

Operation Guide 5289

Congratulations upon your selection of this CASIO watch.

• Note that the product illustrations in this manual are intended for reference only, and so the actual product may appear somewhat different than depicted by an illustration.

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About This Manual



Operations are performed using the watch's crown, and the three buttons indicated by the letters (A), (B) and (C) in this manual.

Hands and Indicators

- 1 Hour Hand
- 2 Second Hand
- 3 Minute Hand
- 4 Upper Dial Hand: Indicates a time, in 24-hour format, depending on the current mode.
- 5 Lower Dial Hand: Points to the day of the week.
- 6 Day Indicator

This User's Guide uses numbers shown above to identify watch hands and indicator.

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Using the Crown

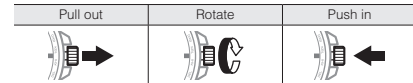


The crown of this watch is a screw in lock crown. Before using the crown, you must first rotate it towards you to loosen it. After performing crown operations be sure to press the crown in lightly as you screw it back in.

Important!

- To maintain water resistance and avoid impact damage to the crown, be sure to screw it back in when you are not using it.

The illustrations below show the different crown operations.



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When rotating the crown to move the hands of the watch, you can use the operations described below to move the hands at high speed. There are two high-speed hand movement speeds. High-speed 2 is the fastest.

High-speed 1



With the crown pulled out, rotate it rapidly away from you three times.

High-speed 2



After starting the High-speed 1 operation, rotate the crown rapidly away from you three more times.

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High-Speed Cancel



Rotate the crown towards you or press any button.

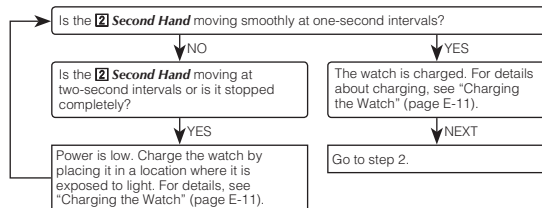
Note

- If you do not perform any operation for more than two minutes after pulling out the crown, crown operations will become disabled automatically. If this happens, push the crown back in and then pull it out again to re-enable crown operations.
- You can use high-speed hand movement when configuring time settings in the Timekeeping Mode, Alarm Mode, Countdown Timer Mode or home position adjustment.
- High-speed hand movement is forward only. There is no high-speed backward hand movement.
- Button operations become disabled after you perform a crown operation. If this happens, rotate the crown slightly. This should restore button operations.

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Things to check before using the watch

1. Hold down (C) at least two seconds to enter the Timekeeping Mode, and then observe the movement of the [2] Second Hand.



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2. Check the Home City.

Use the procedure under "To configure Home City settings" (page E-23) to configure your Home City.

3. Set the current time.

See "Configuring Current Time and Day Settings" (page E-28).

The watch is now ready for use.

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Charging the Watch

The face of the watch is a solar panel that generates power from light. The generated power charges a built-in rechargeable battery, which powers watch operations. The watch charges whenever it is exposed to light.

Charging Guide



Whenever you are not wearing the watch, be sure to leave it in a location where it is exposed to light.

- Best charging performance is achieved by exposing the watch to light that is as strong as possible.



When wearing the watch, makes sure that its face is not blocked from light by the sleeve of your clothing.

- The watch may enter a sleep state (page E-18) if its face is blocked by your sleeve even only partially.

Warning!

Leaving the watch in bright light for charging can cause it to become quite hot. Take care when handling the watch to avoid burn injury. The watch can become particularly hot when exposed to the following conditions for long periods.

- On the dashboard of a car parked in direct sunlight
- Too close to an incandescent lamp
- Under direct sunlight

Important!

- Keep the watch in an area normally exposed to bright light when storing it for long periods. This helps to ensure that power does not run down.
- Storing the watch for long periods in an area where there is no light or wearing it in such a way that it is blocked from exposure to light can cause power to run down. Make sure that the watch is exposed to bright light whenever possible.

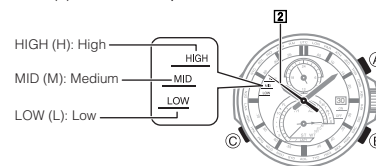
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Checking the Current Power Level

Certain functions will be disabled when the power level is low. If the power level is low, leave the watch in a location where its face (solar panel) is exposed to light.

To check the current power level

1. In the Timekeeping Mode, press (B). The (2) Second Hand will move to HIGH (H), MID (M), or LOW (L) to indicate the power level.

