Operation Guide 5117

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.

Keep the watch exposed to bright light

The electricity generated by the solar cell of the watch is stored in a built-in battery. Leaving or using the watch where it is not exposed to light can cause 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 only partially covered.

- 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 being 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.

Radio-controlled Atomic Timekeeping

This watch receives a time calibration signal and updates its time setting accordingly.

- This watch is designed to pick up the time calibration signals transmitted in Germany (Mainflingen), England (Anthorn), the United States (Fort Collins), China (Shangqiu), and Australia (Fukutsuka/Saga).
- See the information under “Signal Reception Troubleshooting” if you experience problems with time calibration signal reception.

Current Time Setting

This watch adjusts its time setting automatically in accordance with a time calibration signal. You can also perform an operation to set the current time setting manually. For more information, see “To set the time and date manually” for more information about manual time settings.

- The U.S. time calibration signal can be picked up by the watch while in North America. The term “North America” in this manual refers to the area that consists of Canada, the continental United States, and Mexico.
- As of January 2009, China does not use Daylight Saving Time (DST). If China goes to the Daylight Saving Time system in the future, some functions of this watch may no longer operate correctly.

- Using this watch in a country covered by a time calibration that is different from the country where it was purchased may result in incorrect time indication due to local application of summer time, etc.

To specify your Home City

1. In the Timekeeping Mode, hold down C for about five seconds until the left dial hand points to T1 and the city code flashes on the upper display. This is the setting screen.
2. Press (east) and (west) to select the city code you want to use as your Home City.

MAA, YTO, NYC: Miami, Toronto, New York
YVR, HCG, YVR: Vancouver, Hong Kong, Jakarta
YTO, HCG, YVR: St. John’s, Halifax, Toronto
YYT, SJO, KUL: St. Johns, St. John’s, Kuala Lumpur
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• The actual level at which some functions are disabled depends on the watch model.
• Frequent display illumination can run down the battery quickly and require charging. Be sure to read “Power Supply” for important information you need to know when exposing the watch to bright light.

If the display of the watch is blank...

If the display of the watch is blank, it means that the watch’s Power Saving function has turned off the display to conserve power.

- See “Power Saving Function” for more information.

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.
- 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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**Your Home City**

<table>
<thead>
<tr>
<th>Home City Code</th>
<th>Auto Receive Start Times</th>
</tr>
</thead>
<tbody>
<tr>
<td>STO</td>
<td>Midnight 1:00 am</td>
</tr>
<tr>
<td>SEL</td>
<td>Midnight 1:00 am</td>
</tr>
<tr>
<td>LON</td>
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</tr>
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<td>KUL</td>
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</tr>
<tr>
<td>HNL</td>
<td>Midnight 1:00 am</td>
</tr>
</tbody>
</table>

**Notes**

- When a calibration time is reached, the watch will receive the calibration signal only if it is in either the Timekeeping Mode or World Time Mode. Reception is not performed if a calibration time is reached while you are configuring settings.
- Auto receive of the calibration signal is designed to be performed early in the morning, while you sleep (provided that the Timekeeping Mode time is set correctly). Before going to bed for the night, remove the watch from your wrist, and put it in a location where it can receive the signal easily.
- The watch receives the calibration signal for two to 14 minutes everyday when the time in the Timekeeping Mode reaches a calibration time. Do not perform any button operation within 14 minutes before or after the calibration times. Doing so can interfere with correct calibration.
- Remember that reception of the calibration signal depends on the current time in your Home City, as kept in the Timekeeping Mode.

**About Auto Receive**

The watch receives the time calibration signal automatically up to six times a day (five times for the China signal). When any auto receive is successful, the remaining auto receive operations are not performed. The reception schedule (calibration times) depends on your currently selected Home City, and whether standard time or Daylight Saving Time is selected for your Home City.

