

Cat. No. 14-1098
OWNER'S MANUAL

Please read before using this equipment.

SCP-80

sports

**AM•FM Stereo Cassette
Player with Auto-Reverse**

OPTIMUS®

FEATURES

2

Your Optimus SCP-80 Sports AM• FM Stereo Cassette Player with Auto-Reverse is portable and easy to operate. It delivers excellent sound through your speakers or stereo headphones and includes these features:

All Weather Design — the sealed cassette compartment protects your tape from wind, dust, and rain.

Auto-Reverse — automatically plays the other side of a cassette tape when one side ends, for continuous tape play.

E-Bass — provides richer, fuller bass.

Fast-Forward and Rewind — let you quickly find a desired portion of a cassette tape.

Removable Belt Clip — allows hands-free carrying.

Note: You need two AA batteries to power the SCP-80. You also need a pair of stereo headphones or amplified speakers (neither supplied), with a 1/8-inch plug, to listen to the SCP-80. Your local RadioShack store carries a wide selection of batteries, headphones, and speakers.

© 1997 Tandy Corporation.
All Rights Reserved.

Optimus and RadioShack are registered trademarks
used by Tandy Corporation.

2

CONTENTS

Preparation	4
Installing Batteries	4
Using Headphones or Speakers	6
Listening Safely	7
Traffic Safety	7
Using the Belt Clip	8
Using the Radio	9
Using the Cassette Player	12
Playing a Cassette Tape	12
Using Fast-Forward and Rewind	16
Care and Maintenance	17
The FCC Wants You to Know	18
Tape Tips and Techniques	18
Cleaning the Tape-Handling Parts	18
Restoring Tape Tension and Sound Quality	20
Specifications	21

PREPARATION

INSTALLING BATTERIES

Your SCP-80 is powered by two AA batteries (not supplied). We recommend alkaline batteries (such as RadioShack Cat. No. 23-557). You can also use rechargeable nickel-cadmium batteries (Cat. No. 23-125). If you use rechargeable batteries, you also need a battery charger (Cat. No. 23-133).

Follow these steps to install batteries.

1. Pull up the cassette compartment cover. The cassette compartment door opens easily.

Illustration

2. Press the battery compartment cover's tab in the direction of the arrow and the battery cover pops open.

Illustration

4

-
-
- Put the batteries into the compartment as indicated by the polarity symbols (+ and -) marked inside the battery cover.

Cautions:

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

- Close the battery compartment cover, then close the cassette compartment door and cover.

Cautions:

- Never leave dead or weak batteries in the SCP-80.
- If you do not plan to use the SCP-80 for a month or more, remove the batteries.
- Always dispose of old batteries promptly and properly. Do not bury or burn them.

When the sound becomes weak or distorted, replace (alkaline) or recharge (Ni-Cd) the batteries.

Important: Your SCP-80 can use rechargeable nickel-cadmium batteries. At the end of the batteries' useful life, they must be recycled or disposed of properly. Contact your local, county, or state hazardous waste management authorities for information on recycling or disposal programs in your area. Some options that might be available are: municipal curbside collection, drop-off boxes at retailers such as your local RadioShack store, recycling collection centers, and mail-back programs.

USING HEADPHONES OR SPEAKERS

To listen to the SCP-80, you need to connect a pair of headphones or amplified speakers with a 1/8-inch plug.

Pull out the attached rubber plug from the SCP-80's **PHONES** jack, then plug in the headphones' or speakers' 1/8-inch plug.

Illustration

When you are not using your SCP-80 and headphones or speakers are disconnected, insert the rubber plug back into the **PHONES** jack to protect against moisture and dust.

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 cause a traffic hazard and can be illegal in some areas.

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

USING THE BELT CLIP

For hands-free carrying, slide the belt clip over your belt.

Illustration

To remove the clip, turn the screw's **LOCK** counterclockwise. Then lift off the clip.

Illustration

To replace the clip, position the clip as shown, put the tip of the screw back into the screw hole, and turn the screw's **LOCK** clockwise until it is tight.

USING THE RADIO

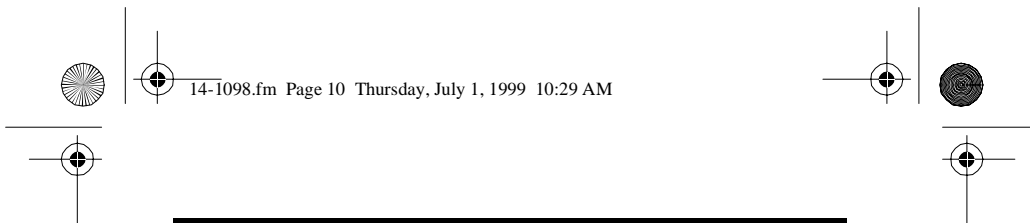
Important: Make sure you have connected headphones or speakers to the SCP-80.