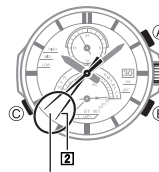


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2. Press (B) to return to regular timekeeping.

- The watch will also return to regular timekeeping if you do not perform any operation for about 1 second.

Low Power



Moves at two-second intervals.

Low power conditions are indicated by the movement of the (2) Second Hand in the Timekeeping Mode.

- If the (2) Second Hand is moving normally at one-second intervals, power is at Level 1.
- If the (2) Second Hand is moving at two-second intervals, power is at Level 2, which is quite low. Expose the watch to light as soon as possible so it can charge.

Low Battery Alert (Hand Movement and Function Status)

Level	Hand Movement	Function Status
1	Normal.	All functions enabled
2	(2) Second Hand moves at two-second intervals.	Beeper disabled
3	(2) Second Hand stopped.	All functions disabled

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- When power drops to Level 3, all settings (including timekeeping) will be cleared. Recharging the battery will reset all settings to their initial factory defaults.
- When the watch is at Level 3, exposing it to light for a while will cause the (2) Second Hand to move to the position of second 57. This indicates that charging has started.

Power Recovery Mode

The watch is designed to go into a power recovery mode that stops hand operation temporarily whenever power suddenly drops below a certain level due to overuse of the alarm tone or other operations over a short period. Note that all operations are disabled while the watch is in the power recovery mode.

The hands will move to the correct positions and the watch will resume normal operation after power recovers (in about 15 minutes). Putting the watch in a location where it is exposed to light will help power to recover sooner.

Charging Times

Exposure Level (Brightness)	Daily Operation *1	Level Change *2		
		Level 3	Level 2	Level 1
Outdoor sunlight (50,000 lux)	8 minutes	3 hours	35 hours	
Window sunlight (10,000 lux)	30 minutes	8 hours	130 hours	
Window sunlight on cloudy day (5,000 lux)	48 minutes	12 hours	209 hours	
Indoor fluorescent lighting (600 lux)	8 hours	150 hours	---	

*1 Approximate exposure each day to generate power for normal daily operation.

*2 Approximate exposure to take power up one level.

- The above times are for reference only. Actual times depend on lighting conditions.
- For details about the operating time and daily operating conditions, see the "Power Supply" section of the Specifications (page E-61).

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Power Saving

Power Saving enters a sleep state (second hand sleep or function sleep) whenever the watch is left for a certain period in an area where it is dark.

Elapsed Time in Dark	Operation
60 to 70 minutes (second hand sleep)	(2) Second Hand only stopped at 12 o'clock, all other functions enabled
6 or 7 days (function sleep)	<ul style="list-style-type: none"> • All functions, including analog timekeeping, disabled • Internal timekeeping maintained

- The watch will not enter a sleep state between 6:00 AM and 9:59 PM. If the watch is already in a sleep state when 6:00 AM arrives, however, it will remain there.
- The watch will not enter a sleep state while it is in the Stopwatch Mode.

To recover from the sleep state

Move the watch to a well-lit area or press any button.

Mode Reference Guide

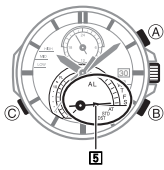
Your watch has five "modes". The mode you should select depends on what you want to do.

To do this:	Enter this mode:	See:
<ul style="list-style-type: none"> • Configure Home City and DST (daylight saving time) settings • Configure time and day settings • Check the current power level 	Timekeeping Mode	E-22
<ul style="list-style-type: none"> • View the current time in one of 29 cities around the globe • Configure World Time City and summer time settings • Swap the Home City and World Time City 	World Time Mode	E-35 E-36 E-39
Measure elapsed time and lap times, and recall lap times	Stopwatch Mode	E-40
Use the countdown timer	Countdown Timer Mode	E-45
<ul style="list-style-type: none"> • Set an alarm time • Turn the alarm ON or OFF 	Alarm Mode	E-48 E-51

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Selecting a Mode

With this watch, everything starts from the Timekeeping Mode.



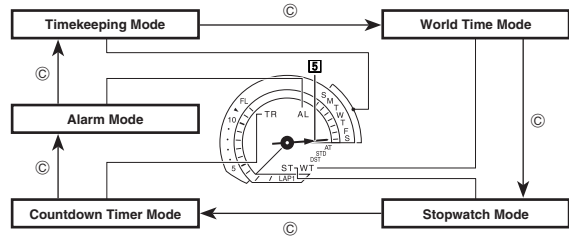
To determine the watch's current mode
Check what the **[5] Lower Dial Hand** is indicating as shown under "To select a mode" (page E-21).

