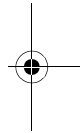


Cat. No. 12-1612 A
OWNER'S MANUAL

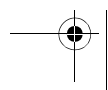
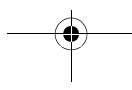
Please read before using this equipment.

Kitchenmate[®]-102

AM/FM Under-Cabinet Clock Radio



OPTIMUS[®]



FEATURES

Your Optimus Kitchenmate-102 AM/FM Under Cabinet Clock Radio is a great asset to any kitchen.

Its features include:

Under-the-Cabinet Design — leaves counter space free for a working area.

Swivel Bracket — lets you position the clock radio so you can see the clock from anywhere in the kitchen.

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

Digital Display — makes it easy to read the clock.

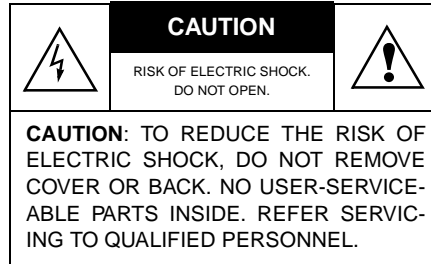
Countdown Timer — helps you track cooking times.

Appliance Outlet and Timer — lets you connect an appliance to the clock radio and program times for it to turn on and off automatically.

Battery Backup with Battery Sentinel® — maintains the clock and preset on/off times for up to 8 hours if the power is interrupted, and indicates when you need to replace the backup battery.

Caution: To reduce the risk of fire, do not place any heating or cooking appliance beneath this product.

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



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.

THE GRAPHICAL SYMBOLS WITH SUPPLEMENTAL MARKINGS ARE LOCATED ON THE BACK OF THE UNIT.

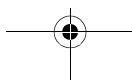
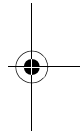
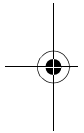
© 1996, 1999 Tandy Corporation.
All Rights Reserved.

Optimus, RadioShack, Kitchenmate, and Battery Sentinel are registered trademarks used by Tandy Corporation.



CONTENTS

Installation	4
Choosing the Mounting Location	4
Mounting the Bracket	4
Attaching the Radio	5
Installing the Backup Battery	6
Operation	7
Setting the Time	7
Playing the Radio	7
Using the Appliance Outlet	7
Setting and Using On/Off Times for the Appliance Outlet	8
Using the Countdown Timer	9
Care and Maintenance	10
FCC Information	11
Specifications	Back Cover





INSTALLATION

CHOOSING THE MOUNTING LOCATION

The first step in mounting the clock radio is choosing a location that allows full movement of the clock radio on the mounting bracket. This is how much clearance you need on each side of the bracket:

Illustration -- Show space needed on each side of bracket

- The area directly below the clock radio is not used for cooking or for appliances that generate heat or steam.
- The work area near the clock radio allows room for additional appliances to be connected to the clock radio's appliance outlet.

For easy operation and visibility, mount the clock radio at or near the front edge of the cabinet. Hold the clock radio in several locations to determine the best place to mount it.

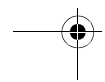
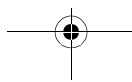
When choosing the clock radio's mounting location, be sure that:

- The cabinet bottom is strong enough to hold the weight of the clock radio.
- The space on each side of the clock radio allows room to reach the clock radio's knobs and the appliance outlet.
- The space below the clock radio's speaker (located on the bottom of the clock radio) is enough to allow the sound to be heard.
- An electrical outlet is within reach of the power cord. The power cord must be extended enough to serve as an antenna for FM reception and taut enough to prevent other appliances from becoming tangled in the cord. (Do not use an extension cord.)

MOUNTING THE BRACKET

1. Empty the bottom shelf of the selected cabinet.
2. Clean the underside of the cabinet thoroughly.
3. Measure the cabinet's overhang (if any). If the overhang hinders your view of the clock radio, insert a wood block (with thickness that equals the length of the overhang) between the cabinet and the clock radio to compensate for the overlap between the top of the clock radio and the bottom of the cabinet.

