CASIO®



User's Guide Guida dell'utilizzatore











CASIO

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GENERAL GUIDE

②AlarmTime Set buttons

⑤ Alarm Mode selector SNZ: Snooze alarm on ON: Alarm on OFF: Alarm off

①°C/°F button

Sub-unit

(5)RESET button

16TEST button

③SET button Use this button when setting the current time.

Press this button to illuminate the display for about three seconds.
 Pressing this button while the alarm is sounding stops the alarm.

Use these buttons to change the alarm time or current time setting

(6) RESET button Press this button to reset the clock after replacing its batteries

Image: Image:

③DST/TIME ZONE button
Press this button to select the appropriate time zone.
Press this button to toggle between dst on and dst off.

 $\textcircled{O}{\mathbf{MAX/MIN TEMP. button}}$ Press this button to display the high and low temperature values

WAVE buttonPress this button to receive the time calibration signal and adjust timekeeping.

@CLEAR button Press this button to clear the currently displayed high/low temperature or humidity

Press this button to toggle the temperature units between Celsius and Fahrenheit.

(\$SELECTION button Press this button to toggle the display between the current temperature and humidity.

 $\textcircled{O}^{\circ}C'$ F button Press this button to toggle the temperature units between Celsius and Fahrenheit.

ess this button to reset the sub-unit after replacing its batteries

TIME CALIBRATION SIGNAL RECEPTION PRECAUTIONS

(ESELECT button Press this button to toggle the display between main unit (INDOOR) and sub-unit (OUTDOOR) data.

(I)RE-SYNC button Press this button to re-synchronize the timing of the main unit and the sub-unit.

Main unit



This button is for testing the unit. Normally, you should not press it. If you do, be sure to press the RESET button ((§))next.

With the Radio-Controlled Clock, you have the most accurate timepiece within the continent. It can receive the time signal transmitted by the National Institute of Standards and Technology (NIST), which is regulated by 3 atomic clocks and deviates less than 1 second within 3,000 years. The NIST broadcasts the time signal (WWVB, 60kHz) continuously from Fort Collins, Colorado. This signal can be

The hole blockbasts the time is signal (WWW, box12) contained by minor to continue contained as a signal at the received anywhere in the continental USA that long wave (AM) radio receiption is possible with a portable radio. It is expected that the signal can reach a distance of 2,000 miles from the transmitter. Therefore, your clock will receive the signal within the broadcast range anywhere an AM signal can be received; generally the signal cannot be picked up in massive metal and concrete structures unless near a window. In addition, some environmental effects (see below) may affect the transmitting distance.



Signal reception is normally better at night than during the day. Radio interference can make signal reception impossible. Strong electrostatic charge can result in the wrong time being set. If you are in an area where proper time calibration signal reception is impossible, the clock keeps time with the precision noted in "SPECIFICATIONS".

For more information, please study the WWVB WEB page of NIST at



MAIN UNIT/SUB UNIT COMMUNICATION PRECAUTIONS

· Certain environmental cinditions can greally reduce the communication range Locating the sub-unit near a device that transmits radio signals using the same frequency as this product can cause communication failure of this product.
 Avoid using multiple product in the same area. Doing so can mixing of their signals.

Setting the Time and Date Manually When using the clock that is outside of the range of the transmitters in Fort Collins or in an area where signal reception is impossible for some reason, you need to manually adjust the time as required. 1. Press the **SET button** (③) to cycle through the setting screens as shown below.



2. While the screen you want is on the display, use the Alarm Time Set buttons (2) to change the digits that are flashing Press - to decrease the flashing digits.



Holding down + or - changes the flashing digits at high speed. You can set the year in the range of 2000 to 2039. The day of the week is set automatically in accordance with the date setting.

the date setting. Pressing + or - while the Time Setting Screen is on the display causes the seconds count to be reset to 00. Each press of + or - while the 12-hour/24-hour Timekeeping Screen is on the display toggles between 12-hour and 24-hour timekeeping

3. After making the settings you want, use the SET button (③) to display the Normal Timekeeping Screen The clock automatically returns to the Normal Timekeeping Screen if you leave a setting screen on the display for about three minutes without performing any operation.

