



Microcassette Tape Recorder



Owner's Manual
Please read before using this equipment.

Features

Your RadioShack Microcassette Tape Recorder is ideal for quick note-taking. Its ultra-small size makes it easy to slip into a pocket, purse, or briefcase. You can use it at school, at business conferences, for dictation in the office, or anywhere on the go!

Cue/Review — lets you listen as you fast-forward and rewind to quickly find passages.

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

Built-In Hi-Sensitivity Microphone — lets you record almost anywhere.

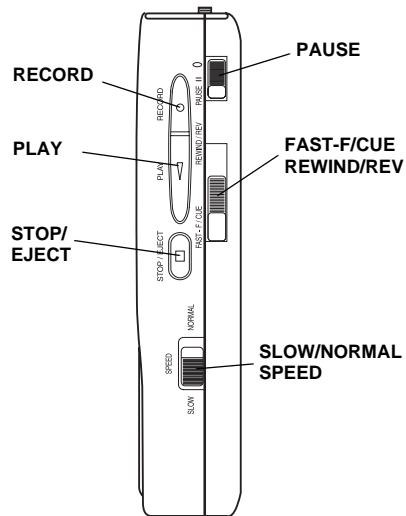
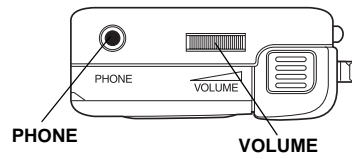
Two-Speed Recording Switch — lets you record at normal speed for better sound quality, or slow speed for twice the normal recording playback time.

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☐ A Quick Look at Your Recorder



Preparation

CONNECTING TO POWER

You can power your tape recorder from any of the following sources:

- non-rechargeable batteries
- standard AC power (with an optional AC adapter)
- vehicle battery (using an optional DC adapter)

Using Batteries

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

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

When the recorder 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 recorder for several days, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.

Using AC or DC Power

You can power the recorder with AC power using a 3V, 250 mA AC adapter and a size H Adaptaplug™ adapter, or from a vehicle's battery using a 3V, 250 mA DC adapter and a size H Adaptaplug. Both

are available at your local RadioShack store.

Cautions:



- You must use a (Class 2 for AC) power source that supplies 3V DC and delivers at least 250 mA. Its center tip must be set to positive and its plug must fit the recorder's **DC 3V** jack. Using an adapter that does not meet these specifications could damage the recorder or the adapter.
 - Always connect the adapter to the recorder before you connect it to the power source. When you finish, disconnect the adapter from the power source before you disconnect it from the recorder.
1. If necessary, set the adapter's voltage switch to 3V.
 2. Attach the Adaptaplug with its tip set to positive (+) to the adapter's cord.
 3. Insert the adapter's barrel plug into the recorder's **DC 3V** jack. This disconnects internal batteries.

4. Plug the other end of the adapter into the power source.

CONNECTING AN EARPHONE

You can use an optional earphone (not supplied) with a 1/8-inch (3.5 mm) plug to listen to a tape in privacy. Your local RadioShack store carries a wide selection of earphones.

Insert the earphone's plug into the recorder's **PHONE** jack. The built-in speaker automatically disconnects.

Listening Safely

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

- 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 an earphone 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 let you hear some outside sounds when listening at normal volume levels, they still can present a traffic hazard.

Operation

LOADING A MICROCASSETTE TAPE

Note: We recommend MC-60 microcassette tapes for up to two hours of recording/playback time, or MC-90 microcassette tapes for up to three hours of recording/playback time.

1. Use a pencil to turn the cassette's hub and remove any tape slack. Avoid touching the tape.
2. Press **STOP/EJECT** to open the cassette compartment door.
3. Insert the microcassette into the door's guides so the microcassette's open edge faces out and the full reel is to the left.
4. Close the door.

UNLOADING A MICROCASSETTE TAPE

1. Press **STOP/EJECT** to stop recording or playback.

2. Press **STOP/EJECT** again to open the cassette compartment and remove the tape.

RECORDING

1. Load a blank microcassette tape or a tape to record over.
2. Set **SPEED** on the side of the recorder as follows:
 - For the best sound quality, slide the switch to **NORMAL**.
 - To double the tape's recording/playback time, slide the switch to **SLOW**.
3. Press **RECORD** to begin recording. Both **RECORD** and **PLAY** lock down.

