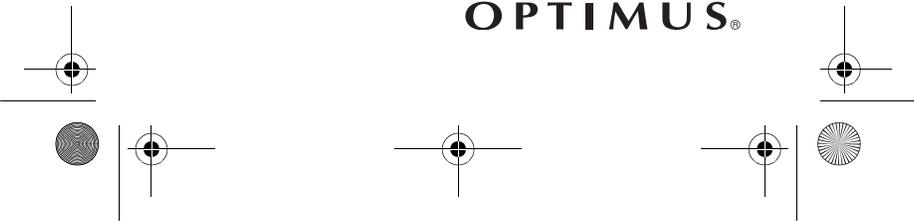


Cat. No. 14-1252
OWNER'S MANUAL

Please read before using this equipment.

SCR-100

Stereo Cassette Player/Recorder



FEATURES

Your Optimus SCR-100 Stereo Cassette Player/Recorder is a lightweight, portable cassette player that delivers great sound quality through its built-in speaker. The recorder puts many features in a small package, making it easy to carry wherever you go. Its features include:

Built-in Wide Range Speaker — lets you listen to mono sound without carrying headphones.

Built-in Stereo Microphone — lets you record in stereo without connecting stereo microphones.

Extended Bass Boost — provides richer, fuller bass than ordinary players.

Numeric Tape Counter — helps you quickly locate a specific section on the tape.

Cue/Review — lets you listen as you fast forward or rewind the tape to locate specific sections.

© 1999 Tandy Corporation.
All Rights Reserved.

Optimus, RadioShack, and Adaptaplug are registered trademarks used by Tandy Corporation.

Battery/Record Indicator — shows you when the SCR-100 is recording and indicates battery condition.

Automatic Stop — shuts off the SCR-100 when it reaches the end of a tape.

DC Input Jack — lets you power the player from an external DC source using an adapter (not supplied).

Headphone Output Jack — lets you listen in private or use optional external speakers.

Three Power Options — you can power the SCR-100 from AA batteries, standard AC power, or DC power.

Note: You need a pair of headphones or amplified speakers (not supplied) with a 1/8-inch (3.5-mm) plug to listen to tapes in stereo. Your local RadioShack store carries a wide selection of these products.

CONTENTS

Preparation	5
Installing Batteries	5
Using AC Power	6
Using Vehicle Battery Power	8
Connecting Headphones/Speakers	10
Listening Safely	11
Traffic Safety	12
Operation	13
Loading a Cassette Tape	13
Recording	14
Using the Built-in Stereo Microphone	14
Using External Stereo Microphones	15
Playing a Tape	16
Using the Tape Counter	18
Tape Tips	19
Tape Quality	19
Restoring Tape Tension and Sound Quality	
19	
Cleaning the Tape-Handling Parts	20
Care	22
Specifications	23

PREPARATION

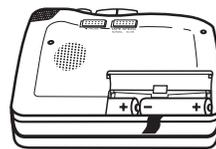
INSTALLING BATTERIES

Your SCR-100 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 open it.

2. Place the batteries in the compartment as indicated by the polarity symbols (+ and -) marked inside
3. Replace the cover.

When RECORD/BATT does not light steadily during play, replace the batteries.

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

Caution: If you do not plan to use the SCR-100 with batteries for two weeks or more, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.

USING AC POWER

You can power the SCR-100 using a 3V, 300-mA AC adapter and a size H Adaptaplug[®] (neither supplied). Both are available at your local RadioShack store.

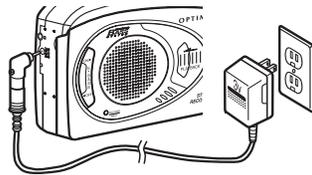
Cautions:



You must use a Class 2 power source that supplies 3V AC and delivers at least 300 mA. Its center tip must be set to positive and its plug must fit the SCR-100's **DC 3V** jack. Using an adapter that does not meet these specifications could damage the SCR-100 or the adapter.

- Always connect the AC adapter to the SCR-100 before you connect it to AC power. When you finish, disconnect the adapter from AC power before you disconnect it from the SCR-100.

Follow these steps to power the SCR-100 from standard AC power.



1. Set the adapter's voltage switch to 3V.

2. Insert the Adaptaplug into the cord so it reads TIP +.
3. Insert the adapter's barrel plug into the SCR-100's **DC 3V** jack.
4. Plug the adapter into a standard AC outlet.

USING DC POWER

You can power the SCR-100 from a vehicle's 12V power source (such as cigarette-lighter socket) using a 3V, 300-mA DC adapter and a size H Adaptaplug (neither supplied). Both are available at your local RadioShack store.

