RadioShack®
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Portable CD Player

with AM/FM Tuner

Owner's Manual

Please read before using this equipment.

ADDENDUM

Portable CD Player
with AM/FM Tuner

Cat. No. 42-6013

If you connect an AC or DC adapter to the CD player, you can set the CD player to charge Ni-Cd batteries (RSU 11672508) inside the CD player's battery compartment (see "Charging Rechargeable Batteries" in your Owner's Manual). If you plan to use this feature, you must use the recommended batteries.

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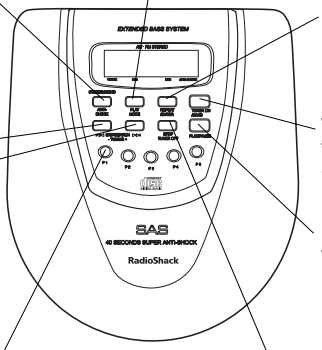
❒ Features



PLAY MODE — repeatedly press to alternate between Intro Scan, Programmable Play, and Random Play.

STEREO/MONO or ANTI-SHOCK — switch between stereo and mono radio sound, or activate Super Anti-Shock System (SAS) in CD mode for uninterrupted play.

REPEAT/ENTER — press to automatically repeat a single track, an entire CD, or to confirm a selection.

⏮ SKIP/SEARCH ⏭ and – TUNING + — while in CD mode, lets you quickly locate and play any track on a CD. Also helps you locate a particular section of a track by rapidly playing the CD in either direction. While in tuner mode, lets you tune to the desired station.

TUNER ON/BAND — press to turn on the radio and switch between AM, FM1, FM2, or FM3.

PLAY/PAUSE — press to listen to the CD, or press while a CD is playing to temporarily pause play.

Memory Buttons (P1–P5) — store up to 20 radio stations (15 FM and 5 AM) in memory, so you can quickly tune to a stored station by pressing a button.

STOP/TUNER OFF — press to stop playing a CD or to turn off the radio.

Your RadioShack Portable CD Player uses the latest digital audio technology to give you the clean, crisp sound of compact discs. You can use the supplied lightweight headphones for private listening, or you can connect the CD player to amplified speakers or your home or car audio system. The CD player's advanced technology makes it simple to operate.

Hold — prevents accidentally changing the CD player's settings during play and preserves battery life by locking most controls.

Extended (E-) Bass System — creates a fuller bass sound.

Eight-Times Oversampling with Digital Filtering — improves the CD's sound by multiplying the standard 44.1 kHz sample rate by 8 and using a digital filter to reduce or eliminate distortion.

Auto Power Off — automatically turns the CD player off when you stop play or 30 seconds after the CD finishes playing.

5 or 3 Inch CD Compatible — lets you play either size CD.

LED Backlight — lets you easily view operation at night.

CDs that can be played on this CD player are labeled COMPACT DIGITAL AUDIO.

❒ The FCC Wants You to Know

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the *FCC Rules.* These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult your local RadioShack store or an experienced radio/TV technician for help.
- If you cannot eliminate the interference, the FCC requires that you stop using your CD player.

Changes or modifications not expressly approved by RadioShack may cause interference and void the user's authority to operate the equipment.

Warning: This system 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.

❒ Preparation

You can power your CD player from any of these sources:

- two AA alkaline batteries (not supplied)
- two rechargeable AA nickel-cadmium batteries (RSU 11672508 not supplied)
- standard AC power using a regulated AC adapter (not supplied)
- vehicle battery power using a DC adapter (not supplied)

Note: Connecting a regulated AC or DC adapter to the CD player when non-rechargeable batteries are installed disconnects the batteries.

INSTALLING BATTERIES

Your CD player requires two AA batteries (not supplied) for power. For the best performance and longest life, we recommend RadioShack alkaline batteries. You can also use rechargeable nickel-cadmium batteries (RSU 11672508).

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.

1. Press down and slide the battery compartment cover in the direction of the arrow, then lift it up.
2. Place two AA batteries in the compartment, as indicated by the polarity symbols (+ and –) marked inside.
3. Replace the cover.

When BATT flashes or the CD 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 CD player for a month or more, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.

Charging Rechargeable Batteries

This CD player can fully charge nickel-cadmium batteries (RSU 11672508) in about 17 hours. You can play a CD while charging the

nickel-cadmium batteries; however, this causes the batteries to charge more slowly.

1. Connect an optional regulated AC or DC adapter to the CD player's **DC IN 4.5V** jack. See "Using AC or DC Power".

2. After about 17 hours, unplug the adapter and disconnect it from the CD player's **DC IN 4.5V** jack.

   Caution: Do not overcharge the batteries. Overcharging can significantly reduce the batteries' useful life.

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 a regulated AC or DC adapter and an 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. Insert the recommended Adaptaplug adapter into the adapter's cord, setting **TIP** to + (positive).

