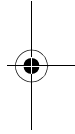
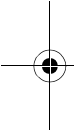


Cat. No. 14-546A **B**
OWNER'S MANUAL

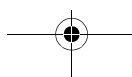
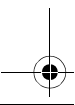
Please read before using this equipment.

CD-3321

**Portable Triple-Play Compact Disc Player
with AM/FM Stereo Dual-Cassette Recorder**



OPTIMUS®





FEATURES

Your Optimus CD-3321 Portable Triple-Play Compact Disc Player combines a CD player, an AM/FM radio, and a double cassette player with detachable speakers — all in one convenient, portable package.

CD Player Features

Programmable Play — lets you program up to 21 tracks to play in any sequence.

Audible Search — helps you locate a particular section of a track by playing the CD rapidly in either direction.

Automatic Search Music System (ASMS) — quickly locates and plays any track on a CD.

Repeat Play — lets you automatically repeat a single track, an entire CD, or a series of programmed tracks.

Cassette Deck Features

Multiple Source Recording — lets you record from the CD player, radio, or another cassette tape.



Automatic Level Control (ALC) — automatically adjusts the recording level.

Other Special Features

E-Bass Control — boosts low tones for an emphasized bass sound.

Three Power Options — lets you power the CD-3321 from internal batteries (not supplied), standard AC power (with the supplied AC power cord), or your vehicle's cigarette-lighter socket (with an optional adapter).

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

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



This symbol is intended to alert you to the presence of un-insulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.



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

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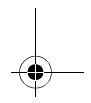
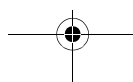
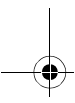
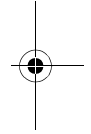
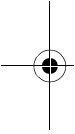


Warning: This system employs a laser light beam. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.

CDs that can be played on this player have this mark on them:



Note: Most material on compact discs and prerecorded tapes is copyrighted. Unauthorized duplication of copyrighted material is a violation of the copyright laws of most countries and such duplication may result in fines and/or imprisonment. Note, however, that in the United States, it is not a violation of U.S. copyright laws for a consumer to use an audio recording device to duplicate musical recordings for noncommercial (personal) use.





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PREPARATION

CONNECTING THE SPEAKERS

Caution: Do not plug in the power cord until you connect the speakers. Operating the CD-3321 without connected speakers could damage it.

The connecting wires for the CD-3321's detachable speakers are rolled up in the recessed area at the back of each speaker.

illus

Follow these steps to connect the speakers to the system.

Note: The right speaker has the tracks on its left side when viewed from the front. The left speaker has the tracks on its right side when viewed from the front.

1. Align the tracks on the side of the right speaker with the tracks on the right end of the main system and slide the speaker down until it clicks into place.

illus

2. Align the tracks on the side of the left speaker with the tracks on the left end of the main system and slide the speaker down until it clicks into place.

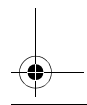
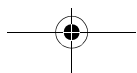
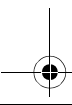
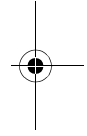
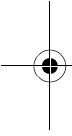
illus

3. Unwind the wire from each speaker.
4. Press the pair of terminal tabs marked **SPEAKERS 8Ω/+R-** on the back of the CD-3321. Insert the right speaker's red wire into the red (+) terminal and its black wire into the black (-) terminal. Then release the tabs.

Caution: To avoid damaging your system and speakers, never let the speaker wires' bare ends touch each other.

5. Repeat Step 3 to connect the left speaker's wires to the terminals marked **SPEAKERS 8Ω/-L+**.

To disconnect the speakers from the system, first disconnect the speaker wires from the CD-3321. Then push in the mounting tabs on the sides of the main system and slide the speakers upward along the tracks.



illus

Follow these steps to install batteries.

1. Remove the battery compartment cover by pushing the cover's two tabs in the direction of the arrows.

illus

CONNECTING POWER

You can power your CD-3321 from any of three power sources:

- internal batteries
- standard AC power (with the supplied power cord)
- your vehicle's cigarette-lighter socket (with an optional DC adapter)

Note: Connecting the power cord or an optional DC adapter disconnects the internal batteries.