To return to the Timekeeping Mode from any other mode
Hold down **[C]** for at least two seconds.

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To select a mode

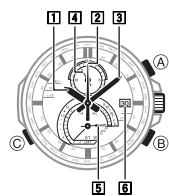
Each press of **[C]** will cycle between modes. The currently selected mode is indicated by the **[5] Lower Dial Hand**.



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Timekeeping

To enter the Timekeeping Mode, hold down **[C]** at least two seconds.



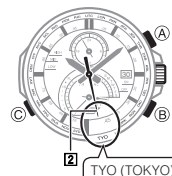
Hand Functions

- [1] Hour Hand**
- [2] Second Hand**
- [3] Minute Hand**
- [4] Upper Dial Hand:** Indicates the current hour in the Home City time in 24-hour format.
- [5] Lower Dial Hand:** Points to the day of the week.
- [6] Day Indicator**

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Configuring Home City Settings

The Home City is location where you will normally use the watch. You can choose from a selection of city codes that represent 29 cities around the globe.



To configure Home City settings

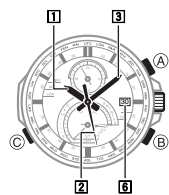
Note

- This watch does not have a city code that corresponds to Newfoundland.

1. Pull out the crown.

- This will cause the **[2] Second Hand** to move to the city code of the currently selected Home City.
- This indicates the city code setting mode.

- If you do not perform any operation with the crown for about two minutes after pulling it out, crown operations will become disabled and the hand will not move if you rotate the crown. If this happens, push the crown back in and then pull it out again.
- For details about city codes, see the "City Code Table" at the back of this manual.



2. Rotate the crown to move the **[2] Second Hand** to the city code you want to select as your Home City.
 - Each time you select a city code, the **[1] Hour Hand**, **[3] Minute Hand** and **[6] Day Indicator** move to the current time and day for that city code.
3. Push the crown back in to return to the Timekeeping Mode.

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STD/DST Switching

You can select summer time or standard time independently for each city. The initial default setting for all cities is **AT (AUTO)**.

Normally you should use the **AT (AUTO)** setting because it automatically switches between summer time and standard time. You should change the setting to **STD** (standard time) or **DST** (summer time) in the following cases.

- When using a time of a location that is not included in the watch's list of 29 cities
- When the preset AUTO standard time/summer time timing is incorrect for some reason

Daylight Saving Time (DST)

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

- Note that you cannot switch between **STD** (standard time) and **DST** (daylight saving time) while **UTC*** is selected as your Home City.

* *Coordinated Universal Time, the world-wide scientific standard of timekeeping. The reference point for UTC is Greenwich, England.*

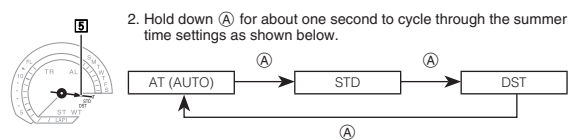
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To switch between standard time and summer time

1. Perform steps 1 and 2 under "To configure Home City settings" (page E-23).

- Selecting a city code will cause the **[1] Hour Hand**, **[3] Minute Hand**, and **[4] Upper Dial Hand** to move automatically to the current time for the selected city code.
- If you will use the watch in a city that is not included in the city code list, select a city code that is in the same time zone as your city.
- Displaying the Home City Settings screen will cause the **[5] Lower Dial Hand** to move to **AT** (auto switching), **STD** (standard time), or **DST** (daylight saving time).

AT (AUTO)	The watch automatically switches between standard time and daylight saving time in accordance with its calendar.
STD	The watch always shows standard time.
DST	The watch always shows daylight saving time.



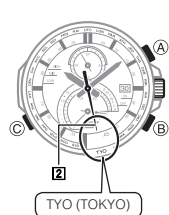
3. After the setting is way you want, push the crown back in.

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Configuring Current Time and Day Settings

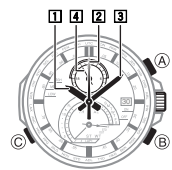
You can configure current time and day settings.



To change the current time setting

1. Pull out the crown.

- This will cause the **[2] Second Hand** to move to the city code of the currently selected Home City.
- If you do not perform any operation with the crown for about two minutes after pulling it out, crown operations will become disabled and the hand will not move if you rotate the crown. If this happens, push the crown back in and then pull it out again.

