

# C.CRANE

# VERSACORDER

**Dual Speed Recorder**

## **INSTRUCTION MANUAL**



**PLEASE READ ALL THE INSTRUCTIONS COMPLETELY BEFORE USE  
AND SAVE THIS MANUAL FOR FUTURE REFERENCE.**



## ***Before Use***



**Please read IMPORTANT SAFETY INSTRUCTIONS on pages 19 - 22 before use. It is important to read and understand all instructions.**

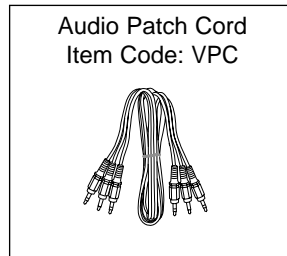
### **For your future reference:**

Serial No. \_\_\_\_\_  
(found inside battery compartment)

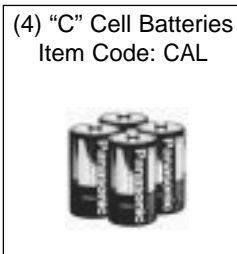
Date of purchase \_\_\_\_\_

Name and address of dealer \_\_\_\_\_

### **Included Accessories:**



### **Optional Accessories:**



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Phone: 1-800-522-8863 Web: ccrane.com

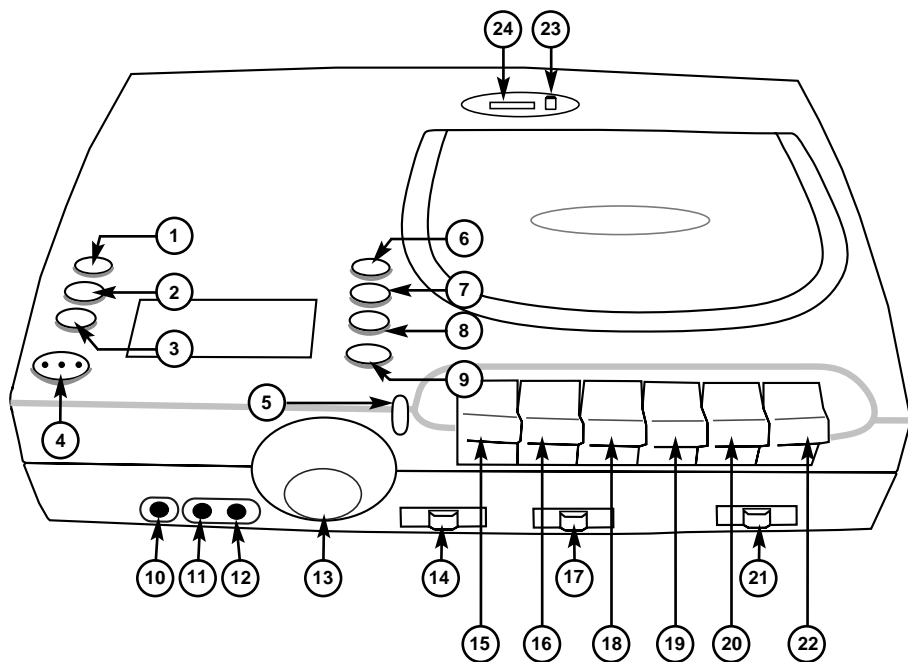
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# Location of Controls

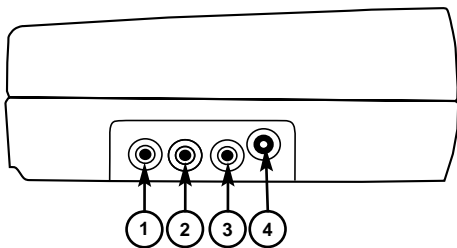


## Control Identification

- |                           |  |
|---------------------------|--|
| 1) Day                    | 14) Voice Activation Switch<br>(See page 13) |
| 2) Hour                   | 15) Record                                   |
| 3) Minute                 | 16) Play                                     |
| 4) Built-In Microphone    | 17) Voice Activation Switch<br>(ON/OFF)      |
| 5) Record or Status Light | 18) Rewind/Review                            |
| 6) Clear or Recall time   | 19) Fast Forward/Cue                         |
| 7) Clock                  | 20) Stop/Eject                               |
| 8) Program                | 21) Normal/Quarter Speed                     |
| 9) Timer ON/OFF           | 22) Pause                                    |
| 10) Headphone Jack        | 23) Tape Counter Reset                       |
| 11) Telephone Beep        | 24) Tape Counter Display                     |
| 12) Microphone Input      |  |
| 13) Volume Knob           |  |

