

Operation Guide 5200

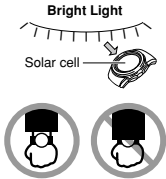
CASIO®

Getting Acquainted

Congratulations upon your selection of this CASIO watch. To get the most out of your purchase, be sure to read this manual carefully.

- Be sure to keep all user documentation handy for future reference.

Keep the watch exposed to bright light



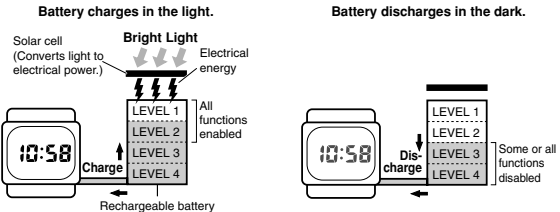
The electricity generated by the solar cell of the watch is stored by a rechargeable battery. Leaving or using the watch where it is not exposed to light causes the battery to run down. Make sure the watch is exposed to light as much as possible.

- When you are not wearing the watch on your wrist, position the face so it is pointed at a source of bright light.
- You should try to keep the watch outside of your sleeve as much as possible. Charging is reduced significantly if the face is covered only partially.

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- The watch continues to operate, even when it is not exposed to light. Leaving the watch in the dark can cause the battery to run down, which will result in some watch functions to be disabled. If the battery goes dead, you will have to re-configure watch settings after recharging. To ensure normal watch operation, be sure to keep it exposed to light as much as possible.

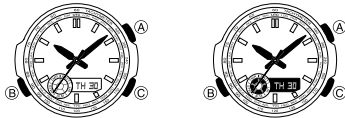


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About This Manual

- Depending on the model of your watch, display text appears either as dark figures on a light background, or light figures on a dark background. All sample displays in this manual are shown using dark figures on a light background.
- Button operations are indicated using the letters shown in the illustration.
- 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.



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Procedure Lookup

The following is a handy reference list of all the operational procedures contained in this manual.

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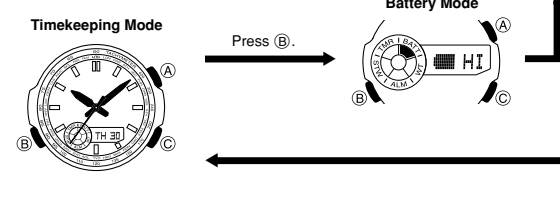
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General Guide

- Press (B) to change from mode to mode.
- In any mode, press (A) to illuminate the face of the watch.
- Holding down (B) for at least two seconds at any time will return directly to the Timekeeping Mode.

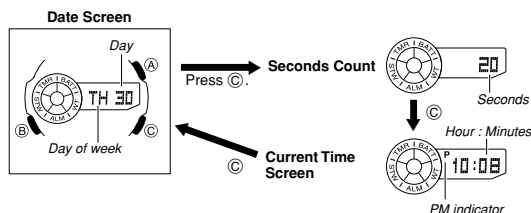


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Switching the Display Screen

Each press of **(C)** changes the contents of the digital display.



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Timekeeping

Read This Before You Set the Time and Date!

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 time, it is important that you first select the correct city code for your Home City (the city where you normally use the watch). 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.

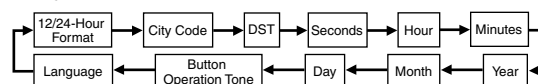
- Note that all of the times for the World Time Mode city codes (page E-19) are displayed in accordance with the time and date settings you configure in the Timekeeping Mode.

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To set the time and date

- In the Timekeeping Mode, hold down **(A)** for about three seconds. You can release the button after "ADJ" appears on the display.
 - At this time, "12H" (12-hour timekeeping) or "24H" (24-hour timekeeping) also will be flashing on the display.
 - The second hand will move to 12 o'clock and stop there.
- Press **(C)** to toggle between 12-hour (12H) and 24-hour (24H) timekeeping.
- Press **(B)** and the city code of the current Home City will flash on the display.
- Use **(C)** to select the city 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" at the back of this manual.

- Press **(B)** to move the flashing in the sequence shown below to select the other settings.



- The following steps explain how to configure timekeeping settings only.

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- When the timekeeping setting you want to change is flashing, use **(C)** to change it as described below.

