Operation Guide 3436

CASIO®

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.

E

Contents

Procedure Lookup

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

General Guide

- Press Ⓒ to change from mode to mode.
- In any mode, press Ⓛ to illuminate the display.

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

Timekeeping

Month – Day

Day of week

PM indicator

Hour : Minutes Seconds
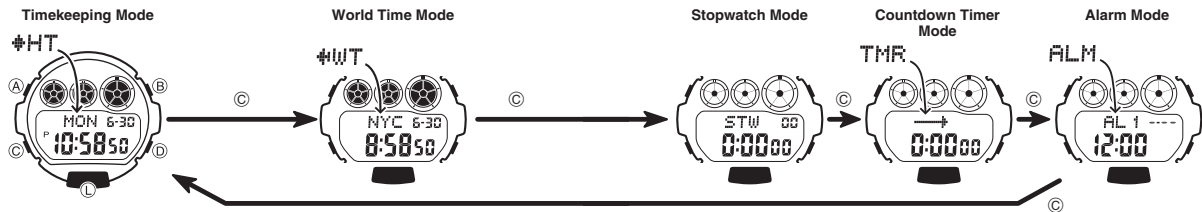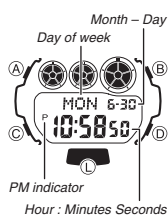
Use the Timekeeping Mode to set and view the current time and date.

Read This Before You Set the Time and Date !
The times displayed in the Timekeeping Mode and World Time Mode are linked. Because of this, make sure you select the UTC offset before you set the time and date.
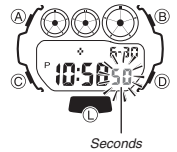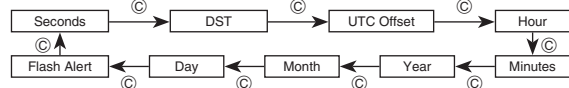
To set the time and date

1. In the Timekeeping Mode, hold down Ⓐ until the seconds start to flash, which indicates the setting screen.
2. Press Ⓒ to move the flashing in the sequence shown below to select other settings.

Seconds

| Seconds | → | DST | → | UTC Offset | → | Hour |
| Flash Alert | ← | Day | ← | Month | ← | Year | ← | Minutes |

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

Screen	To do this:	Do this:
50	Reset the seconds to 00	Press Ⓓ.
OF F	Toggle between Daylight Saving Time (On) and Standard Time (OF F)	
+ 90	Specify the UTC offset	Use Ⓓ (+) and Ⓑ (–).
10:58	Change the hour or minutes	
2014	Change the year	
6-30	Change the month or day	

- See "Daylight Saving Time (DST)" on page E-9 for details about DST setting.
- For details about the UTC offset, see the "City Code Table" at the back of this manual.
- The UTC offset setting range is –12.0 to +14.0, in 0.5-hour units.

- When DST is turned on, the UTC offset setting range is –11.0 to +15.0, in 0.5-hour units.
- For information about Flash Alert, see "Flash Alert" (page E-32).

4. Press Ⓐ to exit the setting screen.

- 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.

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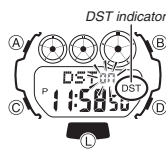
DST indicator

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

To toggle between 12-hour and 24-hour timekeeping

In the Timekeeping Mode, press Ⓓ to toggle between 12-hour timekeeping and 24-hour timekeeping.
● With the 12-hour format, the **P** (PM) indicator appears to the left of the hour digits for times in the range of noon to 11:59 p.m. and no indicator appears to the left of the hour digits 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.

World Time

City code

Current time and date in the zone of the selected city code
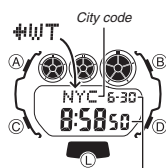
World Time shows the current time in 48 cities (29 time zones) around the world.
● All of the operations in this section are performed in the World Time Mode, which you enter by pressing Ⓒ (page E-4).

