Mini Stereo System

13-1317 OWNER'S MANUAL — Please read before using this equipment.

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! IMPORTANT !

If an icon appears at the end of a paragraph, go to the box on that page with the corresponding icon for pertinent information.

⚠ **— Warning** **! — Important**

— Caution **— Note**

WARNING: To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.

CAUTION

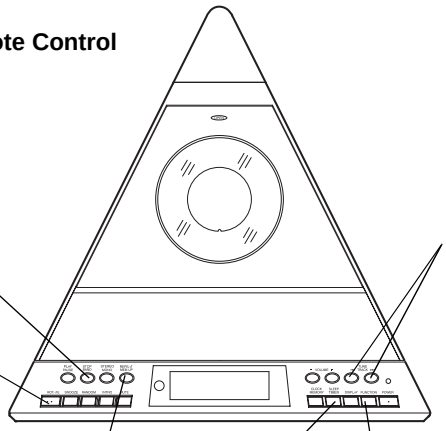
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.

The lightning symbol is intended to alert you to the presence of uninsulated dangerous voltage within this product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.

The exclamation symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

Front View and Remote Control

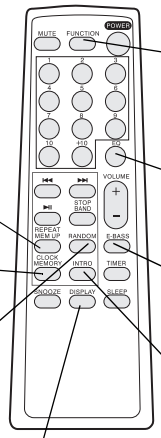


STOP/BAND — In CD mode this control stops play. In the tuner mode this control switches between AM and FM.

ROTATE — In CD and tuner mode this turns the unit face, allowing access to the tape deck without interrupting play.

⏮/⏭ — In tuner mode these controls are used to manually tune in radio stations. In CD mode these controls are used to skip forward or backward through the tracks. While a CD is playing, the audible search feature can be employed by holding down these controls. Audible search plays through the track (forward or backward) at high speed to locate a specific portion of the track.

SLEEP/ TIMER — Sets sleep and timer (alarm clock) functions.



REPEAT/MEM UP — In CD mode this controls the repeat play feature, allowing you to repeat a single track, a programmed sequence or an entire CD. In the tuner mode this control allows you to advance through the radio stations stored in memory.

FUNCTION — Use this control to switch between the CD, tuner and tape mode.

EQ — Equalizer effects. Three kinds of effects (Rock, Classic and Pop) plus the normal setting are available.

CLOCK/MEMORY — This control is used to compile CD programs, program radio stations into tuner memory, and set the clock.

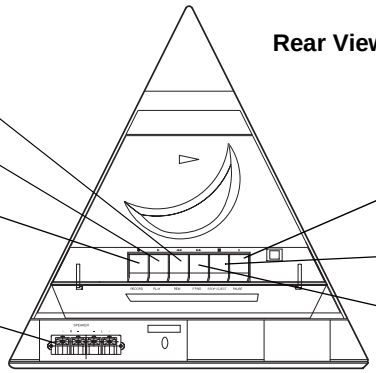
E-BASS — Extended bass control adds a boost to bass sounds.

RANDOM — Allows CD tracks to be played in random order.

INTRO — Sets or cancels the intro play feature, which allows you to play the first 10 seconds of each track on a CD.

DISPLAY — Toggles between various displays for settings confirmation.

Rear View of Tape Deck



◀◀ — Rewind function

▶ — Play function

● — Record function
The tape deck can record from either the CD player or tuner.

SPEAKER R / L — Output connections for right and left speakers

II — Pause function

■ — Stop / Eject function.

▶▶ — Fast forward function

Thank you for purchasing the RadioShack Mini Stereo System. Its novel motorized, rotating unit-face makes loading CDs and tapes easy and fun. The 2 × 2-way speaker box gives you high quality sound effects. The stereo not only includes a CD player, tape deck and AM / FM tuner, but also an alarm clock (**TIMER**) with sleep and snooze-control features. The supplied 30-key infrared remote control can operate the system from across the room. The tuner features 20-station memory, allowing you to store up to 20 radio stations (10 FM and 10 AM) in memory, so you can quickly turn to a stored station. The tuner also uses PLL (Phase Lock Loop) Digital Automatic Seeking, which searches forward or backward to the next strong station in the selected band so you can quickly find new stations. The CD player has programmable play, so you can play up to 20 tracks in any sequence you choose.