Illustration

1. Set **AM/FM/TAPE/RADIO OFF** to **FM** or **AM**.
2. Adjust **VOLUME** as desired.
3. Rotate **TUNING** to select a radio station.

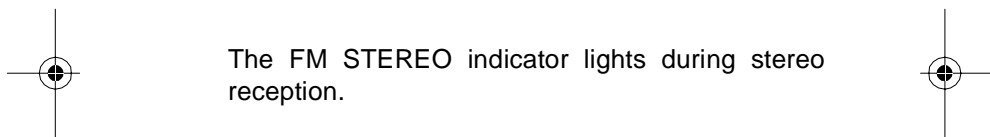
Notes:

- The SCP-80 has a built-in AM antenna, and the headphones' or speakers' cord serves as an FM antenna. For the best AM reception, rotate the SCP-80. For the best FM reception, fully uncoil the headphones' or speakers' cord.



- For FM stereo reception, pull up the cassette compartment cover, open the cassette compartment door, and set **FM** to **ST**. Close the cassette compartment door and cover.

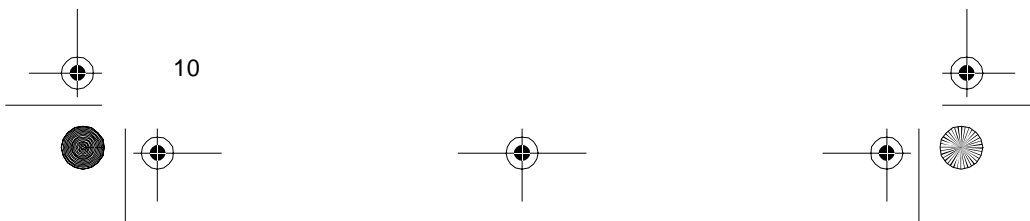
Illustration



The FM STEREO indicator lights during stereo reception.

Illustration

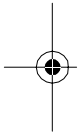
If FM stereo reception is poor or noisy, set **FM** to **MONO**.



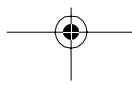
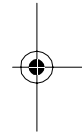


-
4. To enhance the bass, pull up the cassette compartment cover, open the cassette compartment door, and set **BASS** to **ON**. For normal bass sound, set it to **OFF**. Close the cassette compartment door and cover.

Illustration



5. To turn off the radio, set **AM/FM/TAPE/RADIO OFF** to **TAPE/RADIO OFF**.



USING THE CASSETTE PLAYER

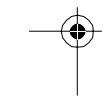
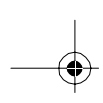
PLAYING A CASSETTE TAPE

Important: Make sure you have connected headphones or speakers to the SCP-80.

Note: Avoid using C-120 cassette tapes. They are very thin and can easily become tangled in the tape-handling parts.

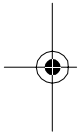
1. Set **AM/FM/TAPE/RADIO OFF** to **TAPE/RADIO OFF**.
2. Pull up the cassette compartment cover. The cassette compartment door opens easily.

Illustration

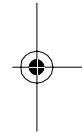


-
-
3. Take up any slack in the cassette tape by turning its hub with your finger or a pencil. If you do not remove excess slack, the tape might become tangled in the play mechanism. Avoid touching the tape.

Illustration

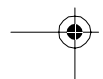
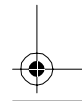
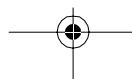
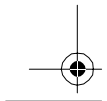


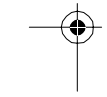
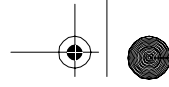
4. With its open edge facing up, insert the tape as shown.



Illustration

5. Close the cassette compartment door and cover.



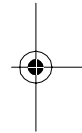


6. Press **PLAY** to play the cassette.

Illustration

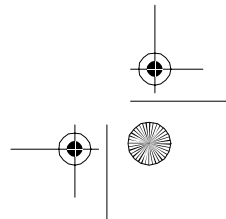
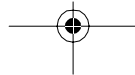
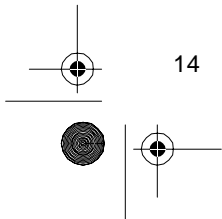
Notes:

- After playing to the end of each side, the tape automatically changes direction and plays the other side.
- To manually change the tape's direction to play the other side, move **DIR** to the other position.



Illustration

7. Adjust **VOLUME** to a comfortable listening level.



-
- To enhance the bass, pull up the cassette compartment cover, open the cassette compartment door, and set **BASS** to **ON**. For normal bass sound, set it to **OFF**. Close the cassette compartment door and cover.

