

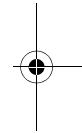
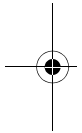


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OWNER'S MANUAL

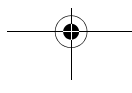
Please read before using this equipment.

CTR-118

**Cassette Recorder with
Variable Speech Control®**



RadioShack®



FEATURES

Your RadioShack CTR-118 Cassette Recorder with Variable Speech Control[®] is a valuable tool for business people, students, the visually handicapped, or anyone who wants to acquire information as quickly as possible through accelerated listening.

Ordinarily, speeding up the playback of tape-recorded speech produces high-pitched, unintelligible sounds. With your CTR-118 cassette recorder, you can clearly understand a speech recording played back at up to twice the normal speed.

Voice-Activation Control — starts and stops recording based on the sound it detects in the area, which gives you hands-free operation.

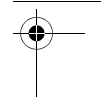
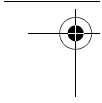
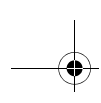
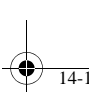
Quick Record — lets you instantly change from playback to record.

Automatic Level Control — adjusts the recording level for perfect recordings every time.

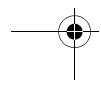
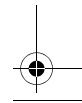
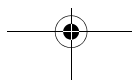
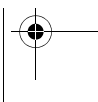
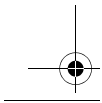
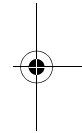
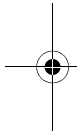
Cue/Review — lets you quickly locate a section of tape.

Three Power Sources — let you power your cassette recorder from internal batteries, standard AC power (with an optional adapter), or from your vehicle's cigarette-lighter socket (with an optional adapter).

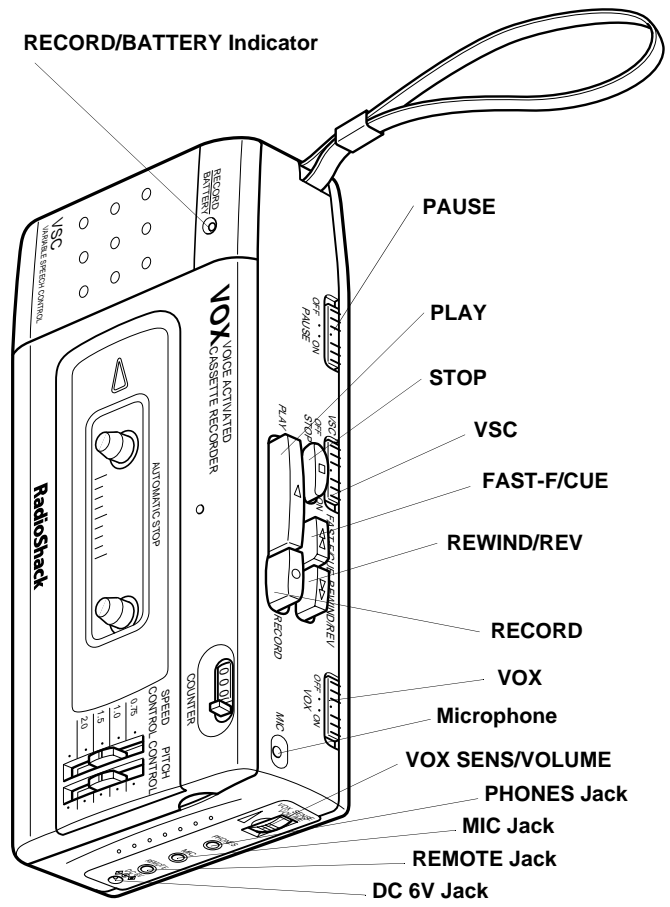
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Caution: Avoid using C-120 cassette tapes. They are very thin and can easily become tangled in the tape-handling parts.



A QUICK LOOK AT THE CTR-118



PREPARATION

SUPPLYING POWER

You can power your cassette recorder from any of these three power sources:

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

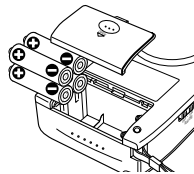
Using Internal Batteries

Your recorder can use four 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.

Follow these steps to install batteries.



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

When the RECORD/BATTERY indicator does not light steadily during recording or 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 with batteries for a month or more, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.

Using AC Power

You can power the recorder using a 6V, 250 mA AC adapter and a size B Adaptaplug[®] adapter (neither supplied). Both are available at your local RadioShack store.