USING THE ALARM

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The alarm sounds and the backlight turns on when the alarm time you set is reached. You can also use the Alarm Mode selector (⑤) to select the snooze alarm feature.

Setting the Alarm Time Use the Alarm Time Set buttons (2) to set the alarm time

Pressing the Alarm Time Set buttons (②) causes the alarm time to appear in place of the date on the display Press to change the alarm time setting (-

Press to change the alarm time setting (+)

Holding down + or - changes the digits at high speed.

Turning the Alarm On and Off Use the Alarm Mode selector (⑤) on the side of the clock to turn the alarm on and off, and to select the snooze

Alarm Mode selector	Description
$\left(\begin{matrix} \text{SNZ} \\ \textbf{Z}_z \\ (\textbf{I(\bullet)}) \end{matrix} \right)$	The alarm sounds at the preset time for one minute, and seven more times every five minutes thereafter. Even if you stop the alarm sound by pressing the LIGHT/SNOOZE button (①), the alarm operation is performed again five minutes later.
	The indicator (Z _Z) flashes on the display to indicate that the snooze feature is activated.
ALARM ON ((((●))))	The alarm sounds at the preset time for one minute.
ALM OFF	The alarm does not sound.

The alarm time appears in place of the date on the display whenever the Alarm Mode selector (⑤) is set to ON or SNOOZE. The backlight also turns on for the first four seconds that the alarm sounds The alarm sound changes over four levels as it so

Stopping the Alarm

When alarm is sounding, press the LIGHT/SNOOZE button (①) to stop it. When the snooze feature is turned on, the alarm will sound again in about five minutes. To turn off the snooze feature, slide the Alarm Mode selector (⑤) to OEF

USING THE LIGHT

Pressing the LIGHT button ((1)) turns on the light and illuminates the display for easy reading in the dark

Important! Overuse of the light can shorten battery life.

BATTERY REPLACEMENT

To replace main unit batteries

- Replace batteries whenever the follo When RF communication cannot be successful When RCC cannot receive
- When backlight cannot be lid.
 When LCD dimmed.
 When sound low. . Open the battery compartment cover as shown in the illustration.
- Remove all of the old batteries.
 Load full set of new batteries. Make sure that their positive (+) and negative (-) ends face in the correct
- directions. If you load batteries incorrectly, they can burst and damage the clock Replace the battery compartment cover.
- Replace the battery compartment cover.
 Press the RESET button (6). Be sure to press the RESET button (6) after replacing batteries

To replace sub-unit batteries

- Replace batteries whenever the following : When RF communication cannot be successful.
- When LCD dimmed.
- I. Open the stand so you can see the back cover. 2. Remove the back cover screw, and then open the back cover.
- 3. Remove both old batteries.
- 4. Load full set of new batteries. Make sure that their positive (+) and negative (-) ends face in the correct directions. If you load batteries incorrectly, they can burst and damage the product.
- Replace the back cover and secure it in place with the screw.
 Press the RESET button (⁵/₁). Be sure to press the RESET button (⁵/₁) after replacing batteries.
 Press the RE-SYNC button (¹/₁).

- Battery precautions
- · Keep batteries out of the reach of small children. If a battery is accidentally swallowed, contact your physician
- Introducery
 Be sure to load the batteries with their positive (+) and negative (-) ends facing correctly.
 Never charge the batteries that come with the clock.
 Should batteries ever leak while in the clock, wipe out the fluid with a cloth, taking care not to let any get into
- vour skin
- Replace the batteries at least once a year, even if the current batteries are working properly · The batteries that come with the clock lose some of their power during transport and storage

THERMOMETER FUNCTIONS

Both the main unit and the sub-unit are equipped with their own temperature sensors. Temperature data measured by the sub-unit is sent by wireless transfer to the main unit. You can toggle the main unit display between the main unit temperature reading and the sub-unit temperature reading. This make it possible to view both the indoor and outdoor temperature on the main unit display.