To view the time for another city code

In the World Time Mode, press Ⓓ to scroll eastwardly through city codes or Ⓑ to scroll westwardly.
● For full information about city codes, see the "City Code Table" at the back of this manual.
● If the current time for a city is wrong, check your Timekeeping Mode time and the UTC offset settings and make necessary changes.

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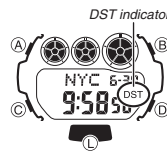
DST indicator

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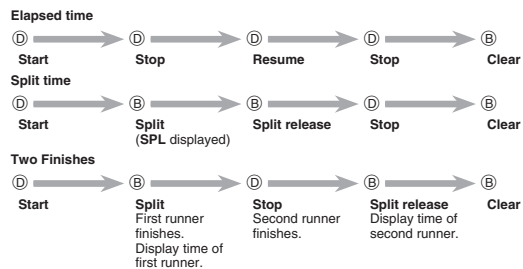
Stopwatch

1/100 second

Seconds
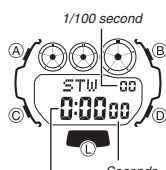
Hours : Minutes

The stopwatch lets you measure elapsed time, split times, and two finishes. It also includes Auto-Start.
● The display range of the stopwatch is 23 hours, 59 minutes, 59.99 seconds.
● The stopwatch continues to run, restarting from zero after it reaches its limit, until you stop it.
● The stopwatch measurement operation continues even if you exit the Stopwatch Mode.
● Exiting the Stopwatch Mode while a split time is frozen on the display clears the split time and returns to elapsed time measurement.
● All of the operations in this section are performed in the Stopwatch Mode, which you enter by pressing Ⓒ (page E-5).

To measure times with the stopwatch

Elapsed time

Ⓓ → Ⓓ → Ⓓ → Ⓓ → Ⓑ
Start   Stop   Resume   Stop   Clear

Split time

Ⓓ → Ⓑ → Ⓑ → Ⓓ → Ⓑ
Start   Split   Split release   Stop   Clear
(**SPL** displayed)

Two Finishes

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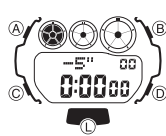   Display time of
        first runner.

About Auto-Start

With Auto-Start, the watch performs a 5-second countdown, and stopwatch operation starts automatically when the countdown reaches zero.
During the final three seconds of the countdown, a beeper sounds with each second.

To use Auto-Start

1. While the stopwatch screen is showing all zeros in the Stopwatch Mode, press Ⓑ.
   ● This displays a 5-second countdown screen.
   ● To return to the all zeros screen, press Ⓑ again.
2. Press Ⓓ to start the countdown.
● When the countdown reaches zero, a tone sounds and a stopwatch timing operation starts automatically.
● Pressing Ⓓ while the Auto-Start countdown is in progress starts the stopwatch immediately.

Countdown Timer

Seconds

Hours : Minutes
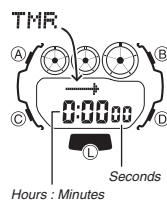
The countdown timer can be set within a range of one minute to 24 hours. An alarm sounds when the countdown reaches zero. The countdown timer also has an auto-repeat feature and a progress beeper that signals the progress of the countdown.
● All of the operations in this section are performed in the Countdown Timer Mode, which you enter by pressing Ⓒ (page E-5).

Configuring the Countdown Timer

The following are the settings you should configure before actually using the countdown timer.
Countdown start time; Auto-repeat on/off; Progress beeper on/off
● See "To configure the countdown timer" (page E-20) for information about setting up the timer.

Auto-repeat

When auto-repeat is turned on, the countdown restarts automatically from the countdown start time when it reaches zero.
When auto-repeat is turned off, the countdown stops when it reaches zero and the display shows the original countdown start time.
● Pressing Ⓓ while an auto-repeat countdown is in progress pauses the current countdown. You can resume the auto-repeat countdown by pressing Ⓓ, or you can press Ⓑ to reset to the countdown time starting value.