Using Batteries

You need eight D batteries (not supplied) to power the CD-3321. We recommend RadioShack alkaline batteries.

Cautions:

- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries or different types of batteries.

2. Insert eight D batteries as indicated by the polarity symbols (+ and -) marked inside the battery compartment.

illus

3. Replace the cover.

When the CD-3321 operates erratically or not at all, replace the batteries.

Cautions:

- Always remove old or weak batteries. Batteries can leak chemicals that can destroy electronic parts.
- Dispose of old batteries promptly and properly. Do not burn or bury them.

Note: If you do not plan to use the system for several days, or if you plan to power the system using only AC or DC power, remove the batteries.

Using AC Power

To use AC power, plug the supplied power cord into the **AC 120V 60Hz** jack on the back of the CD-3321. Then plug the cord's other end into a standard AC outlet.

illus

Note: The plug's blades are polarized (one blade is wider than the other) and it fits only one way. If the plug will not fit easily, turn it over and try again. Do not force it.

Caution: Always unplug the power cord from the AC outlet before you unplug it from the CD-3321.

Using Your Vehicle's Cigarette-Lighter Socket

To power the CD-3321 from your vehicle's cigarette-lighter socket, you need a DC adapter (not supplied), such as Cat. No. 270-1528.

Cautions:

- You must use a DC cigarette-lighter adapter that supplies 12 volts and delivers at least 1 amp. Its center tip must be set to positive, and its plug must correctly fit the CD-3321's **DC 12V** jack. The recommended adapter meets these specifications. Using an adapter that does not meet these specifications could damage the CD-3321 or the adapter.
- Unplug the adapter from your vehicle's cigarette-lighter socket when you turn off the ignition. This prevents your vehicle's battery from being drained if you leave the CD-3321 on when you turn off the ignition.
- Always plug the DC adapter into the CD-3321 before you plug it into your vehicle's cigarette-lighter socket, and unplug the adapter from your vehicle's cigarette-lighter socket before you unplug its barrel plug from the CD-3321.



Insert the DC adapter's 5.5 outer diameter/2.1 inner diameter barrel plug into the **DC 12V** jack on the back of the CD-3321, then plug the DC adapter into your vehicle's cigarette-lighter socket.

illus

Note: If the CD-3321 does not operate when you turn it on, remove the DC adapter from your vehicle's cigarette-lighter socket and check the socket for debris. Also check the fuse in the adapter and your vehicle's fuse block.

USING HEADPHONES

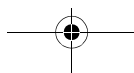
For private listening, plug a pair of optional headphones with a 1/8-inch plug into the **PHONES** jack. Your local RadioShack store has a wide selection of headphones.

illus

Listening Safely

To protect your hearing, follow these guidelines when you use headphones.

- Set the volume to its lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable listening 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 listening level, so a volume level that does not cause discomfort might still damage your hearing.





USING THE RADIO

1. Press **POWER** to turn on the system. The **POWER** indicator lights.

illus

stations, set **BAND** to **FM**. The sound is no longer in stereo, but reception should improve.

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

illus

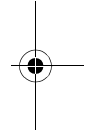
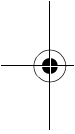
2. Set **FUNCTION** to **TUNER**.

illus

6. To enhance the bass sound, press **E-BASS**.

3. Set **BAND** to **AM**, **FM**, or **FM STEREO**.

illus



illus

7. Adjust **BALANCE** as needed.

4. Adjust **TUNING** to the desired station.

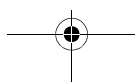
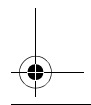
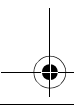
illus

illus

8. To turn off the system, press **POWER**. The **POWER** indicator turns off.

Notes:

- When you set **BAND** to **FM STEREO** and the radio receives an FM station in stereo, the **FM STEREO** indicator lights.
- To improve reception for weak FM





USING THE CD PLAYER

LOADING AND PLAYING A CD

1. Press **POWER** to turn on the system. The **POWER** indicator lights.
2. Set **FUNCTION** to **CD**. **00** then **dISC** appears.

illus

3. Press **PUSH OPEN**. The CD compartment opens.

illus

4. Place a CD in the compartment with the label facing up.

*illus
(show
label)*

5. Close the compartment door. After a few seconds, the CD's total number of tracks and total playing time appear.

illus

6. Press **PLAY/PAUSE**. The track number and the elapsed time of the current track appear. The CD then plays all the tracks in order.