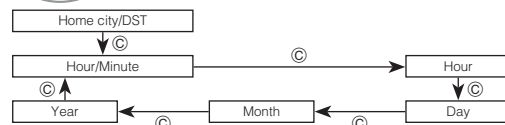


2. Change the Home City settings, if you want.

- For details about these settings, see steps 2 and 3 under "To configure Home City settings" (page E-23).

3. Hold down **[C]** for about one second until the watch beeps and the **[2] Second Hand** moves to 12 o'clock.

- This indicates the time setting mode.
- In the following steps, each press of **[C]** cycles between settings as shown below.

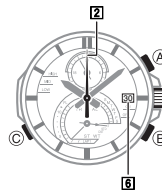


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- Rotate the crown to adjust the time (hour and minute) setting.
 - See "Using the Crown" (page E-3) for information about high-speed hand movement.
 - The **[4] Upper Dial Hand** is synchronized with the **[1] Hour Hand**.
 - When adjusting the setting, check to make sure that the **[4] Upper Dial Hand** correctly indicates an a.m. time or p.m. time.
 - If you want to change the day setting at this time, press **[C]** and perform the procedure starting from step 3 under "To change the current day setting" (page E-31).
- After the settings are the way you want, push the crown back in to return to the Timekeeping Mode.
 - This causes timekeeping to resume with the **[2] Second Hand** starting from 12 o'clock.

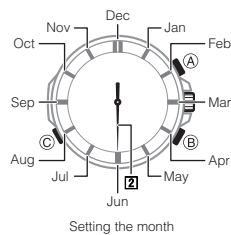
To change the current day setting



- Pull out the crown.
 - This will cause the **[2] Second Hand** to move to the city code of the currently selected Home City.
- Hold down **[C]** for about one second until the watch beeps and the **[2] Second Hand** moves to 12 o'clock.
 - This indicates the time setting mode.
- Press **[C]** twice. This will enter the day setting mode.
 - The **[6] Day Indicator** will move slightly to indicate the setting mode.
- Rotate the crown to adjust the day setting.

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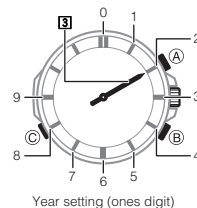
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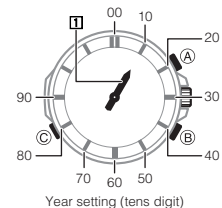
Setting the month

- After the **[6] Day Indicator** stops moving, press **[C]**. This will enter the month setting mode.
 - The **[2] Second Hand** will move to the currently selected month.
- Rotate the crown to adjust the month setting.
- Press **[C]**. This will enter the year setting mode.
 - The **[1] Hour Hand** will move to the number that represents the tens digit of the year and the **[3] Minute Hand** will move to the number that represents the ones digit. The **[2] Second Hand** will move to 12 o'clock and stop there.

- Rotate the crown to adjust the year setting.
 - If you want to change the time setting at this time, press **[C]** and then perform the procedure starting from step 4 under "To change the current time setting" (page E-28).



Year setting (ones digit)



Year setting (tens digit)

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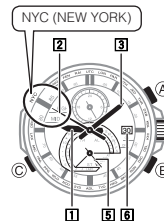
- After the settings are the way you want, push the crown back in to return to the Timekeeping Mode.
 - This causes timekeeping to resume with the **[2] Second Hand** starting from 12 o'clock.

Note

- The watch's built-in full automatic calendar makes allowances for different month lengths and leap years. Once you set the day, there should be no reason to change it except after you have the watch's rechargeable battery replaced or after power drops to Level 3.

Checking the Current Time in a Different Time Zone

You can use World Time to view the current time in one of 29 time zones around the globe. The currently selected city is called the "World Time City".



Hands and Indicators

- [1] Hour Hand:** Indicates the hour of the current time in the World Time City.
- [2] Second Hand:** Indicates the current World Time City for about three seconds after the World Time mode is entered.
- [3] Minute Hand**
- [5] Lower Dial Hand:** Points to WT.
- [6] Day Indicator**

- Pressing **[A]** causes the **[2] Second Hand** to move to the current World Time City for about three seconds.