Illustration





Notes:

- If you use a wood block, use longer screws than those supplied with the clock radio. The screws must be able to penetrate the block and go deep enough into the cabinet to firmly anchor the clock radio.
 - On some hardwood surfaces, you might need to make starter holes to get the supplied screws started into the wood.
4. If you need to make starter holes, use the mounting bracket's base as a guide and mark the locations of the six mounting holes in the mounting bracket. Then make a small starter hole at each marked location.
 5. Insert the supplied screws through the bottom of the bracket, then tighten the screws into the bottom of the cabinet.

Illustration

ATTACHING THE RADIO

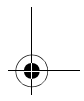
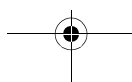
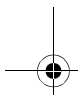
1. Slide the clock radio into the mounting bracket until it slides into place.

Illustration

2. Route the power cord along the wall toward the AC outlet. Be sure to keep the cord away from heating or cooking appliances.
3. Peel off the paper covering on the back of the two supplied cord guides, then firmly press the cord guides against a clean, smooth surface along the cord's path.
4. Clip the power cord into the cord guides. Then plug the cord into a standard AC outlet.

Note: You can conceal any excess cord behind the clock radio by securing it with a cord tie. However, because the cord acts as an antenna, FM reception is best when you fully extend the cord.

Illustration
of winding





To remove the clock radio from the bracket, unplug it first. Then slowly slide out the clock radio.

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

INSTALLING THE BACKUP BATTERY

Illustration

To keep the clock running during an AC power failure, install a 9-volt backup battery (not supplied). We recommend a RadioShack alkaline battery.

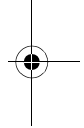
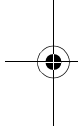
Caution: Use only a fresh battery of the required size and type.

If the AC power fails, the clock display disappears, but the clock keeps operating. If the countdown timer is running, a beep sounds to warn you that the countdown time has been interrupted, and the **APPLIANCE OFF/ON** times that control the appliance outlet are saved for at least 8 hours.

3. Replace the cover.

Notes:

- As a safety feature, the appliance outlet is not activated after a power failure. After power is restored, press **APPLIANCE ON** to use the appliance outlet at any time, or press **APPLIANCE AUTO** to use the automatic timer with the appliance outlet.
- If the display flashes after an AC power failure, replace the battery and reset the clock.
- Replace the battery when the BATTERY SENTINEL indicator on the right side of the display lights.



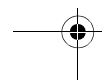
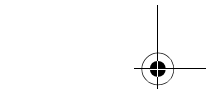
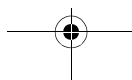
Follow these steps to install a backup battery.

Note: Before you install the backup battery, plug in the power cord to prevent unnecessary drain on the battery.

1. Slide the battery compartment cover in the direction of the arrow, then lift off the cover to remove it.

Illustration

Illustration





OPERATION

SETTING THE TIME

1. Press and hold **CLOCK SET**, then press **FORWARD FAST/SLOW** or **REVERSE FAST/SLOW** to set the correct time.

Illustration

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

Illustration

2. Release **CLOCK SET** when the desired time appears on the display.

PLAYING THE RADIO

Illustration

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

2. Set **RADIO ON/OFF** to **ON**.

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

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

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

6. To turn off the clock radio, set **RADIO ON/OFF** to **OFF**.

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

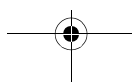
USING THE APPLIANCE OUTLET

To power another appliance, plug its power cord into the clock radio's appliance outlet.

Illustration

Cautions:

- The appliance outlet is rated at 1000 watts maximum for appliances. Do not use appliances that have higher ratings.





- The outlet is designed so a polarized plug (one blade larger than the other) can fit into the outlet only one way. Forcing the plug the wrong way could damage the plug or the clock radio.
- Do not use an extension cord or multiple plug adapter with the appliance outlet.

To keep the power on all the time, press **APPLIANCE ON**. To turn off the power, press **APPLIANCE OFF**.

Illustration

Setting and Using On/Off Times for the Appliance Outlet

With an appliance connected to the appliance outlet, you can set times for the appliance to turn on and off.