Illustration

- Press **STOP** to stop playback.

Illustration

USING FAST-FORWARD AND REWIND

To fast-forward or rewind the tape, press ◀◀ or ▶▶.

Illustration

The following table shows which button to press, based on the current setting of **DIR**.

DIR Switch Setting	To Fast-Forward	To Rewind
Left	▶▶	◀◀
Right	◀◀	▶▶

When the SCP-80 reaches the desired portion of the tape, press **STOP**. Then press **PLAY** to resume playback.

CARE AND MAINTENANCE

2

Your Optimus SCP-80 Sports AM• FM Stereo Cassette Player with Auto-Reverse is an example of superior design and craftsmanship. The following suggestions will help you care for the SCP-80 so you can enjoy it for years.

- Keep the SCP-80 dry. If it gets wet, wipe it dry immediately. Liquids can contain minerals that corrode the electronic circuits.
- Use and store the SCP-80 only in normal temperature environments. Temperature extremes can shorten the life of electronic devices, damage batteries, and distort or melt plastic parts.
- Handle the SCP-80 gently and carefully. Dropping it can damage the circuit board and case, and can cause it to work improperly.
- Keep the SCP-80 away from dust and dirt, which can cause premature wear of parts.
- Wipe the SCP-80 with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean it.

Modifying or tampering with the SCP-80's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If your SCP-80 is not performing as it should, take it to your local RadioShack store for assistance.

THE FCC WANTS YOU TO KNOW

Your SCP-80 might cause TV or radio interference even when it is operating properly. To determine whether your SCP-80 is causing the interference, turn it off. If the interference goes away, your SCP-80 is causing it. Try to eliminate the interference by:

- Reorienting or relocating the receiving antenna
- Moving your SCP-80 away from the receiver
- Contacting your local RadioShack store for help

TAPE TIPS AND TECHNIQUES

Cleaning the Tape-Handling Parts

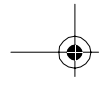
Dirt, dust, or particles of the tape's coating can build up on the tape heads and other parts that the tape touches. This can greatly reduce the SCP-80's performance. Use the following cleaning procedure after every 20 hours of operation. Your local RadioShack store carries a full line of cassette deck cleaning supplies.

1. Pull up the cassette compartment cover and open the cassette compartment door.

-
2. Press the battery compartment cover's tab in the direction of the arrow and the cover pops open. Then remove the batteries.
 3. Press **PLAY** to expose the tape-handling parts.
 4. Use a cotton swab dipped in tape head-cleaning solution or denatured alcohol to gently clean the play head, pinch roller, capstans, and tape guides.

Illustration

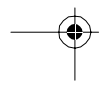
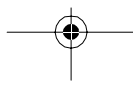
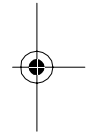
5. When you finish cleaning, press **STOP**. Then reinstall the batteries and close the cassette compartment door and cover.



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.



SPECIFICATIONS

RADIO

	AM	FM
Frequency Range	530–1710 kHz	88–108 MHz
IF Rejection	46 dB	60 dB
Image Rejection	38 dB	26 dB
Selectivity	21 dB	15 dB
Signal-to-Noise (S/N) Ratio	30 dB	55 dB
Stereo Separation	—	26 dB
Usable Sensitivity	1500 μ V/m	10 μ V

CASSETTE PLAYER

Cassette Mechanism	Auto-Reverse
Wow and Flutter	0.25% or Less
Signal-to-Noise Ratio	46 dB
Separation	36 dB
Frequency Response (at -2 dB)	125 Hz–6 kHz

GENERAL

Power Requirements DC 3 V (2 AA Batteries)

Continuous Playing Time (with Alkaline Batteries):

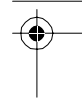
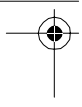
 Tape About 18 Hours

 Radio About 40 Hours

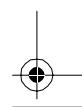
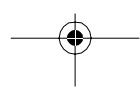
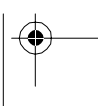
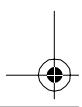
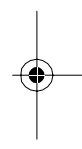
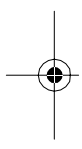
Dimensions (HWD) $4\frac{1}{8} \times 5 \times 1\frac{3}{4}$ Inches
(105 × 127 × 44.5 mm)

Weight (Without Batteries) 10.2 oz
(289 g)

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



NOTES



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, Dept. W,
100 Throckmorton St., Suite 600, Fort Worth, TX 76102

We Service What We Sell

3/97

RadioShack
A Division of Tandy Corporation
Fort Worth, Texas 76102

7A7

Printed in Hong Kong