

Cat. No. 12-1586A

## **OWNER'S MANUAL**

Please read before using this equipment.

# **Chronomatic-278**

**AM/FM LED Alarm Clock Radio**

**Radio Shack**

# FEATURES

---

---

Your Chronomatic-278 AM/FM LED Alarm Clock Radio with Battery Backup and Battery Sentinel combines a superior electronic design with these special features:

**Large Digital Display** — makes the clock easy to read.

**Push Button Operation** — makes the clock radio easy to use.



**Dimmer** — lets you adjust the display's brightness.

**Sleep Feature** — lets you program the radio to play for up to 1 hour 59 minutes before it automatically turns off.

**Snooze Timer** — temporarily silences the buzzer or radio alarm so it sounds again in about 9 minutes.

**Battery Backup with Battery Sentinel®** — maintains clock and alarm operation for up to 8 hours if the power is interrupted, and indicates when you need to replace the backup battery.

**Warning:** To prevent fire or shock hazard, do not expose this product to rain or moisture.

	<b>CAUTION</b> RISK OF ELECTRIC SHOCK. DO NOT OPEN.	
<b>CAUTION:</b> 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 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.

© 1995 Tandy Corporation.  
All Rights Reserved.

Battery Sentinel, Chronomatic, and Radio Shack are registered trademarks used by Tandy Corporation.

# CONTENTS

---

---

<b>Preparation</b> .....	<b>4</b>
Connecting Power .....	4
Installing the Backup Battery .....	4
Adjusting the Display .....	4
<b>Clock Operation</b> .....	<b>5</b>
Setting the Time .....	5
Resetting the Seconds .....	5
Using the Alarms .....	6
Setting the Alarm Time .....	6
Using the Buzzer Alarm .....	6
Using the Radio Alarm .....	6
Using the Snooze Feature .....	7
Using the Sleep Timer .....	7
<b>Playing the Radio</b> .....	<b>8</b>
<b>Care and Maintenance</b> .....	<b>9</b>
FCC Information .....	10
<b>Specifications</b> .....	<b>11</b>

# PREPARATION

---

---

## CONNECTING POWER

Plug the Chronomatic-278's power cord into a standard AC outlet. The display flashes when the radio is first plugged in or if the power is interrupted and the backup battery is missing or weak.

- If the display flashes after a power failure, replace the battery and reset the clock.

1. To remove the battery compartment cover, press and hold the tab in the direction of the arrow then lift off the cover.

## INSTALLING THE BACKUP BATTERY

To keep the clock running in the event of a power failure, install a 9-volt back-up battery (not supplied). We recommend an alkaline battery, such as Radio Shack Cat. No. 23-553. A fresh battery powers the clock for up to 8 hours, and sounds the alarm for up to 10 minutes if power fails.

2. Snap the battery into the terminals and place it in the compartment.

**Caution:** Use only a fresh battery of the required size and type.

3. Replace the cover.

### Notes:

- Before you install the backup battery, plug in the power cord to prevent unnecessary drain on the battery.
- Replace the battery when BATTERY SENTINEL on the right side of the display lights.

## ADJUSTING THE DISPLAY

Set **DIMMER LOW/HIGH** to **LOW** or **HIGH**, depending on the amount of light in the room.

# CLOCK OPERATION

---

---

## SETTING THE TIME

1. Press and hold **TIME SET**, then press **HOUR**. The hour digits advance by 1 each time you press **HOUR**. Press and hold **HOUR** to rapidly advance the hour digits.

**Note:** The PM indicator appears on the top left of the display at 12:00 noon and disappears at 12:00 midnight.

2. While you hold down **TIME SET**, press **MINUTE**. The minute digits advance by 1 each time you press **MINUTE**. Press and hold **MINUTE** to rapidly advance the minute digits.
3. Release **TIME SET** when the desired time appears on the display.

## Resetting the Seconds

This feature lets you reset the seconds to zero. This is handy if you want to set the clock to a precise reference time.

Follow these steps to reset the seconds.

1. Press and hold **SLEEP**, then press **ALARM SET**. The display shows the set time's minutes and seconds.

2. Continue to press and hold **SLEEP**, then press **HOUR**. The seconds reset to zero.

3. Release **SLEEP**.

**Note:** The minutes advance by one if the display showed more than 29 seconds when you reset the seconds.

---

---

## USING THE ALARMS

### Setting the Alarm Time

1. Set **ALARM/AUTO/OFF/ON** to **OFF**.
2. Press and hold **ALARM SET**, then press **HOUR**. The time on the display advances by one hour each time you press **HOUR**. Hold down **HOUR** to rapidly advance the hour digits.
3. While you hold down **ALARM SET**, press **MINUTE**. The time on the display advances by one minute each time you press **MINUTE**. Hold down **MINUTE** to rapidly advance the minute digits.
4. Release **ALARM SET** when the desired alarm time appears on the display.

To view the preset alarm time at any time, press **ALARM SET**.

### Using the Buzzer Alarm

To turn on the buzzer alarm, set **ALARM/AUTO/OFF/ON** to **ALARM**.

At the preset time, the alarm sounds and automatically turns off after 1 hour, 59 minutes.

To turn off the alarm before 1 hour, 59 minutes, set **ALARM/AUTO/OFF/ON** to **OFF**.

