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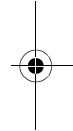
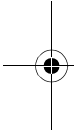
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## OWNER'S MANUAL

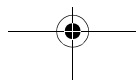
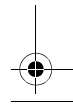
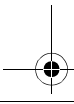
Please read before using this equipment.

# SCP-104

## Stereo Cassette Player with Headphones



# OPTIMUS®





## FEATURES

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Your Optimus SCP-104 Stereo Cassette Player delivers excellent sound from your favorite cassette tapes. You can use the supplied stereo headphones for private listening or connect amplified speakers (not supplied) to share the sound with others.

Its features include:

**Auto Stop Cassette Deck** — turns off the power at the end of a tape side during normal playback, to conserve power and protect the motor.

**Bass Boost (E-Bass)** — lets you emphasize the bass sounds to suit your listening preferences.

 **Jack** — lets you connect headphones for private listening, or speakers to share the sound with others.

**Removable Belt Clip** — lets you attach the SCP-104 to your belt for hands-free carrying when you are on the go.



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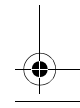
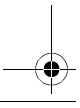
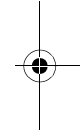
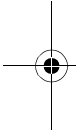


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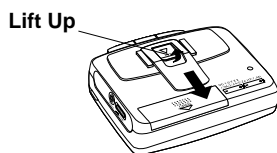
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## PREPARATION

### USING THE BELT CLIP

To attach the belt clip, align it with the slots on the back of the SCP-104, then slide the clip in the opposite direction of the arrow until it snaps into place.



To remove the belt clip, lift the tab and slide it off in the direction of the arrow.

### INSTALLING BATTERIES

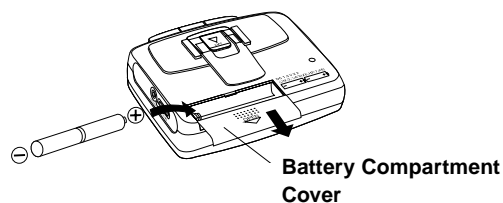
Your cassette player requires two AA batteries (not supplied) for power. For the best performance and longest life, we recommend RadioShack alkaline batteries.

#### Cautions:

- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

Follow these steps to install batteries.

1. Slide the battery compartment cover in the direction of the arrow to remove it.



2. Place the batteries in the compartment and on top of the attached ribbon, as indicated by the polarity symbols (+ and -) marked on the back of the SCP-104.
3. Replace the cover.

When the sound becomes distorted or weak, or the cassette player stops operating properly, replace the batteries.


**Warning:** Dispose of old batteries promptly and properly. Do not burn or bury them.

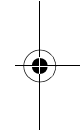
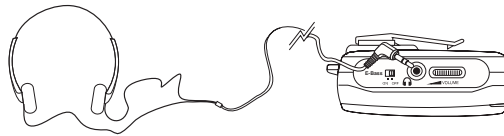
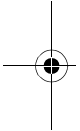
**Caution:** If you do not plan to use the cassette player for a week or more, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.



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## CONNECTING THE HEADPHONES OR AMPLIFIED SPEAKERS

For private listening, connect the supplied stereo headphones' 1/8-inch plug to the SCP-104's  jack. To share the music with others, you can connect amplified speakers (not supplied) with a 1/8-inch (3.5-mm) plug. Your local RadioShack store carries a wide selection of headphones and amplified speakers.



### Listening Safely

To protect your hearing, follow these guidelines when you use headphones.

- Set the volume to the lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.



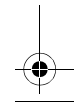
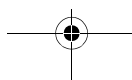
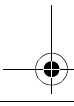
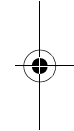
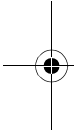


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- Once you set the volume, do not increase it. Over time, your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.

### Traffic Safety

Do not wear headphones while operating a motor vehicle or riding a bicycle. This can create a traffic hazard and can be illegal in some areas.

Even though some headphones let you hear some outside sounds when listening at normal volume levels, they still can present a traffic hazard.

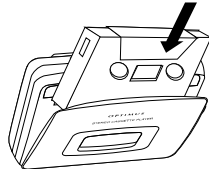


## OPERATION

Make sure that you have connected headphones or speakers to the SCP-104 before playing a cassette tape. See "Connecting the Headphones or Amplified Speakers" on Page 6.

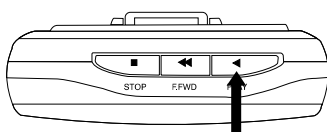
**Caution:** We do not recommend using C-120 cassette tapes. They are very thin and can easily become tangled in the tape-handling parts.