Countdown Timer Beeper Operations

The watch beeps at various times during a countdown so you can keep informed about the countdown status without looking at the display. The following describes the types of beeper operations the watch performs during a countdown.

Countdown End Beeper

The countdown end beeper lets you know when the countdown reaches zero.
● When the progress beeper is turned off, the countdown end beeper sounds for about 10 seconds, or until you press any button to stop it.
● When the progress beeper is turned on, the countdown end beeper sounds for about one second.

Progress Beeper

When the progress beeper is turned on, the watch uses beeps to signal countdown progress as described below.
● Starting from five minutes before the end of the countdown, the watch emits four short beeps at the top of each countdown minute.
● 30 seconds before the end of the countdown, the watch emits four short beeps.
● The watch emits a short beep for each of the last 10 seconds of the countdown.
● If the countdown start time is six minutes or greater, the watch emits a short beep for each second of the final 10 seconds before the five-minute point is reached. Four short beeps are emitted to signal when the five-minute point is reached.

To configure the countdown timer
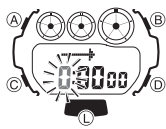
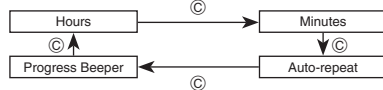1. While the countdown start time is on the display in the Countdown Timer Mode, hold down Ⓐ until the current countdown start time starts to flash, which indicates the setting screen.
   • If the countdown start time is not displayed, use the procedure under "To use the countdown timer" (page E-22) to display it.
2. Press Ⓒ to move the flashing in the sequence shown below to select other settings.

Hours → Minutes → Auto-repeat → Progress Beeper → Hours (with Ⓒ at each transition)

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

Setting	Screen	Button Operation
Hours, Minutes	0:00	Use Ⓓ (+) and Ⓑ (–) to change the setting.
Auto-repeat		Press Ⓓ to toggle auto-repeat on (displayed) and off (displayed).
Progress Beeper	♪OFF	Press Ⓓ to toggle the progress beeper on (ON) and off (OFF).

• To specify a countdown start time of 24 hours, set 0:00.
4. Press Ⓐ to exit the setting screen.
• You can also perform steps 1 and 2 of the above procedure whenever you need to view the current auto-repeat and progress beeper settings.

To use the countdown timer

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

Alarms

Alarm number

Alarm date (Month – Day)

Alarm time (Hour : Minutes)
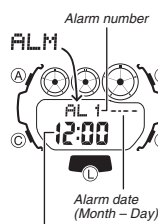
You can set up to three independent multi-function alarms with hour, minutes, month, and day. When an alarm is turned on, the alarm tone sounds when the alarm time is reached. One of the alarms is a snooze alarm. You can also turn on an Hourly Time Signal that causes the watch to beep twice every hour on the hour.
• The snooze alarm screen is indicated by SNZ, while the other alarm screens are numbered AL 1 and AL2. The Hourly Time Signal screen is indicated by SIG.
• All of the operations in this section are performed in the Alarm Mode, which you enter by pressing Ⓒ (page E-5).

Alarm Types

The alarm type is determined by the settings you make, as described below.

• **Daily alarm**
Set the hour and minutes for the alarm time. This type of setting causes the alarm to sound everyday at the time you set.

• **Date alarm**
Set the month, day, hour and minutes for the alarm time. This type of setting causes the alarm to sound at the specific time, on the specific date you set.

• **1-Month alarm**
Set the month, hour and minutes for the alarm time. This type of setting causes the alarm to sound everyday at the time you set, only during the month you set.

