



Portable CD

with 10 Second Anti-Shock



Owner's Manual
Please read before using this equipment.

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□ *The FCC Wants You to Know*

This CD player is made and tested to meet exacting safety standards. It meets FCC requirements and complies with safety performance standards of the U.S. Department of Health and Human Services.

Warnings:

- This CD player employs a laser light beam. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.
- The use of controls, adjustments, or procedures other than those specified herein might result in hazardous radiation exposure.
- You must use shielded interface cables with this equipment.

This equipment complies with the limits for a Class B digital device as specified in Part 15 of *FCC Rules*. These limits provide reasonable protection against radio and TV interference in a residential area. However, your equipment might cause TV or radio interference even when it is operating properly. To eliminate interference, you can try one or more of the following corrective measures:

- reorient or relocate the receiving antenna
- increase the distance between the equipment and the radio or TV

- use outlets on different electrical circuits for the equipment and the radio or TV

Consult your local RadioShack store if the problem still exists.

Features

Your RadioShack Portable CD Player uses the latest digital audio technology to deliver the clean, crisp sound of compact discs. You can use optional stereo earphones for portable, private listening or, you can connect the CD player to your home audio or auto-sound system using an optional adapter.

Auto Power Off — automatically turns the CD player off 30 seconds after it finishes playing to help preserve battery life.

Eight-Times Over-sampling with Digital Filtering — improves the CD's sound by multiplying the standard 44.1kHz sample rate by eight and using a digital filter to reduce or eliminate distortion.

Eight-Hour Battery Life — you can play your CD player for up to 8 hours on just two AA alkaline batteries (with the anti-shock feature turned off).

Important: You need a pair of stereo headphones, earphones, or amplified speakers to use your CD player. Your local RadioShack store carries a complete line of headphones, earphones, and speakers.

Note: Look for this marking to find CDs that can be played on this CD player.



The CD player's advanced technology makes it simple to operate. However, be sure you read this Owner's Manual completely so you can take advantage of all its advanced features.

□ *Preparation*

USING BATTERIES

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

You can also use rechargeable Ni-Cd batteries to power your CD player.


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

Cautions:

- Use only fresh (or freshly charged) 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.
- If you do not plan to use the CD player with batteries for a month or longer, or if you plan to use only AC or DC power, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.

Note: Before you use the CD player with Ni-Cd batteries, you need to charge them in an external battery charger (available at your local RadioShack store).

1. Slide the battery compartment cover in the direction of the arrow to remove it.
2. Place the batteries in the compartment, on top of the attached ribbon, as indicated by the polarity symbols (+ and -) marked inside.
3. Replace the cover.

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

Important: The EPA certified RBRC[®] Battery Recycling Seal on the nickel-cadmium (Ni-Cd) battery indicates RadioShack is voluntarily participating in an industry program to collect and recycle these batteries at the end of their useful life, when taken out of service in the United States or Canada. The RBRC program provides a convenient alternative to placing used Ni-Cd batteries into the trash or the municipal waste stream, which may be illegal in your area. Please call 1-800-THE-SHACK (1-800-843-7422) for information on Ni-Cd battery recycling and disposal bans/restrictions in your area. RadioShack's involvement in this program is part of the company's commitment to preserving our environment and conserving our natural resources.



USING AC OR DC POWER

To power the CD player from an AC outlet or your vehicle's battery power, you need an AC or DC adapter and a size B Adaptaplug™ (neither supplied, available at your local RadioShack store).

Cautions:



You must use a (Class 2 for AC) power source that supplies 4.5V DC and delivers at least 600 mA. Its center tip must be set to positive and its plug must fit the CD player's **DC IN 4.5V** jack. Using an adapter that does not meet these specifications could damage the CD player or the adapter.

- Always connect the adapter to the CD player before you plug it into the power source, and unplug the adapter from the power source before you unplug it from the CD player.
1. If necessary, set the adapter's voltage switch to 4.5V.
 2. Attach the Adaptaplug to the adapter's cord with the tip set to positive (+).
 3. Insert the barrel plug into the recorder's **DC IN 4.5V** jack. This disconnects the internal batteries.
 4. Plug the other end of the adapter into the power source.

Note: If the CD player does not operate when you use the DC adapter, unplug the cord from the cigarette-lighter socket and clean any ashes or debris from the socket.

CONNECTING EARPHONES OR HEADPHONES

For private listening, connect optional stereo earphones or headphones with a 1/8-inch (3.5mm) plug to the **PHONES** jack on the CD player.