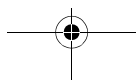
illus

7. Adjust **VOLUME**, **E-BASS**, and **BALANCE** as needed.

8. The CD stops automatically after it plays all the tracks. To stop the CD before the end of the last track, press **STOP**.

illus

Note: Be sure the CD is securely in place in the tray.





SPECIAL FEATURES

Pause

You can pause a CD during play by pressing **PLAY/PAUSE**. **||** appears and the CD stops playing.

illus

To resume play, press **PLAY/PAUSE** again. **||** disappears and the CD plays.

Cue

To select a track before you begin play or while a CD is paused, press **SKIP ►►** or **◄◄** until the desired track number appears. Then press **PLAY/PAUSE** to play the track.

illus

Repeat

You can repeatedly play one track, a programmed sequence, or an entire CD (see "Programmed Play" on Page 12).

illus

To repeat a single track, press **REPEAT** before or during play. **REPEAT 1** appears.

To repeat an entire CD or programmed sequence, press **REPEAT** twice before or during play. **REPEAT ALL** appears.

To cancel repeat play, press **REPEAT** until **REPEAT 1** or **REPEAT ALL** disappears.

Audible Search

To search forward on the CD, hold down **SEARCH ►►** during play. As you hold down **SEARCH ►►**, the CD rapidly advances and you hear the music or information at a faster speed and lower volume. Release **SEARCH ►►** to resume normal play.

illus



To search backward, hold down **SEARCH** ◀◀ during play. Release **SEARCH** ◀◀ to resume normal play.

Automatic Search Music System (ASMS)

You can use the automatic search music system to skip forward or backward through tracks on a CD or in a programmed sequence.

illus

During play, press **SKIP** ▶▶| to skip to the beginning of the next track.

During play, press **SKIP** |◀◀ during play to skip to the beginning of the current track.

Press **SKIP** ▶▶| or |◀◀ additional times to skip forward or backward through additional tracks.

Notes:

- If you press **SKIP** |◀◀ while the first track is playing, the first track replays.
- Pressing **SKIP** ▶▶| while the last track is playing has no effect.

PROGRAMMED PLAY

You can program up to 21 tracks on a CD to play in any sequence.

1. Load a CD into the CD compartment and close the door. The display shows the CD's total number of tracks and total playing time.

illus

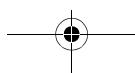
2. Press **PROGRAM. MEMORY** and **00 P:01** (the first memory location) appears.

illus

3. Press **SKIP** ▶▶| or |◀◀ to find the track you want to program into memory location 1.
4. Press **PROGRAM** again to program the track. The next memory location appears.
5. Repeat Steps 3 and 4 for each track you want to program.

Notes:

- If you program more than 21 tracks, you replace the first tracks programmed with the new ones.



CD AND CD PLAYER CARE TIPS

- After programming a sequence of tracks, repeatedly press **PROGRAM** to review the tracks you have already programmed.
 - To edit the programmed sequence, repeatedly press **PROGRAM** until the desired memory location appears. Then press **SKIP ►►** or **◄◄** to find the track you want and press **PROGRAM** to store the new track.
6. Press **PLAY/PAUSE**. **PROGRAM** appears and the CD player plays the tracks in the order you programmed.

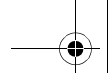
Notes:

- Press **STOP** to stop playing the sequence.
 - Press **STOP**, **PROGRAM**, then **PLAY** to start playing the sequence again from the beginning.
 - Use **SKIP ►►** and **◄◄** to move through the programmed sequence during play.
7. To clear the program memory, do any of the following:
- Press **STOP**, then open the CD compartment door.
 - Press **STOP**, then set **FUNCTION** to a function other than **CD**.
 - Press **STOP**, then **POWER** to turn off the system.

Although a CD is very durable, you should handle it with care. We recommend the following precautions.