## Location of Controls

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### Control Identification

- 1) LINE IN
- 2) Timer Activation Switch
- 3) LINE OUT
- 4) DC Power In



**To access the handle:** Put fingers in the well underneath the VersaCorder and pull gently.

## Connection to Power

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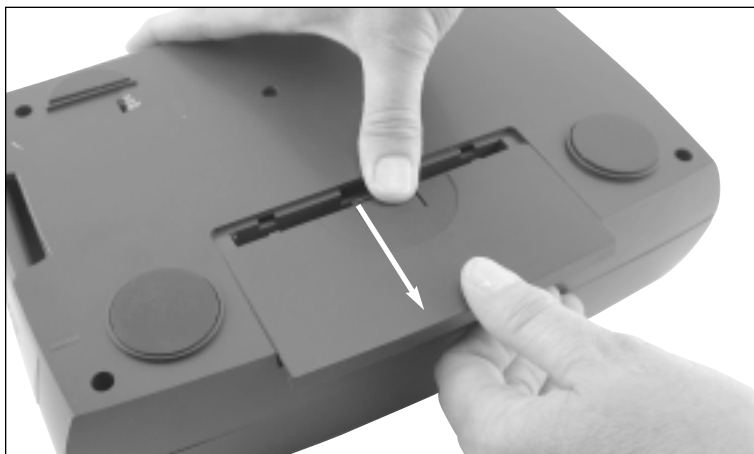
The VersaCorder will run on the included AC adapter. It will also run on (4) "C" size Alkaline or rechargeable batteries. Batteries are necessary to keep the clock time and program memories if the power cord is removed from the recorder for more than 3 minutes.



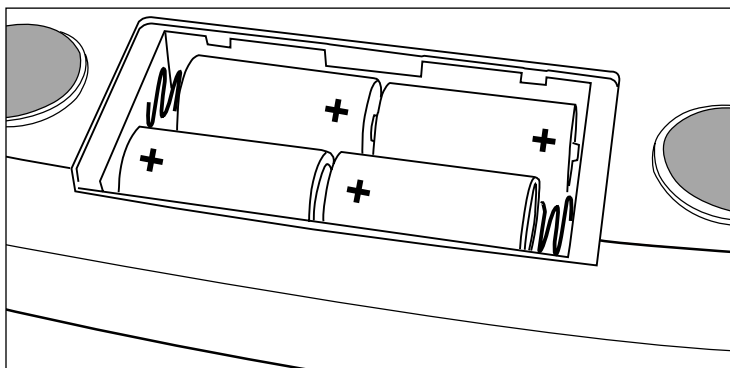
## Battery Installation

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- 1) Open the cover by pushing the ribbed tab down firmly and pulling the cover off toward the back of the unit.



- 2) Insert the (4) "C" cell batteries into the compartment as indicated in the drawing below. Be sure the negative (-) end is against the spring. Refer to the drawing below to insure correct installation of your batteries.



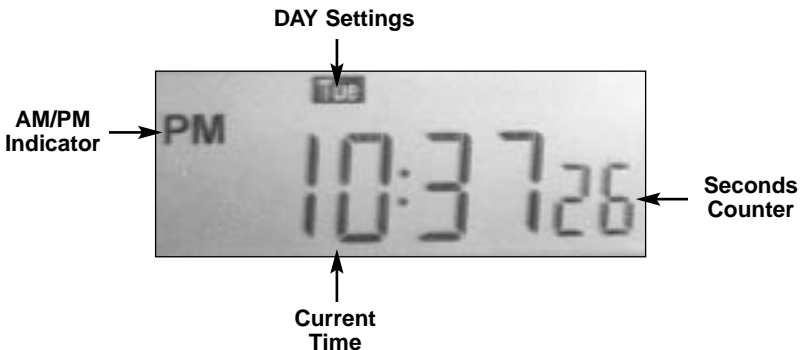
- 3) Gently slide the cover back on to close.

# Setting the Clock and Day

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- 1) **Press and hold** the CLOCK Button while setting the time.
- 2) While holding the CLOCK Button, press the DAY Button and select the corresponding day as shown on the display.
- 3) While holding the CLOCK Button, press the HOUR Button until the appropriate hour and AM/PM is indicated on the display.
- 4) While holding the CLOCK Button down, press the MIN Button and select the appropriate minute setting. Each time you press the MIN Button the seconds reset to "0".