Cautions:



You must use a Class 2 power source that supplies 6V DC and delivers at least 250 mA. Its center tip must be set to positive and its plug must fit the recorder's **DC 6V** jack. Using an adapter that does not meet these specifications could damage the recorder or the adapter.

-
- Always connect the AC adapter to the recorder before you connect it to AC power. When you finish, disconnect the adapter from AC power before you disconnect it from the recorder.

Note: Connecting an AC adapter disconnects the internal batteries.

Follow these steps to power the recorder using an AC adapter.

1. Connect the Adaptaplug adapter to the AC adapter's cord and set the tip to + (positive).
2. Insert the barrel plug into the recorder's **DC 6V** jack.
3. Plug the other end of the AC adapter into a standard AC outlet.

USING VEHICLE BATTERY POWER

You can power the recorder from a vehicle's 12V power source (such as cigarette-lighter socket) using a 6V, 250 mA DC adapter and a size B Adaptaplug adapter (neither supplied). Both are available at your local RadioShack store.

Cautions:



You must use a power source that supplies 6V DC and delivers at least 250 mA. Its center tip must be set to positive and its plug must fit the recorder's **DC 6V** jack. Using an adapter that does not meet these specifications could damage the recorder or the adapter.

-
- Always connect the DC 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.

Note: Connecting a DC adapter disconnects the internal batteries.

Follow these steps to power the recorder using a DC adapter.

1. Set the adapter's voltage switch to 6 volts.
2. Connect the Adaptaplug adapter to the DC adapter's cord and set the tip to + (positive).
3. Insert the barrel plug into the recorder's **DC 6V** jack.
4. Plug the other end of the DC adapter into the vehicle's cigarette-lighter socket.

CONNECTING AN EARPHONE/ SPEAKER

You can use an optional earphone for listening privately to your recorder. You can also use the **PHONES** jack to connect an amplified speaker.

Notes:

- Your local RadioShack store sells a wide variety of earphones and speakers.
- If you connect stereo earphones to your recorder, you hear the same mono sound in both ears.

Insert the speaker's or earphone's $\frac{1}{8}$ -inch (3.5-mm) plug into the **PHONES** jack. This automatically disconnects the internal speaker.

Listening Safely

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

- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.
- Set the volume to its lowest level before you begin listening. After you put on the earphone, adjust the volume to a comfortable listening level.
- Do not increase the volume once you have established a comfortable listening level. Over time, your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.

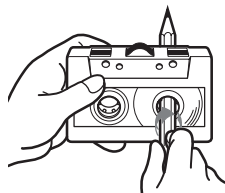
Traffic Safety

Do not wear an earphone while operating a motor vehicle or riding a bicycle. This can cause a traffic hazard and could be illegal in some areas.

Even though some earphones are designed to let you hear outside sounds when listening at normal volume levels, they still can present a traffic hazard.

PLAYING A CASSETTE TAPE

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 play mechanism. Avoid touching the tape.
2. Pull open the cassette compartment door.
3. Insert the tape into the cassette guides so the open edge faces up and the side you want to play faces the compartment's window.
4. Close the cassette compartment door.
5. Turn **VOX SENS/VOLUME** to its minimum position (in the direction of the arrow on the side of the cassette recorder).
6. Set **VSC** (variable speech control) to **ON** or **OFF** as desired (see "Using Variable Speech Control (VSC)" on Page 11).
7. If you set **VSC** to **ON**, set **SPEED CONTROL** for the playback speed you want to use.
8. Press **PLAY**. The tape begins to play.
9. Adjust **VOX SENS/VOLUME** to a comfortable listening level. If you set **VSC** to **ON**, set **PITCH CONTROL** for the best sound at the selected speed.
10. The recorder automatically stops the tape when it reaches the end. To stop the tape sooner, press **STOP**.



Notes:

- To stop play momentarily, slide **PAUSE** to **ON**. Slide **PAUSE** to **OFF** to continue playing.
- To advance or rewind the tape, press **FAST-F/CUE** or **REWIND/REV**. The button locks down, and the tape continues moving until you press **STOP**.
- If you press **FAST-F/CUE** or **REWIND/REV** while the tape is playing, you hear the tape playing at high speed. This can help you locate a specific portion of the tape.

USING VARIABLE SPEECH CONTROL (VSC)

Set **VSC** to **OFF** to listen to a tape at normal speed.