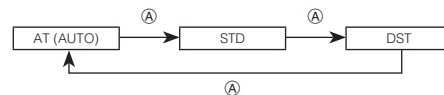
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To view the time in another time zone

- In the Timekeeping Mode, press **[C]** once to enter the World Time Mode.
 - The **[5] Lower Dial Hand** will move to WT.
 - To select the UTC zone as your World Time, simply hold down **[B]** for about three seconds. No other operation is required.
- Pull out the crown.
 - The **[2] Second Hand** points to the currently selected World Time city code.
 - The **[5] Lower Dial Hand** will indicate AT (AUTO), STD (standard time) or DST (daylight saving time), which indicates the current daylight saving time setting.
 - If you do not perform any operation with the crown for about two minutes after pulling it out, crown operations will become disabled and the watch hands will no longer move when you rotate the crown. If this happens, push the crown back in and then pull it out again.

- Rotate the crown to move the **[2] Second Hand** to the city code you want to select as the World Time City.
 - Each time you select a city code, the **[1] Hour Hand**, **[3] Minute Hand**, and **[6] Day Indicator** move to the current time and day for that city code. For details about city codes, see the "City Code Table" at the back of this manual.
 - If you think that the time indicated for the selected World Time City is not correct, it probably means that there is something wrong with your Home City settings. Use the procedure under "To configure Home City settings" (page E-23) to correct the Home City settings.
- Hold down **[A]** for about one second to cycle through the summer time settings as shown below.



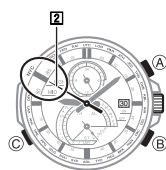
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- After selecting the city you want, push the crown back in to return to the World Time Mode.

Swapping your Home City and World Time City

You can use the procedure below to swap your Home City and World Time City. This capability can come in handy when you frequently travel between two locations in different time zones.

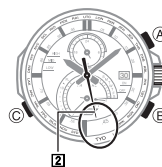


The following example shows what happens when the Home City and World Time City are swapped while the Home City originally is TYO (Tokyo) and the World Time City is NYC (New York).

	Home City	World Time City
Before swapping	Tokyo 10:08 p.m. (Standard time)	New York 9:08 a.m. (Daylight saving time)
After swapping	New York 9:08 a.m. (Daylight saving time)	Tokyo 10:08 p.m. (Standard time)

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To swap your Home City and World Time City



- In the World Time Mode, hold down **[A]** for about three seconds until the watch beeps.
- This indicates that your Home City and World Time City have been swapped.
 - After swapping the Home City and World Time City, the watch will stay in the World Time Mode. The **[2] Second Hand** will point to your new World Time City (TYO in this example).

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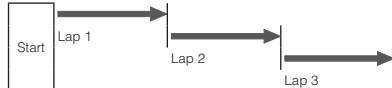
Using the Stopwatch

You can use the Stopwatch Mode to measure elapsed time and lap times, and to recall lap times. Up to 10 lap times can be stored in memory. There is also memory to record the fastest lap time. Though no more lap times are stored after 10 times are in memory, the fastest lap time continues to be updated as required. Starting a new elapsed time operation clears all of the memories (including fastest lap time).

What is a lap time?

A lap time is the time elapsed over a specific segment of a race.

Example: Car race on an oval track



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To perform an elapsed time operation



To perform lap time measurement



- Each press of (B) records a lap time. You can record up to 10 lap times. After that, you can still perform lap time operations, but they will not be recorded.
- After 10 lap times are recorded, the (5) Lower Dial Hand will point to the ▲ mark. This indicates that no more lap times will be recorded.
- If you perform a lap time operation that is not recorded (because 10 times are already in memory) and that lap is the fastest lap, it will be recorded as the fastest lap.

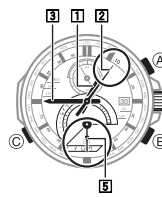
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To recall lap data

1. While in the Stopwatch Mode, pull out the crown to enter the Data Recall Mode.
2. Rotate the crown to select other laps.
 - The (5) Lower Dial Hand will indicate the lap number of currently shown time.
 - The (5) Lower Dial Hand will indicate FL (fastest lap) when the fastest lap time is shown.
3. To return to the Stopwatch Mode, push the crown back in.

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Hands and Indicators

- (1) Hour Hand: Indicates the stopwatch minute count (1 revolution = 60 minutes).
- (2) Second Hand: Indicates the 1/20 (0.05)-second count during stopwatch operation.
- (3) Minute Hand: Indicates the stopwatch seconds count.
- (5) Lower Dial Hand: Indicates the current lap.

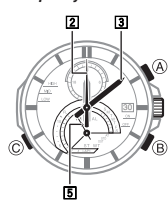
To enter and exit the Stopwatch Mode

In the Timekeeping Mode, press (C) twice to enter the Stopwatch Mode.

