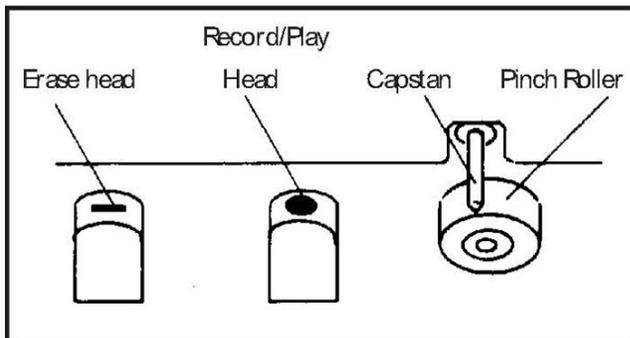
Fig. 2

- If the cassette feels tight while performing operation shown (see Fig.2), the tape may be jamming due to ridges formed in the winding of the tape (visible through the center window). These may be removed, in most cases, by fast winding of the cassette from one end to the other and back again.
- Use only well-known brands of tape. Avoid use of C-120 cassettes.

Furthermore, do not expose cassettes to direct sunlight, dust or oil, and do not touch the tape surfaces.

## HEAD CLEANING

The tape heads, pinch roller and capstan require periodic cleaning. This removes particles of the metal oxide coating that wear off the tape and accumulate on these parts and impair performance. Switch off the power, press the Stop/Eject  $\blacksquare$   $\blacktriangle$  key to open the cassette door, and press the Play  $\blacktriangleright$  key. Clean the tape heads, pinch roller and capstan with a soft cloth or cotton pad dampened in isopropyl alcohol or special tape head cleaner.



1. Avoid operating your unit under direct sunlight or in hot, humid or dusty places.
2. Keep your unit away from heating appliances and sources of electrical noise such as fluorescent lamps or motors.
3. For better Clock Display clarity, avoid operating the unit under direct sunlight or in strong room illumination.
4. Unplug the unit from the electrical power outlet immediately in case of malfunction.

## TROUBLE SHOOTING

If you experience difficulties in the use of this music system, please check the following or call 1-800-777-5331 for Customer Service.

SYMPTOM	POSSIBLE	SOLUTION
No sound	Power adapter connect unstable	Reconnect adapter
	Volume set at minimum	Increase Volume level

## SPECIFICATION

Power Requirements	
AC/DC adapter	Input AC 100 - 240V ~ Output DC 5V === 1000 mA ⊖ ⊕
Batteries	C size (UM2) x 4 PCS for battery operation (not included)
Tape System	2-Track Monophonic Cassette
Tape Speed	4.75 cm/sec
Recording System	Magnetic Erase, AC Bias



At Spectra, environmental and social responsibility is a core value of our business. We are dedicated to continuous implementation of responsible initiatives with an aim to conserve and maintain the environment through responsible recycling.

Please visit us at <http://www.spectraintl.com/green.htm> for more information on Spectra's green initiatives or to find a recycler in your area.

## 90 DAY LIMITED WARRANTY AND SERVICE VALID IN THE U.S.A. ONLY

SPECTRA MERCHANDISING INTERNATIONAL, INC. warrants this unit to be free from defective materials or factory workmanship for a period of 90 days from the date of original customer purchase and provided the product is utilized within the U.S.A. This warranty is not assignable or transferable. Our obligation under this warranty is the repair or replacement of the defective unit or any part thereof, except batteries, when it is returned to the SPECTRA Service Department, accompanied by proof of the date of original consumer purchase, such as a duplicate copy of a sales receipt.

You must pay all shipping charges required to ship the product to SPECTRA for warranty service. If the product is repaired or replaced under warranty, the return charges will be at SPECTRA's expense. There are no other express warranties other than those stated herein.

This warranty is valid only in accordance with the conditions set forth below:

1. The warranty applies to the SPECTRA product only while:
  - a. It remains in the possession of the original purchaser and proof of purchase is demonstrated.
  - b. It has not been subjected to accident, misuse, abuse, improper service, usage outside the descriptions and warnings covered within the user manual or non-SPECTRA approved modifications.
  - c. Claims are made within the warranty period.
2. This warranty does not cover damage or equipment failure caused by electrical wiring not in compliance with electrical codes or SPECTRA user manual specifications, or failure to provide reasonable care and necessary maintenance as outlined in the user manual.
3. Warranty of all SPECTRA products applies to residential use only and is void when products are used in nonresidential environment or installed outside the United States.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. TO OBTAIN SERVICE please remove all batteries (if any) and pack the unit carefully and send it freight prepaid to SPECTRA at the address shown below. IF THE UNIT IS RETURNED WITHIN THE WARRANTY PERIOD shown above, please include a proof of purchase (dated cash register receipt) so that we may establish your eligibility for warranty service and repair of the unit without cost. Also include a note with a description explaining how the unit is defective. A customer service representative may need to contact you regarding the status of your repair, so please include your name, address, phone number and email address to expedite the process.

IF THE UNIT IS OUTSIDE THE WARRANTY PERIOD, please include a check for **\$15.00** to cover the cost of repair, handling and return postage. All out of warranty returns must be sent prepaid.

It is recommended that you contact SPECTRA first at 1-800-777-5331 or by email at [custserv@spectraintl.com](mailto:custserv@spectraintl.com) for updated information on the unit requiring service. In some cases the model you have may be discontinued, and SPECTRA reserves the right to offer alternative options for repair or replacement.

SPECTRA MERCHANDISING INTERNATIONAL, INC.  
4230 North Normandy Avenue,  
Chicago, IL60634, USA. 1-800-777-5331

To register your product, visit the link on the website below to enter your information.

<http://www.spectraintl.com/wform.htm>

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Printed in China  
(MCR-100A/B/C)