To adjust the volume of the alarm sound, rotate **VOLUME**.

### Using the Radio Alarm

To turn on the radio alarm, set **ALARM/AUTO/OFF/ON** to **AUTO**. Be sure the station and volume are set. See "Playing the Radio."

At the preset time, the radio turns on and automatically turns off after 1 hour, 59 minutes.

To turn off the radio before 1 hour, 59 minutes, set **ALARM/AUTO/OFF/ON** to **OFF**.

---

---

## USING THE SNOOZE FEATURE

To temporarily silence the buzzer or radio so it sounds again after 9 minutes, press **SNOOZE**. You can repeat this until you set **ALARM/AUTO/OFF/ON** to **OFF** to turn off the alarm.

To reset the alarm to sound again at the same alarm time on the next day, set **ALARM/AUTO/OFF/ON** back to **ALARM** or **AUTO**.

**Note:** If BATTERY SENTINEL lights while you press **SNOOZE**, the backup battery is getting low.

## USING THE SLEEP TIMER

The sleep timer lets you set the radio to play for up to 1 hour 59 minutes, then automatically turn off. This is useful if you want the radio to play as you go to sleep.

To use the sleep timer, set **ALARM/AUTO/OFF/ON** to **OFF**.

**Note:** You can set **ALARM/AUTO/OFF/ON** to **AUTO** or **ALARM** if you want to use the sleep timer with the alarm function.

To play the radio for 59 minutes, press **SLEEP** once. **0:59** appears on the display. The radio plays for 59 minutes, then turns off.

To play the radio for more than 59 minutes, press and hold **SLEEP**. **0:59** appears on the display and the radio begins to play. While you hold down **SLEEP**, press **HOUR** once. **1:59** appears. Then press **MINUTE** until the display shows the desired sleep time.

To play the radio for less than 59 minutes, press and hold **SLEEP**. **0:59** appears on the display and the radio begins to play. While you hold down **SLEEP**, press **MINUTE**. The time on the display decreases by one minute each time you press **MINUTE**.

**Note:** Hold down **MINUTE** to rapidly decrease the playing time.

To turn off the radio before the preset sleep time has elapsed, press **SNOOZE**.

# PLAYING THE RADIO

---

---

1. Rotate **VOLUME** to its minimum level.

6. To turn off the radio, set **ALARM/AUTO/OFF/ON** to **OFF**.

2. Set **ALARM/AUTO/OFF/ON** to **ON**.

**Note:** The AM antenna is built in. Rotate the clock radio for the best AM reception. For the best FM reception, fully extend the AC power cord (which is the FM antenna).

3. Set **FM/AM** to the desired band.

4. Rotate **TUNING** to the desired frequency.

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



# CARE AND MAINTENANCE

---

---

Your clock radio is an example of superior design and craftsmanship. The following suggestions will help you care for your clock radio so you can enjoy it for years.



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



Handle the clock radio gently and carefully. Dropping it can damage circuit boards and cases and can cause the clock radio to work improperly.



Use and store the clock radio only in normal temperature environments. Temperature extremes can shorten the life of electronic devices and distort or melt plastic parts.



Keep the clock radio away from dust and dirt, which can cause premature wear of parts.



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

Modifying or tampering with the clock radio's internal components can cause a malfunction and might invalidate your clock radio's warranty and void your FCC authorization to use it. If your clock radio is not performing as it should, take it to your local Radio Shack store for assistance.

---

---

## FCC INFORMATION

Your radio might cause TV or radio interference even when it is operating properly. To determine whether your radio is causing the interference, turn off your radio. If the interference goes away, your radio is causing the interference. Try to eliminate the interference by:

- Moving your radio away from the TV or other radio
- Contacting your local Radio Shack store for help

If you cannot eliminate the interference, the FCC requires that you stop using the radio.

# SPECIFICATIONS

---

---

## Bands

AM.....530-1710 kHz  
FM.....88-108 MHz

## Intermediate Frequency

AM.....455 kHz  
FM.....10.7 MHz

Power Output.....320 mW (maximum)

Speaker .....3 Inch (5.7 cm) Ferrite, Dynamic-Type, 8 ohms

Power Requirements .....12 V AC, 60 Hz, 6 Watts, DC 9 V

Dimensions (HWD)..... $2\frac{1}{4} \times 10 \times 5\frac{1}{2}$  Inches  
(57 × 254 × 140 mm)

Weight .....1 lb. 9 oz  
(0.71 kg)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.





## **RADIO SHACK LIMITED WARRANTY**

This product is warranted against defects for 90 days from date of purchase from Radio Shack company-owned stores and authorized Radio Shack franchisees and dealers. Within this period, we will repair it without charge for parts and labor. Simply **bring your Radio Shack sales slip** as proof of purchase date to any Radio Shack store. Warranty does not cover transportation costs. Nor does it cover a product subjected to misuse or accidental damage.

EXCEPT AS PROVIDED HEREIN, RADIO SHACK MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. Some states do not permit limitation or exclusion of implied warranties; therefore, the aforesaid limitation(s) or exclusion(s) may not apply to the purchaser.

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

*We Service What We Sell*

9/94

**RADIO SHACK**  
**A Division of Tandy Corporation**  
**Fort Worth, Texas 76102**