- The (5) Lower Dial Hand will move to LAP1.

- Performing a new elapsed time operation after resetting the stopwatch will delete previously recorded lap times.
- An ongoing elapsed time measurement operation is not affected by pulling out the crown.
- The (2) Second Hand, which indicates the 1/20 (0.05)-second count during stopwatch operation, moves only 30 seconds after an elapsed time measurement operation is started or restarted, or after a lap time is cleared. After that, the (2) Second Hand stops.
- When elapsed time passes 60 minutes, the (1) Hour Hand and (4) Upper Dial Hand will perform one full rotation.

To specify the countdown start time



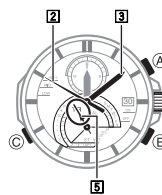
1. In the Timekeeping Mode, press (C) three times to enter the Countdown Timer Mode.
 - The (5) Lower Dial Hand will move to TR.
2. In the Countdown Timer Mode, pull out the crown. This enters the countdown start time setting mode.
 - If you do not perform any operation with the crown for about two minutes after pulling it out, crown operations will become disabled and the hand will not move if you rotate the crown. If this happens, push the crown back in and then pull it out again.
3. Rotate the crown to set the countdown start time.
 - The maximum countdown start time setting is 60 minutes. To set a countdown start time of 60 minutes, move the (3) Minute Hand to 12 o'clock.
 - See "Using the Crown" (page E-3) for information about high-speed hand movement.

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Using the Countdown Timer

The countdown timer can be configured within a range of one minute to 60 minutes. An alarm sounds for about 10 seconds when the timer reaches zero.



Hands and Indicators

- (2) Second Hand: Indicates countdown or elapsed seconds.
- (3) Minute Hand: Indicates countdown or elapsed minutes.
- (5) Lower Dial Hand: Points to TR.
- All hands move counterclockwise during a countdown.

To perform a countdown timer operation



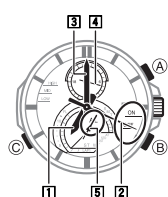
- A time-up alert sounds for 10 seconds when the countdown reaches 0, and then the timer displays the start time.
- The alarm will not sound if battery power is low.
- Pulling out the crown while a countdown is in progress will stop the countdown and enter the countdown start time setting mode.

To stop the alarm

Press any button.

Using the Alarm

When the alarm is turned on, an alarm will sound for about 10 seconds each day when the time in the Timekeeping Mode reaches the preset alarm time. This is true even if the watch is not in the Timekeeping Mode.



Hands and Indicators

- (1) Hour Hand: Indicates the currently set alarm time hour.
- (2) Second Hand: Indicates the current alarm ON/OFF setting.
- (3) Minute Hand: Indicates the currently set alarm time minute.
- (4) Upper Dial Hand: Indicates the hour setting of the current alarm time in 24-hour format.
- (5) Lower Dial Hand: Points to AL.

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To change the alarm time setting

1. In the Timekeeping Mode, press (C) four times to enter the Alarm Mode.
 - The (5) Lower Dial Hand will move to AL.
2. Pull out the crown to enter the alarm setting mode.
 - If you do not perform any operation with the crown for about two minutes after pulling it out, crown operations will become disabled and the watch hands will no longer move when you rotate the crown. If this happens, push the crown back in and then pull it out again.
 - You can toggle between the hour and minute setting mode, and the hour only setting mode by pressing (C).



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- Rotate the crown to set the alarm time.
 - The **[1] Hour Hand** will also move.
 - See "Using the Crown" (page E-3) for information about high-speed hand movement.
- Press **(C)** to switch to the hour setting mode.
 - The **[1] Hour Hand** will move slightly left and right to indicate the **[1] Hour Hand** setting mode.
 - Check the 24-hour time indicated by the **[4] Upper Dial Hand** to see if the current setting is a.m. or p.m.
- Rotate the crown to adjust the hour setting only.
 - See "Using the Crown" (page E-3) for information about high-speed hand movement.

- After the setting is the way you want, push the crown back in to exit the alarm setting mode.
 - The alarm always works based on the time kept in the Timekeeping Mode.
 - The watch will return to the Timekeeping Mode automatically if you do not perform any operation in the Alarm Mode for about two or three minutes.

To turn the alarm on or off

In the Alarm Mode, press **(A)** to toggle the alarm between on and off. The **[2] Second Hand** will indicate the current ON/OFF setting.