## Cassette Tapes

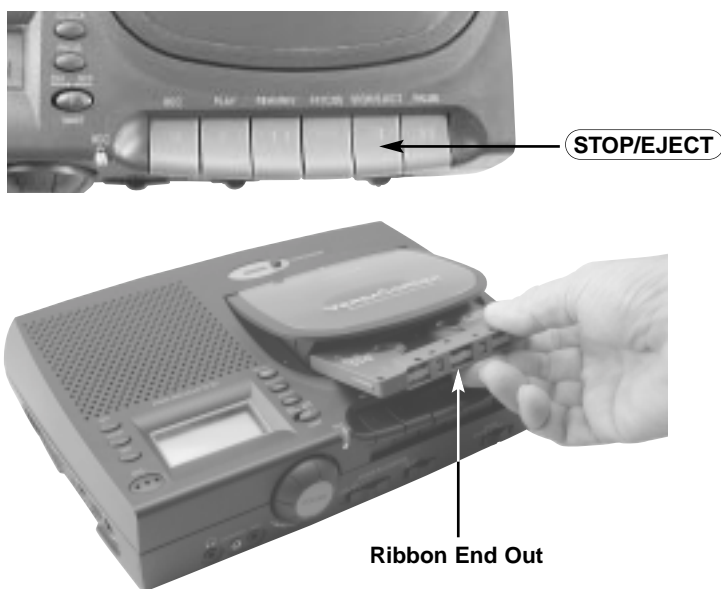
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We recommend high quality, 110 minute cassette tapes for use in the VersaCorder. In tests, these tapes provide an acceptable balance between maximum play/recording time and prolonged tape life. Longer cassette tapes are available, however the tape material is very thin and may stretch or break during operation. With the extra long tapes, any cassette player is more likely to “eat” the tape.

### Inserting Cassette Tapes

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- 1) Press the STOP/EJECT Button to open the lid.



- 2) Insert the cassette as shown (above).
- 3) Once the tape is inserted correctly, close the cassette door gently.

The VersaCorder has the ability to record in NORMAL speed for best audio quality. When extended recordings of talk radio, speeches and lectures, telephone conversations, or any format that does not require a high-fidelity recording is desired, the VersaCorder can be switched into QUARTER speed mode. This mode will record 4 times longer than NORMAL speed, however, record quality for music is reduced. If a recording is made in QUARTER speed, it can only be played back in a QUARTER speed player (unless you want voices to sound like chipmunks).



## Recording Instructions

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### *How to Record From A Radio*



The VersaCorder can be used with any radio that has a headphone jack or LINE OUT. With the VersaCorder you can listen while recording.

- 1) Turn the radio volume up to a gentle listening level. If the volume of the radio is set too loud, the playback sound may be distorted.
- 2) Put a tape in and select the speed you want to record at.
- 3) Plug the 1/8" stereo patch cord into your radio LINE OUT or headphone jack and the LINE IN of the VersaCorder. You can use the red plugs of the included patch cord.
- 4) Press the RECORD and PLAY Buttons at the same time. The red light will flash.

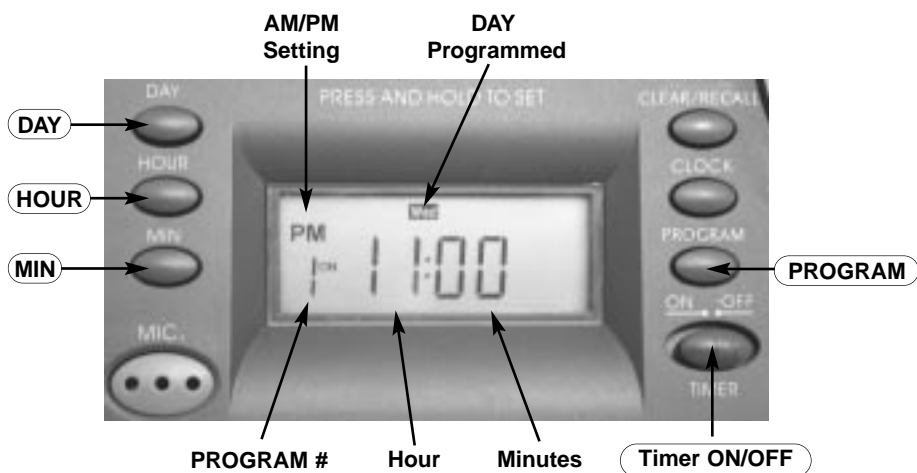
Adjust the volume on the VersaCorder to the level you want or turn the volume off if you wish.

**Note:** If the Timer Switch is ON, normal recording won't work. Make sure the Timer Switch is OFF.

## Recording Instructions

### Recording Using the Timer

- 1) To set the **ON time**, press the PROGRAM Button once. The number “1” and “ON” will appear in the display.



