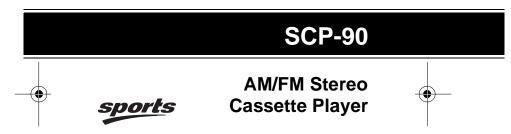


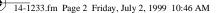
Cat. No. 14-1233 OWNER'S MANUAL

Please read before using this equipment.















FEATURES

Your Optimus SCP-90 AM/FM Stereo Cassette Player is lightweight, portable, and easy to operate. It delivers excellent sound through the supplied in-ear sports headphones or through your speakers, and includes these features:

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



Auto-Stop — automatically stops tape playback at the end of a tape side to protect the tape-handling parts.

Bass Boost — provides richer, fuller bass sound.



Three Power Sources — let you power the SCP-90 from internal batteries, AC power, or vehicle battery power.

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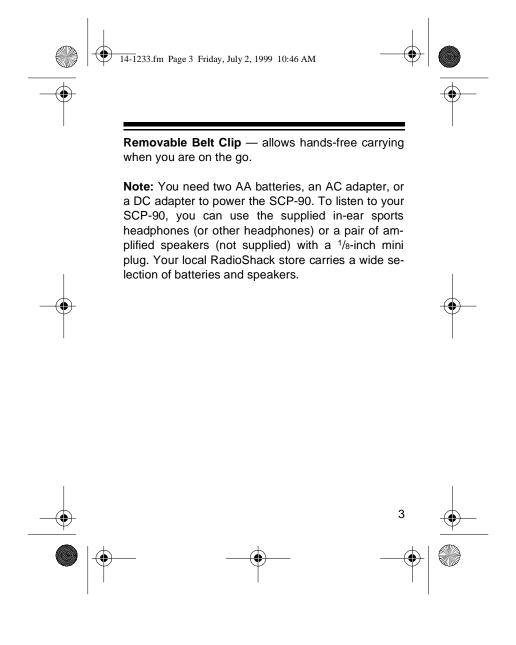














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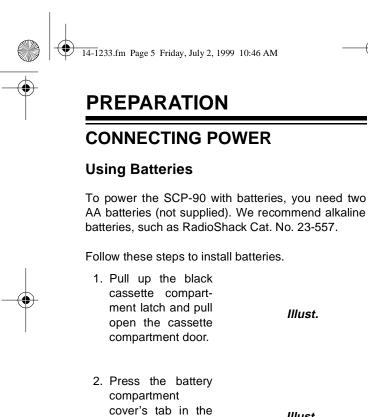


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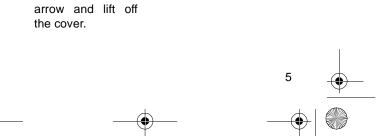




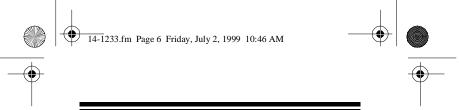




direction of the



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3. Install the batteries over the ribbon, as indicated by the polarity symbols (+ and –) marked inside the compartment.

Cautions:

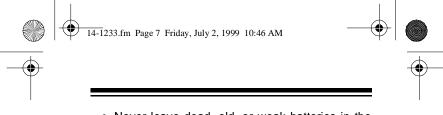
- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.
- 4. Replace the battery compartment cover, then close the cassette compartment door and latch.

If the SCP-90 does not operate properly or if the sound becomes weak or distorted, replace the batteries.

Cautions:

 Always dispose of old batteries promptly and properly.





- Never leave dead, old, or weak batteries in the SCP-90. Batteries can leak chemicals that can corrode or damage electronic circuits.
- If you do not plan to power the SCP-90 with batteries for several days, or if you plan to power it using only an AC or DC adapter, remove the batteries to protect the SCP-90 from possible battery leakage.