**Signal Reception Troubleshooting**

Check the following points whenever you experience problems with signal reception:

<table>
<thead>
<tr>
<th>Problem</th>
<th>Probable Cause</th>
<th>What you should do</th>
</tr>
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<tbody>
<tr>
<td>1. ERR</td>
<td>The watch did not receive a time calibration signal.</td>
<td>You performed some button operation during the auto receive operation.</td>
</tr>
<tr>
<td></td>
<td>You performed some button operation during the auto receive operation.</td>
<td>Enter the Timekeeping Mode or World Time Mode. The watch is in a location where the signal cannot be received for some reason.</td>
</tr>
<tr>
<td></td>
<td>A countdown timer operation is in progress.</td>
<td>Check to make sure the watch is in a location where it can receive the signal.</td>
</tr>
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<td>Radio interference is often present during the day.</td>
<td>Enter the Countdown Timer Mode and stop the countdown.</td>
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**Fractions**

- (5:00 am) and (6:00 am) indicate the times when the watch will receive the time calibration signal.
- (7:00 am) and (8:00 am) indicate the times when the watch will receive the time calibration signal.
- (9:00 am) and (10:00 am) indicate the times when the watch will receive the time calibration signal.
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- (1:00 pm) and (2:00 pm) indicate the times when the watch will receive the time calibration signal.
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**For further information, see “Important!” under “Time Calibration Signal Reception” and “Radio-controlled Atomic Timekeeping Precautions”**
World Time

World Time shows the current time in 48 cities (29 time zones) around the world. With this operation, you can use your Home City with the currently selected World Time city.

1. In the World Time Mode, press [ ] to display the city code (time zone) you want to change.
2. Hold down [ ] for about three seconds to toggle between Standard Time and Daylight Saving Time (DST indicator displayed) and Standard Time (DST indicator not displayed).
3. The DST indicator is shown on the World Time Mode screen while Daylight Saving Time is turned on.

Swapping your Home City and World Time City:
You can use the procedure below to swap your Home City and World Time City. This changes your Home City to your World Time City and your World Time City to your Home City. This capability can come in handy when you frequently travel between two cities in different time zones:
1. If your current World Time city supports receipt of a time calibration signal, making it your Home City enables calibration signal reception.
2. For information about which cities support time calibration signal reception, see “To specify your Home City.”

To swap your Home City and World Time City:
1. In the World Time Mode, use [ ] to select the World Time city you want to change.
2. Hold down [ ] and press the time beep to swap.
3. This will make the World Time City (which you selected in step 1) your Home City. At the same time, it changes the Home City you had selected prior to step 2 your World Time City.
4. After swapping the Home City and World Time City, the watch shifts in the World Time Mode with the city that was selected as the Home City prior to step 2 now displayed as the World Time City.

Stopwatch

1. In the World Time Mode, press [ ] to display the city code (time zone) whose Standard Time/Daylight Saving Time setting you want to change.
2. Hold down [ ] for about three seconds to toggle between Daylight Saving Time (DST indicator displayed) and Standard Time (DST indicator not displayed).
3. The DST indicator is shown on the World Time Mode screen while Daylight Saving Time is turned on.

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

The stopwatch lets you measure elapsed time, split times, and two finishes. The digital display range of the stopwatch is 23 hours, 59 minutes, 59.99 seconds.

1. The stopwatch hand will perform one high-speed rotation during the first second of an elapsed time measurement operation. Then it will indicate the seconds during the first minute of the operation. After that, it will indicate minutes. Whenever an elapsed time operation is stopped, the stopwatch hand will move to its current seconds count.
2. The stopwatch measurement operation continues even if you exit the Stopwatch Mode.

To clear the stopwatch:
1. In the World Time Mode, press [ ] to display the Off indicator.
2. Press [ ] to stop the stopwatch.
3. Press [ ] to leave the mode.

Current time in
You can see the current time in another time zone.

To display the current time in another time zone:

1. In the World Time Mode, use [ ] to scroll through available city codes (time zone).
2. Holding down the button scrolls at high speed.
3. When the city code (time zone) you want is selected, you can press [ ] to display the date. After about one second, the watch will resume regular timekeeping.

DST Indicator

1. Press [ ] to toggle the DST indicator (globes). See the “City Code Table” for information about the UTC offset settings that are supported.

Holding down the button scrolls at high speed.

1. With the world time set, you can use the world time to display the current time 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.
2. 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” for information about the UTC offset settings that are supported.

