

INSTRUCTIONS

Radio Controlled Talking Clock

Item: 756994

This unit works on receiving the time radio signal. The time signal is generated by the US Atomic Clock, which is located in Colorado. (The Atomic Clock is operated by the US Department of Commerce's National Institute of Standards and Technology.) For good reception, avoid placing the clock near television sets, metal surfaces, computers or electric devices. This equipment will interfere the reception of radio signal.

Features:

- ~ Full range human voice time and date announcement, with smooth and natural sound quality.
- ~ Radio controlled with automatic summer/ winter time adjustment
- ~ Displays time with running second, month, date, day of week and alarm time.
- ~ Hourly time announcement between 8am to 10pm inclusively. User can elect to turn off hourly announcement if not desired.
- ~ Extra long 5 minute alarm sound, with beep tone and current time announcement.
- ~ 5-minute snooze function
- ~ High and low announcement volume selection

Battery installation and replacement

The clock uses 2 AA (or equivalent) batteries.

To install/replace batteries, please open the battery compartment located at the bottom of the unit. Insert the batteries by following the polarity marked and close the battery cover. The clock is now ready for use.

A dim display or poor sound quality may indicate that the battery power is low. Please replace both batteries with new ones.

To reset the unit, press the RESET BUTTON (located inside the battery compartment) once.

Receiving the Time Radio Signal

The unit will search for time radio signal automatically when the power is turned on. The Radio Signal Mark, on the right of the display, will start pulsing to show the signal is being received. If the time signal is received, synchronization will take 3-15 minutes and the unit will show the received time. The radio signal mark will show three solid curves (pulsing stopped) to indicate reception is successful.

PLEASE NOTE:

During daytime, there may be too much external interference that causes reception to fail. When such circumstances exist, please set the time manually.

The unit has an automatic process to start reception between the hours of 2 and 6 AM. At midnight, interference drops to a minimum level creating the perfect environment for time radio signal reception. If the time of the clock is not set manually when reception failed during the daytime, then the automatic process will fail. Failed reception at daytime at the first time initiation, then the automatic process may start in the daytime everyday (not during midnight) and eventually keep the unit not receiving the signal.

Select the Time Zone:

It is essential to select the appropriate time zone before reception starts and after radio signal reception is completed. Otherwise, the unit may display the incorrect time. A digital map on the right side of the display represents the four U.S. time zones.

To set the time zone, press and hold the TIME/CAL SET BUTTON until the year

digits flash and “SETTING YEAR” is announced. The unit is now in setting mode.

Then, press SET BUTTON twice to start time zone setting and “SETTING TIME ZONE” is announced.

The digital map will flash and select one of the 4 time zones (Pacific, Mountain, Central or Eastern) by pushing the **UP** or **DOWN** button.

Please refer to the Appendix for the time zone setting of various areas in the US.

After setting the appropriate time zone, press and hold the **TIME/CAL SET** button to end the setting mode (“SETTING COMPLETE” is announced).

IMPORTANT INFORMATION:

- A. If the **UP** or **DOWN** button is pressed during radio signal reception, the reception to set hour/minute/year/month/date will be terminated immediately.
- B. To re-start the signal reception manually, press the TEST button and a beep will be heard. The radio signal mark will start pulsing to indicate reception is started.

Set the Time and Calendar Manually

Since the unit works on receiving the time radio signals, in some locations the signal may be weak or cannot be properly received. During these circumstances, the radio signal mark will appear to indicate that reception has failed. Rotate the unit or place it in another location to achieve better reception and re-start reception again. If finally radio signal cannot be received, the time should be set manually.

To Set Calendar

Press and hold the **SET** button until the year digits flash and “SETTING YEAR” is announced. Press the **UP** or **DOWN** button to set year.

Press **SET** button once. The month and date digits flash and “SETTING DATE” is announced. Press the **UP** or **DOWN** button to set. Each push of the **UP** or **DOWN** button will advance or turn back the setting by one day until it runs through the entire month.

To Set Time

Press SET button once. The digital map flashes and ‘SETTING TIME ZONE’ is announced. Press the **UP** or **DOWN** button to set to the right time zone.