Listening Safely

To protect your hearing, follow these guidelines when you use earphones or 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 earphones or 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 earphones and headphones let you hear some outside sounds when listening at normal volume levels, they still can present a traffic hazard.

CONNECTING AMPLIFIED SPEAKERS

You can also listen to your CD player through amplified speakers. Plug the speaker cable's 1/8-inch (3.5-mm) plug into the CD player's **PHONES** jack.

Operation

LOADING A CD

Caution: To help prevent dust from entering the CD player, always keep the CD compartment cover closed except when loading or unloading CDs.


1. Press **OPEN** and lift the CD compartment cover.
2. Remove the protective sheet from inside the CD compartment.
3. Carefully place a CD, label side up, over the center hub inside the CD compartment, and press the CD down onto the hub.
4. Close the cover.

Note: To remove a CD, lift up the CD while pressing the center hub's button.

SUPER ANTI-SHOCK SYSTEM (SAS)

Your CD player contains a special circuit to overcome sound skipping problems caused by shock or vibration. This means

you can carry the CD player anywhere you go, or use it in your vehicle. When you turn on the anti-shock system, the CD player continuously saves 10 seconds of music in its memory. During a shock or vibration that would normally make a track skip or pause, the CD player plays directly from memory.

The CD player is preset to turn on the anti-shock system when it starts up. Repeatedly press **SAS** to turn anti-shock on or off.  (the anti-shock icon) appears when anti-shock is on.

Notes:

- The CD player consumes additional battery power when you use the anti-shock system. When you use the CD player in a stable location, turn off SAS to save battery power.
- When you press **SAS** to turn anti-shock on or off, the CD player's sound cuts out for about 2 seconds.

AUTOMATIC SEARCH MUSIC SYSTEM (ASMS)

You can use ASMS to quickly locate any track on a CD.

While the CD is stopped, repeatedly press **⏮** or **⏭** to move backward or forward to the desired track. Press **▶||** to play the desired track.

During play, press **⏮** to return to the beginning of the current track. Press **⏮** twice to return to the beginning of the previous track. To move to the beginning of the next track, press **⏭**.

PLAYING A CD

Warning: To protect your hearing if you are using earphones or headphones, set **VOLUME** to its lowest setting before you play a CD.

1. Press **▶/||**. The CD player turns on. **10 SEC** and **■** appear. Then **--** flashes briefly. The total number of tracks and total elapsed playing time appear, then Track 1 plays.
2. Adjust **VOLUME** on the side of the CD player.
3. To pause playing, press **▶/||**. The elapsed time flashes. To resume playing, press **▶/||** again.
4. When the last track finishes playing, the CD stops.

The total number of tracks and total playing time of the CD appears for about 30 seconds, then the CD player automatically turns off.

To turn it off sooner, press **■**.

Audible Search

To search forward or backward during play, hold down **⏮** or **⏭**. The CD plays rapidly and you hear the sound at a high speed and low volume. The current track's elapsed time appears.

Release **⏮** or **⏭** to resume normal play.

Note: If you hold down **⏭** while the last track is playing, audible search stops at the end of the last track. If you hold down **⏮**

during the first track, audible search stops at the beginning of the first track, then plays Track 1.

Intro Scan

You can set the CD player to play the first 10 seconds of each track on the CD, so you can find the track you want to listen to.

To begin scanning while a CD is playing, repeatedly press **MODE** until **INTRO** flashes, then press **▶/II**. Intro scan starts from the first track.

Note: You can use **◀◀** or **▶▶** to skip through the tracks while scanning.

Repeat Play

You can repeat a single track on the CD, all tracks on the CD, or a programmed sequence (see “Programmed Play” on Page 13).

To repeat a single track, press **MODE** while the desired track is playing. **◻▶ 1** appears. The CD player continuously replays the selected track.

To repeat all tracks, repeatedly press **MODE** until **◻▶ ALL** appears.

Note: When the CD player reaches the end of the CD or the programmed sequence, it returns to the first track and replays all the tracks.

To cancel repeat play, repeatedly press **MODE** until **◻▶ 1** or **◻▶ ALL** disappear.

Random Play

You can set the CD player to randomly play all the tracks once, then automatically stop.

*To start random play, repeatedly press **MODE** until **SHUFF** appears, then press **▶/II**.*

*To start random play from the current track, repeatedly press **MODE** until **SHUFF** flashes. Random play begins after the current track ends.*

*To cancel random play, repeatedly press **MODE** until **SHUFF** disappears.*

Programmed Play

You can program up to 20 tracks from the loaded CD to play in any order you choose. You can program the same track to play more than once.