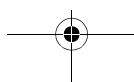
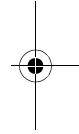
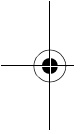
- Keep the CD in its protective case or sleeve when you are not playing it.
- Keep the CD dry. A drop of moisture can act as a lens and affect the laser beam's focus. If it gets wet, wipe the CD with a soft, dry cloth before playing it.
- Do not write on either side of a CD, especially the non-label side.
- Keep the CD clean. Handle the CD by its edge to avoid fingerprints and surface scratches, which can prevent the laser from accurately reading the CD. To clean the surface, use a CD Cleaner Kit (such as Cat. No. 42-226) or Scratch 'n Fix (Cat. No. 42-127).
- Do not store CDs in high-temperature, high-humidity locations.

If the CD-3321 is subjected to a sudden shock or jolt during play, the CD's rotation speed might suddenly change, and the music might be briefly interrupted or the current track might start over. This is not a malfunction.



Cautions:

- To avoid damaging the CD player, do not place anything but a CD in the CD compartment.
- Remove any loaded CD from the CD player before moving the CD-3321 to prevent damaging the CD.
- Moving the CD player suddenly from a cold place to a warmer one can cause moisture to form on the pickup lens and disrupt operation. If this happens, wait about 2 hours for the moisture to evaporate before playing a CD.





USING THE CASSETTE PLAYER

You can play your favorite cassette tapes and make recordings from the CD-3321's CD player or radio, or another tape with the CD-3321's cassette decks.

3. Load a cassette tape with the side you want to play facing you, the exposed tape edge down, and the full reel to the left.

LOADING A CASSETTE TAPE

illus

Follow these steps to load a cassette tape in Tape 1 or Tape 2.

1. 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.

4. Close the compartment door.

PLAYING A CASSETTE TAPE

You can play a cassette tape in either Tape 1 or Tape 2, or you can load cassette tapes in both decks and play them consecutively.

illus

2. Press **STOP/EJECT** to open the cassette compartment door.

Normal Play

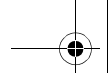
Follow these steps to play a cassette tape in Tape 1 or Tape 2.

1. Load a cassette tape in Tape 1 or Tape 2.
2. Set **FUNCTION** to **TAPE DUBBING NORM.**

illus

illus





3. Press **POWER** to turn on the system. The **POWER** indicator lights.

illus

4. Press **PLAY** on the deck you are using. The button locks down and the tape begins to play.

illus

5. Adjust **VOLUME**, **E-BASS**, and **BALANCE** as needed.
6. The tape automatically stops when it reaches the end. To stop playing the tape before it reaches the end, press **STOP/EJECT**. Press **STOP/EJECT** again to open the cassette compartment, so you can remove the cassette tape.

illus

To play the other side, turn the tape over and press **PLAY**.

Consecutive Play

The CD-3321 can play one side of a tape in Tape 2, then automatically play one side of a tape in Tape 1.

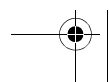
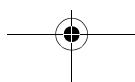
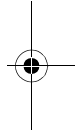
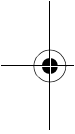
With tapes loaded in both Tape 1 and Tape 2, press **PLAY** on Tape 2, and press **PAUSE** then **PLAY** on Tape 1.

The tape in Tape 2 plays to the end of the first side. Then Tape 1's tape plays to the end of its first side.

Using Fast-Forward and Rewind

While the tape is stopped or playing, press **FAST-F** or **REWIND** to move the tape rapidly forward or backward. Press **STOP/EJECT** when you reach the desired section or when the tape reaches the end.

*Illus of
FAST-F/
REWIND*



Using Pause

Press **PAUSE** to temporarily stop play. Press **PAUSE** again to resume play.

*illus (arrow
shouldn't
cover PLAY)*

- Before recording, be sure the erase-protection tabs are in place on the cassette tape you are using to record. See "Preventing Accidental Erasure" on Page 19.

Caution: If you try to record on a cassette tape that has had the erase-protection tabs removed, you cannot press down **RECORD**. Do not force it, as this can damage the mechanism.

RECORDING

You can record from the CD-3321's CD player or radio, or another tape.