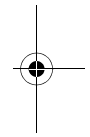
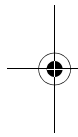
Set **VSC** to **ON** if you want to speed up or slow down the playback speed. With **VSC** set to **ON**, you can set **SPEED CONTROL** to play back a cassette tape at 0.75 to 2 times the normal speed. If the sound is unintelligible, simply adjust **PITCH CONTROL**.

Note: VSC lets you control the playback speed, but it also consumes more power. To maximize battery life, only set **VSC** to **ON** when you want to vary the speed.

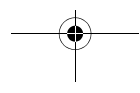


USING THE TAPE COUNTER

The tape counter advances or counts backward according to the tape's movement. This can help you locate a particular segment on the tape. Before you begin play or record on a tape, press the reset button to set the counter to 000. Then, play or record the tape.



12



RECORDING

VOICE-ACTIVATION RECORDING

Voice-activation starts the tape recording when the cassette recorder detects sound and stops recording when the sound stops.

1. Load a blank cassette tape, or one you want to record over, into the recorder.
2. Set **VOX** to **ON**.
3. Set **VOX SENS/VOLUME** to the best position for starting the recorder in your current recording environment. At its maximum position, a soft sound can turn on the recorder. At its minimum position, a louder sound is required.

Note: Adjusting **VOX SENS/VOLUME** does not change the recording level. The recording level is set automatically.

4. Press **RECORD**. The RECORD/BATTERY indicator lights. Recording begins when the microphone picks up a sufficiently-loud sound (based on the **VOX SENS/VOLUME** setting). Recording stops when the cassette recorder does not detect sound or the sound stops.
5. The cassette recorder automatically stops the tape when it reaches the end of the current side. To stop the tape sooner, press **STOP**.

MANUAL RECORDING

1. Load a blank cassette, or one you want to record over, into the recorder.
2. Set **VOX** to **OFF**.
3. Press **RECORD**.
4. To stop recording before the tape ends, press **STOP**.

QUICK RECORD

During playback, you can press **RECORD** to go directly to recording without pressing **STOP** first. This is handy if you want to quickly record something at the end of a previous recording.

RECORDING WITH AN EXTERNAL MICROPHONE

You can connect an external microphone (not supplied) with a $\frac{1}{8}$ -inch (3.5-mm) plug to the recorder's **MIC** jack. This automatically disconnects the internal microphone.

Note: Your local RadioShack store sells a variety of microphones.

If your microphone has a remote control switch, insert the microphone's $\frac{3}{32}$ -inch (2.5-mm) remote control plug into the recorder's **REMOTE** jack. You can then operate the recorder from the external microphone's switch.

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.

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.

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.

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

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.

CARE

To enjoy your recorder for a long time:

- 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 gently and carefully. Do not drop it.
- Keep the recorder away from dust and dirt.
- Wipe the recorder with a damp cloth occasionally to keep it looking new.

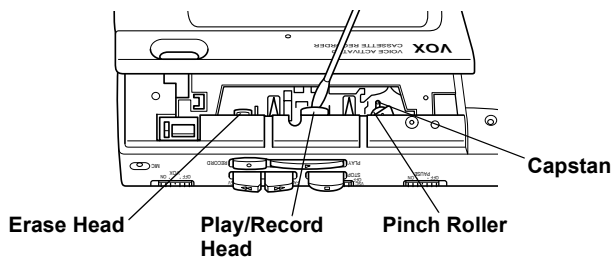
Modifying or tampering with the recorder's internal components can cause a malfunction and invalidate its warranty. If your recorder is not performing as it should, take it to your local RadioShack store for assistance.

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 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.

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

SPECIFICATIONS

Tape System	2-Track, Monophonic Cassette
Tape Speed	1 ⁷ / ₈ ips (4.75 cm/sec)
VSC Speed Range	0.75–2 × Normal Speed
VSC Pitch Correction Range	1–2 × Normal Speed
Wow and Flutter	0.35% (WRMS)
Signal-to-Noise Ratio (Rec/Play)	40 dB
Bias Type	Magnetic
Record System	AC Bias
Tape Type Recommended	Normal Bias Type I
Power Requirement:	
DC	Four AA Batteries (6 volts DC) (or from a vehicle's cigarette-lighter socket with optional DC adapter)
AC	(120 Volts with optional AC adapter)
Size (HWD)	6 ¹⁷ / ₃₂ × 3 ⁷ / ₁₆ × 1 ¹¹ / ₁₆ Inches (166 × 87.5 × 43 mm)
Weight (without Batteries)	12.2 oz (310 g)

Specifications are typical; individual units might vary. Specifications are subject to change 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.

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