Temperature Measurements

(12)

erature and low to

HYGROMETER FUNCTIONS

Both the main unit and the sub-unit are equipped with their own humidity sensors. Humidity data measured by the sub-unit is sent by wireless transfer to the main unit. You can toggle the main unit display between the main unit humidity reading and the sub-unit humidity reading. This make it possible to view both the indoor and outdoor humidity on the main unit display.

Humidity Measurements Both the main unit and the sub-unit take humidity measurements every 16 seconds. The humidity display shows LO for humidity below 10% and "HI" for humidity above 90%.

Switching between Main Unit and Sub-unit Humidity Data

switching between Main Unit and Sub-unit Humidity Data Press the SELECT button (①) to toggle the display between the main unit (INDOOR) humidity and the sub-unit (OUTDOOR) humidity . Main unit humidity : INDOOR indicator displayed Sub-unit humidity : OUTDOOR indicator displayed The display does not change to the sub-unit (OUTDOOR) humidity if no data has been received from the sub-unit vet

yet. Holding down the **SELECT button** (⁽¹⁾) for about two seconds turns on auto display switching (α displayed), which causes the humidity display to alternate between the main unit humidity and sub-unit humidity at five-second intervals. To turn off auto display switching (α not displayed), hold down the **SELECT button** (⁽¹⁾) for about two



۳**.** ۲۳ - ۳۹ - ۳۳ ۳ ا Ĩ¥.s°r SELECT button (🔞)

High Humidity and Low Humidity Memory The following data is stored in memory automatically Main unit high humidity and low humidity Sub-unit high humidity and low humidity



To clear the high humidity and low humidity data memory, press the **CLEAR button** ((9)). New data starts to be stored after memory is cleared.



Data Transfer from the Sub-unit

USING THE SUB-UNIT

Data is transferred from the sub-unit to the main unit every three minutes The sub-unit is able to send data to the main unit up to an unobstructed distance of about 30 meters. The data receive status is indicated on the display of the main unit by the icons shown below.



• If a receive operation is not successful for some reason, the display of the main unit shows dashes (-) in place of

the sub-unit temperature and humidity values. • If you experience problems with data transfer, press the **RE-SYNC button** (①) to synchronize the two units. If this does not eliminate the problem, truy changing the positions or orientations of the main unit and sub-unit. • The transferred data includes temperature and humidity data.

$\begin{array}{l} \textbf{Switching between Celsius and Fahrenheit}\\ \textbf{Push the $_iC/_iF button($\overline{T}$)$ to select either Fahrenheit ($_iF$) or Celsius ($_iC$).} \end{array}$

Fahrenheit (;F) Celsius (:C) **75**. (°F **24**5° ¡C / ¡F button (①)

Switching between Current Temperature and Humility Press the SELECTION button ((3) to toggle the display between the current temperature and current humidity Holding down SELECTION button ((3) for about two seconds causes the display to continually toggle between the temperature and humidity at five-second intervals.



Place the sub-unit in a location where it will not be exposed directly to rain or other elements

USING THE WEATHER FORECAST FEATURE

A built in pressure sensor makes it possible to forecast upcoming weather over the next 12 hours based on changes in barometric pressure. Note that these forecast are not absolutely accurate, and are intended for general reference only.

Weather Forecasts

Barometric pressure readings are taken every 15 minutes. Weather forecast are based on the last six readings. Upcoming weather forecasts are displayed using the graphic indicators shown below. Sunny, some cloud Sunn Cloudy



WARRANTY

ENGLISH

A sticker is affixed to the glass of this clock when you purchase it. Be sure to remove the sticker before using the clock. Depending on the clock model, the configuration of your clock may differ somewhat from that shown in the illustration.



