Operation Guide 5134

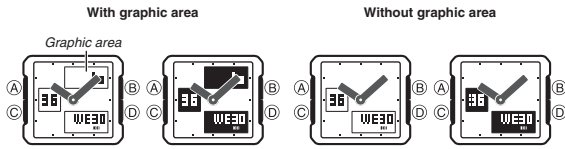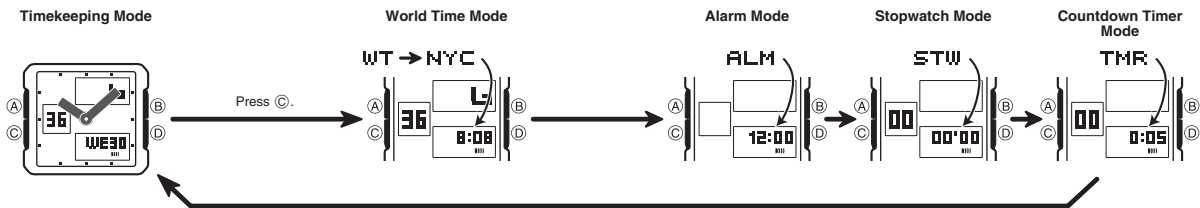**CASIO** ®

About This Manual

- Depending on the model of your watch, its display may have dark figures on a light background or light figures on a dark background. The display also may be with a graphic area or without a graphic area. All samples in this manual show dark figures on a light background, with a graphic area.
- Button operations are indicated using the letters shown in the illustration.
- For the sake of simplicity, the sample displays in this manual do not show the analog hands of the watch.
- Each section of this manual provides you with the information you need to perform operations in each mode. Further details and technical information can be found in the "Reference" section.

With graphic area   **Without graphic area**
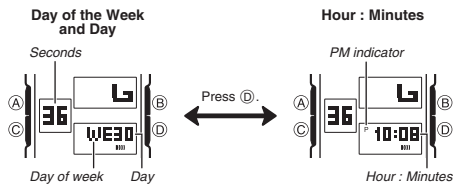
Graphic area

General Guide

- Press Ⓒ to change from mode to mode.
- In any mode (except when a setting screen is on the display), press Ⓑ to illuminate the display.

Timekeeping Mode   **World Time Mode**   **Alarm Mode**   **Stopwatch Mode**   **Countdown Timer Mode**

Press Ⓒ.

Timekeeping

This watch features separate digital and analog timekeeping. The procedures for setting the digital time and analog time are different.

- In the Timekeeping Mode, you can press Ⓓ to change the display format as shown below.

Day of the Week and Day   **Hour : Minutes**

Seconds

PM indicator
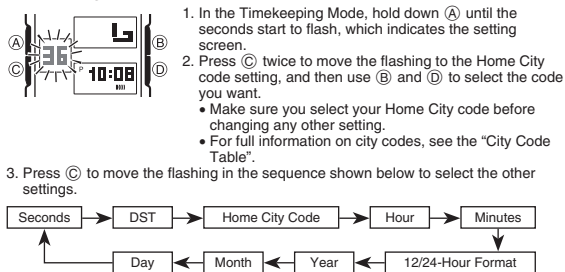

Press Ⓓ.

Day of week   Day

Hour : Minutes

Digital Time and Date

Use the Timekeeping Mode to set and view a digital display of the current time and date. When setting the digital time, you can also configure settings for summer time (Daylight Saving Time or DST), your Home City code (the code for the city where you normally use the watch), the 12/24-hour format.

- This watch is preset with a number of city codes, each of which represents the time zone where that city is located. When setting the digital time, it is important that you select the correct city code for your Home City. If your location is not included in the preset city codes, select the preset city code that is in the same time zone as your location.
- Note that all of the times for the World Time Mode city codes are displayed in accordance with the digital time and date settings you configure in the Timekeeping Mode.
- After you correctly set your Home City time and date, you can set the watch up for timekeeping with a different city code simply by changing the Home City code in the Timekeeping Mode.