Notes:

- The CD-3321's Automatic Level Control (ALC) automatically adjusts the recording level. **VOLUME** and **E-BASS** have no effect on recording.
- Tape quality greatly affects the quality of the recording. We recommend regular length (60- or 90-minute) cassette tapes. We do not recommend long-play cassette tapes such as C-120s because they are thin and can easily tangle. For low-noise, wide-range recordings, use normal-bias tape.
- Before you load a cassette tape for recording, turn the cassette's hub with your finger or a pencil to move the tape past its leader.

Recording from the CD Player

1. Press **POWER** to turn on the system. The **POWER** indicator lights.
2. Set **FUNCTION** to **CD** and load a CD.

Notes:

- If you do not want to begin recording with the first track, press **SKIP** |◀◀ or ▶▶| to find the desired track.
 - To record a programmed sequence, follow the steps in "Programmed Play" on Page 12 to store the tracks first.
3. Turn the hub of a blank tape (or one you want to record over) with a pencil to advance past the clear leader, then load the tape in Tape 1.
 4. Press **PLAY/PAUSE** on the CD player twice to pause the CD. **II** appears.

5. Press **RECORD** on Tape 1. Both **RECORD** and **PLAY** lock down. The CD starts playing and Tape 1 begins recording from the CD.

Notes:

- You can listen to the CD as you record.
 - If you want to skip an unwanted section during recording, you can temporarily stop recording by pressing **PAUSE** on Tape 1 while the unwanted section plays. To resume recording, press **PAUSE** on Tape 1.
6. The tape automatically stops when it reaches the end. To stop the CD player, press **STOP**. To stop recording before the tape reaches the end, press **STOP/EJECT**.

Recording from the Radio

1. Load a blank tape, or one you want to record over, in Tape 1.
2. Press **POWER** to turn on the system. The POWER indicator lights.
3. Set **FUNCTION** to **TUNER**.
4. Set **BAND** to **AM**, **FM**, or **FM STEREO**.
5. Press **RECORD** on Tape 1 to begin recording. Both **RECORD** and **PLAY** lock down.

Note: To skip an unwanted section during recording, temporarily stop recording by pressing **PAUSE** on Tape 1 while the unwanted section plays. To resume recording, press **PAUSE** on Tape 1.

6. The tape automatically stops when it reaches the end. To stop recording before the tape reaches the end, press **STOP/EJECT** on Tape 1.

Dubbing a Cassette Tape

Follow these steps to dub (copy) from one cassette deck to the other, one side at a time.

1. Load the prerecorded tape you want to copy from into Tape 2 with the side you want to copy facing you, the exposed tape edge down and the full reel to the left.
2. Load a blank tape, or one you want to record over, in Tape 1 with the side you want to record on facing you and the full reel to the left.
3. Press **POWER** to turn on the system. The POWER indicator lights.
4. Set **FUNCTION** to either **TAPE DUBBING HIGH** or **TAPE DUBBING NORM**.

illus

- To dub the tape at normal speed, set **FUNCTION** to **TAPE DUBBING NORM**.
- To dub the tape at about twice the normal speed, set **FUNCTION** to **TAPE DUBBING HIGH**. (You will hear a high-pitched sound during recording.)

5. Press **PAUSE**, then **RECORD** on Tape 1. **RECORD** and **PLAY** both lock down.
6. Press **PLAY** on Tape 2 to begin recording. **PAUSE** on Tape 1 automatically releases.

Note: To skip an unwanted section during recording, temporarily stop recording by pressing **PAUSE** on Tape 1 while the unwanted section plays. Tape 1 stops recording but Tape 2 continues playback. To resume dubbing, press **PAUSE** on Tape 1.

7. Press **STOP/EJECT** on Tape 1 to stop recording. **RECORD** and **PLAY** release.
8. If the tape in Tape 2 did not reach the end and automatically stop, press **STOP/EJECT** on Tape 2 to stop playing the tape.

TAPE TIPS

Erasing a Cassette Tape

If you no longer want a recording, you can record over it or erase it. To record over a cassette tape, simply record over the previous recording. To erase the entire cassette tape, let the tape record to the end.