Press SET button once. The hour and minute digits flash and “SETTING TIME” is announced. Press the UP or DOWN button to set. Each push of the UP or DOWN button will advance one minute and the hour will be changed when 00 is run through.

Press and hold the **SET** button to end. “SETTING COMPLETE” is announced.

For fast advance during setting, press and hold the **UP/DOWN** button and the corresponding digits will advance quickly.

NOTE: when setting year/date/time zone/time, the corresponding digits will be announced.

E.g.: Setting year to 2001: “YEAR TWO THOUSAND AND ONE” is announced.

Setting to January 10th (Saturday): “SATURDAY JANUARY TENTH” is announced.

Setting time zone to pacific: “PACIFIC STANDAR TIME” or “PACIFIC DAYLIGHT SAVING TIME” is announced.

Setting time to PM 2:30: “HALF PAST TWO PM” is announced.

Daylight Savings Time

The unit is equipped with automatic summer/winter time adjustment. When time is changed in the summer for Day-Light Savings Time, the “D.S.T.” mark will be shown and time is automatically adjusted.

Set the Alarm Time

To start alarm time setting, press any one of the **UP OR DOWN** button once. The alarm time digits flash and “ALARM SET” is announced. Another push of the **UP or DOWN** button will set the alarm minute, while the hour will be changed when “00” minute is run through. Press and hold the UP or DOWN button and the digit will fast advance. To end the alarm-setting mode, just leave the unit (buttons) untouched for about 5 seconds.

Alarm On/Off and Hourly Announcement

To set the alarm on, place the ALARM SWITCH (at right side of the unit) to “ON” position. The preset alarm time (e.g. AM 7:15) will be announced (e.g. as “ALARM WILL BE ON AT A QUARTER PAST SEVEN AM” and the alarm mark is shown in the display (above the alarm time). When the current time reaches the alarm time, the unit will announce “BEEP BEEP, THE TIME IS NOW A QUARTER PAST SEVEN AM” continuously for 5 minutes. To activate the snooze function, press the SNOOZE BUTTON (at top of the unit) and the alarm will be stopped and resume after 5 minutes. To stop the alarm, place the ALARM SWITCH to “OFF” or “HOURLY ANNOUNCEMENT” position.

When the ALARM SWITCH is placed to “HOURLY ANNOUNCEMENT” position, the unit will announce the time at every hour during 8 AM to 10 PM. Outside this range hourly announcement is automatically shut off.

To deactivate both alarm function and the hourly announcement function, place the ALARM SWITCH to “OFF” position.

Select the announcement volume

To select the high volume level, set the VOLUME SWITCH to “HI” position. To select the low volume level, set the VOLUME SWITCH to “LOW” position.

Time and date announcement

At any time (except in time setting mode and alarm is sounding), press the SNOOZE button once and current time is announced; press the SNOOZE button twice quickly and the date is announced.

ATTENTION:

There will be certain places (especially near the western coast) that the radio signal is too weak to be received. Also, during daytime, there may be too much interference that makes reception fail. Under both circumstances, please set the time manually.

The unit has an automatic process to start reception, when the clock is showing time between 2-6am. At midnight, interference drops to a minimum level and makes it a perfect environment for time radio signal reception.

APPENDIX: TIME ZONE TABLE

A. Pacific (Time Zone: GMT-8)

<u>Major Cities</u>	<u>State</u>	<u>Major Cities</u>	<u>State</u>
<u>Las Vegas</u>	<u>Nevada</u>	<u>Reno</u>	<u>Nevada</u>
<u>Lewiston</u>	<u>Idaho</u>	<u>San Diego</u>	<u>California</u>
<u>Los Angeles</u>	<u>California</u>	<u>San Francisco</u>	<u>California</u>
<u>Portland</u>	<u>Oregon</u>	<u>Seattle</u>	<u>Washington</u>