To set the digital time and date

1. In the Timekeeping Mode, hold down Ⓐ until the seconds start to flash, which indicates the setting screen.
2. Press Ⓒ twice to move the flashing to the Home City code setting, and then use Ⓑ and Ⓓ to select the code you want.
   - Make sure you select your Home City code before changing any other setting.
   - For full information on city codes, see the "City Code Table".
3. Press Ⓒ to move the flashing in the sequence shown below to select the other settings.

Seconds → DST → Home City Code → Hour → Minutes

Day ← Month ← Year ← 12/24-Hour Format

4. When the setting you want to change is flashing, use Ⓑ and Ⓓ to change it as described below.

Screen	To do this:	Do this:
36	Reset the seconds to 00	Press Ⓓ.
OFF	Toggle between Daylight Saving Time (ON) and Standard Time (OFF)	Press Ⓓ.
TYO	Change the Home City code	Use Ⓓ (east) and Ⓑ (west).
10:08	Change the hour or minutes	Use Ⓓ (+) and Ⓑ (–).
12H	Toggle between 12-hour (12H) and 24-hour (24H) timekeeping	Press Ⓓ.
2010	Change the year	Use Ⓓ (+) and Ⓑ (–).
6-30	Change the month or day	

5. Press Ⓐ to exit the setting screen.
- Resetting the seconds only (without changing the DST, Home City code, hour, or minute setting) causes the analog minute hand setting to be adjusted automatically.
- See "Digital Time Daylight Saving Time (DST) Setting" below for details about the DST setting.
- The 12-hour/24-hour timekeeping format you select in the Timekeeping Mode is applied in all modes.

Digital Time Daylight Saving Time (DST) Setting

Daylight Saving Time (summer time) advances the digital time setting by one hour from Standard Time. Remember that not all countries or even local areas use Daylight Saving Time.

To toggle the Timekeeping Mode digital time between DST and Standard Time

DST indicator

1. In the Timekeeping Mode, hold down Ⓐ until the seconds start to flash, which indicates the setting screen.
2. Press Ⓒ once to display the DST setting screen.
3. Press Ⓓ to toggle between Daylight Saving Time (ON displayed) and Standard Time (OFF displayed).
4. Press Ⓐ to exit the setting screen.
- The DST indicator appears on the Timekeeping Mode screen to indicate that Daylight Saving Time is turned on.

Analog Time Setting

Perform the procedure below when the time indicated by the analog hands does not match the time of the digital display.

To adjust the analog time

1. In the Timekeeping Mode, hold down Ⓓ for about three seconds until the lower right display first shows H-SET and then the current digital time. This is the analog hand adjustment mode.
2. Press Ⓓ to advance the analog time setting by 20 seconds.
   - Holding down Ⓓ advances the analog time setting at high speed.
   - If you need to advance the analog time setting a long way, hold down Ⓓ until the time starts advancing at high speed, and then press Ⓑ. This locks the high-speed hand movement, so you can release the button. High-speed hand movement continues until you press any button. It will also stop automatically after the time advances 12 hours or if an alarm (daily alarm, Hourly Time Signal, or countdown beeper) starts to sound.

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3. Press Ⓐ to exit the setting screen.
• The watch will automatically adjust the minute hand slightly to match its internal second count when you exit the setting screen.

World Time

City code

WT → NYC

Ⓐ 36 Ⓑ
Ⓒ 8:08 Ⓓ

Current time for the selected city code

World Time digitally displays the current time in 48 cities (29 time zones) around the world.
• All of the operations in this section are performed in the World Time Mode, which you enter by pressing Ⓒ.

To view the time in another city
In the World Time Mode, press Ⓓ to scroll eastwardly through city codes.
• For full information about city codes, see the "City Code Table".
• If the current time shown for a city is wrong, it probably means there is a problem with your Timekeeping Mode time and/or Home City code settings. Go to the Timekeeping Mode and make the necessary adjustments.