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CAUTION

Connecting the Speakers

Do not confuse the polarity of lead wires of speakers. The solid red wire should be connected to the red terminal.

Installing Batteries in the Remote Control

- 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.

⚠ WARNING ⚠

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

NOTE

ROTATE is designed to turn the tape side to the front for the convenience of loading or unloading tapes while recording from the CD player or a radio program. If the unit face does not turn to match the corresponding play mode when **FUNCTION** is pressed, press **ROTATE** to change the unit face.

IMPORTANT SAFETY INSTRUCTIONS

1. All the safety and operating instructions should be read before the product is operated.
2. The safety and operating instructions should be retained for future reference.
3. All warnings on the appliance and in the operating instructions should be adhered to.
4. All operating and use instructions should be followed.
5. Do not use this appliance near water.
6. Clean only with dry cloth.
7. Do not block any ventilation opening. Install in accordance with the manufacturer's instruction.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized type plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Unplug this apparatus during lighting storms or when unused for long periods of time.
12. Refer all servicing to qualified service personal. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or as been dropped.
13. This appliance should not be exposed to dripping or splashing water and objects filled with liquids such as vases should not be placed on the apparatus.

PREPARATION

Connecting the Speakers

There are no differences between the two speakers. Both speakers can be connected as **L** (left) or **R** (right) speaker.

Connect the lead wires of the left and right speakers to the speaker terminals at the backside of the main unit.

Installing Batteries in the Remote Control

The remote control requires two AA batteries (not supplied) for power. For the best performance and longest life, we recommend RadioShack alkaline batteries.

1. Press and slide the battery compartment cover in the direction of the arrow to remove it.
2. Place the batteries in the compartment as indicated by the polarity symbols marked inside.
3. Replace the cover.

The maximum operational distance between the remote control and the sensor should be 16 feet (5 meters) approximately. If the remote control only operates at a much shorter distance, replace the batteries.⚠

Connecting the System to AC Power

Insert the AC power plug into a standard AC outlet. The red power LED (Light Emitting Diode) lights. If the clock has never been set the LCD (Liquid Crystal Display) shows **0:00**.

Press the **POWER**. The red power LED turns off. At the same time, the blue top LED and the blue LCD backlight turns on.

The unit was designed so that the CD mode plays when the stereo is powered up for the first time. If it is not the first time to power on, the stereo will be in the last listening mode used.

- If the last listening mode was CD, when the unit is powered on, the display shows **CD**, total numbers of tracks and total times (if there is a CD disc loaded) or **no disc** (if no disc is loaded).
- If the last listening mode was tuner, when the unit is turned on, **TUNER** and the last played station's frequency are displayed. Play begins at once.
- If the last listening mode was tape, when the unit is turned on, **TAPE** and the time of day are displayed.

Standby Mode

Press **POWER** while power is on. The unit goes into standby mode. The red LED lights while the top LED and the LCD backlight turns off at the same time. In standby mode, the LCD display still shows the clock.

Unit Face

Once the CD/Tuner or Tape is selected by pressing **FUNCTION**, its corresponding unit face automatically rotates to the front.

CD PLAYER OPERATION

PLAYING A CD

1. Repeatedly press **FUNCTION** on the stereo or remote control to switch to CD mode. If the CD side does not face front, press **ROTATE** to turn the CD side to the front.**!**
2. To open the CD door, press **OPEN**.
3. Hold the CD disc by its edges and carefully place it into CD compartment with the label-side visible.
4. Close the CD cover. The total number of tracks and total playing time are displayed.
5. Press **PLAY/PAUSE** on the stereo or ►II on the remote. The CD starts playing from the first track. The track number and elapsed time of the current playing track are displayed.

   Or, press one of the number buttons on the remote control to select a track to play.

   To play tracks 11 to 19, press **+10** then the second digit. For example to play track 13, press **+10** first. **1** is displayed. Then, press **3**.