1. Take up any slack in the cassette tape by turning its hub with your finger or a pencil. If you do not remove excess slack, the tape might become tangled in the play mechanism. Avoid touching the tape.
2. Pull open the cassette compartment door.
3. Slide the cassette tape into the guides in the cassette compartment door with the tape's open edge facing up, the side you want to hear facing out, and the full reel to the right. Then close the door.





4. Press **PLAY** to play the tape.



5. Adjust **VOLUME** to a comfortable listening level.
6. Set **E-BASS ON/OFF** to **ON** to emphasize the bass sound, or to **OFF** to leave the bass sound unchanged.
7. To stop the tape before it automatically stops, press **STOP**.

To fast-forward the cassette tape, press **F.FWD**. The button locks down and the tape advances rapidly. When you reach the desired section of tape, press **STOP** then **PLAY** to resume play.

To rewind the tape, turn the tape over and press **F.FWD**.



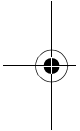
## CARE

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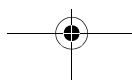
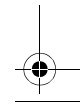
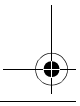
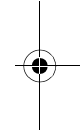


To enjoy your Optimus SCP-104 Stereo Cassette Player for a long time:

- Keep the cassette player dry. If it gets wet, wipe it dry immediately.
- Use and store the cassette player only in normal temperature environments.
- Handle the cassette player gently and carefully. Don't drop it.
- Keep the cassette player away from dust and dirt.
- Wipe the cassette player with a damp cloth occasionally to keep it looking new.



Modifying or tampering with the cassette player's internal components can cause a malfunction and invalidate its warranty. If your cassette player is not performing as it should, take it to your local RadioShack store for assistance.

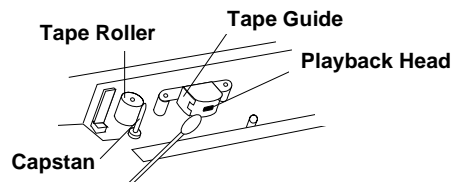


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## CLEANING THE TAPE-HANDLING PARTS

Dirt, dust, or particles of the tape's coating can accumulate on the tape heads and other parts that the tape touches. This can greatly reduce the performance of the SCP-104. Follow these steps to clean the tape-handling parts after every 20 hours of operation.

1. Remove the batteries.
2. Open the cassette compartment door.
3. Press **PLAY** to expose the tape-handling parts.
4. Use a cotton swab dipped in denatured alcohol or tape head cleaning solution to clean the play head, pinch roller, capstan, and tape guides.



5. When you finish cleaning, press **STOP** and close the cassette compartment door. Then reinstall the batteries.

Your local RadioShack store carries a full line of cassette player cleaning supplies.

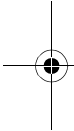


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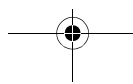
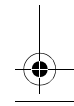
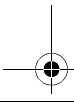
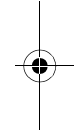
## RESTORING TAPE TENSION AND SOUND QUALITY

After you play a cassette several times, the tape might become tightly wound on the reels. This can cause playback sound quality to deteriorate.

To restore the sound quality, fast-forward the tape from the beginning to the end of one side, then completely rewind it. Then loosen the tape reels by gently tapping each side of the cassette's outer shell on a flat surface.



**Caution:** Be careful not to damage the cassette when tapping it. Do not touch the exposed tape or allow any sharp objects near the cassette.



## **SPECIFICATIONS**

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### **GENERAL**

Power Requirements .....	DC 3V
Power Source .....	2 AA Batteries
Battery Life .....	Approx. 14 Hours (Nominal)
Dimensions (HWD) .....	4.49 × 3.39 × 1.38 in (114 × 86 × 35 mm)
Weight .....	6.5 oz (183 gm)

### **CASSETTE DECK**

Tape Speed .....	1 <sup>7</sup> / <sub>8</sub> ips (4.75 cm Per Second)
Tape System .....	Four Track, Stereo
Frequency Response (at ±6dB).....	125–6,300 Hz
S/N Radio .....	38 dB
Wow and Flutter .....	0.4%

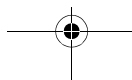
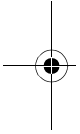
Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.



# NOTES

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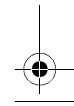
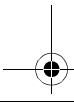
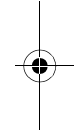
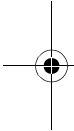
### Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow the limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

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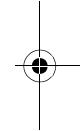
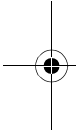
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This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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