• **Monthly alarm**
Set the day, hour and minutes for the alarm time. This type of setting causes the alarm to sound every month at the time you set, on the day you set.
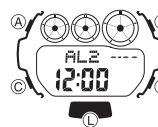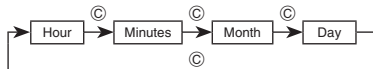
To set an alarm time

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

AL 1 → AL2 → SNZ → SIG → AL 1 (cycle with Ⓓ/Ⓑ)
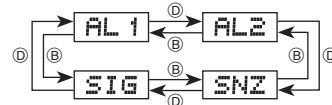
• To set an alarm time, display the applicable alarm screen (AL 1, AL2 or SNZ).
• The snooze alarm repeats every five minutes.
2. After you select an alarm, hold down Ⓐ until the hour setting of the alarm time starts to flash, which indicates the setting screen.
• This operation turns on the alarm automatically.

3. Press Ⓒ to move the flashing in the sequence shown below to select other settings.

Hour → Minutes → Month → Day (with Ⓒ at each transition)

4. While a setting is flashing, use Ⓓ and Ⓑ to change it as described below.

Screen	To do this:	Do this:
12:00	Change the hour and minutes	Use Ⓓ (+) and Ⓑ (–). • With the 12-hour format, set the time correctly as a.m. or p.m. (P indicator).
– – – –	Change the month and day	• To set an alarm that does not include a month and/or day, set – for each setting.

5. Press Ⓐ to exit the setting screen.

Alarm Operation

The alarm tone sounds at the preset time for 10 seconds, regardless of the mode the watch is in. In the case of the snooze alarm, the alarm operation is performed a total of seven times, every five minutes, until you turn the alarm off (page E-28).
• 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.
• Performing any one of the following operations during a 5-minute interval between snooze alarms cancels the current snooze alarm operation.
   Displaying the Timekeeping Mode setting screen (page E-7)
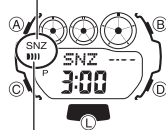   Displaying the SNZ setting screen (page E-25)

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

To turn an alarm on and off

Snooze alarm indicator

Alarm on indicator

1. In the Alarm Mode, use Ⓓ and Ⓑ to select an alarm.
2. Press Ⓐ to toggle it on and off.
• Turning on a alarm (AL 1 or AL2) displays the alarm on indicator (♪)) on its Alarm Mode screen.
• Turning on the snooze alarm (SNZ) displays the alarm on indicator (♪)) and snooze alarm indicator (SNZ) on the Alarm Mode snooze alarm 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

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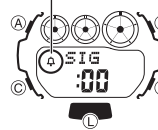
1. In the Alarm Mode, use Ⓓ to select the Hourly Time Signal (SIG).
2. Press Ⓐ to toggle it on and off.
• The Hourly Time Signal on indicator (Ω) is shown on the display in all modes while this function is turned on.

Illumination

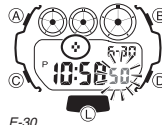This watch has an EL (electro-luminescent) panel that causes the entire display to glow for easy reading in the dark.

To illuminate the display

In any mode, press Ⓛ to turn on illumination.
• You can use the procedure below to select either 1.5 seconds or 3 seconds as the illumination duration. When you press Ⓛ, the illumination will remain on for about 1.5 seconds or 3 seconds, depending on the current illumination duration setting.

To specify the illumination duration

1. In the Timekeeping Mode, hold down Ⓐ until the seconds start to flash, which indicates the setting screen.
2. While the seconds are flashing, press Ⓑ to toggle the setting between 1.5 seconds (⟡) and 3 seconds (☀).
3. Press Ⓐ to exit the setting screen.

Flash Alert

When Flash Alert is turned on, the illumination flashes for the alarms, the Hourly Time Signal, the countdown alarm, and stopwatch auto start.

To turn Flash Alert on and off

1. In the Timekeeping Mode, hold down Ⓐ until the seconds start to flash, which indicates the setting screen.
2. Press Ⓒ eight times to display the Flash Alert setting screen.
3. Press Ⓓ to toggle Flash Alert on (SYNC displayed) and off (- - - - displayed).
4. Press Ⓐ to exit the setting screen.
• The Flash Alert setting you select with the above procedure is applied in all modes.
• When Flash Alert is on, SYNC appears on the timekeeping screen for about one second whenever you enter the Stopwatch, Countdown Timer, or Alarm Mode.