Caution: Do not force down **RECORD**. If you cannot easily press down **RECORD**, check the tape's erase-protection tabs and make sure they are not removed.

4. Press **STOP/EJECT** to stop recording.

Notes:

- The automatic level control circuit automatically sets the recording level.

The **VOLUME** setting does not affect the recording level.

- To temporarily stop recording, slide **PAUSE** to the left. To resume recording, slide **PAUSE** to the right.

PLAYING A TAPE

1. Load a microcassette tape.
2. Set **SPEED** to the speed used when the tape was recorded.
3. Press **PLAY**.

Note: If the recording sounds too fast or too slow, slide the **SPEED** switch to the other setting.

4. Adjust **VOLUME** to a comfortable listening level.
5. To temporarily stop the tape, slide the **PAUSE** switch to the left. To resume playback, slide **PAUSE** to the right.
6. Press **STOP/EJECT** to stop playback.

REWINDING AND FAST-FORWARDING

Slide the **FAST-F/CUE REWIND/REV** switch to **FAST-F/CUE** to rapidly advance a tape, or to **REWIND/REV** to rapidly rewind a tape.

If you slide the switch to **FAST-F/CUE** or to **REWIND/REV** during playback, you can hear the tape as it advances or rewinds. When you slide the switch back to the center position, the recorder resumes normal playback.

If you slide the switch to **FAST-F/CUE** or to **REWIND/REV** when the tape is stopped, the tape advances or rewinds until you press **STOP/EJECT** or the tape reaches its end.

Caution: To protect the tape-handling parts, press **STOP/EJECT** or slide the switch to the center position when the tape reaches its end.

Tape Tips

STORING CASSETTE TAPES

Do not expose microcassette tapes to high temperatures, high humidity, dust or dirt, or motors, transformers, or other objects with strong magnetic fields.

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 tape recording, use a screwdriver to remove one or both of the cassette tape's erase-protection tabs. This prevents **RECORD** from being pressed.

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

ERASING A CASSETTE TAPE

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.

Care

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

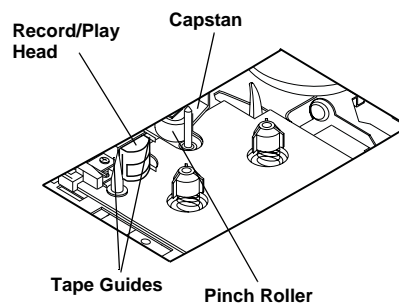
Modifying or tampering with the recorder's internal components can cause a malfunction and might invalidate its warranty. If your recorder is not performing as it should, take it to your local RadioShack store for assistance.

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 cassette player. After every 20 hours of tape player operation, follow these steps to clean the tape-handling parts or use a RadioShack cassette deck cleaning kit.

1. Remove the batteries and disconnect any other power source.

2. Open the cassette compartment door and press **PLAY** to expose the tape-handling parts.
3. Use a cotton swab dipped in denatured alcohol or tape head cleaning solution to clean the tape guides, record/play head, erase head, pinch roller, and capstan.



4. When you finish cleaning, press **STOP/EJECT** and close the cassette compartment door. Then reconnect power.

Specifications

Tape TypeMicrocassette
Tracks 2 Tracks, Monaural
Tape Speed 2.4 cm/sec
or 1.2 cm/sec

Recording Time

with MC-60 Microcassette:

2.4 cm/sec. 60 min. Both Sides

1.2 cm/sec. 120 min. Both Sides

with MC-90 Microcassette:

2.4 cm/sec. 90 min. Both Sides

1.2 cm/sec. 180 min. Both Sides

Frequency Response

Tape Playback 315–4,000 Hz
at 2.4 cm/sec

Record Playback 400-4,000 Hz

Power Sources

Internal Batteries 3V DC,
Two AA Batteries

AC Power 12V with AC Adapter

Vehicle Battery 12V with DC Adapter

Typical Cassette

Recording Time 18 Hours

Dimensions (HWD) $5 \times 2^{5/8} \times 1^{1/16}$ inches
(127 × 67 × 27 mm)

Weight without Batteries 4.8 oz. (136 g)

Weight with Batteries 6.5 oz. (184 g)

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 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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