- 2) Press the DAY Button until the desired day appears in the display.  
**Note:** The VersaCorder can record any single day, weekends, weekdays or everyday.
- 3) Select the appropriate hour by pressing the HOUR Button until the desired hour appears in the display.
- 4) Select the appropriate minute by pressing the MIN Button until the desired minute appears in the display.
- 5) To set the **OFF time**, press the PROGRAM Button once and OFF will be displayed. Follow steps 2-4 above to set the appropriate OFF time. If you are recording a four hour talk show that starts at 11:00 PM on Monday, be sure to change the OFF time DAY to Tuesday.
- 6) Set the Timer Switch to ON and press the PLAY and RECORD Buttons. Make sure the Voice Activation is “Off”.

If you wish to program another event, you can press the PROGRAM Button again and event number “2” and “ON” will appear. Follow steps 2-4 to program your ON and OFF times.

After you have set the timer, you can press the CLOCK Button to return to the clock display.

## Recording Instructions

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### *Tips and Notes*

There are a total of (6) recording timers. Each one can be programmed with a separate ON/OFF Time and Day.

To DELETE a programmed ON or OFF time, press the PROGRAM Button repeatedly until the time you wish to delete is displayed. Next, press the CLEAR/RECALL Button. Four dashes will appear to verify that the ON or OFF time has been deleted. Pressing the CLEAR/RECALL Button again will reinstate the deleted time.

The CLEAR/RECALL Button can be used to clear the event ON or OFF time or if you press it again the previous time programmed in that event will display.

**Note:** If you are recording a four hour talk show that starts at 11:00 PM on Monday, be sure to change the end time DAY to Tuesday.

## Quick Checklist for Timed Recording from a Radio

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1. Has the tape been inserted correctly and rewound?
2. Have you reset the counter?
3. Is the Timer Switch on?
4. Are the RECORD & PLAY Buttons down?
5. Is it set to the correct speed?
6. Is your radio on and at an appropriate volume?
7. Is the VOICE ACTIVATED Switch turned off?
8. Is the PAUSE Button released?

Check ON and OFF times. Make sure they have the correct day time and AM and PM. If you want silent recording verify that the volume is turned down on the VersaCorder.

## **Special Recording Instructions**

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### ***Recording A 4-Hour Radio Show On One Side Of A 110-Minute Cassette Tape***

The VersaCorder has a Six Event Timer that can be programmed to come on and go off. This can be used to extend your tape time and eliminate many commercials. To set up the VersaCorder for timed recordings, press the program button to dial through the six timers. Press the hour and minute buttons to set each timer. See page 10 for instructions on setting the timer.

Most radio shows follow a regular schedule. Note the begin and end times of the commercial breaks, so you can program the VersaCorder correctly. For our example below, we have used a radio show which airs its commercial breaks near the top of the hour and at the half hour.

#### **Follow these steps to set all six timers:**

##### **Timer 1**

*On* – Set Timer 1 to come on at 6 min. after the hour to begin recording the show. (If the show starts at midnight, set the timer for 12:06 AM.)

*Off* – Set Timer 1 to go off before the next commercial break, which is at 30 min. after the hour (12:30 AM).

##### **Timer 2**

*On* – Set Timer 2 to come on at 34 min. after the hour (12:34 AM).

*Off* – Set Timer 2 to go off at 58 min. after the hour (12:58 AM) before the next commercial break.

##### **Timer 3**

*On* – Set Timer 3 to come on 6 min. after the second hour (1:06).

*Off* – Set Timer 3 to go off at 30 min. after the second hour (1:30).

##### **Timer 4**

*On* – Set Timer 4 to come on at 34 min. after the second hour (1:34).

*Off* – Set Timer 4 to go off at 58 min. after the second hour (1:58).

##### **Timer 5**

*On* – Set Timer 5 to come on at 6 min. after the third hour (2:06).

*Off* – Set Timer 5 to go off at 58 min. after the third hour (2:58).

##### **Timer 6**

*On* – Set Timer 6 to come on at 6 min. after the fourth hour (3:06).

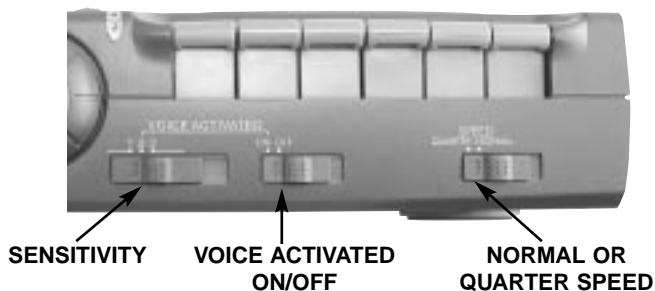
*Off* – Set Timer 6 to go off at 58 min. after the fourth hour (3:58).