OPERATING PRECAUTIONS

Do not use or store this clock in areas exposed to temperature extremes, strong magnetism, strong vibration, or

Heat can shorten battery life and cause malfunction. Keep the clock away from heaters and direct sunlight when using it. Never use the clock in a bathroom or any other area subject to high humidity.

Never try to take the clock apart. Doing so can cause malfunction. To clean the clock, use a soft, dry cloth or a cloth moistened in a solution of water and a mild neutral detergent. Wring out all excess moisture from the cloth. Never use thinner, benzene, alcohol or other similar agents. Keep your manual and all information handy for future reference.

USING THE CLOCK

Any of the following procedures can be used to set current date and time. Auto receive of the time calibration signal Manual receive of the time calibration signal Manual setting without using the time calibration signal

Auto Receive

The clock receives the time calibration signal eight time each day (2:00, 5:00, 8:00, 11:00, 14:00, 17:00, 20:00, 23:00)

A signal receive operation takes from two to ten minutes under good signal conditions. A receive indicator shows the current status of the receive operation.

Antenna Icon

Receive in progress: Icon flashes Receive failed: Icon not displayed Receive successful: Icon displayed

WAVE OK Indicator

Receive in Progress: OK not displayed All receives over the past 24 hours failed: OK not displayed At least one successful receive over the past 24 hours: OK displayed

Unsuccessful Signal Reception The antenna icon disappears from the display when a signal receive operation is unsuccessful. If this happens, try changing the position or orientation of the clock, and press the WAVE button (④) to receive again. The time calibration signal includes both Standard Time and Daylight Saving Time (summer time) data.

Important! Do not perform any button or switch operation while a signal receive operation is in progress.

Manual Receive

Janual Receive Press the **WAVE button** (④) to start a calibration signal receive operation. Use the **WAVE button** (④) to perform a receive operation after replacing the clock's batteries or if the auto receive operation was not performed correctly for some reason. The clock beeps and display illumination flashes for about three seconds when a receive operation trigged by the **WAVE button** (④) is successful.

- Setting the Time Zone and Daylight Saving Time
 Press the DST/TIME ZONE button (
 ⁽¹⁾) to select the appropriate time zone.
 The unit is default with DST activated. If it is used in regions do not observe DST, please follow the
 ⁽¹⁾ the intervention of the appropriate DST. following procedures to deactivate DST
 - Hold down the DST/TIME ZONE button ((13) for about 4 seconds, the unit will give 3 short beeps with "DST" and "On" blinking on the LCD display. Press the + or - button, the display will become "DST" and "Off to indicate DST being deactivated. Press the **DST/TIME ZONE button** (③) again for normal operation.

Both the main unit and the sub-unit take temperature measurements every 16 seconds. The temperature display shows LO for temperatures below - 58;F (-50 ;C) and HI for temperatures above 158 ¡F (70 ¡C).

.. erature readings are displayed up to 32 ;F(0 ;C). and greater than105;C (41 ;F), note that such readings are actually outside the guaranteed temperature range of this clock.

Switching between Celsius and Fahrenheit Push the $_iC / _iF$ button(⁽⁽ⁱ⁾) to select either Fahrenheit ($_iF$) or Celsius ($_iC$).



Switching between Main Unit and Sub-unit Temperature Data

Press the SELECT button (12) to toggle the display between the main unit (INDOOR) temperature and the subunit (OUTDOOR) temperature. Main unit temperature: INDOOR indicator displayed

Sub-unit temperature: OUTDOOR indicator disp

The display does not change to the sub-unit (OUTDOOR) temperature if no data has been received from the subunit yet

unit yet. Holding down the SELECT button (12) for about two seconds turns on auto display switching (12 displayed), which causes the temperature display to alternate between the main unit temperature and sub-unit temperature at five-second intervals. To turn off auto display switching (α not displayed), hold down the **SELECT button** ((\mathfrak{D}) for about two seconds again.