Press **PLAY/PAUSE** on the stereo or ►II on the remote to pause temporarily. The elapsed time indicator flashes on the display. Press **PLAY/PAUSE** on the stereo or ►II on the remote again to resume playing.

The CD stops automatically at the end of the last track. When CD playing stops, the display shows the total number of tracks and total playing time. To stop playing sooner, press **STOP/BAND**.

SKIP SEARCH

You can use the skip search before or during play to quickly locate any track.

While the CD player is stopped, press ⏮ or ⏭ repeatedly until the desired track is displayed, then press **PLAY/PAUSE** on the stereo or ►II on the remote to play the track.

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

AUDIBLE SEARCH

To search for a particular section within a track, hold down ⏮ or ⏭ during play. The CD player rapidly plays the CD either forward or backward at a high speed and low volume. When you hear the section you want, release ⏮ or ⏭ to resume normal play.

If you hold down ⏭ while the last track is playing, audible forward search stops at the end of that last track. If you hold down ⏮ while the first track is playing, audible backward search stops at the beginning of track one, and then plays the first track at normal speed.

REPEAT PLAY

You can set the CD player to continuously play a single track, all tracks, or all of the programmed tracks on the loaded CD.

During play, press **REPEAT/MEM UP** repeatedly until **REPEAT** flashes on the display, the current track will be repeated.

To repeat all tracks, press **REPEAT/MEM UP** repeatedly until **REPEAT** lights steadily.

To end repeat play, press **REPEAT/MEM UP** repeatedly until **REPEAT** disappears.

INTRO SCAN

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

The player will not start scanning from the first track during play. To start scanning from the first track, press **STOP/BAND** (if necessary), and press **INTRO**. **INTRO** appears on the display.

To start scanning while CD is playing, repeatedly press **INTRO** until **INTRO** appears. Intro scan starts at once from the next track forward.

During intro play, you can press ⏮ or ⏭ to skip backward or forward. You can also set the player to repeatedly scan by pressing **REPEAT**.

To stop scanning and resume normal play, repeatedly press **INTRO** until **INTRO** disappears.

RANDOM PLAY

You can set the CD player to randomly select and play tracks from a loaded CD.

While the CD player is stopped, press **RANDOM**. The CD player starts random play at once, and **RANDOM** is displayed.

While the CD player is playing, repeatedly press **RANDOM** until **RANDOM** appears. The CD player starts random play when the current track playing finishes.

To cancel random play, repeatedly press **RANDOM** until **RANDOM** disappears.

PROGRAMMING CD TRACKS

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

! IMPORTANT !

To avoid damaging the CD player, remove the CD insert protection card before using the player.

NOTE

- To play track 20 or above, press **+10** twice, then the second digit. For example to play track 24, press **+10** twice. **2** is displayed. Then, press **4.**
- **10** also acts as a 0. For example, to play track 20, press **+10** twice, then **10**.

1. Stop play by pressing **STOP/BAND** (if necessary).
2. Press **CLOCK/MEMORY**, MEMORY flashes on the display.
3. Repeatedly press ⏮ or ⏭ or press the number buttons on the remote control to select the track to be programmed.
4. Press **CLOCK/MEMORY** again to save. The display changes as shown below.

5. Repeat Steps 3 and 4 to program up to 19 more tracks.

To end programming, press **PLAY/PAUSE** on the stereo or ⏯ on the remote. The CD player starts playing the programmed sequence at once.

After the last programmed track is played, the player stops automatically. To stop sooner, press **STOP/BAND**.

While playing, you can press ⏮ or ⏭ to skip backward or forward. You can also set the programmed sequence to continuously play by pressing **REPEAT**.

Replaying the Programmed Tracks

Before the programmed memory is cleared, you may replay it by pressing **CLOCK/MEMORY** and then pressing **PLAY/PAUSE** on the stereo or ⏯ on the remote.

Clearing CD Memory

To clear the programmed sequence, while the player is playing, press **STOP/BAND**. Repeatedly press **CLOCK/MEMORY** until MEMORY flashes in the display, then press **STOP/BAND** again.

You may also clear the programmed memory by opening the CD cover while the player is stopped.