Screen:	To do this:	Do this:
12 H	Toggle between 12-hour (12 H) and 24-hour (24 H) timekeeping	Press (C) .
T YO	Change the city code	
DST OFF	Toggle between Daylight Saving Time (ON) and Standard Time (OFF)	
36	Reset the seconds to 00	
P 10:08	Change the hour and minutes	
20 11 6-30	Change the year, month, or day	

Screen:	To do this:	Do this:
KE Y / MU TE	Toggle the button operation tone between KE Y (on) and MU TE (off)	Press (C) .
EN	Change the language EN : English DE : German ES : Spanish CN : Chinese JP : Japanese	

- Press **(A)** to exit the setting screen.
- The day of the week is displayed automatically in accordance with the date (year, month, and day) settings.

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12-hour and 24-hour timekeeping

- With the 12-hour format, the PM indicator (P) 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 12-hour/24-hour timekeeping format you select in the Timekeeping Mode is applied in all other modes.

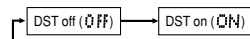
Daylight Saving Time (DST)

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.

To change the Daylight Saving Time (summer time) setting

- In the Timekeeping Mode, hold down **(A)** for about three seconds. You can release the button after "ADJ" appears on the display.
 - At this time, "12H" (12-hour timekeeping) or "24H" (24-hour timekeeping) also will be flashing on the display.
- Press **(B)** twice to enter the Daylight Saving Time setting mode.

- Use **(C)** to cycle through the DST settings in the sequence shown below.



OFF

This setting turns off summer time, and displays the current time normally.

ON

This setting turns on summer time. Turning on summer time advances the current time by one hour.

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- When the setting you want is selected, press **(A)** to exit the setting screen.
- The DST indicator appears to indicate that Daylight Saving Time is turned on.

Analog Timekeeping

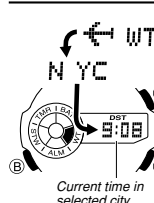
The analog time of this watch is synchronized with the digital time. The analog time setting is adjusted automatically whenever you change the digital time.

Note

- The hands for the analog timepiece move to adjust to a new setting whenever any of the following occurs.
 - When you change the digital time setting
 - When you change the Home City code and/or DST setting
- If the analog time does not match the digital time for any reason, use the procedure described under "To adjust home positions" (page E-42) to match the analog setting to the digital setting.
- Whenever you need to adjust both the digital and the analog time settings, make sure you adjust the digital setting first.
- Depending on how much the hands have to move in order to adjust to the digital time, it may take some time before they stop moving.

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World Time



World Time shows the current time in 29 time zones around the world.

- The times kept in the World Time Mode are synchronized with the time being kept in the Timekeeping Mode. If you feel that there is an error in any World Time Mode time, check to make sure you have the correct city selected as your Home City. Also check to make sure that the current time as shown in the Timekeeping Mode is correct.
- The World Time Mode indicator is displayed in the World Time Mode.
- When you enter the World Time mode, the second hand moves to the currently selected World City, and the hour and minute hands indicate the current time in the Home City.

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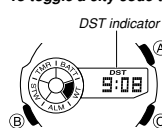
- Select a city code in the World Time Mode to display the current time in any particular time zone around the globe. See the "City Code Table" at the back of this manual for information about the UTC differential settings that are supported.
- All of the operations in this section are performed in the World Time Mode, which you enter by pressing (B) (page E-9).

To view the time in another city

In the World Time Mode, press (C).

- This will cause the city code of the currently selected World Time City to appear for about two seconds, followed by the current time in that city.
- Pressing (C) while a city code is displayed will scroll to the next city code, in the sequence noted in the "City Code Table" at the back of this manual.

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

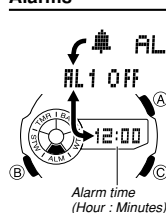


1. In the World Time Mode, use (C) to display the city code (time zone) whose Standard Time/Daylight Saving Time setting you want to change.
 2. Hold down (A) to toggle between Daylight Saving Time (DST indicator displayed) and Standard Time (DST indicator not displayed).
- The DST indicator is shown on the World Time Mode screen while Daylight Saving Time is turned on.
 - Note that the Standard Time/Daylight Saving Time setting affects only the currently displayed city code. Other city codes are not affected.
 - Selecting Daylight Saving Time for the city that is currently selected as the Home City, will also apply Daylight Saving Time to the Timekeeping Mode time.
 - Note that you cannot switch between Standard Time and Daylight Saving Time while UTC is selected as the city code.