Elapsed Time

When an alarm is turned on, the alarm tone sounds when the alarm time is reached. One of the alarms is a snooze alarm, while the other four are daily alarms. You can also turn on an Hourly Time Signal that causes the watch to beep every hour.

1. Five alarm screens numbered AL1, AL2, AL3, AL4, and AL5 for the daily alarm, a snooze alarm screen indicated by SN. The Hourly Time Signal screen is indicated by 3:15.
2. All of the operations in this section are performed in the Alarm Mode, which you enter by pressing [ ].

You can turn an alarm on or off at any time.

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

To set an alarm time:

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

2. After you select an alarm, hold down [ ] for about three seconds until the hour setting of the alarm time starts to flash, which indicates the setting screen.
3. When the alarm time is set, press [ ] to move the flashing between the hour and minute settings.
4. While the start time setting is flashing, use [ ] (+) and [ ] (–) to change it.
5. While the auto-repeat on/off setting (A on the display) is flashing on the display, press [ ] to toggle auto-repeat on (A) and off ( ).

To set the alarm time:

1. In the World Time Mode, press [ ] to display the city code (time zone) you want to change.
2. Hold down [ ] for about three seconds until the minute setting of the 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.
3. Press [ ] to move the flashing in the sequence shown below, and select the setting you want to change:

Countdown Timer

You can set the countdown timer within a range of one minute to 60 minutes. An alarm sounds when the countdown reaches zero.

1. To set the countdown timer operation completely, first pause it by pressing [ ], and then press [ ]. This returns the countdown timer to its starting value.

Start time (minutes)

1. In the World Time Mode, use [ ] to scroll through available city codes (time zone).

Stop Start Split All

Stop Re-start Stop Clear

Stop Release Stop Display Time of second runner.

To measure times with the stopwatch:

Stop Release Stop Display Time of first runner.

To set an alarm:

1. To set a daily alarm, display the alarm screen AL1, AL2, AL3, AL4, and AL5. To set the snooze alarm, indicate the SN alarm screen.
2. If the Hourly Time Signal setting is shown, this snooze alarm repeats every five minutes.

Alarm

To stop an alarm:

1. While the countdown start time is on the display in the Countdown Timer Mode, hold down [ ] for about three seconds until the minute setting of the countdown start time stops, which indicates the setting screen.
2. If the countdown start time is not displayed, use the procedure under “To use the countdown timer” to display it.
3. Press [ ] to move the flashing in the sequence shown below, and select the setting you want to change:

To configure countdown start time and auto-repeat settings:

1. In the World Time Mode, press [ ] to display the city code (time zone) whose Standard Time/Daylight Saving Time setting you want to change.
2. Hold down [ ] for about three seconds to toggle between Daylight Saving Time (DST indicator displayed) and Standard Time (DST indicator not displayed).
3. The DST indicator is shown on the World Time Mode screen while Daylight Saving Time is turned on.

To use the countdown timer:

1. In the World Time Mode, press [ ] to display the city code (time zone) you want to change.
2. Hold down [ ] for about three seconds until the minute setting of the countdown start time starts to flash, which indicates the setting screen.
3. If the countdown start time is not displayed, use the procedure under “To use the countdown timer” to display it.
4. Press [ ] to move the flashing in the sequence shown below, and select the setting you want to change:

To configure alarm time and alarm on/off settings:

1. In the World Time Mode, press [ ] to display the city code (time zone) you want to change.
2. Hold down [ ] for about three seconds until the minute setting of the countdown start time starts to flash, which indicates the setting screen.
3. If the countdown start time is not displayed, use the procedure under “To use the countdown timer” to display it.
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To configure alarm on/off settings:

1. In the World Time Mode, press [ ] to display the city code (time zone) you want to change.
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3. If the countdown start time is not displayed, use the procedure under “To use the countdown timer” to display it.
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3. If the countdown start time is not displayed, use the procedure under “To use the countdown timer” to display it.
4. Press [ ] to move the flashing in the sequence shown below, and select the setting you want to change:
To turn an alarm on and off

1. In the Alarm Mode, use \( \uparrow \) or \( \downarrow \) to select an alarm.
• The current on/off status of an alarm (P1, P2, P3, P4, P5, P6) is indicated by \( \uparrow \) (ON) or \( \downarrow \) (OFF) on its Alarm Mode screen.
• In all modes, the alarm on indicator is shown for any alarm that is currently turned on.
• The alarm on indicator flashes while the alarm is sounding.
• The snooze alarm indicator flashes while the snooze alarm is sounding and during the 5-minute intervals between alarms.