## Recording Instructions

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### *Using Voice Activated Recording*

- 1) Set the VersaCorder on QUARTER speed for longest record time.
- 2) Switch VOICE ACTIVATED to "ON".
- 3) Press the "PLAY" and "RECORD" Buttons at the same time.
- 4) Set SENSITIVITY so the recorder starts when someone is talking.



Sensitivity can be set on 1, 2, or 3. Number "1" is the most sensitive and can be used when there is little background noise and you would like to record people in a room, such as a meeting. Number "2" works well when a single person is talking within 2 feet of the microphone. Number "3" is the least sensitive and can be used to record someone speaking directly into the microphone (good for high background noise areas).

The voice activated feature on the VersaCorder can be used with a police scanner, to save tape, or in a 911 center to record phone calls.

## Recording Instructions

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### *Using Voice Activated Recording with Timer*

The VersaCorder may also be set up for a timed and voice activated recording. This might be used to record noises in a room at a certain time of day. It could also be used to record a conference when you cannot be there.

- 1) Follow the above instructions for voice activated recording.
- 2) Set the timer. See page 10 for instructions on setting the timer.

## Recording Instructions

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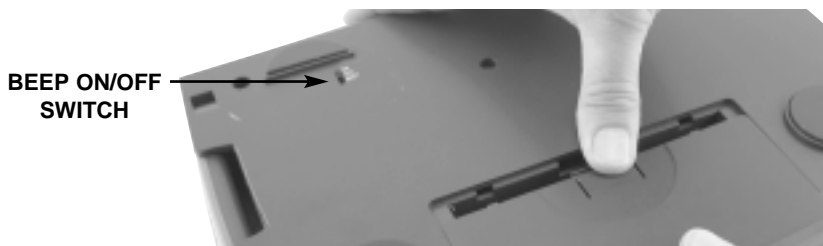
### *Recording A Telephone Call*

You can purchase a telephone patch cord and phone line splitter from your C. Crane dealer or C. Crane Company at 800-522-8863 ([www.ccrane.com](http://www.ccrane.com)).

- 1) Connect the dual tip end of your patch cord to the phone BEEP and MIC input on the front of the VersaCorder.
- 2) Connect the phone line splitter to your phone wall jack.
- 3) Connect your existing phone line to the splitter.
- 4) Connect the phone plug end of the patch cord into the splitter.
- 5) Set the VersaCorder to QUARTER speed for maximum record time.
- 6) Switch VOICE ACTIVATED to "ON".
- 7) Press the PLAY and RECORD Buttons at the same time.
- 8) Set SENSITIVITY to number "2" and test to be sure the recorder starts when someone is talking.



On the bottom of the VersaCorder there is a switch that will allow you to insert a BEEP into your conversations at regular intervals. This will help advise both parties they are being recorded and may be required by law. Set the switch to ON to activate.



**Note: It may be illegal to record a call without both parties knowledge and consent.** Please check with your local law enforcement for details and advice. **For important information, see pages 21 and 22.**

Accessory: Telephone Patch Cord, Item Code: VCP

## Remote Switch Operation

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Some radios have a special Remote Switch connection provided. This is for directly recording from a built in timer on the radio. The VersaCorder may be compatible with the remote switch supplied on these receivers. Please refer to the radio or device's manual for proper operation of this feature. The Remote Switch works with the CCRadioplus, Sangean ATS909, Radio Shack DX398, and the Grundig Satellit series.

## Remote Switch Operation

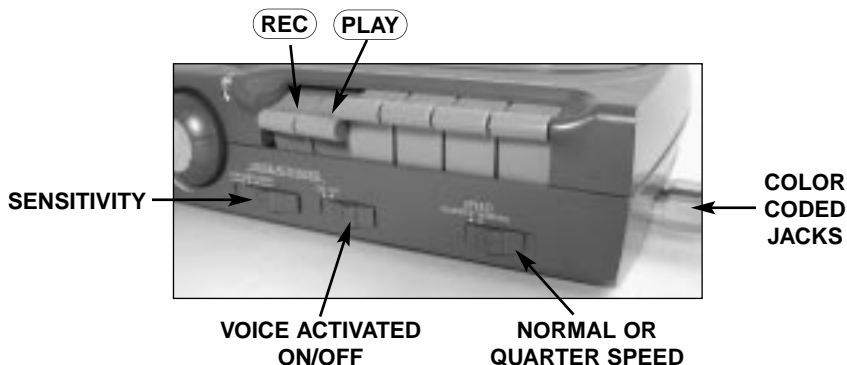
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### *For Use With the CCRadioplus*