Cautions:

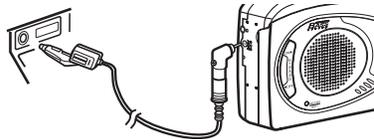


You must use a power source that supplies 3V DC and delivers at least 300 mA. Its center tip must be set to positive and its plug must fit the SCR-100's **DC 3V** jack. Using an adapter that does not meet these

specifications could damage the SCR-100 or the adapter.

- Always connect the DC adapter to the SCR-100 before you connect it to the power source. When you finish, disconnect the adapter from the power source before you disconnect it from the SCR-100.

Follow these steps to power the SCR-100 from DC power.

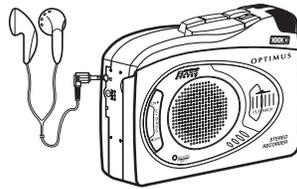


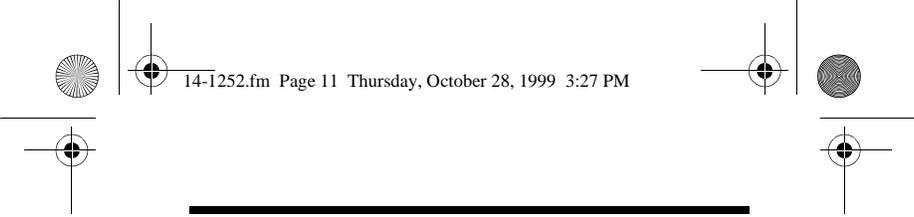
1. Set the adapter's voltage switch to 3V.
2. Insert the Adaptaplug into the cord so it reads TIP +.
3. Insert the adapter's barrel plug into the SCR-100's **DC 3V** jack.

-
4. Plug the other end of the DC adapter into the vehicle's cigarette-lighter socket.

CONNECTING HEADPHONES/ SPEAKERS

To listen to tapes in stereo, connect stereo headphones or amplified speakers (neither supplied) equipped with a 1/8-inch (3.5-mm) stereo plug to . Your local RadioShack store sells a wide variety of stereo headphones and amplified speakers.

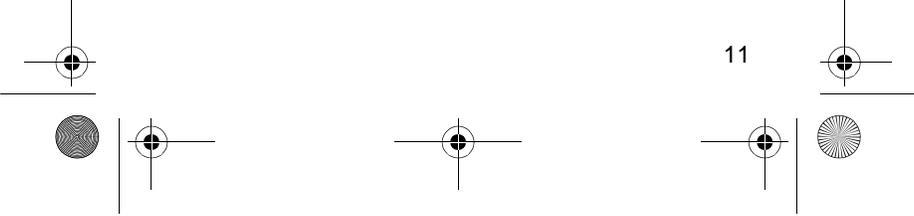


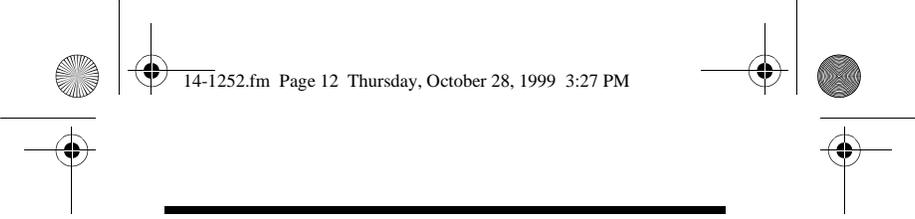


Listening Safely

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.
- 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.