1. With the power on, repeatedly press **PROG**. **PROG** flashes.
2. Repeatedly press either **◀◀** or **▶▶** until the number of the first track you want to store appears.
3. Press **PROG** again to store the selected track number and advance to the next selection.

Note: If the CD is playing while you are programming and you press **■** to cancel the programming, the CD continues to play.

4. Repeat Steps 2 and 3 for each track you want to store (up to 20 tracks).

Note: If you try to store more than 20 tracks in memory, the CD player replaces the first tracks stored.

5. To play the programmed sequence, press **▶/||**. The first track in the sequence plays.
6. Press **◀◀** or **▶▶** to move backward or forward in the sequence.
7. Press **■** to stop play.

Note: The CD player automatically stops after the last programmed track ends.

8. To replay the programmed sequence, press **PROG. PROG** flashes. Then press **▶/||**.

Note: If you do not replay the programmed sequence within 30 seconds after play stops, the CD player turns off and clears the programmed sequence.

9. To clear the programmed sequence from memory, press **■** twice or open the CD compartment cover.

LOCKING THE CONTROLS

You can protect your CD player from accidental program changes by locking all of the controls, except **VOLUME** and **OPEN**.

*To lock the controls, slide **HOLD ON/OFF** to **ON**. **HOLD** appears.*

*To unlock the controls, slide **HOLD ON/OFF** to **OFF**.*

Troubleshooting

We do not expect you to have any problems operating your CD player, but if you do, try the following suggestions. If they do not solve the problem, contact your local RadioShack service center for assistance.

Problem	Possible Cause	Solution
The CD player does not work.	HOLD is set to ON .	Slide HOLD to OFF .
No power	Be sure the batteries are fresh.	Make sure the AC or DC adapter is properly connected and the adapter's fuse has not blown.
A CD is loaded, but the CD player does not start.	The CD is loaded upside-down.	Reload the CD, label side up.
	The CD is dirty or defective.	Clean the CD and reload it, or try a different CD. See "CD Care Tips" on Page 17.
The CD's sound skips.	The CD is dirty or defective.	Clean the CD and reload it, or try a different CD. See "CD Care Tips" on Page 17.
	Vibration is excessive.	Turn on anti-shock (see "Super Anti-Shock System (SAS)" on Page 9).
		Place the CD player in a different location.
Moisture has condensed on the pickup lens.	Wait 1 hour for the moisture to evaporate.	

Care

Keep the CD player dry; if it gets wet, wipe it dry immediately. Use and store the CD player only in normal temperature environments. Handle the CD player carefully; do not drop it. Keep the CD player away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

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

CD CARE TIPS

Even though a compact disc is durable, treat the CD surface with care.

- Do not write on either side of the CD, particularly the non-label side (signals are read from the non-label side).
- Do not store CDs in high temperature or high humidity areas. They might warp.
- Keep CDs dry. A water drop can act as a lens and affect the laser beam's focus.
- Always handle a CD by the edges to avoid fingerprints and always keep it in its protective case or sleeve when it is not in use. Fingerprints and scratches on the CD's surface can prevent the laser beam from correctly reading the digital information. If the CD gets scratched, use RadioShack Scratch 'n Fix to repair the disc.

Specifications

AUDIO

Frequency Response	20–20,000 Hz (\pm 3 dB)
Dynamic Range	80 dB
Signal-to-Noise Ratio.....	80 dB
Harmonic Distortion at 1 kHz.....	0.15%
Separation at 1 kHz	60 dB
Earphones Output (10% THD at 32 Ohm).....	15 mW + 15 mW

SIGNAL FORMAT

Sampling Frequency.....	44.1 kHz
Over sampling	8 Times
Quantization Number.....	1-Bit Linear/Channel
Transmission Bit Rate.....	4.3218 Mb/Second
Signal-Processing Rate	352.8 kHz

PICK-UP

Tracking System	3-Beam Tracking Servo Type
Object Lens Drive System	2-Dimensional Parallel Drive
Optical Source	Semiconductor Laser
Wavelength.....	785 nm+/-25nm

GENERAL

Power Requirements	DC 3V 2 AA Alkaline Batteries (not supplied) Rechargeable Ni-Cd Batteries (not supplied) DC Adapter (not supplied) AC Adapter (not supplied)
Power Consumption	8 W

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 limitations on how long an implied warranty lasts or the exclusion or limitation 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.

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