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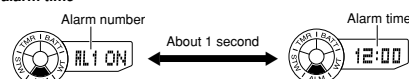
Alarms



The Alarm Mode lets you configure five daily alarms. You also can use it to turn the Hourly Time Signal on or off.

- The watch beeps for about 10 seconds when an alarm time is reached.
- Turning on the Hourly Time Signal causes the watch to beep on the hour every hour.
- All of the operations in this section are performed in the Alarm Mode, which you enter by pressing (B) (page E-9).

To set an alarm time



1. In the Alarm Mode, use (C) to scroll through the alarm screens until the one whose time you want to set is displayed.



- The alarm screens are AL1, AL2, AL3, AL4, and AL5.
- 2. Hold down (A) until the hour digits of the current alarm time start to flash. This is the setting mode.
- Entering the setting mode automatically turns on the displayed alarm.

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3. Press (C) to scroll the hour value, until it displays the value you want.
 - 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).
 - The same 12-hour/24-hour format you select for the Timekeeping Mode time (page E-12) is also applied in the Alarm Mode.
4. After the hour setting is the way you want, press (B) to move the flashing to the minutes.
 - Press (C) to scroll the minute value.
5. When the minute setting is the way you want, press (B). This will cause "ON" to flash on the display.
 - Press (C) to toggle the alarm setting between ON and OFF.



6. After the setting is the way you want, press (A) to exit the setting mode.

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Alarm Operation

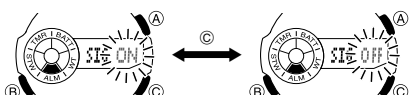
The alarm tone sounds at the preset time for 10 seconds, regardless of the mode the watch is in.

- Alarm and Hourly Time Signal operations are performed in accordance with the Timekeeping Mode time.
- To stop the alarm tone after it starts to sound, press any button.

To turn the Hourly Time Signal on and off

1. In the Alarm Mode, use (C) to select the Hourly Time Signal.
2. Hold down (A) for about three seconds until "ON" flashes on the display. This is the setting mode.
 - Entering the setting mode automatically turns on the Hourly Time Signal.

3. Press (C) to toggle the Hourly Time Signal between on and off.



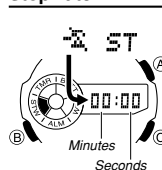
4. Press (A) to exit the setting screen.

To turn off all alarms and the Hourly Time Signal

In the Alarm Mode, hold down (C) for about three seconds.

- "ALL OFF" will appear on the display indicating all alarms and the Hourly Time Signal are turned off.

Stopwatch



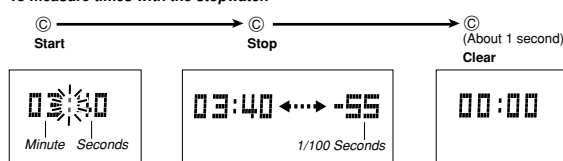
The stopwatch lets you measure elapsed times.

- 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.
- All of the operations in this section are performed in the Stopwatch Mode, which you enter by pressing (B) (page E-9).

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To measure times with the stopwatch



You can use the watch's tachymeter feature to measure the time (within 60 seconds) that a vehicle takes to run one kilometer (one mile) and then determine the approximate average speed.

To use the tachymeter

1. In the Stopwatch Mode, press (C).
 - The second hand will start to move, and will stop automatically when it reaches 60 seconds.
 - The hour and minute hands indicate the current time in the Home City.
2. Press (C) again when the vehicle reaches one kilometer (one mile).
 - This will stop the second hand. The value on the bezel that the second hand is pointing to is the average speed at that point.

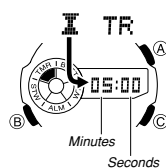
Example: After a vehicle runs one kilometer (one mile), the second hand is pointing at 120. This means that the average speed is 120 km/h (mph).

3. Hold down (C) for about one second to reset the tachymeter and return the second hand to 12 o'clock.

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Countdown Timer



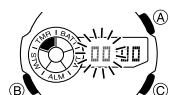
You can set the countdown timer within a range of one to 100 minutes. An alarm sounds when the countdown reaches zero.