To toggle a city code time between Standard Time and Daylight Saving Time

Ⓐ 36 Ⓑ
Ⓒ 9:08 (DST) Ⓓ

DST indicator

1. In the World Time Mode, use Ⓓ to display the city code whose Standard Time/Daylight Saving Time setting you want to change.
2. Hold down Ⓐ for about one second to toggle between Daylight Saving Time (DST indicator displayed) and Standard Time (DST indicator not displayed).
• The DST indicator is on the display whenever you display a city code for which Daylight Saving Time is turned on.
• Note that the DST/Standard Time setting affects only the currently displayed city code. Other city codes are not affected.

• You will not be able to change the DST/Standard Time setting of the city code currently selected as your Home City.
• Note that you cannot switch between Standard Time and Daylight Saving Time while UTC is selected as the city code.

Alarm

Alarm time (Hour : Minutes)

ALM

Ⓐ Ⓑ
Ⓒ 12:00 Ⓓ

Alarm on indicator

Hourly time signal on indicator

You can set one Daily Alarm. When the alarm is turned on, the alarm tone sounds when the alarm time is reached. You can turn on an Hourly Time Signal that causes the watch to beep twice every hour on the hour.
• Pressing Ⓓ cycles through the available alarm and hourly time signal combinations.
• All of the operations in this section are performed in the Alarm Mode, which you enter by pressing Ⓒ.

To set an alarm time

Ⓐ Ⓑ
Ⓒ 12:00 Ⓓ

1. In the Alarm Mode, hold down Ⓐ until the hour setting of the alarm time starts to flash, which indicates the setting screen.
• This operation automatically turns on the alarm.
2. Press Ⓒ to move the flashing between the hour and minute settings.
3. While a setting is flashing, use Ⓓ (+) and Ⓑ (–) to change it.

• When setting the alarm time using the 12-hour format, take care to set the time correctly as a.m. (no indicator) or p.m. (**P** indicator).
4. Press Ⓐ to exit the setting screen.

Alarm Operation
The alarm sounds at the preset time for about 20 seconds, regardless of the mode the watch is in.
• Alarm and Hourly Time Signal operations are performed in accordance with the Timekeeping Mode digital time.
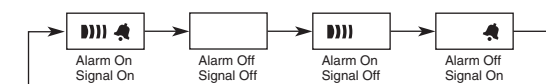• To stop the alarm tone after it starts to sound, press any button.

To test the alarm
In the Alarm Mode, hold down Ⓓ to sound the alarm.

To turn the alarm and the hourly time signal on and off

Ⓐ Ⓑ
Ⓒ 12:00 Ⓓ

Alarm on indicator

Hourly time signal on indicator

1. In the Alarm Mode, you can use Ⓓ to cycle through the available alarm and hourly time signal combinations as shown below.

Alarm On Signal On → Alarm Off Signal Off → Alarm On Signal Off → Alarm Off Signal On

• The alarm on indicator and hourly time signal on indicator are shown in all modes.
• The alarm on indicator flashes while the alarm is sounding.

Stopwatch

1/100 second

STW

Minutes

Ⓐ 67 Ⓑ
Ⓒ 23'45 (SPL) Ⓓ

SPL indicator

Seconds

The stopwatch lets you measure elapsed time, split times, and two finishes.
• The display range of the stopwatch is 59 minutes, 59.99 seconds.
• The stopwatch continues to run, restarting from zero after it reaches its limit, until you stop it.
• The stopwatch measurement operation continues even if you exit the Stopwatch Mode.
• Exiting the Stopwatch Mode while a split time is frozen on the display clears the split time and returns to elapsed time measurement.
• All of the operations in this section are performed in the Stopwatch Mode, which you enter by pressing Ⓒ.

To measure times with the stopwatch

Elapsed Time

Ⓓ → Ⓓ → Ⓓ → Ⓓ → Ⓐ
Start   Stop   Re-start   Stop   Clear

Split Time

Ⓓ → Ⓐ → Ⓐ → Ⓓ → Ⓐ
Start   Split (SPL indicator displayed)   Split release   Stop   Clear

Two Finishes

Ⓓ → Ⓐ → Ⓓ → Ⓐ → Ⓐ
Start   Split First runner finishes. Display time of first runner.   Stop Second runner finishes.   Split release Display time of second runner.   Clear

Countdown Timer

TMR

Seconds

Ⓐ 00 Ⓑ
Ⓒ 0:05 Ⓓ

Hours : Minutes

The countdown timer can be set within a range of one minute to 24 hours. An alarm sounds when the countdown reaches zero.
• All of the operations in this section are performed in the Countdown Timer Mode, which you enter by pressing Ⓒ.