To turn the Hourly Time Signal on and off

1. In the Alarm Mode, use \( \uparrow \) or \( \downarrow \) to select the Hourly Time Signal (2 \( \Rightarrow \) 3).
2. Press (A) to toggle it on and off.
• The Hourly Time Signal on indicator is shown on the display in all modes while this function is turned on.

Warning!
Always be sure you are in a safe place whenever you are reading the display of the watch using the auto light switch. Be especially careful when riding or engaged in any other activity that can result in accident or injury. Also take care that sudden illumination by the auto light switch does not startle or distract others around you.

You should try to keep the watch on your wrist as described below in any mode.

Warning!
Sudden and unintended operation of the auto light switch can create a startle or distract others around you. Never try to remove or replace the watch's special 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 (C) and when you have the battery replaced.

You can turn the watch's Power Saving function on and it will be automatically turned off if you normally expose it to bright light when storing it for long periods. This helps to keep the rechargeable battery from going dead.

Battery Power Indicator and Power Recovery Mode indicator

The battery power indicator indicates you the current status of the rechargeable battery's power.

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 special 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 special rechargeable battery to charge fully, contact your dealer or CASIO distributor about having it replaced.

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.

<table>
<thead>
<tr>
<th>Exposure Level (Brightness)</th>
<th>Approximate Exposure Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outdoor Sunlight (50,000 lux)</td>
<td>8 minutes</td>
</tr>
<tr>
<td>Sunlight Through a Window (10,000 lux)</td>
<td>8 hours</td>
</tr>
<tr>
<td>Daylight Through a Window on a Cloudy Day (5,000 lux)</td>
<td>48 minutes</td>
</tr>
<tr>
<td>Indoor Fluorescent Lighting (500 lux)</td>
<td>8 hours</td>
</tr>
</tbody>
</table>

For details about the battery operating time and daily operating conditions, see the “Power Supply” section of the Specifications.

Stable operation is promoted by frequent exposure to light.
The day of the week is displayed automatically in accordance with the date (year, month, and day) settings.

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. The time calibration signals transmitted from Mainfingen (Germany), Anthorn (England), or Fort Collins (the United States) include both Standard Time and DST data. When the Auto DST setting is turned on, the watch switches between Standard Time and DST (summer time) automatically in accordance with the signals. Though the time calibration signals are transmitted by the Japanese time service, you probably is best to switch between Standard Time and Daylight Saving Time (summer time) manually.

To change the Daylight Saving Time (summer time) setting
1. In the Timekeeping Mode, hold down \( \text{SEL} \) for about five seconds until the left dial hand points to \( \text{T1} \) and the city code flashes on the upper display. This is the setting screen.
2. Press \( \text{B} \) and the DST setting screen appears.
3. Use \( \text{D} \) to cycle through the DST settings in the sequence shown below.

<table>
<thead>
<tr>
<th>DST Setting</th>
<th>Time Setting</th>
</tr>
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<tr>
<td>Auto DST (OPT)</td>
<td>Auto DST (OPT)</td>
</tr>
<tr>
<td>On (00)</td>
<td>Off (01)</td>
</tr>
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4. When the setting you want is selected, press \( \text{A} \) twice to exit the setting screen.

The DST indicator appears to indicate that Daylight Saving Time is turned on.

Dual Time
Dual Time lets you display the current time in another time zone called your “Dual Time City,” in addition to your Home City’s current time. This feature is very handy for business professionals and others who need to keep track of the current time in two different time zones.

For information on how to display the current time in the Dual Time City in the lower display, see “Timekeeping Mode.”