- All of the operations in this section are performed in the Countdown Timer Mode, which you enter by pressing (B) (page E-9).

Countdown End Beeper

The countdown end beeper lets you know when the countdown reaches zero. The beeper stops after about 10 seconds or when you press any button.

To configure the countdown timer

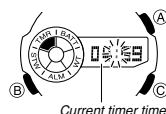


1. While the countdown start time is on the display in the Countdown Timer Mode, hold down (A) until the current countdown start time starts to flash, which indicates the setting screen.
 - If the countdown start time is not displayed, use the procedure under "To use the countdown timer" (page E-32) to display it.
2. Press (C) to scroll the minute setting value.
 - To specify a countdown time of 100 minutes, set **00:00**.
3. Press (A) to exit the setting screen.

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To use the countdown timer



Press (C) while in the Countdown Timer Mode to start the countdown timer.

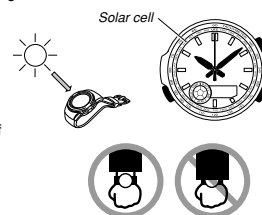
- The countdown timer operation continues even if you exit the Countdown Timer Mode.
- Press (C) while a countdown operation is in progress to pause it. Press (C) again to resume the countdown.
- To stop a countdown operation completely, hold down (C) for about one second until the countdown time returns to its starting value.

Power Supply

This watch is equipped with a solar cell and a rechargeable battery that is charged by the electrical power produced by the solar cell. The illustration shown below shows how you should position the watch for charging.

Example: Orient the watch so its face is pointing at a light source.

- The illustration shows how to position a watch with a resin band.
- Note that charging efficiency drops when any part of the solar cell is blocked by clothing, etc.
- You should try to keep the watch outside of your sleeve as much as possible. Charging is reduced significantly if the face is covered only partially.



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Important!

- 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 rechargeable battery power to run down. Be sure that the watch is exposed to bright light whenever possible.
- This watch uses a rechargeable battery to store power produced by the solar cell, so regular battery replacement is not required. However, after very long use, the rechargeable battery may lose its ability to achieve a full charge. If you experience problems getting the rechargeable battery to charge fully, contact your dealer or CASIO distributor about having it replaced.
- Never try to remove or replace the watch's rechargeable battery yourself. Use of the wrong type of battery can damage the watch.
- The current time and all other settings return to their initial factory defaults whenever battery power drops to Level 5 (pages E-35 and E-36) and when you have the battery replaced.
- Leaving the watch in a desk drawer or other dark location for a long time can cause it to enter the sleep state (page E-47) to conserve power.

Battery Power Indicator and Recover Indicator

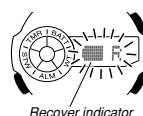
The battery power indicator on the display shows you the current status of the rechargeable battery's power.

Level	Battery Power Indicator	Function Status
1		All functions enabled.
2		All functions enabled.
3		Watch enters Timekeeping Mode and second hand jumps every two seconds. Illumination and beeper disabled.
4		All hands stop at 12 o'clock, all functions and display indicators disabled.
5		All functions disabled.

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- The flashing LO indicator at Level 3 tells you that battery power is very low, and that exposure to bright light for charging is required as soon as possible.
- At Level 5, all functions are disabled and settings return to their initial factory defaults. Once the battery reaches Level 2 after falling to Level 5, reconfigure the current time, date, and other settings.
- The watch's Home City code setting will change automatically to **TYO** (Tokyo) whenever the battery drops to Level 5. If you are using the watch outside of the Tokyo, Japan time zone, you will need to change the Home City code setting to match your location whenever this happens.
- Display indicators reappear as soon as the battery is charged from Level 5 to Level 2.
- Leaving the watch exposed to direct sunlight or some other very strong light source can cause the battery power indicator to show a reading temporarily that is higher than the actual battery level. The correct battery level should be indicated after a few minutes.



- Performing illumination or beeper operations during a short period may cause R (recover) to appear on the display. After some time, battery power will recover and R (recover) will disappear, indicating that the above functions are enabled again.
- If R (recover) appears frequently, it probably means that remaining battery power is low. Leave the watch in bright light to allow it to charge.