NOTE

Programming CD Tracks

There are only 20 memory slots for a CD program. If you try to program for more than 20 tracks, the previously programmed track(s) will be replaced in sequence. For example, the 21st entry replaces the first entry, and the 22nd entry replaces the second entry.

Using the Tuner

- The music center has a built-in AM antenna. For better reception, adjust its location.
- While an FM stereo broadcast is received, STEREO appears on the display. If the reception is poor or noisy, press **STEREO/MONO** to switch the stereo broadcast to mono. When mono is selected, STEREO disappears.

Memory Tuning

- If you use the remote's number keys to select a memory location, you do not need to press **CLOCK/MEMORY** again to save the entry.
- When the station is stored, MEMORY stops flashing.

The FM mono setting cannot be memorized. Even if you have changed from stereo to mono while setting FM station memory, when it is turned on automatically, it is still stereo.

USING THE TUNER

Whenever the tuner is turned on, it always begins at the last station played.

Press **FUNCTION** repeatedly until TUNER appears on the display.

Press **STOP/BAND** to select between the FM or AM band.

There are three ways to tune to a desired radio station's frequency.

Manual tuning — Repeatedly press ⏮ or ⏭ to tune down or up.

Automatic tuning — Press and hold down ⏮ or ⏭ for about two seconds then release. The tuner searches for a radio program automatically and stops when a strong signal is received.

Memory tuning — Press **REPEAT/MEM UP** repeatedly to search for a preset station. Or press the number buttons on the remote control to select a preset station directly.

MEMORY TUNING

You can store up to 20 stations (10 FM and 10 AM) in memory.

1. Press **FUNCTION** repeatedly until TUNER appears.
2. Press **STOP/BAND** to choose between AM and FM.
3. Seek for the desired station by pressing ⏮ or ⏭.
4. Press **CLOCK/MEMORY.** MEMORY flashes on the display.
5. Repeatedly press **REPEAT/MEM UP** to advance to the desired memory location.

   Or, press a number button on the remote control to select a memory location (**1**–**10**).
6. Press **CLOCK/MEMORY** to save the entry.
7. Repeat steps 2 to 6 to store up to 10 radio stations into memory for each band.

USING THE CASSETTE PLAYER

PLAYING A CASSETTE TAPE

Take up any slack in the cassette tape by turning the hub with a pencil. If you do not remove excess slack, the tape might become tangled in the record/playback mechanism. Avoid touching the tape.

1. Press **FUNCTION** repeatedly until TAPE appears on the display. The cassette tape side rotates to face forward.
2. To open the cassette control cover, press **OPEN**.
3. Press ■ gently to open the cassette door. Load a cassette tape in the cassette compartment door with the side you want to play facing you, the exposed tape edge down, and the full reel to the left.
4. Close the door.
5. Press ▶. The cassette starts playing. The tape plays until it reaches the end of the side, then it automatically stops.

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

To temporarily stop playback, press ⏸. Press ⏸ again to continue playback.

To stop fast-forward, rewind, or playback, press ■.

To open the cassette compartment and remove the cassette tape, press ■ while the cassette player is stopped.

Recording

The recording level is preset. Adjusting **E-BASS** or **VOLUME** does not affect the recording level or sound quality.

Recording From the Tuner

1. Press **FUNCTION** repeatedly until **TUNER** appears.
2. Press **STOP/BAND** to select the desired band.
3. Select the desired radio station
4. Press **ROTATE** to turn cassette tape side to front (if necessary).
5. Open the cassette door by pressing ■, and then insert a blank cassette tape.
6. Press down ⏸.
7. Press down ●. The ▶ key is also pressed down automatically.
8. When the preferred program begins, press ⏸ again to release pause. The recording starts. The cassette records until it reaches the end of the side, then it automatically stops. To stop recording before the cassette automatically stops, press ■.

Recording From a CD

1. Press **FUNCTION** repeatedly to switch to the CD mode (if necessary).
2. Load a CD.
3. Press ⏮ or ⏭ or the number buttons on remote control to select desired track. Or, press **CLOCK/MEMORY** to call out the programmed tracks (see "Programming CD Tracks" on Page 3).
4. Press **ROTATE** to turn the cassette side to front.
5. Open the cassette door by pressing ■, then insert a blank cassette tape.
6. Press down ●. The display shows **SYNC REC**. Recording starts from the beginning of the selected track automatically.