To configure the countdown timer

Ⓐ Ⓑ
Ⓒ 0:20 Ⓓ

1. While the countdown start time is on the display in the Countdown Timer Mode, hold down Ⓐ until the current countdown start time starts to flash, which indicates the setting screen.
• If the countdown start time is not displayed, use the procedure under "To use the countdown timer" to display it.
2. Press Ⓒ to move the flashing between the hours and minutes digits.

Hours ◄——► Minutes

3. When the setting you want to change is flashing, use Ⓑ and Ⓓ to change it as described.

Setting	Screen	Button Operation
Start Time	0:05	Use Ⓓ (+) and Ⓑ (–) to change the setting. • You can set a start time in the range of 1 minute to 24 hours in 1-minute increments.

4. Press Ⓐ to exit the setting screen.

To use the countdown timer

Ⓐ 59 Ⓑ
Ⓒ 0:04 Ⓓ

Press Ⓓ while in the Countdown Timer Mode to start the countdown timer.
• The countdown timer operation continues even if you exit the Countdown Timer Mode.
• Press Ⓓ while a countdown operation is in progress to pause it. Press Ⓓ again to resume the countdown.
• To completely stop a countdown operation, first pause it (by pressing Ⓓ), and then press Ⓐ. This returns the countdown time to its starting value.

Illumination

Ⓐ 36 Ⓑ
Ⓒ WE30 Ⓓ

An LED (light-emitting diode) illuminates the display for easy reading in the dark.

Illumination Precautions
• The illumination provided by the light may be hard to see when viewed under direct sunlight.
• Illumination automatically turns off whenever an alarm sounds.
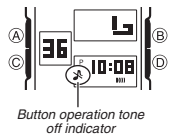• Frequent use of illumination runs down the batteries.

To turn on illumination
In any mode (except when a setting screen is on the display), press Ⓑ to turn on illumination.

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Reference

This section contains more detailed and technical information about watch operation. It also contains important precautions and notes about the various features and functions of this watch.

Button Operation Tone

Ⓐ 🔲 Ⓑ
Ⓒ 🔲 Ⓓ

Button operation tone off indicator

The button operation tone sounds any time you press one of the watch's buttons. You can turn the button operation tone on and off as desired.
• Even if you turn off the button operation tone, the alarm, the Hourly Time Signal, and the countdown alarm all operate normally.
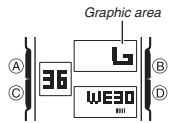
To turn the button operation tone on or off

In any Mode (except a setting mode), hold down Ⓒ for about three seconds to toggle the button operation tone on or off.
• The tone off indicator is displayed in all modes when the tone is turned off.

Graphic Area

The information in this section applies only to models with a graphic area.
The meaning of the graphic that appears depends on the mode.

Graphic area

Ⓐ 🔲 Ⓑ
Ⓒ 🔲 Ⓓ

Mode	Graphic Area
Timekeeping	Timekeeping Mode seconds
World Time	World Time Mode seconds
Alarm	Timekeeping Mode seconds
Stopwatch	Stopwatch time 1/10 second
Countdown Timer	Countdown time seconds

Auto Return Feature

If you leave a screen with flashing digits on the display for two or three minutes without performing any operation, the watch automatically exits the setting screen.

Scrolling

The Ⓑ and Ⓓ buttons are used in various modes and setting screens to scroll through data on the display. In most cases, holding down these buttons during a scroll operation scrolls through the data at high speed.

Initial Screens

When you enter the World Time, the data you were viewing when you last exited the mode appears first.