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Charging Precautions

Certain charging conditions can cause the watch to become very hot. Avoid leaving the watch in the areas described below whenever charging its rechargeable battery. Also note that allowing the watch to become very hot can cause its liquid crystal display to black out. The appearance of the LCD should become normal again when the watch returns to a lower temperature.

Warning!

Leaving the watch in bright light to charge its rechargeable battery 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

Charging Guide

The following table shows the amount of time the watch needs to be exposed to light each day in order to generate enough power for normal daily operations.

Exposure Level (Brightness)	Approximate Exposure Time
Outdoor Sunlight (50,000 lux)	8 minutes
Sunlight Through a Window (10,000 lux)	30 minutes
Daylight Through a Window on a Cloudy Day (5,000 lux)	48 minutes
Indoor Fluorescent Lighting (500 lux)	8 hours

- For details about the battery operating time and daily operating conditions, see the "Power Supply" section of the Specifications (page E-52).
- Stable operation is promoted by frequent exposure to light.

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Operation Guide 5200

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Recovery Times

The table below shows the amount exposure that is required to take the battery from one level to the next.

Exposure Level (Brightness)	Approximate Exposure Time				
	Level 5	Level 4	Level 3	Level 2	Level 1
Outdoor Sunlight (50,000 lux)		2 hours		18 hours	5 hours
Sunlight Through a Window (10,000 lux)		6 hours		67 hours	18 hours
Daylight Through a Window on a Cloudy Day (5,000 lux)		8 hours		108 hours	29 hours
Indoor Fluorescent Lighting (500 lux)		94 hours		-----	-----

- The above exposure time values are all for reference only. Actual required exposure times depend on lighting conditions.

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Adjusting Home Positions

Strong magnetism or impact can cause the hands of the watch to be off. If this happens, perform the applicable home position adjustment procedures in this section.

- Hand home position adjustment is not required if the analog time and digital time are the same in the Timekeeping Mode.
- Holding down the (C) button during the adjustment procedures in this section will cause the applicable hand to start high-speed hand movement. Once started, high-speed hand movement will continue even if you release the (C) button. To stop high-speed hand movement, press any button.

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To adjust home positions



Correct second hand position

1. In the Timekeeping Mode, hold down (A) for about six seconds. You can release the button after "H-SET" appears on the display.
 - Though "ADJ" will appear on the display after about three seconds, do not release the button yet. Keep it depressed until "H-SET" appears.
 - The second hand should move to 12 o'clock (its home position), and "SEC 00" will flash on the display.
 - If the second hand does not point to 12 o'clock, use the (C) button to adjust it. Each press of (C) advances the hand by one second.



Correct hour and minute hand positions

2. After the second hand is in the proper home position, press (B).
 - The hour and minute hands should move to 12 o'clock (their home position), and "+0:00" will flash on the display.
3. What you should do next depends on whether the hour and minute hands are to the left or to the right of 12 o'clock.

■ If the hands point to 12 o'clock

Go to step 4 of this procedure.

■ If the hands point to the left of 12 o'clock

Use the (C) button to move the hands clockwise until they point to 12 o'clock.

- Each press of (C) moves the hands 10 seconds.

■ If the hands point to the right of 12 o'clock

Press (B), which will cause the flashing display to change to "-0:00". Next, use the (C) button to move the hands counterclockwise until they point to 12 o'clock.

- Each press of (C) moves the hands 10 seconds.

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4. After everything is the way you want, press (A) to return to the Timekeeping Mode.
- After performing home position adjustment, enter the Timekeeping Mode and check to make sure that the analog hands and the digital display indicate the same time. If they do not, perform home position adjustment again.

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

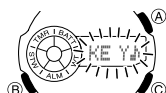
The button operation tone sounds any time you press one of the watch's buttons. You can turn the button operation tone on or off as desired.

- Even if you turn off the button operation tone, alarms, the Hourly Time Signal, and other beepers all operate normally.

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To turn the button operation tone on and off



1. In the Timekeeping Mode, hold down (A) for about three seconds. You can release the button after "ADJ" appears on the display.
 - At this time, "12H" (12-hour timekeeping) or "24H" (24-hour timekeeping) also will be flashing on the display.
2. Press (B) nine times until the current button operation tone setting (KE Y or MU TE) appears.
3. Press (C) to toggle the setting between KE Y (tone on) and MU TE (tone off).
4. Press (A) to exit the setting screen.