To stop recording before the end of the of CD, press ■. The elapsed time flashes on the display. To continue CD playing, press **PLAY/PAUSE** on the stereo or ⏯ on the remote. **SYNC REC** disappears.

ADJUSTING THE SOUND

E-Bass

To enhance bass sound, repeatedly press **E-BASS** on remote control until **E-BASS** appears on the display.

To cancel bass booster, press **E-BASS** again until **E-BASS** disappears.

EQ

Press **EQ** on the remote control repeatedly. The corresponding EQ appears on the display in this order: **ROCK**, **CLASSIC**, and **POP**. Press **EQ** again to cancel EQ.

Volume

Press **VOLUME** (**– / +**) to adjust the volume to a comfortable level. The corresponding volume is displayed as **xx db**.

The volume range is from **00db** through **80db**. It increases or reduces 2 db with every pressing of **VOLUME** (**– / +**).

Mute

To temporarily silence the sound, press **MUTE**. **MUTE** appears on the display.

Press **VOLUME** (-/+) or **MUTE** again to resume the sound. **MUTE** disappears.

SETTING THE CLOCK

In the power standby mode, you can set the time directly by following the steps below. While the power is on, you must first set the display to the clock by pressing **DISPLAY** repeatedly until the clock is shown.

In the CD mode, press **DISPLAY** repeatedly. The display changes in this sequence:

While playing

- CD remain time
- Clock
- **TIMER** flashes.
- Playing CD's lapsed time

While stopped

- Clock
- **TIMER** flashes.
- Loaded CD's total playing time

In the tuner mode, press **DISPLAY** repeatedly. The display changes in this sequence:

- Clock
- **TIMER** flashes.
- Radio frequency

In the tape mode, press **DISPLAY** repeatedly. The display changes in this sequence:

NOTE

Recording from a CD

The CD track or programmed sequence will start playing as soon as you complete step 4; however, it will begin again when **SYNC REC** is activated**.**

E-Bass

E-Bass is turned off automatically when you press **EQ**.

EQ

EQ is canceled automatically when you press **E-BASS**.

NOTE

Setting the Clock
In 12-hour mode, AM appears for an AM hour and PM appears for a PM hour.

Timer-On
If the last listening mode was the CD player, play will start from the first track.

- TIMER flashes.
- Clock

1. When clock is shown, hold down **CLOCK /MEMORY** for more than three seconds until 12H or 24H flashing is displayed.
2. Press ⏮ or ⏭ to choose between the 12-hour mode or 24-hour mode.
3. Press **CLOCK /MEMORY** button again to save. The hour digits flash on the display.
4. Repeatedly press or hold down ⏮ or ⏭ to select the hour.
5. Press **CLOCK /MEMORY** again to save. The minute digits flash.
6. Repeatedly press or hold down ⏮ or ⏭ to select the minutes.
7. Press **CLOCK/MEMORY** once more to save. Clock is set.

USING THE TIMER

Setting the Timer

The timer acts as an alarm clock, powering on the stereo in the last listening mode. Once the timer is set, it will come on at the same time everyday.

1. Hold down **SLEEP/TIMER** for more than three seconds until TIMER flashes on the display.
2. Hold down **CLOCK/MEMORY** for more than three seconds until the hour digits flash.
3. Repeatedly press or hold down ⏮ or ⏭ to select desired hour.
4. Press **CLOCK/MEMORY** again to save. The minute digits flash.
5. Repeatedly press or hold down ⏮ or ⏭ to select the minutes.
6. Press **CLOCK/MEMORY** once more to save. TIMER flashes for a few more seconds then stops flashing. Then the timer is set.

Timer-On

When it is time for timer-on, and the unit is in standby mode, the stereo will automatically turn on in the last listening mode. Playing volume will be at the previously set levels.

If you wish to snooze for some more time, press **SNOOZE**, the unit will be turned off for five minutes. Five minutes later, it will start to play again automatically.