The patch cord provided with the VersaCorder can be used with the CCRadioplus as shown in the photo. It is color coded for ease of installation. When the plugs are inserted, the CCRadioplus becomes the master control for the timer and overrides the VersaCorder's timer. (Please refer to page 16 of the CCRadioplus manual on Setting the Timer.) You can set up the VersaCorder as follows:



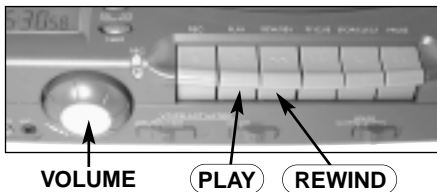
- 1) Plug the patch cord in according to color coding.
- 2) Set VOICE ACTIVATED to the "OFF" position.
- 3) Set TIMER to the "OFF" position.
- 4) Press the RECORD and PLAY Buttons on the VersaCorder.
- 5) Set the desired speed of the VersaCorder.



## Playback Instructions

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- 1) Insert tape. The side you want to listen to should be facing up. Refer to page 8 for instructions.
- 2) Press REWIND until the tape stops.
- 3) When tape is fully rewound, press the PLAY Button.



If you are checking your test recording, ensure the volume is at an adequate level and the audio does not distort. If audio is distorted, the audio source volume is turned up too high. If low or no audio is present, turn up volume or refer to trouble shooting section on pages 17-18.

If you are playing a pre-recorded cassette tape (i.e one purchased from the store), the recording was most likely made in NORMAL speed. Insert the cassette tape into the recorder (For proper tape installation, please refer to Inserting Cassette Tapes on page 8). Position the SPEED switch on the front of the recorder to NORMAL and press the PLAY Button.

**Note:** The VersaCorder will play tapes back in stereo through the headphone jack.

## Audio Sources

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### LINE IN/OUT:

**LINE IN** is a special connection that is compatible with any **LINE OUT (or headphone jack)**, commonly found on portable CD



receivers, computer audio output, etc. "LINE LEVEL" refers to a low level audio that does not change when you increase the volume of the receiver or other audio device. You can connect the LINE OUT of any device through the supplied audio cables into the VersaCorder's LINE IN and record the audio from that device. The headphone jack of a radio or other device can be used if there is not a LINE OUT available. Since the headphone jack will vary with the volume control, it is best to do a test recording and play back to obtain best results.

### MIC IN:

Just about any condenser-type microphone will work well with the Versacorder. The jack is a 1/8" (3.5mm).



## Troubleshooting Guide

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### **Slow FF and REW speed or varying speed during record/playback:**

This is a symptom of low batteries. Plugging in the AC Adapter should cure the problem. It is recommended that you plug in the AC Adapter when changing batteries to avoid losing clock and timer settings. If the batteries are removed and the AC Adapter is not plugged in, all clock and timer settings will be lost within three minutes.

### **I can't record on my tape:**

Cassette tapes have a "record protection" tab on the bottom of the cassette that can be removed to prevent the tape from being erased or recorded over. If the tab is removed, you will not be able to record on this tape. Removing the tab prohibits the REC button on the VersaCorder from being pushed down.

### **I only get the room noise when trying to record:**

Please read the instructions on LINE IN on page 9 & 16 before recording. Your low-level audio source must be plugged into the LINE IN jack on the side of the VersaCorder before recording from an external audio device. If nothing is plugged into the LINE IN jack, the internal microphone on the VersaCorder is activated and will record audio from your room.

### **Audio on playback is distorted:**

If audio is distorted on playback be sure the audio coming from your receiver is at a low level. Distorted audio can also be caused by an old tape or low batteries.

### **My recorder is not recording at the right time:**

If your recorder does not record at the right time be sure the AM and PM and DAY are correct. Also make sure you have set a different ON and OFF Time. If you are recording a four hour talk show that starts at 11:00 PM on Monday be sure to change the OFF time DAY to Tuesday.


### **I keep getting a beep in my recordings:**

Check the BEEP switch on the bottom of the VersaCorder and make sure it is set to OFF.

# Troubleshooting Guide

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## **I have programmed the timer but it will not record:**

- 1) Check to see that the TIMER switch is on, the REC and PLAY buttons are pushed down, and the PROGRAM time is correctly set for AM or PM. See page 10 for Recording Instructions.
- 2) Is the patch cord plugged in? Unless you have a CCRadioplus and have programmed it to start the VersaCorder, do not plug the patch cord into the TIMER ACTIVATION SWITCH  port. See page 15 for Remote Switch Operation.