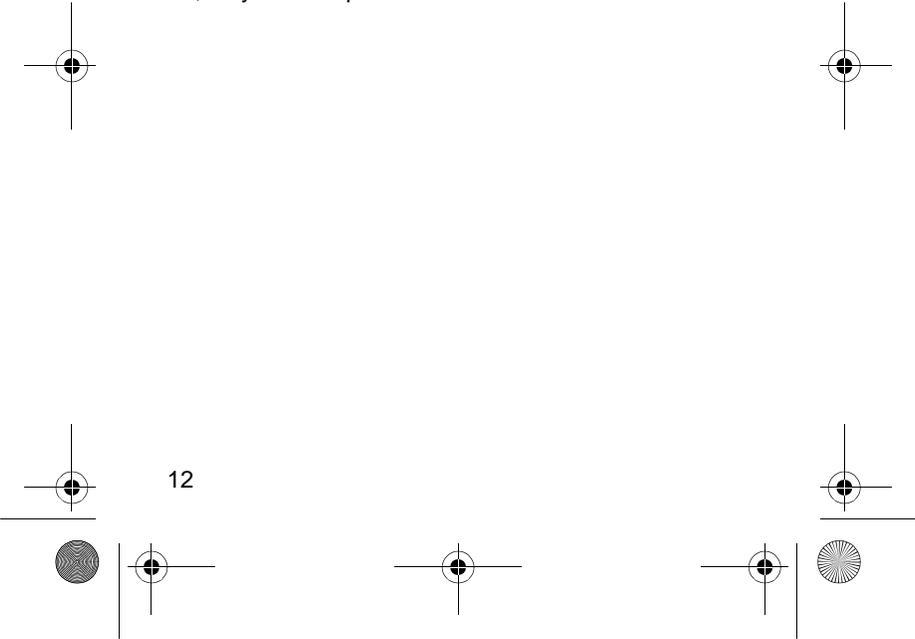




Traffic Safety

Do not wear headphones while operating a motor vehicle or riding a bicycle. This can create a traffic hazard and could 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.

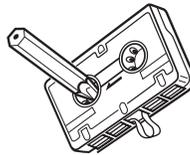


OPERATION

LOADING A CASSETTE TAPE

Follow these steps to load a cassette to record or play.

1. Take up any slack in the cassette tape by turning the hub with a pencil to prevent the tape from becoming tangled in the tape mechanism. Do not touch the tape.



2. Open the cassette compartment door by lifting it at the notch.

3. Insert a cassette tape into the door guides so the cassette's open edge faces out, the side you want to use faces up, and the full reel is to the left.



Notch

4. Close the door.

RECORDING

Using the Built-in Stereo Microphone

1. With a blank tape loaded, set **TAPE SPEED** as follows.
 - To maximize sound quality, set the switch to **NORMAL**.
 - To increase the recording time (using a somewhat lower sound quality level), set the switch to **SLOW**.
2. Press **RECORD**. Both **PLAY** and **RECORD** lock down and recording begins. **RECORD/BATT** lights during recording.
3. When the player reaches the end of the tape, the auto-stop mechanism stops the tape and releases **RECORD** and **PLAY** automatically. Press **STOP** to stop recording sooner.

Using External Stereo Microphones

You can record in stereo using two mono microphones. This lets you place each microphone for the best response and stereo separation. Your local RadioShack store carries a wide selection of suitable microphones.

1. Place two mono microphones equidistant apart and equidistant from the sound source.
2. Insert the microphones' 1/8-inch (3.5-mm) plugs into **L-MIC** and **R-MIC**, respectively.
3. With a blank tape loaded, set **TAPE SPEED** as desired, then press **RECORD**. Both **PLAY** and **RECORD** lock down and recording begins. **RECORD/BATT** lights during recording.
4. When the player reaches the end of the tape, the auto-stop mechanism stops the tape and releases **RECORD** and **PLAY** automatically. Press **STOP** to stop recording sooner.

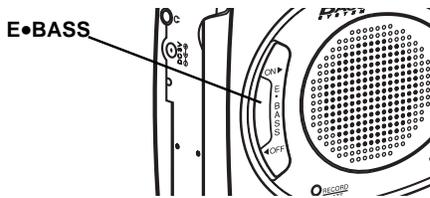
PLAYING A TAPE

1. For mono playback, simply listen to the built-in speaker. The SCR-100 combines the left and right channels. For stereo playback, connect the SCR-100 to a pair of stereo headphones or an amplified speaker system (see "Connecting Headphones/Speakers" on Page 10).

Note: Connecting headphones or an amplified speaker system disconnects the built-in speakers.

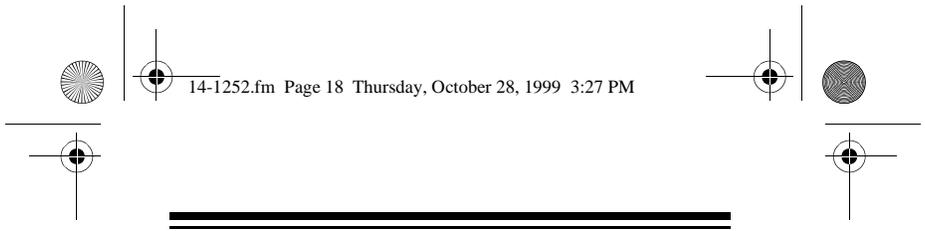
2. Take up any slack in the tape by turning the cassette's hub with a pencil. Do not touch the exposed tape.
3. Lift the cassette compartment door and insert the cassette tape into the cassette guides with its open edge facing up. Be sure the full reel is to the right and the side you want to listen to faces the door.
4. Set **TAPE SPEED** to the same speed you used when you recorded the tape.

5. Press **PLAY**.
6. Adjust **VOLUME** to the desired listening level.
7. Slide **ONE-E-BASS/OFF** to **ON** for an enhanced bass effect. Set it to **OFF** for normal bass sound.