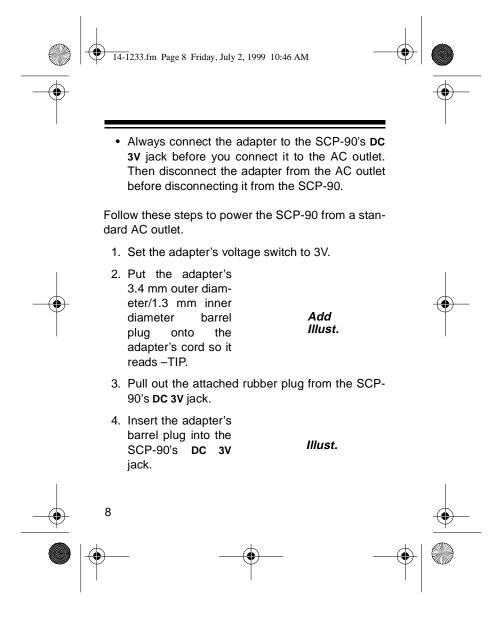
Using AC Power

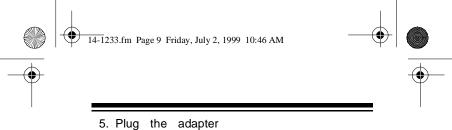
To power the SCP-90 with standard AC power, you need an optional AC adapter, such as RadioShack Cat. No. 273-1654.



 The recommended AC adapter supplies 3 volts and delivers at least 250 milliamps. Its center tip is set to negative, and its barrel plug correctly fits the SCP-90's DC 3V jack. Using an adapter that does not meet these specifications could damage the SCP-90 or the adapter.







Plug the adapter into a standard AC outlet.

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Notes:



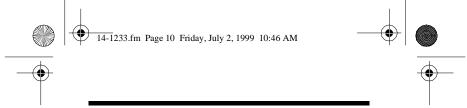
- Internal batteries (if installed) automatically disconnect when you plug the AC adapter into the SCP-90.
- Disconnect the adapter and reinsert the jack's rubber plug when you are not using the SCP-90.



Using Vehicle Battery Power

To power the SCP-90 from your vehicle's cigarette-lighter socket, you need an optional DC adapter, such as RadioShack Cat. No. 270-1560.





Cautions:

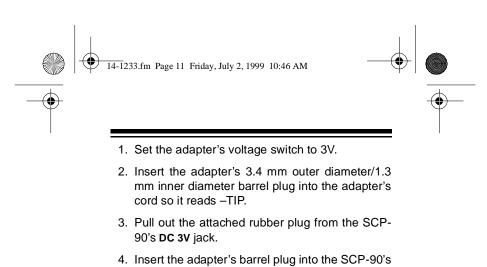
- The recommended DC adapter supplies 3 volts and delivers at least 250 milliamps. Its center tip is set to negative, and its barrel plug correctly fits the SCP-90's DC 3V jack. Using an adapter that does not meet these specifications could damage the SCP-90 or the adapter.
- Always connect the adapter to the SCP-90's DC 3V jack before you connect it to the cigarettelighter socket. Then disconnect the adapter from the cigarette-lighter socket before disconnecting it from the SCP-90.



Follow these steps to power the SCP-90 from your vehicle's cigarette-lighter socket.

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Notes:

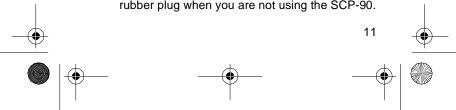
DC 3V jack.

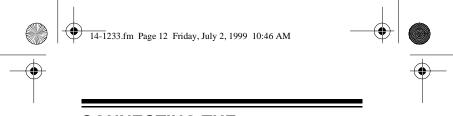
lighter socket.

 If the SCP-90 does not operate properly when you use DC power, be sure the cigarette-lighter socket is clean and that the adapter's plug is pushed all the way into the socket.

5. Plug the adapter into the vehicle's cigarette-

- Internal batteries (if installed) automatically disconnect when you plug the adapter into the DC 3V jack.
- Disconnect the adapter and reinsert the jack's rubber plug when you are not using the SCP-90.