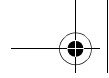
You can quickly erase both sides of a cassette tape using a bulk tape eraser, available at your local RadioShack store.

Preventing Accidental Erasure

Cassette tapes have two erase-protection tabs, one for each side. To protect a recording from being accidentally recorded over or erased, use a screwdriver to remove one or both of the cassette tape's erase-protection tabs.

*illus (make
callouts
bold)*

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



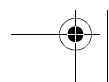
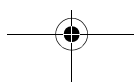
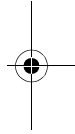
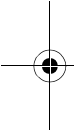
If you want to record on a tape side after you have removed the erase-protection tab, place a piece of strong plastic tape over that side's erase-protection hole. Be sure you cover only the hole originally covered by the erase-protection tab.

Restoring Tape Tension and Sound Quality

After playing a cassette tape several times, the tape might become tightly wound on the reels. This can cause playback sound quality to deteriorate.

To restore the sound quality, fast-forward the tape from the beginning to the end of one side, then completely rewind it. Then loosen the tape reels by gently tapping each side of the cassette's outer shell on a flat surface.

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



CARE AND MAINTENANCE

Your RadioShack CD-3321 Portable Triple-Play Compact Disc Player is an example of superior design and craftsmanship. The following suggestions will help you care for your CD-3321 so you can enjoy it for years.



Keep the CD-3321 dry. If it gets wet, wipe it dry immediately. Liquids might contain minerals that can corrode the electronic circuits.



Use and store the CD-3321 only in normal temperature environments. Temperature extremes can shorten the life of electronic devices, damage batteries, and distort or melt plastic parts.



Keep the CD-3321 away from dust and dirt, which can cause premature wear of parts.



Handle the CD-3321 gently and carefully. Dropping it can damage circuit boards and cases and can cause the CD-3321 to work improperly.



Use only fresh batteries of the required size and recommended type. Batteries can leak chemicals that damage your CD-3321's electronic parts.



Wipe the CD-3321 with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the CD-3321.

Modifying or tampering with the CD-3321's internal components can cause a malfunction and might invalidate its warranty. If your CD-3321 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 heads and other parts that the tape touches. This can greatly reduce the performance of the CD-3321. Use the following cleaning procedure after every 20 hours of operation.

1. Remove the batteries and disconnect any other power source.
2. Open the cassette compartment door on each deck.
3. Press **PLAY** on each deck to expose the tape-handling parts.
4. Use a cotton swab dipped in denatured alcohol or tape head cleaning solution to clean the tape guides, record/play head, pinch rollers, capstans, and erase heads.

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5. When you finish cleaning, press **STOP/EJECT** on each deck and close the cassette compartment doors.

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

FCC NOTICE

This system 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.



SPECIFICATIONS



RADIO

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

CASSETTE PLAYER

Tape Speed 17/8 ips
Tape System 4 Track Stereo
Recording System AC Bias
Erasing System Magnet Erase
Wow and Flutter 0.35% or less

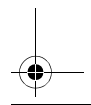
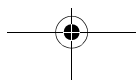
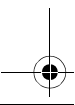
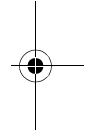
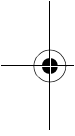
CD PLAYER

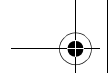
Number of Programmable Tracks 21 Tracks
Frequency Response (–3 dB) 150–15,000 Hz
Signal-To-Noise (A-WTD) 50 dB
Sampling Frequency 44.1 kHz
Oversampling 2 Times
Harmonic Distortion 1%

GENERAL

Speaker Detachable 4" × 2
Speaker Impedance 8 ohm
Power Requirements DC 12 V (8 D batteries, Cat. No. 23-550),
AC 120V, 60 Hz DC Adapter (Cat. No. 270-1528)
Output Power (10% THD) 2.0 W/Channel
Dimensions (HWD) 10 × 23 × 8 Inches
(255 × 585 × 205 mm)
Weight 11.5 lbs
(5.2 kg)

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 from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow the limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

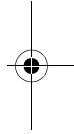
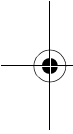
This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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

We Service What We Sell

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Fort Worth, Texas 76102

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