Note: Be sure to set the correct AM or PM time.

1. Press and hold **AUTO TIMER SET ON**, then press **FORWARD FAST/SLOW** or **REVERSE FAST/SLOW** to set the time when you want the appliance to turn on.

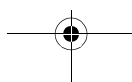
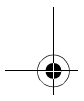
Illustration

2. When the desired time appears on the display, release **AUTO TIMER SET ON**.
3. To set the time when you want the appliance to turn off, press and hold **AUTO TIMER SET OFF**, then press **FORWARD FAST/SLOW** or **REVERSE FAST/SLOW**.
4. When the desired time appears on the display, release **AUTO TIMER SET OFF**.

After you set the desired on/off times, follow these steps to use the automatic timer.

1. Press **APPLIANCE OFF** to be sure the "always on" setting is turned off. Then press **APPLIANCE AUTO**.

Illustration



The appliance outlet is now automatically programmed to turn on and off at the preset times and the AUTO indicator lights.

Illustration
showing AUTO
indicator

2. If the appliance has an on/off switch, be sure to set it to on.
3. When the preset end time is reached, power to the appliance automatically turns off. To reset the timer to start at the same time the next day, simply press **APPLIANCE AUTO**.

Notes:

- To confirm the preset times, press **AUTO TIMER SET ON** or **AUTO TIMER SET OFF**. Each time appears on the display.
- To turn off the automatic timer prior to the preset start time or during timed operation, press **APPLIANCE OFF**.
- You can still manually control the appliance outlet, even if **APPLIANCE AUTO** is pressed. If necessary, plug in another appliance, then press **APPLIANCE ON**. The appliance turns on immediately. When you finish using the appliance, unplug it and plug back in the appliance you want to use with the timer. To turn on the automatic timer, press **APPLIANCE OFF** then press **APPLIANCE AUTO**. You do not need to reset the on/off times.

USING THE COUNTDOWN TIMER

The countdown timer helps you time your cooking. You can set the timer for 1 to 59 minutes. At the end of the set time, the buzzer sounds.

Press and hold **TIMER ON**. The display starts counting down from 59 minutes. Release **TIMER ON** when the desired time appears.

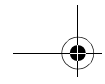
Illustration

Notes:

- While holding down **TIMER ON**, press **FORWARD FAST/SLOW** or **REVERSE FAST/SLOW** to set the time more quickly.
- To check the remaining time, press **TIMER ON**.
- To stop the countdown timer before the buzzer sounds, press **TIMER OFF**.

Important: The countdown timer setting should not overlap the preset **APPLIANCE AUTO** start time. When the **APPLIANCE AUTO** start time is reached, the countdown time resets to 59 minutes.

To stop the buzzer, press **TIMER OFF**.



CARE AND MAINTENANCE.

Your Optimus Kitchenmate-102 AM/FM Under Cabinet 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.



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



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



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 only fresh batteries of the required size and recommended type. Batteries can leak chemicals that damage your clock radio's electronic 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 its warranty and void your FCC authorization to operate it. If your clock radio is not performing as it should, take it to your local RadioShack store for assistance.

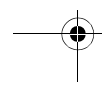
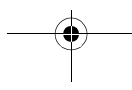
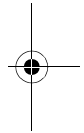
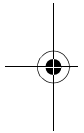


FCC INFORMATION

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

- Moving your clock radio away from the TV or other radio
- Contacting your local RadioShack store for help

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



SPECIFICATIONS

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

Power Source..... AC 120 V, 60 Hz, 6 W

Power Output 280 mW at 10% THD

Speaker..... 3 Inch (7.62 cm) Ferrite, Dynamic-Type, 8 ohms

Dimensions (HWD) $2\frac{3}{4} \times 11\frac{1}{4} \times 6\frac{1}{2}$ Inches
 (70 × 285 × 165 mm)

Weight..... 2 lb 5 oz
 (1.05 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, 200 Taylor Street, 6th Floor, Fort Worth, TX 76102

We Service What We Sell

04/99

RadioShack
A Division of Tandy Corporation
Fort Worth, Texas 76102