CONNECTING THE HEADPHONES OR SPEAKERS

To listen to your SCP-90, connect the supplied in-ear sports headphones (or other headphones) or a pair of amplified speakers (not supplied) with a $^{1}\!/_{8}$ -inch mini plug.



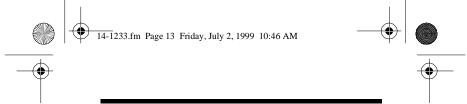
Pull out the attached rubber plug from the SCP-90's **PHONES** jack, then plug in the headphones' or speakers' 1/8-inch plug.



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When you are not using your SCP-90 and headphones or speakers are disconnected, put 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 the headphones.

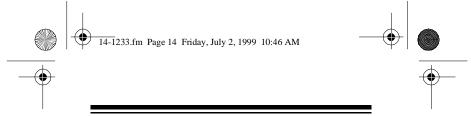
- Set the volume to the lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels.
 Extended high-volume listening can lead to permanent hearing loss.
- Once you set the volume, do not increase it.
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

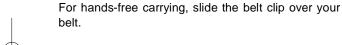
Do not wear headphones while operating a motor vehicle or riding a bicycle. This can cause a traffic hazard and can be illegal in some areas.





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

USING THE BELT CLIP



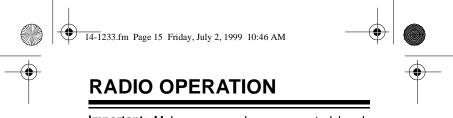


To remove the belt clip, use a Phillips screwdriver to loosen the screw holding the clip. Then lift off the clip.

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To replace the belt clip, position it as shown, then replace and tighten the screw.





Important: Make sure you have connected headphones or speakers to the SCP-90.

1. Set RADIO OFF/TAPE/FM ST/AM to FM ST or AM to turn on the radio.

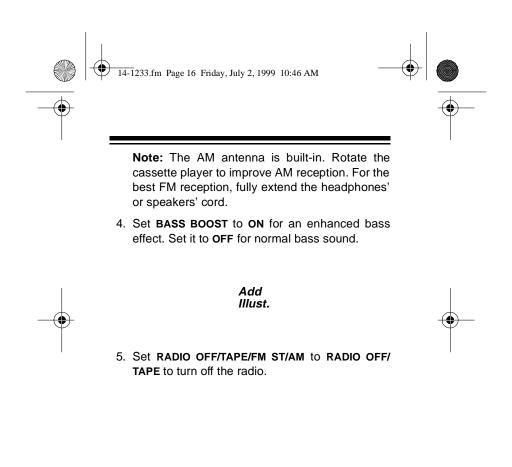
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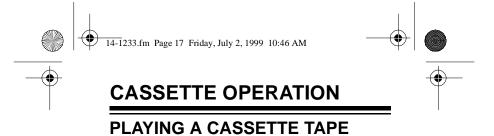


- 2. Adjust **VOLUME** to the desired listening level.
- 3. Turn **TUNING** to select the desired station.

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1. Take up any slack in the tape by turning the cassette's hub with a pencil. Do not touch the exposed tape.

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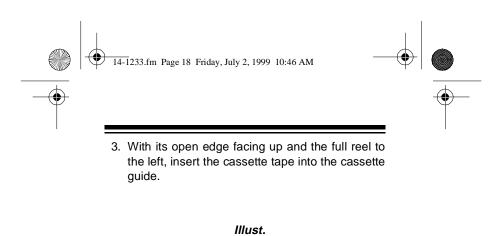




2. Pull up the cassette compartment latch and pull open the door.

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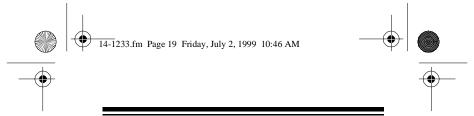


- 4. Close the door and the latch.
- 5. Set RADIO OFF/TAPE/FM ST/AM to RADIO OFF/ TAPE.