## **The VersaCorder is eating my tapes:**

If the VersaCorder starts “eating” your tapes, please remember we recommend tapes no longer than 110 minutes for reliable service. Longer tapes are more likely to wind around the tape mechanism and create a problem. If a 110 minute tape continues to wind around the mechanism then try a new tape or rewind and fast forward the tape before trying again. If the recorder continues to jam up, even on new tapes, your unit may need servicing or replacing.

## **I keep hearing a “clicking” noise on my tape:**

Check to see if the counter is at 9999 and has not rolled over. Just push the reset button on the counter to reset it to zero.

## **The VersaCorder’s audio is too low on playback, and I hear a hiss in the background:**

The recording was made with the source volume set too low. First, make sure the VersaCorder is properly connected to the audio source. Next, increase the volume on the audio source and re-record and test the volume on the new recording. If the volume from the audio source is set too low, you will record only tape hiss and setting the volume from the audio source too high will cause the recorded sound to be distorted.

## **Can I use the phone patch cord and the radio patch cord at the same time?**

No. In order to record using the phone patch cord, you must disconnect the radio patch cord from the LINE IN jack.

## **Maintenance:**

It is a good idea to keep your VersaCorder and tapes as clean as possible. Tape recorders under daily heavy use, often last only about one year. Dust and dirt is the biggest cause of wear.

# Safety Instructions

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## READ BEFORE OPERATING EQUIPMENT SAVE THESE INSTRUCTIONS

- 1) Read and understand all safety and operating instructions before the VersaCorder is operated.
- 2) Retain Instructions: The safety and operating instructions should be retained for future reference.
- 3) Heed Warnings: All warnings on this appliance and all operating instructions should be followed.
- 4) Water and Moisture: The VersaCorder should not be used near water. Do not use near a bathtub, washbowl, laundry tub, kitchen sink, wet basement, swimming pool, etc. Risk of electric shock may result.
- 5) Unplug the VersaCorder from the AC Adapter before cleaning. Only use a damp cloth for cleaning the exterior surfaces of the recorder.
- 6) Do not place the VersaCorder on an unstable cart, stand, bracket or table. The recorder may fall, causing serious personal injury and/or damage to the recorder may result.
- 7) Heat: Never put the VersaCorder in direct sunlight in an unventilated area or behind glass such as a car's interior. The recorder should be kept away from heat sources such as radiators, heat registers, stoves, or other appliances that produce heat.
- 8) AC Adapter: The AC Adapter should be positioned so it is not walked on, pinched, or have items placed on top of it. All power and recording cables should be routed away from walkways or areas of foot traffic to avoid being tripped on. Always unplug the AC power adapter by gripping the adapter unit and pulling it out of the wall socket. Never pull on the cord. Always operate the VersaCorder using the correct supplied AC Adapter. Adapters that are not correctly rated can damage the recorder. If you are not sure of the correct AC Adapter, consult your dealer.
- 9) Never insert objects of any kind into the VersaCorder through openings. The objects may touch dangerous voltage points or short out parts causing damage to the recorder.

## Safety Instructions

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- 10) If the recorder is stored for long periods of time, unplug it from the wall outlet and remove the batteries. This will prevent damage caused by lightning or power line surges and will keep battery acid from leaking inside of the recorder.
- 11) Never attempt to service the VersaCorder yourself. Removing the cover may expose you to dangerous voltage levels and will void the warranty. Refer all servicing to authorized service personnel.
- 12) The VersaCorder should be serviced by qualified service personnel when any of the following occur:
  - a) Objects have fallen or liquid has been spilled into the recorder.
  - b) The recorder has been exposed to rain.
  - c) The recorder does not appear to operate normally or exhibits a marked change in performance.
  - d) The recorder has been dropped or the enclosure damaged.
- 13) The user should not attempt to service this recorder beyond what is described in the operating instructions. All other servicing should be referred to qualified service personnel. The symbols on the next page are to alert you to important operation or servicing instructions that may appear in the owner's manual.

### Accessory

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#### FM Transmitter

Wireless Audio Transfer Device

Transfer audio from your VersaCorder to any radio using the FM Transmitter.

Item Code: FMT



## Safety Instructions

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### READ THIS BEFORE INSTALLATION

Each device that you connect to the phone line draws power from the phone line. We refer to this power draw as the device's ringer equivalence number, or REN. The REN is on the bottom of your telephone cassette recorder.

If you are using more than one device on the line, add up all the RENs. If the total is more than five, your phone might not ring and your telephone cassette recorder might not record. In rural areas, a total REN of three might impair ringer operation. If ringer operation is impaired, disconnect one of the devices from the line.