Note

- The alarm will not sound if battery power is low.
- The alarm will not sound if the watch is in the Power Saving sleep state.

To stop the alarm

Press any button.

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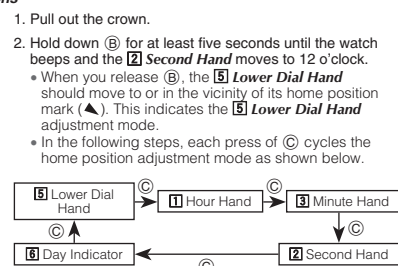
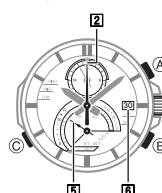
Adjusting Home Positions

Strong magnetism or impact can cause the hands and/or day indicator setting to be off. If this happens, perform the applicable home position adjustment procedures in this section.

Note

- Any time after you enter the home position adjustment mode in step 2 of the following procedure, you can return to the Timekeeping Mode by pushing the crown back in. In this case, any adjustments you made before the watch returned to the Timekeeping Mode will be applied.
- If you do not perform any operation with the crown for about two minutes after pulling it out, crown operations will become disabled and hands will not move if you rotate the crown. If this happens, push the crown back in and then pull it out again.

To adjust home positions



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- A hand's (or the day indicator) adjustment mode is indicated when that hand is at its home position as shown in the table below.
- If you complete the above cycle and return to **[5] Lower Dial Hand** correction, the **[5] Lower Dial Hand** will appear to vibrate slightly at the home position. The **[2] Second Hand** will also vibrate slightly at the other home positions as well.
- The table below shows the proper home positions of each hand and the day indicator.

Proper Home Positions

	Home Position
[5] Lower Dial Hand	▲ mark
[1] Hour Hand, [3] Minute Hand, [2] Second Hand	12 o'clock
[6] Day Indicator	1 (centered)

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E-55

Troubleshooting

Hand Movement and Position

- I lost track of what mode the watch is in.**
Refer to "Mode Reference Guide" (page E-19). To return directly to the Timekeeping Mode, hold down **(C)** at least two seconds.
- The [2] Second Hand is moving at two-second intervals.**
- All the watch's hands are stopped at 12 o'clock and none of the buttons work ([2] Second Hand stopped at 57, 58, 59, or 00).**
Power may be low. Expose the watch to light until the **[2] Second Hand** starts moving normally, at one-second intervals (page E-15).
- The hands of the watch suddenly start moving at high speed, even when I do not perform any operation.**
This could be due to any one of the following causes. In all cases, the hand movement does not indicate malfunction, and should stop shortly.
 - The watch is recovering from a sleep state (page E-18).

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- Hands suddenly stop moving. Button operation also is disabled.**
The watch may be in the power recovery mode (page E-16). Do not perform any operation until the hands return to their normal positions (in about 15 minutes). The hands should return to their correct positions when normal operation returns. To help power recover, leave the watch in a location where it is exposed to light.
- The current time setting is off by one hour.**
 - The period when summer time is applied in the location where you are using the watch may be different from the period set for your currently selected Home City. Use the procedure under "To switch between standard time and summer time" (page E-26) to switch from **AT (AUTO)** to **STD** (for standard time) or **DST** (for summer time).
- The time and date settings are off.**
This could indicate that the watch has been exposed to magnetism or strong impact, which has caused problems with proper hand and day indicator alignment. Adjust the watch's hand and day indicator home position alignment (page E-52).

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Charging

- The watch does not resume operation after I expose it to light.**
This can happen after the power level drops to Level 3 (page E-15). Continue exposing the watch to light until the **[2] Second Hand** starts moving normally (at one-second intervals).
- The [2] Second Hand starts to move at one-second intervals, but then suddenly returns to moving at two-second intervals.**
The watch probably is not sufficiently charged yet. Continue keeping it exposed to light.

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World Time

- The indicated World Time is wrong.**
There is a problem with your Home City settings. Check your Home City settings. See "To configure Home City settings" (page E-23).
- The indicated World Time is one hour off.**
The daylight saving time (summer time) setting for the World Time city is wrong. See "To view the time in another time zone" (page E-36).

Alarm

- The alarm does not sound.**
 - Power may be low. Expose the watch to light until the **[2] Second Hand** starts moving normally, at one-second intervals (page E-15).
 - The time setting is wrong in terms of a.m. and p.m.
 - The crown may be pulled out. Push the crown back in.