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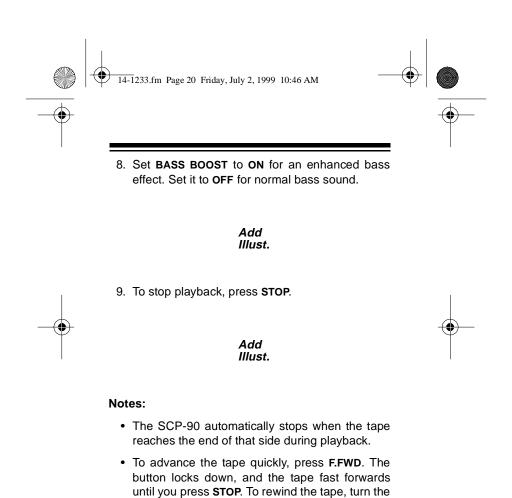
6. Press PLAY to start play.

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7. Adjust ${f VOLUME}$ to the desired listening level.

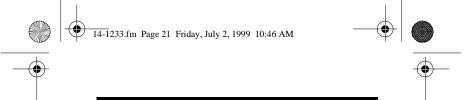






tape over and press F.FWD.

20



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.

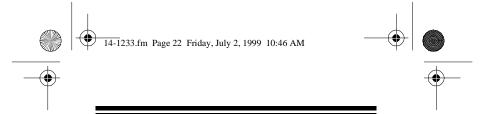


Restoring Tape Tension and Sound Quality

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 turn it over and completely fast-forward the other side. 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.















MAINTENANCE

Your Optimus SCP-90 AM•FM Stereo Cassette Player is an example of superior design and craftsmanship. The following suggestions will help you care for the SCP-90 so you can enjoy it for years.

- Keep the SCP-90 dry. If it gets wet, wipe it dry.
- Use and store the SCP-90 only in normal temperature environments.
- Handle the SCP-90 gently and carefully. Don't drop it.
- Keep the SCP-90 away from dust and dirt.
- Occasionally wipe the SCP-90 with a damp cloth to keep it looking new.

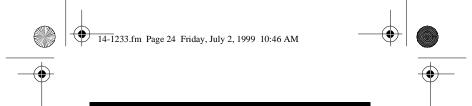
Modifying or tampering with the SCP-90's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If your SCP-90 is not performing as it should, take it to your local RadioShack store for assistance.











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 SCP-90's performance.

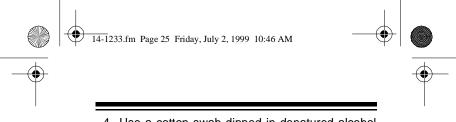
Follow these steps to clean the tape-handling parts after about every 20 hours of tape player operation.

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



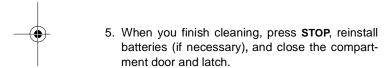
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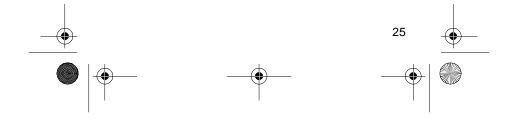
 Use a cotton swab dipped in denatured alcohol or tape head cleaning solution to clean the playback head, pinch roller, capstan and tape guides.

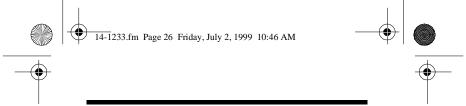
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Note: Your local RadioShack store sells a complete line of cassette deck cleaning supplies.





FCC INFORMATION

Your SCP-90 might cause TV or radio interference even when it is operating properly. To determine whether your SCP-90 is causing the interference, turn off your SCP-90. If the interference goes away, your SCP-90 is causing it. Try to eliminate the interference by:

- Moving your SCP-90 away from the receiver
- Connecting your SCP-90 to an outlet that is on a different electrical circuit from the receiver
- Contacting your local RadioShack store for help





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SPECIFICATIONS

GENERAL

Weight (Without Batteries) 9.2 oz (260 g)



RADIO

Frequency Range FM 88–108 MHz AM 530–1710 kHz



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

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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.

riod. 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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