Timer turns off automatically one hour later. After timer-off, **SNOOZE** can not be initiated.

Turning On/Off the Preset Timer

To turn off the timer, press **TIMER** on the remote or, hold down **SLEEP/TIMER** on the stereo for more than three seconds until TIMER disappears.

To turn on the timer, press **TIMER** on the remote or, hold down **SLEEP/TIMER** on the stereo for more than three seconds until TIMER flashes.

Using the Sleep Timer

The stereo can be set to turn off automatically, so that it does not continue playing after you have gone to sleep. To set a “sleep time”, press **SLEEP** repeatedly until the desired time is shown on the display. The maximum sleep time is 90 minutes. The setting decreases by 10 minutes every time you press **SLEEP**. To cancel the sleep setting, press **SLEEP** repeatedly until SLEEP disappears.

TROUBLESHOOTING

If your system is not working properly, these suggestions might help you to eliminate the problem. If you still have a problem, take it to your local RadioShack store for assistance.

Problem	Solution
The set does not function.	Confirm the connection of the AC power plug to a working AC outlet.
No Sound	Check the speaker connections.
	Adjust the volume.
CD does not play	Reinstall the CD with its printed side (label side) facing out.
	Clean or replace the CD.
	Press **FUNCTION** to switch to CD mode.
Noisy or distorted radio reception	Tune the station in again.
	Adjust the position of the stereo for best reception
The tape does not advance.	Re-load the tape with the exposed side down.
	Carefully take the tape out, and insert a replacement.
Tape deck does not record.	Verify the tape has protection tabs. If tabs have been removed, replace tape or cover holes with adhesive tape.

CARE

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

CAUTION

You might permanently damage your speakers by cleaning them with a vacuum cleaner. Use a feather duster or a soft loose cloth instead.

SERVICE AND REPAIR

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

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.

TAPE TIPS

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 edge of the cassette on a flat surface.

Erasing Tapes

To record over a cassette tape, simply record as usual. The cassette deck records over the previous recording.

You can quickly erase both sides of a cassette tape using a RadioShack bulk tape eraser.

Preventing Accidental Erasure

Cassette tapes have two erase-protection tabs — one for each side. When a tab is in place, you can record on that side.

To prevent accidental erasure of a recorded tape, use a screwdriver to remove one or both of the cassette tape's erase-protection tabs. This prevents **RECORD** from engaging.

If you later decide to record on a tape side after you have removed the erase-protection tab, place a piece of strong plastic tape over that side's erase-protection hole. Be sure you cover only the hole originally covered by the erase-protection tab.

CAUTION

Restoring Tape Tension and Sound Quality

Be careful not to damage the cassette when tapping it. Do not touch the exposed tape or allow any sharp objects near the cassette.

Preventing Accidental Erasure

Removing the erase-protection tabs does not prevent a bulk eraser from erasing a cassette tape.

NOTE

If you use a metal or high-bias type tape, the recorded sound might not be erased properly.

SPECIFICATIONS

Radio	
Frequency	AM: 520 – 1710 kHz (10 kHz per step)
	FM: 87.5 – 108.MHz (0.1 MHz per step)
Radio Channel Memory	AM:10 channels
	FM:10 channels
Cassette	
Tape Speed	1 7/8 ips (4.75cm/sec)
Recording System	AC Bias
CD Player	
Frequency Response	100 – 20,000 Hz
Signal-to-Noise	60 dB (w/ BPF. A)
Sampling Frequency	44.1 kHz
Oversampling	8 Times
Harmonic Distortion	(at 1 kHz) THD 1%
General	
Power supply (Main unit)	120V 60Hz
(Remote control)	2 × 1.5V (UM-3) batteries
Max output power (10% THD)	4W
Operation Temperature	32 –104° F, 1 – 40° C
Dimensions of Main Unit (HWD)	$10\ 3/4 \times 11\ 13/16 \times 11 13/16$ Inches (273 × 300 × 300 mm)
Dimensions of Each Speaker (HWD)	$7 13/16 \times 8\ 3/16 \times 7\ 13/16$ Inches (198 × 208 × 198 mm)
Weight (not including packing material)	10 lb (4.53kg)

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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