E-59

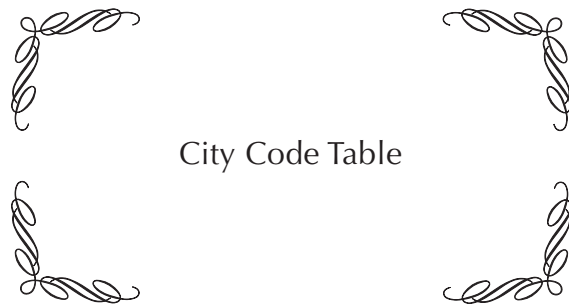
Specifications

Accuracy at normal temperature: ±15 seconds a month
Timekeeping: Hour, minutes (hand moves every 10 seconds), seconds, day
 Calendar system: Full Auto-calendar pre-programmed from the year 2000 to 2099
 Other: Home City code (can be assigned one of 29 city codes and Coordinated Universal Time); Daylight Saving Time (summer time) auto switching / Standard time
World Time: 29 cities (29 time zones) and Coordinated Universal Time
 Other: Daylight Saving Time (summer time) / Standard Time
Stopwatch: Measuring capacity: 59'59.95"
 Measuring unit: 1/20 (0.05) seconds
 Measuring mode: Elapsed time
 Lap time (Memories: 10, Fastest lap memory)
Countdown Timer:
 Measuring unit: 1 second
 Input range: 1 to 60 minutes (1-minute increments)

Alarm: Daily alarm
Other: Power Saving; Battery level indication
Power Supply: Solar panel and one rechargeable battery
 Approximate battery operating time: 8 months (no exposure to light after a full charge; 10 seconds alarm beeper operation per day)

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City Code Table

City Code	City	UTC Offset/ GMT Differential	Summer Time Period	
			Summer Time Start	Summer Time End
PAGO PAGO (PPG)	Pago Pago	-11	None	None
HONOLULU (HNL)	Honolulu	-10		
ANCHORAGE (ANC)	Anchorage	-9	2:00 a.m., second Sunday in March	2:00 a.m., first Sunday in November
LOS ANGELES (LAX)	Los Angeles	-8		
DENVER (DEN)	Denver	-7		
CHICAGO (CHI)	Chicago	-6		
NEW YORK (NYC)	New York	-5		
SANTIAGO (SCL)	Santiago	-4	Midnight, second Saturday in October	Midnight, second Saturday in March
RIO	Rio De Janeiro	-3	Midnight, third Sunday in October	Midnight, third Sunday in February or Midnight, fourth Sunday in February

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City Code	City	UTC Offset/ GMT Differential	Summer Time Period	
			Summer Time Start	Summer Time End
F. DE NORONHA (FEN)	Fernando de Noronha	-2	None	None
PRAIA (RAI)	Praia	-1		
UTC				
LONDON (LON)	London	0	1:00 a.m., last Sunday in March	2:00 a.m., last Sunday in October
PARIS (PAR)	Paris	+1	2:00 a.m., last Sunday in March	3:00 a.m., last Sunday in October
ATHENS (ATH)	Athens	+2	3:00 a.m., last Sunday in March	4:00 a.m., last Sunday in October
JEDDAH (JED)	Jeddah	+3	None	None
TEHRAN (THR)	Tehran	+3.5	Midnight, March 22 or Midnight, March 21	Midnight, September 22 or Midnight, September 21

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City Code	City	UTC Offset/ GMT Differential	Summer Time Period	
			Summer Time Start	Summer Time End
DUBAI (DXB)	Dubai	+4	None	None
KABUL (KBL)	Kabul	+4.5		
KARACHI (KHI)	Karachi	+5		
DELHI (DEL)	Delhi	+5.5		
DHAKA (DAC)	Dhaka	+6		
YANGON (RGN)	Yangon	+6.5		
BANGKOK (BKK)	Bangkok	+7		
HONG KONG (HKG)	Hong Kong	+8		
TOKYO (TYO)	Tokyo	+9		
ADELAIDE (ADL)	Adelaide	+9.5		
SYDNEY (SYD)	Sydney	+10	None	None
NOUMEA (NOU)	Noumea	+11	None	None
WELLINGTON (WLG)	Wellington	+12	2:00 a.m., last Sunday in September	3:00 a.m., first Sunday in April

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- * Based on data as of December 2010.
- * The rules governing global times (UTC offset and GMT differential) and summer time are determined by each individual country.
- * The summer time periods in this table are applicable to specific cities. For cities not included in the list, select the list city that is in the same time zone as the desired city and perform STD/DST settings manually.

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