

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

**CAUTION:** 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.

**WARNING**  
Dispose of batteries promptly and properly. Do not burn or bury them.

**CAUTION**

- Use only a fresh battery of the required size and recommended type.
- If you do not plan to use the clock with batteries for a week or more, remove the batteries. Batteries can leak chemicals that destroy electronic parts.

**NOTE**

**Installing the Backup Battery**  
To prevent unnecessary drain on the battery, make sure you connect the alarm to an AC power outlet before you install the battery.

**Setting the Time Zone**  
Parts of Arizona and Indiana do not participate in Daylight Savings Time.

**Setting the Time**

- The defaulted clock setting is 12:00 a.m.
- PM lights if it is a p.m. hour.

Thank you for purchasing a RadioShack 1.8 Inch Big Digit Atomic Clock. Your clock tells Atomic time, so it sets itself automatically when it receives the WWVB signal transmitted by NIST in Fort Collins, Colorado. It has a bold, easy to read display with a Hi-Lo dimmer that allows you to adjust the brightness for greater readability. With four time zones selection, you can set the clock to the correct time by just sliding a switch!

**Four Time Zones** — slide the time zone switch to select Pacific Standard Times (PST), Mountain Standard Time (MST), Central Standard Time (CST), or Eastern Standard Time (EST).



**Daily Dual Alarm** — two separate alarms with different sounds.

**Daylight Saving Time (DST)** — adjusts to Daylight Saving Time automatically when it receives the WWVB signal.

**Backup Battery** — powers the clock during a power failure

## CONNECTING POWER

To power the alarm clock, plug the clock's power cord and transformer into any standard AC outlet. :00 appears and flashes. The clock searches for the WWVB signal.

When LO BAT lights, the backup battery is low. Replace the battery.

## INSTALLING THE BACKUP BATTERY

You can install a backup battery so you do not lose your clock settings if there is a power failure. The display turns off during a power failure, but, for 24 hours, the clock continues to run and the alarms sound at the preset alarm times.

Your clock requires one 9V battery (not supplied) for backup power. For the best performance and longest life, we recommend RadioShack alkaline batteries.

- Slide the battery compartment cover in the direction of the arrow to remove it.
- Place the battery in the compartment as indicated by the polarity symbols (+ and -) marked inside.
- Replace the cover.

## SETTING THE TIME ZONE

Slide **Time Zone**, located on the back of the clock to select the desired time zone.

If the clock does not receive the signal in the first 20 minutes, set it manually. The clock adjusts itself automatically to the exact time within 48 hours.

## DAYLIGHT SAVINGS TIME

Set **DST**, located on the back of the clock, to **ON** unless the clock is used in an area without Daylight Savings Time (DST). Set **DST** to **OFF** if the clock is used in an area without DST.

## SETTING THE TIME

- To set the hour, press and hold **TIME SET** and then press (or press and hold) **Hour/WAVE** until the desired hour appears.
- To set the minute, press and hold **TIME SET** and repeatedly press (or press and

### ! IMPORTANT !

If an icon appears at the end of a paragraph, go to the box on that page with the corresponding icon for pertinent information.

⚠ — Warning    ! — Important    📄 — Note    ⚡ — Caution    💡 — Hint

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hold) **MIN** until the desired minute appears.

3. Release **TIME SET**, the set time appears.

### SIGNAL STRENGTH DETECTION

**\_:00** appears when the clock receives a signal. The digit left of the colon indicates the level of signal strength.

Signal Indicator	Signal Strength
Blank	No signal
Single bar	Weak
Double bar	Medium
Triple bar	Strong

Place your clock in a location with strong signal strength. It is recommended to locate the clock near a window facing the direction of Fort Collins, Colorado. If the clock has poor signal reception or unstable signal marks, move the clock to another location.

While the clock is receiving, press **TIME SET** once to go to the Time display mode. The clock continues receiving the atomic time. Press **HOUR/WAVE** to enter Signal Strength display.

While the clock is receiving, if you set the time or an alarm, the clock stops receiving immediately.

When receiving cannot be completed at 7 minutes after power up, the clock returns to the time display with clock **12:07** am appears and remote control (RC) receiving continues.

### RECEIVING TOWER INDICATOR

Tower Indicator	Indicates
Blinking	The clock is receiving
Static On	Successful reception
Off	No reception/failed reception

### FIRST RECEPTION AFTER CONNECTING POWER

The clock starts to search for the WWVB signal and searches for 20 minutes after you connect it to power.

In optimal conditions, the correct time will be displayed within 10 minutes

The atomic reception tower icon will keep blinking when the clock is receiving the signal.

The static atomic reception tower indicator indicates successful reception.