To specify the Dual Time City
1. In the Timekeeping Mode, hold down \( \text{SEL} \) for about five seconds until the left dial hand points to \( \text{T1} \) and the city code flashes on the upper display.
2. Press \( \text{D} \) again. The left dial hand will move to \( \text{T2} \) and the current Dual Time City code will start to flash on the upper display. This is the Dual Time City selection screen.
3. Use \( \text{C} \) (eastward) and \( \text{B} \) (westward) to scroll through the available city codes.
   • See the “City Code Table” for information about city codes.
4. Press \( \text{A} \) to exit the setting screen.

Hand Home Position Correction
The hour and minute hands of the watch can be thrown off by exposure to strong magnetic or impact.

You can perform correction of the hour and minute hand positions manually.

To adjust the home positions manually
1. In the Timekeeping Mode, hold down \( \text{SEL} \) for about three seconds, until \( \text{HST} \) appears on the upper display.
   • The dial hands are in their correct home positions when the left dial hand moves to \( \text{C} \) (CHG) and the stopwatch hand moves to 60. If they don’t, use \( \text{C} \) to adjust the left dial hand position and \( \text{D} \) (Clock) to adjust the stopwatch hand position.
2. After confirming that both dial hands are in their correct home positions, press \( \text{C} \).
   • This will change to hour and minute hand home position manual correction.
3. The hour and minute hands are in their correct home positions if they are pointing to 12 o’clock. If they are not, use \( \text{C} \) (Clock) and \( \text{D} \) (Clock) (-) to adjust their positions as required.
4. Pressing \( \text{C} \) here will return to the setting at the beginning of step 2.

Operation Guide 5117
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.

Power Saving Function
When turned on, 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.

<table>
<thead>
<tr>
<th>Elapsed Time</th>
<th>Hands and Display</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 70 minutes</td>
<td>Left dial hand: PS; Stopwatch hand: “00”</td>
<td>All functions enabled, except for displays</td>
</tr>
<tr>
<td>60 or 7 days</td>
<td>Stopped at 12 o’clock; other hands: stopped</td>
<td>Auto receive, beeper tone, illumination, and display disabled</td>
</tr>
</tbody>
</table>

- Wearing the watch inside a 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 one of the following operations.
- Move the watch to a well-lit area.
- Press any button.
- Angle the watch towards your face for reading.

To turn Power Saving on and off
1. While in the Timekeeping Mode, hold down (C) for about five seconds until the left dial hand points to T1 and the city code flashes on the upper display. This is the setting screen.
2. Press (C) nine times until the Power Saving on/off screen appears.
3. Press (D) to toggle Power Saving on (C) and off (D).
4. Press (D) twice to exit the setting screen.

Radio-controlled Atomic Timekeeping Precautions
- Strong electromagnet charge can change the time setting to be thrown off.
- The time calibration signal bounces off the ionosphere. Because of this, such factors as changes in the reflectivity of the ionosphere, as well as movement of the ionosphere to higher altitudes due to seasonal atmospheric changes or the time of day may change the reception range of the signal and make reception temporarily impossible.
- Even if the time calibration signal is received properly, certain conditions can cause the time setting to be off by up to one second.
- The current time setting in accordance with the time calibration signal takes priority over any time settings you make manually.
- The watch is designed to update the day and date of the week automatically for the period January 1, 2000 to December 31, 2099. Setting of the date by the time calibration signal cannot be performed starting from January 1, 2100.
- This watch can receive signals that differentiate between leap years and non-leap years.
- Though the watch is designed to receive both time data (hour, minutes, seconds) and date data (year, month, day), certain signal conditions can limit reception to time data only.
- If you are in an area where proper time calibration signal reception is impossible, the watch keeps the time with the precision noted in “Specifications”.
- If you have problems with proper time calibration signal reception or if the time setting is wrong after signal reception, check your current city code and D/B (summer time) settings.
- The Home City setting reverts to the initial default of YO (Tokyo) whenever the battery power drops to Level 5 (C) or when you have the rechargeable battery replaced. If this happens, change the Home City to the setting you want.