2. Set the adapter's voltage switch to 4.5V.

3. Insert the adapter's barrel plug into the CD player's **DC IN 4.5V** jack.

4. Plug the other end of the adapter into a standard AC outlet or into your vehicle's cigarette lighter socket.

5. When you finish using the adapter, disconnect it from the AC outlet or your vehicle's cigarette-lighter socket first, then unplug it from the CD player.

Note: Always unplug the adapter before using the CD player with alkaline batteries. Otherwise the player will not operate.

CONNECTING EARPHONES OR HEADPHONES

You can listen to your CD player by connecting the supplied headphones, optional earphones, or optional amplified speakers to the player's **PHONES** jack.

Note: Your local RadioShack store carries a wide variety of cable and adapters.

For private listening, connect the supplied headphones or optional earphones with a 1/8 inch (3.5 mm) plug into the **PHONES** jack.

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 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.

❒ *Operation*

LISTENING TO THE RADIO

1. Repeatedly press **TUNER ON/ BAND** until the desired band (AM, FM1, FM2, or FM3) appears.

2. Rotate **VOL** to a comfortable listening level.

3. Use manual, automatic, or memory tuning to tune to the desired station. The display shows the tuned frequency.

   - **Manual Tuning** — Repeatedly press or hold down **– TUNING +** to tune up or down to the selected station.

   - **Automatic Tuning** — Hold down **– TUNING +** for about two seconds or until the tuner starts tuning, then quickly release it. The CD player stops at the next station with a strong signal.

   - **Memory Tuning** — Press one of the five memory buttons (**P1** through **P5**) to directly select a preset station. You can preset up to 20 stations. See “Storing a Radio Station in Memory”.

Notes:

- The CD player has a built-in AM antenna. For the best AM reception, move or rotate the CD player until the clearest reception is received.

- The supplied headphones, optional earphones’ cord, or optional Y-cable serve as an FM antenna. For the best FM reception, fully uncoil the cord.

- When listening to an FM station, press **STEREO/MONO**. ST appears. If reception is poor or noisy, press **STEREO/MONO** again. MONO appears. The sound is not in stereo, but reception should improve.

4. Press **STOP/TUNER OFF** to turn off the radio.

STORING A RADIO STATION IN MEMORY

You can store up to 20 stations (15 FM and 5 AM) in memory — 5 each in AM, FM1, FM2, and FM3 — so that you can immediately tune to a station at the press of a button.

1. Turn on the radio and tune to the desired band and station.

2. Hold down one of the memory buttons (**P1** through **P5**) until **PRESET** appears.

3. Repeat Steps 1 and 2 for each memory button where you want to store a station.

To replace a stored station, simply store a new one in its place.

PLAYING A CD

Cautions:

- Remove the protective sheet inside the CD compartment before operating the CD player.

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

1. Slide **OPEN** in the direction of the arrow to open the disc compartment.

2. Carefully handle the CD by its edges and place it label side up over the compartment's center hub. Press gently on the CD's center so the CD lies flat in the compartment.

3. Close the compartment cover.

4. Press **PLAY/PAUSE**. The CD player turns on, **01** appears, the total number of tracks and playing time appear for about 2 seconds, then Track 1 begins to play. The display shows the current track number and the elapsed playing time.

5. Adjust **VOL** to a comfortable listening level.

   Notes:

   - To enhance the bass sound, slide **E-BASS** to **ON**. To return to normal sound, slide **E-BASS** to **OFF**.

   - To temporarily stop play, press **PLAY/PAUSE**. The playing time flashes. To resume play, press **PLAY/PAUSE** again.

6. The CD plays to the end, then play stops. You can press **STOP/TUNER OFF** to stop play sooner.

7. Wait a few seconds to be sure the CD has stopped spinning, then slide **OPEN** in the direction of the arrow to open the disc compartment. Hold the edge of the disc and gently press the center hub, then remove the disc.

Note: When the CD player is stopped for about 30 seconds, the power automatically turns off. To turn it off sooner, press **STOP/TUNER OFF** again.

SUPER ANTI-SHOCK SYSTEM (SAS)

Your CD player contains special circuits to overcome skipping problems caused by shock or vibration. This means you can listen to 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 the next 40 seconds of music in memory. During a shock or vibration that would normally make a track skip or pause, the CD player plays directly from memory. If the player is subjected to shocks of over 40 seconds duration, some interruption of sound output will occur. This is normal. The sound resumes once the shock subsides.

To turn on the anti-shock system, press **ANTI-SHOCK**. If a CD is playing, the sound mutes for about 1 second, then appears.

To turn off the anti-shock system, press **ANTI-SHOCK** again. The sound briefly stops and disappears.

Note: While the SAS system provides for continuous sound output when the CD player is subjected to shock or vibration, it will not correct errors arising from the use of defective, scratched, or dirty CDs.

SKIP AND AUDIBLE SEARCH

Press **SKIP/SEARCH** ▷▷| during play to go to the beginning of the next track, |◁◁ **SKIP/SEARCH** to return to the beginning of the current track, or |◁◁ **SKIP/SEARCH** twice to go to the beginning of the previous track.