Timekeeping

• Resetting the seconds to 00 while the current count is in the range of 30 to 59 causes the minutes to be increased by 1. In the range of 00 to 29, the seconds are reset to 00 without changing the minutes.
• With the 12-hour format, the **P** indicator appears on the display for times in the range of noon to 11:59 p.m. and no indicator appears for times in the range of midnight to 11:59 a.m.
• With the 24-hour format, times are displayed in the range of 0:00 to 23:59, without any indicator.
• The year can be set in the range of 2000 to 2099.
• The watch's built-in full automatic calendar makes allowances for different month lengths and leap years. Once you set the date, there should be no reason to change it except after you have the watch's batteries replaced.
• The day of the week is displayed automatically in accordance with the date (year, month, and day) settings.

World Time

• All World Time Mode times are calculated from the current Home City time in the Timekeeping Mode using UTC time differential values.
• The UTC differential is a value that indicates the time difference between a reference point in Greenwich, England and the time zone where a city is located.
• The letters "UTC" is the abbreviation for "Coordinated Universal Time", which is the world-wide scientific standard of timekeeping. It is based upon carefully maintained atomic (cesium) clocks that keep time accurately to within microseconds. Leap seconds are added or subtracted as necessary to keep UTC in sync with the Earth's rotation.

Specifications

Accuracy at normal temperature: ±30 seconds a month
Digital Timekeeping: Hour, minutes, seconds, p.m. (P), day, day of the week
Time format: 12-hour and 24-hour
Calendar system: Full Auto-calendar pre-programmed from the year 2000 to 2099
Other: 2 screen formats (Day of the Week and Day, Hour: Minutes); Home City code (can be assigned one of 48 city codes); Daylight Saving Time (summer time)/Standard Time
Analog Timekeeping: Hour, minutes (hand moves every 20 seconds)
World Time: 48 cities (29 time zones)
Other: Daylight Saving Time/Standard Time
Alarm: One daily alarm; Hourly Time Signal
Stopwatch
Measuring unit: 1/100 second
Measuring capacity: 59'59.99"
Measuring modes: Elapsed time, split time, two finishes
Countdown Timer
Measuring unit: 1 second
Countdown range: 24 hours
Input range: 1 minute to 24 hours (1-minute increments)
Illumination: LED (light-emitting diode)

Battery: Two silver oxide batteries (Type: SR726W)
Approximately 2 years on type SR726W (assuming alarm operation 20 seconds and one illumination operation per day)

City Code Table

City Code	City	UTC Offset/ GMT Differential
PPG	Pago Pago	−11
HNL	Honolulu	−10
ANC	Anchorage	−9
YVR	Vancouver	−8
LAX	Los Angeles	−8
YEA	Edmonton	−7
DEN	Denver	−7
MEX	Mexico City	−6
CHI	Chicago	−6
MIA	Miami	−5
YTO	Toronto	−5
NYC	New York	−5
SCL	Santiago	−4
YHZ	Halifax	−4
YYT	St. Johns	−3.5
RIO	Rio De Janeiro	−3
RAI	Praia	−1
UTC		
LIS	Lisbon	0
LON	London	0
MAD	Madrid	+1
PAR	Paris	+1
ROM	Rome	+1
BER	Berlin	+1
STO	Stockholm	+1
ATH	Athens	+2
CAI	Cairo	+2
JRS	Jerusalem	+2

City Code	City	UTC Offset/ GMT Differential
MOW	Moscow	+3
JED	Jeddah	+3
THR	Tehran	+3.5
DXB	Dubai	+4
KBL	Kabul	+4.5
KHI	Karachi	+5
DEL	Delhi	+5.5
DAC	Dhaka	+6
RGN	Yangon	+6.5
BKK	Bangkok	+7
SIN	Singapore	+8
HKG	Hong Kong	+8
BJS	Beijing	+8
TPE	Taipei	+8
SEL	Seoul	+9
TYO	Tokyo	+9
ADL	Adelaide	+9.5
GUM	Guam	+10
SYD	Sydney	+10
NOU	Noumea	+11
WLG	Wellington	+12

• Based on data as of June 2009.
• The rules governing global times (UTC offset and GMT differential) and summer time are determined by each individual country.