B. Mountains (Time Zone: (GMT-7))

Major Cities	State	Major Cities	State
<u>Albuquerque</u>	<u>New Mexico</u>	<u>Phoenix</u>	<u>Arizona</u>
<u>Billings</u>	<u>Idaho</u>	<u>Rapid City</u>	<u>S. Dakota</u>
<u>Boise</u>	<u>Idaho</u>	<u>Salt Lake City</u>	<u>Utah</u>
<u>Casper</u>	<u>Wyoming</u>	<u>Santa Fe</u>	<u>New Mexico</u>
<u>Denver</u>	<u>Colorado</u>	<u>Scottsbluff</u>	<u>Nebraska</u>
<u>El Paso</u>	<u>Texas</u>	<u>St. George</u>	<u>Utah</u>
<u>Helena</u>	<u>Idaho</u>	<u>Tucson</u>	<u>Arizona</u>
<u>Idaho Falls</u>	<u>Idaho</u>	<u>Yuma</u>	<u>Arizona</u>
<u>Las Cruces</u>	<u>New Mexico</u>		

B. Central (Time Zone: GMT-6)

Major Cities	State	Major Cities	State
<u>Amarillo</u>	<u>Texas</u>	<u>Memphis</u>	<u>Tennessee</u>
<u>Baton Rouge</u>	<u>Louisiana</u>	<u>Minneapolis</u>	<u>Minnesota</u>
<u>Birmingham</u>	<u>Alabama</u>	<u>Mobile</u>	<u>Alabama</u>
<u>Bismarck</u>	<u>N. Dakota</u>	<u>Nashville</u>	<u>Tennessee</u>
<u>Brownsville</u>	<u>Texas</u>	<u>New Orleans</u>	<u>Louisiana</u>
<u>Chicago</u>	<u>Illinois</u>	<u>Oklahoma City</u>	<u>Oklahoma</u>
<u>Dallas</u>	<u>Texas</u>	<u>Omaha</u>	<u>Nebraska</u>
<u>Des Moines</u>	<u>Iowa</u>	<u>Pensacola</u>	<u>Florida</u>
<u>Dodge City</u>	<u>Kansas</u>	<u>Pierre</u>	<u>S. Dakota</u>
<u>Houston</u>	<u>Texas</u>	<u>San Antonio</u>	<u>Texas</u>
<u>International Falls</u>	<u>Minnesota</u>	<u>St. Louis</u>	<u>Missouri</u>
<u>Jackson</u>	<u>Mississippi</u>	<u>St. Paul</u>	<u>Minnesota</u>
<u>Kansas City</u>	<u>Missouri</u>	<u>Topeka</u>	<u>Kansas</u>
<u>Little Rock</u>	<u>Arkansas</u>		

C. Eastern (Time Zone: GMT-5)

<u>Major Cities</u>	<u>State</u>	<u>Major Cities</u>	<u>State</u>
<u>Atlanta</u>	<u>Georgia</u>	<u>Manchester</u>	<u>New Hampshire</u>
<u>Atlantic City</u>	<u>Delaware</u>	<u>Miami</u>	<u>Florida</u>
<u>Baltimore</u>	<u>Maryland</u>	<u>Montpelier</u>	<u>Vermont</u>
<u>Boston</u>	<u>Massachusetts</u>	<u>New York</u>	<u>New York</u>
<u>Buffalo</u>	<u>New York</u>	<u>Norfolk</u>	<u>Virginia</u>
<u>Charlotte</u>	<u>North Carolina</u>	<u>Philadelphia</u>	<u>Pennsylvania</u>
<u>Cincinnati</u>	<u>Ohio</u>	<u>Pittsburgh</u>	<u>Pennsylvania</u>
<u>Cleveland</u>	<u>Ohio</u>	<u>Portland</u>	<u>Maine</u>
<u>Columbus</u>	<u>Ohio</u>	<u>Providence</u>	<u>Rhode Island</u>
<u>Detroit</u>	<u>Michigan</u>	<u>Raleigh</u>	<u>North Carolina</u>
<u>Hartford</u>	<u>Connecticut</u>	<u>Richmond</u>	<u>Virginia</u>
<u>Indianapolis</u>	<u>Indiana</u>	<u>Tallahassee</u>	<u>Florida</u>
<u>Jacksonville</u>	<u>Florida</u>	<u>Tampa</u>	<u>Florida</u>
<u>Johnson City</u>	<u>Tennessee</u>	<u>Washington</u>	<u>Maryland</u>
<u>Louisville</u>	<u>Kentucky</u>		

Notes: Please notice that some states have crossed over the boundary of 2 time zones.