### FCC STATEMENT

Your telephone cassette recorder complies with Part 68 of FCC Rules. You must, upon request, provide the FCC registration number and the REN to your phone company. Both numbers are on the bottom of your telephone cassette recorder.

**Note:** You must not connect your telephone cassette recorder to:

- coin-operated systems
- party-line systems
- most electronic key phone systems

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

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



This symbol is intended to alert you to the presence of uninsulated 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.

## Safety Instructions

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**Important:** The law in some areas requires that all parties on the phone line be able to hear a beep indicating the conversation is being recorded. If you connect the telephone cassette recorder to your phone using the supplied dual-prong cord and handset adapter, all parties on the phone line might not hear a beep during recording. We recommend you check the laws in your area. If it is unlawful to record without a beep sounding, or if you are unsure, connect the telephone cassette recorder as described in "Connecting Directly to the Phone Line" to ensure the beep will sound.

### Consumer Information And FCC Requirements

1. This equipment complies with Part 68 of the FCC rules. On the bottom of this equipment is a label that contains, among other information, the FCC registration number and Ringer Equivalence Number (REN) for this equipment. If requested, provide information to your telephone company.
2. The REN is useful to determine the quantity of devices you may connect to your telephone and still have all of those devices ring when your number is called. In most, but not all areas, the sum of the RENs of all devices should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should call your local telephone company to determine the maximum REN for your calling area.
3. If your VersaCorder causes harm to the telephone network, the telephone company may discontinue your service temporarily. If possible, they will notify you in advance. But if advance notice isn't practical, you will be notified as soon as possible. You will be advised of your right to file a complaint with the FCC.
4. Your telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the proper operation of your equipment. If they do, you will be given advance notice so as to give you an opportunity to maintain uninterrupted service.
5. If you experience trouble with the VersaCorder, please contact the C. Crane Company at 1001 Main St. Fortuna, CA 95540 (800) 522-8863, for repair/warranty information. The telephone company may ask you to disconnect this equipment from the network until the problem has been corrected or you are sure that the equipment is not malfunctioning.
6. There are no repairs that can be made by the customer to the VersaCorder.
7. This equipment may not be used on coin service provided by the telephone. Connection to party lines is subject to state tariffs. (Contact your state public utility commission or corporation commission for information).

## About C. Crane Company Inc.

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The C. Crane Company began soon after Bob and Sue Crane moved from the San Francisco Bay Area to the beautiful and remote Redwood Country of Northern California. As they settled into Fortuna, in the heart of the Redwoods, and tried to tune in their favorite AM stations, Bob and Sue were shocked. They either heard a lot of static or nothing at all. Trying to find a solution, they soon discovered there were few products available to enhance poor AM radio.

Bob, being an all-around clever guy, found his own solution to weak AM reception: the Select-A-Tenna! The Cranes were so impressed with this simple antenna that they knew they had to get the word out. So, they decided to create a company to market this wonderful antenna: the C. Crane Company was born. As for the mysterious letter "C", well, Bob and Sue's middle names both begin with the letter "C", thus the name C. Crane. They decided to advertise the antenna on the radio, and before they knew it, the C. Crane Company was up and running.

That was over 25 years ago, and it all started on a kitchen table that Bob built himself. This simple cherry wood table acted as the shipping and receiving station, showroom table, and Bob's office desk. Bob and Sue were the first phone operators. This made them realize that their customers expected to hear a real live person who is willing to listen to their questions, and more importantly, able to respond to their inquiries with knowledge and respect.

From the beginning, Bob and Sue Crane had a powerful idea about what they expected from the company that carried their name. They would only sell items they tested themselves and found to be of outstanding quality. They would always offer a 30-day money back satisfaction guarantee and be ready with the best customer service in the industry. Even though the company has grown a lot during the last quarter century, these family-based ethics still guide the company in everything they do.

Since the first Select-A-Tenna, the C. Crane Company has become one of the premier electronics companies in the nation. Exclusive items such as the CCRadio, the best radio for long range AM reception, and the Freeplay Plus Wind-up radio, continue to fulfill customer needs with top quality items found nowhere else. The C. Crane Catalog, published only three times a year, has expanded to include over three hundred high quality, unique, and outstanding items. Customers can be assured that the items included in the C. Crane Catalog are truly the best of the breed. Even today, all of C. Crane's products must pass exhaustive testing in the quality control lab, at home, at work, and in people's lives before they are included in the C. Crane Catalog.

Model: VERSACORDER

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.  
OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS.

- 1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
- 2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED,  
INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE  
OPERATION.

**Notice: The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.**