Transmitters
The time calibration signal received by this watch depends on the currently selected Home City code.
- When a U.S. time zone is selected, the watch receives the time calibration signal transmitted from the United States (Fort Collins).
- When a Japanese time zone is selected, the watch receives the time calibration signal transmitted from Japan (Fukushima and Fukusima/Saga).
- When an Austrian time zone is selected, the watch receives the time calibration signals transmitted from Germany (Mainflingen) and England (Anthorn).
- When a China time zone is selected, the watch receives the time calibration signals transmitted from China (Shanghai City).
- When your Home City is LIS, LON, MAD, PAR, ROM, BER, STO, ATH, MOW (which can receive both the Anthorn and Mainflingen signals), the watch first tries to pick up the signal it last successfully received. If that fails, it tries the other signal. For the first receive after you select your Home City, the watch tries the nearest signal first (Anthorn for LIS, LON, Mainflingen for MAD, PAR, ROM, BER, STO, ATH, and MOW).

Auto Return Features
- If you leave the watch with a flashing setting on the display for two or three minutes without performing any operation, the watch automatically exits the setting screen.
- The watch will return to the Timekeeping Mode automatically if you do not perform any operation for two or three minutes in the Alarm Mode.

High-Speed Movement
- The (E) and (G) buttons are used to change the hand setting in various setting modes. In most cases, holding down these buttons will start high-speed movement of the applicable hand(s).

Initial Screens
When you enter the World Time Mode or Alarm Mode, the data you were viewing when 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 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.

Illumination Precautions
- Illumination may be hard to see when viewed under direct sunlight.
- Illumination turns off automatically whenever an alarm sounds.
- Frequent use of illumination runs down the battery.

Auto light switch precautions
- The auto light switch is turned off automatically whenever battery power is at Level 4 (C).
- Avoid wearing the watch on the inside of your wrist. Doing so causes the auto light switch to operate when it is not needed, which shortens battery life. If you want to wear the watch on the inside of your wrist, turn off the auto light switch feature.

- More than 15 degrees too high
- When the current time is more than 15 degrees above or below parallel. Make sure that the back of your hand is parallel to the ground.
- Illumination turns off in about one second, even if you keep the watch pointed towards your face.

- Static electricity or magnetic force can interfere with proper operation of the auto light switch. If illumination does not turn on, try moving the watch back to the starting position (parallel with the ground) and then tilt it back toward you again. If this does not work, drop your arm down so it hangs at your side, and then bring it back up again.

- Under certain conditions, illumination may not turn on until about one second after you turn the face of the watch towards you. This does not necessarily indicate malfunction of the auto light switch.
- You may notice a very faint clicking sound coming from the watch when it is shaken back and forth. This sound is caused by mechanical operation of the auto light switch, and does not indicate a problem with the watch.

Specifications
Accuracy at normal temperature: ± 15 seconds a month (with no signal calibration)

Digital Timekeeping: Hour, minutes, seconds, p.m./p.m., month, day, day of the week
Time format: 12-hour and 24-hour
Calender system: Full Auto-calendar pre-programmed from the year 2000 to 2099
Other: Home City code (can be assigned one of 48 city codes), Standard Time / Daylight Saving Time Indication
Measuring modes: Elapsed time, split time, two finishes

- Approximate battery operating time: 6 months (from full charge to Level 5 (C))
- Life of the battery: 2 years
- Power saving: 1 illumination operation (1.5 seconds) per day
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### City Code Table

<table>
<thead>
<tr>
<th>City Code</th>
<th>City</th>
<th>UTC Offset*</th>
<th>GMT Differential</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPG</td>
<td>Pago Pago</td>
<td>-11</td>
<td></td>
</tr>
<tr>
<td>HNL</td>
<td>Honolulu</td>
<td>-10</td>
<td></td>
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<tr>
<td>ANC</td>
<td>Anchorage</td>
<td>-9</td>
<td></td>
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<tr>
<td>YVR</td>
<td>Vancouver</td>
<td>-8</td>
<td></td>
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<tr>
<td>YEA</td>
<td>Edmonton</td>
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<td>DEN</td>
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<tr>
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<td>12</td>
<td></td>
</tr>
</tbody>
</table>

*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.