8. To temporarily stop the tape, slide **PAUSE** in the direction of the arrow. To start play again, slide **PAUSE** in the opposite direction.
9. The tape automatically stops when it reaches the end. To stop it sooner, press **STOP**.

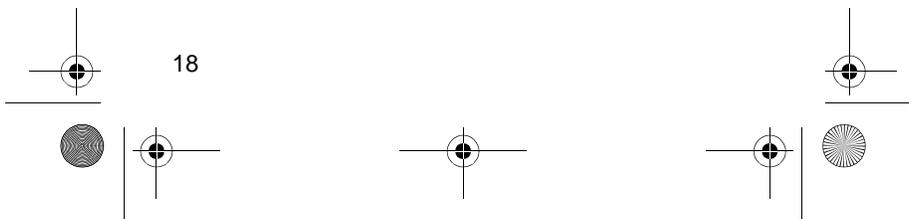
To fast forward the tape, press **FAST-F/CUE**. The button locks down. To rewind the tape, press **REW/REVIEW**. The button locks down. To release either control, press **STOP**.



Note: If you press either **FAST-F/CUE** or **REW/REVIEW** while the tape plays, you hear the sound as the tape moves. This lets you quickly locate specific parts of the tape. Release **FAST-F/CUE** or **REW/REVIEW** to resume play. Press **STOP** to stop playback.

Using the Tape Counter

The tape counter shows you a tape's current position. Before recording, press the tape counter button to reset the counter to 000. Then, as the tape counter moves, you can note specific points on the tape to return to during playback.



TAPE TIPS

Tape Quality

For the best performance, use only regular length (60- or 90-minute) cassette tapes. We do not recommend long-playing cassette tapes, such as C-120s, because they are extremely thin and can easily tangle in the playback mechanism.

Restoring Tape Tension and Sound Quality

After you play a cassette tape 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.

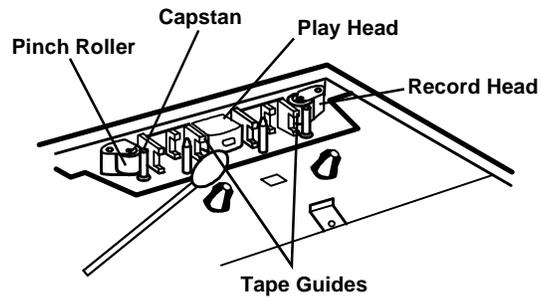
Cleaning the Tape-Handling Parts

Dirt, dust, or particles of the tape's coating can accumulate on the tape head and other parts that the tape touches. This can reduce the SCR-100's performance.

After every 20 hours of tape player operation, follow these steps to clean the tape-handling parts or use a cassette deck cleaning kit available from your local RadioShack store.

1. Remove the batteries and disconnect any other power source.
2. Open the cassette compartment door and press **PLAY** to expose the tape-handling parts.

3. Use a cotton swab dipped in denatured alcohol or tape head cleaning solution to clean the tape guides, record head, play head, pinch roller, and capstan.



4. When you finish cleaning, press **STOP** and close the cassette compartment door, then reconnect power.

CARE

Your Optimus SCR-100 Stereo Cassette Player/Recorder is an example of superior design and craftsmanship. The following suggestions will help you care for the SCR-100 so you can enjoy it for years.

- Keep the SCR-100 dry. If it gets wet, wipe it dry immediately.
- Use and store the SCR-100 only in normal temperature environments.
- Handle the SCR-100 gently and carefully. Do not drop it.
- Keep the SCR-100 away from dust and dirt.
- Occasionally wipe the SCR-100 with a damp cloth to keep it looking new.

Modifying or tampering with the SCR-100's internal components can cause a malfunction and might invalidate its warranty. If your SCR-100 is not performing as it should, take it to your local RadioShack store for assistance.

SPECIFICATIONS

Power Requirements	3V DC Two AA Batteries 12V DC with optional DC adapter 120V AC with optional AC adapter
Tape System	2-Track, Stereo
Tape Speed	1 ⁷ / ₈ ips (4.75 cm/s)
Frequency Response	125 Hz–8 kHz (at –6dB)
Signal-to-Noise Ratio	45 dB
Wow and Flutter	0.35%
Dimensions (HWD)	3 ³ / ₈ × 4 ³ / ₄ × 1 ⁵ / ₁₆ Inches (86 × 120 × 33.5 mm)
Weight (without batteries)	6.5 oz (180 g)

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

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.

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.

RadioShack Customer Relations, 200 Taylor Street, 6th Floor,
Fort Worth, TX 76102

We Service What We Sell

04/99

08A99

Printed in Hong Kong