Hold down |◁◁ **SKIP/SEARCH** or **SKIP/SEARCH** ▷▷| during play to rapidly skip backward or forward to a specific section of a track. The CD plays at a lower volume and a higher speed. The current track's elapsed time appears.

INTRO SCAN

The Intro Scan feature automatically plays the first 10 seconds of each track on a CD.

To start Intro Scan from the first track while the CD is stopped, repeatedly press **PLAY MODE** until **Intr** appears. Then press **PLAY/PAUSE**.

To start Intro Scan from the beginning of the current track during play, repeatedly press **PLAY MODE** until **Intr** appears, then press |◁◁ **SKIP/SEARCH**.

To start Intro Scan from the beginning of the next track during play, repeatedly press **PLAY MODE** until **Intr** appears. Then press **SKIP/SEARCH** ▷▷|.

To resume normal play, press **PLAY MODE** until **Intr** disappears.

REPEAT PLAY

Your CD player can repeatedly play a single track or the entire CD.

To repeat the current track during play, press **REPEAT/ENTER**. When the track finishes playing, **REPEAT** flashes and the track is repeated.

To repeat all tracks on the CD, press **REPEAT/ENTER** twice. **REPEAT** appears and all tracks on the disc are repeated.

To cancel repeat play, press **REPEAT/ ENTER** until **REPEAT** disappears.

RANDOM PLAY

In random play, the CD player plays all the tracks in random order once, then automatically stops.

To start random play, repeatedly press **PLAY MODE** while the CD is stopped. **RND** appears. Press **PLAY/ PAUSE**.

To start random play while playing the current track, repeatedly press **PLAY MODE** until **RND** flashes. Random play begins after the current track plays.

When all tracks on the disc have been played, the player automatically stops. To cancel random play sooner, press **PLAY MODE** again to return to the normal play mode. **RND** disappears.

PROGRAMMED PLAY

You can program up to 22 tracks on a CD in any order you choose.

1. Repeatedly press **PLAY MODE** until **PROG** flashes. **00** and **P-01** appear.
2. Repeatedly press ⏮ **SKIP/ SEARCH** or ⏭ to display the number of the first track to program.
3. Press **REPEAT/ENTER** to store the track number and go to the next selection. The selection number advances by one (**P-02**) and the track number returns to **00**.
4. Repeat Steps 1–3 for each track you want to program.
5. To play the programmed sequence, press **PLAY/PAUSE**. **PROG** appears while the sequence plays
6. To cancel programmed play, press **PLAY MODE** until **PROG** disappears, or press **STOP/TUNER OFF**.
7. To erase the sequence, press **STOP/TUNER OFF** twice to turn off the player, or open the CD compartment cover.

LOCKING THE CONTROLS

You can lock the recorder's controls to prevent them from being accidentally changed and to conserve battery power.

Slide **HOLD** in the direction of arrow. All the controls except for **OPEN**, **E-BASS ON/OFF**, and **VOL** are locked.

❒ Troubleshooting

With proper care and handling, your CD player should give you years of trouble-free service. However, if your CD player is not working properly, follow these suggestions to see if you can eliminate the problem. If you still have a problem, take the CD player to your local RadioShack store for assistance.

Problem	Solution
CD will not play.	CD is upside down. Reinstall the CD label side up.
	Hold function is on. Slide **HOLD** to the left.
CD is not seated snugly on compartment's center hub.	Gently press down on the CD.
Dirty or defective CD.	Clean or replace the CD.
Dirty pickup lens.	Use a CD lens cleaning kit (available at your local RadioShack store) to clean the lens.
Player lid is not closed.	Press down on the lid.
Moisture/condensation.	Allow the player to warm to room temperature for 60 minutes.
AC power to adapter switched off.	Switch on the AC power.
Weak batteries.	Replace the batteries or charge rechargeable batteries.
The CD player has automatically turned off.	Press **PLAY** to restore power.
No sound from headphones.	Make sure the headphones' plug is firmly inserted into the **PHONES** jack.
CD player is subject to excessive vibration or shock.	Place the CD player on a stable surface.
Noisy or distorted radio reception.	Retune the station.
Antenna needs adjustment.	Adjust the FM antenna (headphone cord).
	Turn the CD player for best AM reception.

❒ 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*

Frequency Response (± 3 dB)	20 to 20,000 Hz
Line Output	0.6 V
Sampling Frequency	44.1 kHz
Oversampling	8 Times
Wavelength	780 nm
Power Requirements	DC 4.5V Two AA Alkaline or Rechargeable Nickel-Cadmium Batteries Optional AC or DC Adapter (Not Supplied)
Power Consumption	8 W
Battery Life	10 Hours
Dimensions (HWD)	$6^{5}/_{16} \times 5^{3}/_{16} \times 1^{1}/_{4}$ Inches ($160 \times 132 \times 31$ mm)
Weight (without batteries)	10.44 oz (296 g)
Included Accessory	Headphones

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

Limited One-Year Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for one (1) year 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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