High Temperature and Low Temperature Memory

16.17 17

80.2% 72.1%

I.

83.57 73.87

The following data is stored in memory automatically.Main unit high temperatu To clear the high ter datamemory,presstheCLEARbutton(9).New and low temperatureSub-unit high temperature. data starts to be stored after memory is cleared

> 80.21 12.11 MAX/MIN TEMP button (⑦) CLEAR button (9) • • •₆ • • • Main unit high temperature nd low temperatur b-unit high temperatur and low te

facturer and supplier cannot accept any occar should an inaccurate reading take place.

This product is warranted to be free of defects in manufacturing for 1 year after purchase. Defective clock should be

This product is waranted to be nee of defects in manufacturing for 1 year after parchase. Defective clock should be returned to the place of retail purchase.
 Warning : Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Customer Service Dept Equity Industries Corp 5721 Bayside Road Virginia Beach, VA 23455 U.S.A

- This product is not to be used for medical purposes or for public information

FOR CUSTOMER INQUIRIES

EMAIL : shelley@eic.hrcoxmail.co

: www.skyscaninfo.com : 757-460-2483

This product is not a toy. Keep out of the reach of children.
 No part of this manual may be reproduced without written authorization of the manufacture.

SPECIFICATIONS (Main unit)

Web Tel

LIABILITY DISCLAIMER

Signal Receiver : Long-wave (Frequency : 60.0kHz) National Institute of Standard and Technology (NIST) WWVB; Fort Collins, Accuracy at normal temperature : Within 60 seconds per month when signal reception is not possible. Calendar system : Auto-calendar pre-programmed from the year 2000 to 2039 Alarm : Daily Alarm, Snooze Alarm (7 repeats) Alarm : Daily Alarm, Snooze Alarm (7 repeats) Thermometer Functions : Measuring range : -58₁F to 158₁F (-50₁C to 70₁C) Temperature Sensor Precision : 4|F (2|C) in range of 32₁F to 104₁F (0₁C to 40₁C) Hygrometer Function : Measuring range : 10% to 90%, when temperature is 32₁F to 104₁F (0₁C to 40₁C) Humidity Sensor Precision : 10%, when temperature is 32₁F to 104₁F (0₁C to 40₁C) Weather Forecast Function : Barometric pressure reading at 15-minute intervals; upcoming weather forecasts. Other: LED light;12/24-hour timekeeping Four AAA size batteries (Type : LR03) Battery life : Approximately 1 year, 8 time calibration signal reception per day , One 1 minutes alarm operation per day 2 second light operation per day Operating temperature: 32|F to 104|F (0]C to 40|C)

SPECIFICATIONS (Sub-unit)

RF transmission frequency : 433.92MHz RF transmission requercy: 433.92/WHZ RF transmission range: 30m, unobstructed Thermometer Functions: Measuring range: -58iF to 158iF (-50jC to 70jC) Temperature Sensor Precision: 2jC (4(F) in range of 32iF to 104iF (0jC to 40jC) Hygrometer Function: Measuring range: 10% to 90%, when temperature is 32iF to 104iF (0jC to 40jC) Humidity Sensor Precision: 10%, when temperature is 32iF to 104iF (0jC to 40jC) Humidity Sensor Precision: -10%, when temperature is 32iF to 104iF (0jC to 40jC) Battery : Two AA size batteries (Type : R6P) Battery life : Approximately 1 year Operating temperature: 14;F to 140;F (-10;C to 60;C)

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful . In some two nues. These times are uesigned to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference address the instructions of the instruc

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause however, there is durating our television reception, which can be determined by turning the equipment off and on, harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: • Receivent or relocate the receiving antenna. • Increase the separation between the equipment and receiver.

 Connect the equipment into an outlet on a circuit different from that to which the receiver is connected Consult the dealer or an experienced radio/TV technician for help

Under the environment with radio frequency interference, the unit may malfunction and require user to reset the unit.