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Power Saving Function



The Power Saving function enters a sleep state automatically whenever the watch is left in an area for a certain period where it is dark. The table below shows how watch functions are affected by the Power Saving function.

Elapsed Time in Dark	Display	Operation
60 to 70 minutes	Blank	Second hand moves to 12 o'clock and stops, all functions enabled, display blank.
6 or 7 days	Blank	All hands stop at 12 o'clock. Beeper tone, illumination, and display are disabled.

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- Wearing the watch inside the sleeve of clothing can cause it to enter the sleep state.
- The watch will not enter the sleep state between 6:00 AM and 9:59 PM. If the watch is already in the sleep state when 6:00 AM arrives, however, it will remain in the sleep state.

To recover from the sleep state

Perform any one of the following operations.

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

Auto Return

- If you do not perform any operation for about two or three minutes while a setting screen (with a flashing setting) is on the display, the watch will exit the setting screen automatically.

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Scrolling

The (C) button is used in various modes and setting screens to scroll through data on the display. In most cases, holding down this button during a scroll operation scrolls at high speed.

Initial Screens

When you enter the World Time Mode or Alarm Mode, 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.
- 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 battery replaced.

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CASIO®

- The current time for all city codes in the Timekeeping Mode and World Time Mode is calculated in accordance with the Coordinated Universal Time (UTC) for each city, based on your Home City time setting.

World Time

- The seconds count of the World Time is synchronized with the seconds count of the Timekeeping Mode.

Illumination Precautions

An LED (light-emitting diode) and a light guide panel illuminate the face of the watch for easy reading in the dark. In any mode, press (A) to illuminate the face of the watch for about one second.

- The illumination provided by the light may be difficult to see when viewed under direct sunlight.
- Illumination turns off automatically whenever an alarm sounds.
- Frequent use of illumination shortens the battery operating time.

Specifications

Accuracy at normal temperature: ± 15 seconds a month

Digital Timekeeping: Hour, minutes, seconds, p.m. (P), day, day of the week

Time system: Switchable between 12-hour and 24-hour formats

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); Daylight Saving Time (summer time)/Standard Time

Analog Timekeeping: Hour, minutes (hand moves every 10 seconds), seconds

World Time: 29 cities (29 time zones)

Other: Daylight Saving Time/Standard Time

Alarms: 5 daily alarms; Hourly Time Signal

Stopwatch:

Measuring unit: 1/100 second

Measuring capacity: 59' 59.99"

Measuring mode: Elapsed time, tachymeter

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Countdown Timer:

Measuring unit: 1 second

Input range: 1 minute to 100 minutes (1-minute increments)

Illumination: LED (light-emitting diode)

Other: Button operation tone on/off, day of the week language selection

Power Supply: Solar cell and one rechargeable battery

Approximate battery operating time: 5 months (from full charge to Level 4) under the following conditions:

- Watch not exposed to light
- Internal timekeeping
- Display on 18 hours per day, sleep state 6 hours per day
- 1 illumination operation (1.5 second) per day
- 10 seconds of alarm operation per day

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City Code Table

City Code Table

City Code	City	UTC Offset/ GMT Differential
PPG	Pago Pago	-11
HNL	Honolulu	-10
ANC	Anchorage	-9
LAX	Los Angeles	-8
DEN	Denver	-7
CHI	Chicago	-6
NYC	New York	-5
SCL	Santiago	-4
RIO	Rio De Janeiro	-3
RAI	Praia	-1
UTC		0
LON	London	
PAR	Paris	+1

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City Code	City	UTC Offset/ GMT Differential
ATH	Athens	+2
JED	Jeddah	+3
THR	Tehran	+3.5
DXB	Dubai	+4
KBL	Kabul	+4.5
KHI	Karachi	+5
DEL	Delhi	+5.5
KTM	Kathmandu	+5.75
DAC	Dhaka	+6
RGN	Yangon	+6.5
BKK	Bangkok	+7
HKG	Hong Kong	+8
TYO	Tokyo	+9

City Code	City	UTC Offset/ GMT Differential
ADL	Adelaide	+9.5
SYD	Sydney	+10
NOU	Noumea	+11
WLG	Wellington	+12

- Based on data as of July 2010.
- The rules governing global times (UTC offset and GMT differential) and summer time are determined by each individual country.

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