The signal is at its maximum strength from 12:00 am to 3:00 am and with minimal radio

interference. In most cases, the clock will not receive and update its time until this time.

### Within the first 3 hours

If your clock fails to receive the signal in the 1st reception after power-up, it will repeat a 20-minute reception sequence every 60 minutes. This operation stops when the time signal is received

### After the first 3 hours

If no signal can be received within the first three hours, the clock repeats the reception every three hours until it receives a signal.

### Automatic time update

The clock automatically updates everyday at 01:00 (1:00 a.m.) and 03:00 (3:00 a.m.) and 05:00 (5:00 a.m.). If the automatic time update fails, it will repeat the update every 3 hours until it is successful in receiving the signal.


### Manual time update

Manual reception can be started anytime by pressing **HOUR / WAVE**.

The time display changes to Signal Strength Detection display **\_:00\_**. The clock will start to search for the WWVB signal for 20 minutes.

## SETTING THE ALARMS

### ALARM 1 OR 2

1. Slide **ALM** to **ALM 1** or **ALM 2**. The ALM 1 LED lights or the ALM 2 LED lights. 
2. To set the alarm hour, Press and hold **ALARM/SET** and press (or press and hold) **HOUR/WAVE** until the desired hour appears on the display.
3. To set alarm minute, press and hold **ALARM/SET** and press (or press and hold) **MIN** until the desired minute appears on the display.
4. Release **ALARM/SET**, the clock returns to the set time display.

### USING THE ALARM

To activate Alarm 1 only, slide **ALM** to **ALM 1**, then slide **ALARM/ON/OFF** located on the back of the clock to **ON**, or ...

to activate Alarm 2 only, slide **ALM** to **ALM 2**, then slide **ALARM ON/OFF** located on the back of the clock to **ON**, or ...

to activate both Alarm 1 and Alarm 2, slide **ALM** to **ALM 1 + ALM 2**, then slide **ALARM ON/OFF** located on the back of the clock to **ON**.

#### NOTE

- When the switch is at **ALM 1 + ALM 2** position, alarm setting is not available
- Press **ALARM/SET** at any time to view the set alarm time according to the alarm switch position **ALM 1** or **ALM 2**.

## WHEN THE ALARM SOUNDS

The alarm sounds with the corresponding alarm's LED indicator flashing.

Alarm 1 and Alarm 2 have different beeping sounds. The duration for each alarm is 2 minutes.

To turn off the alarm, slide **ALARM ON/OFF** to **OFF**. Slide it to **ON** to reset the alarm to sound at the same time the next day. Or press **SNOOZE/ALARM STOP** located on the top of the clock.

When you set both alarms to sound at different times, press and hold **SNOOZE/ALARM STOP** for 2 seconds to turn off the corresponding alarm that is beeping. The alarm will stop and sound again at the same time the next day.

When both alarms are beeping, press and hold **SNOOZE/ALARM STOP** for 2 seconds to turn off both alarms.

## USING SNOOZE

To temporarily turn off the alarm for about 9 minutes, tap on the **SNOOZE/ALARM STOP** button once on top of the clock while the alarm sounds. The alarm stops and sounds in about 9 minutes. You can repeat the snooze alarm by pressing **SNOOZE/ALARM STOP** when the alarm sounds next time.

## LOW BATTERY LEVEL DETECTION

If a battery is not installed, the LOW BAT. indicator appears solid.

The clock detects the battery level —

- at 12:00 pm daily
- when AC power recovers from failure,
- when the clock is connected to power

When the clock detects the battery level, a load of around 5mA is drawn directly from the battery. If the clock detects a low battery voltage, the LOW BAT. indicator appears solid.

## SPECIFICATIONS

Atomic frequency ..... 60kHz WWVB  
Time accuracy ..... 1/1000 sec. / 3,000 years  
Time accuracy .....  $\pm 1$  sec./ day at 25 C  
Power Requirement ..... AC 120V, 60Hz  
Slide switch reliability ..... 3,000 cycles  
at 180-200g force  
Contact button ..... 1,000 times vertical press  
Backup Battery ..... 1  $\times$  9-Voltage  
Backup Battery Life ..... 24 hours  
External Transformer ..... AC 120V input, 4.5V  $\times$  2

Output, 6-foot cable ..... UL approved  
Alarm Sound Level ..... 70dB (10cm from buzzer)  
Snooze alarm duration ..... 9 minutes  
Alarm Duration ..... 2 minutes  
Operating Temperature ..... 0C–40° C (32–104° F)  
Storage Temperature ..... -10–60° C (14–140° F)

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

#### Limited One-Year Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for one (1) year 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.

RadioShack Customer Relations, 200 Taylor Street, 6th Floor, Fort Worth, TX 76102

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