Auto Return Features

• If you leave the watch in the Alarm Mode for two or three minutes without performing any operation, it automatically changes to the Timekeeping Mode.
• If you leave a screen with flashing digits on the display for two or three minutes without performing any operation, the watch automatically exits the setting screen.

Scrolling

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

Initial Screens

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

• The letters "UTC" is the abbreviation for "Coordinated Universal Time", which is the world-wide scientific standard of timekeeping. It is based upon carefully maintained atomic (cesium) clocks that keep time accurately to within microseconds. Leap seconds are added or subtracted as necessary to keep UTC in sync with the Earth's rotation.

Illumination Precautions

• The electro-luminescent panel that provides illumination loses power after very long use.
• Illumination may be hard to see when viewed under direct sunlight.
• The watch may emit an audible sound whenever the display is illuminated. This is due to vibration of the EL panel used for illumination, and does not indicate malfunction.
• Illumination turns off automatically whenever an alarm sounds.
• Frequent use of illumination runs down the battery.

Stopwatch

Measuring unit: 1/100 second
Measuring capacity: 23:59' 59.99"
Measuring modes: Elapsed time, split time, two finishes

Illumination: EL (electro-luminescent panel); Selectable illumination duration
Other: Button operation tone on/off, Flash Alert
Battery: One lithium battery (Type: CR2016)
Approximately 5 years on type CR2016 (10 seconds of alarm operation per day (with Flash Alert), one countdown timer operation (with progress beeper and Flash Alert) per week, one stopwatch operation (with auto start and Flash Alert) per week, 1.5 seconds of illumination per day)

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.

Graphic Area

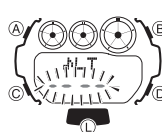The information shown in the graphic area depends on the current mode.

Graphic area

MON 6-30
10:58₅₀

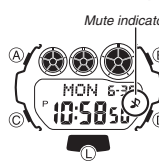| Mode	Graphic Area
Timekeeping	Timekeeping Mode seconds
World Time	Timekeeping Mode seconds
Stopwatch	Stopwatch time seconds
Countdown Timer	Countdown time seconds
Alarm	No indication

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, the alarms, the Hourly Time Signal, the countdown alarm, and stopwatch auto start all operate normally.

To turn the button operation tone on and off

Mute indicator

MON 6-30
10:58₅₀

In any mode (except when a setting screen is on the display), hold down Ⓒ to toggle the button operation tone on (🔊 not displayed) and off (🔇 displayed).
• Holding down Ⓒ to turn the button operation tone on or off also causes the watch's current mode to change.
• The mute indicator is displayed in all modes when the button operation tone is turned off.

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.

World Time

All World Time Mode times are calculated from the current time in the Timekeeping Mode using UTC offset values.
• The seconds count of the World Time is synchronized with the seconds count of the Timekeeping Mode.
• The UTC offset is a value that indicates the time difference between a reference point in Greenwich, England and the time zone where a city is located.

Specifications

Accuracy at normal temperature: ±15 seconds a month
Timekeeping: Hour, minutes, seconds, p.m. (P), month, day, day of the week
Time format: 12-hour and 24-hour
Calendar system: Full Auto-calendar pre-programmed from the year 2000 to 2099
Other: UTC Offset; Daylight Saving Time (summer time)/Standard Time
World Time: 48 cities (29 time zones)
Other: Daylight Saving Time/Standard Time
Alarms: 3 multi-function* alarms (with one snooze alarm);
Hourly Time Signal
* Alarm type: Daily alarm, date alarm, 1-month alarm, monthly alarm
Countdown Timer
Measuring unit: 1 second
Input range: 1 minute to 24 hours (1-minute increments and 1-hour increments)
Other: Auto-repeat timing; Progress beeper

City Code Table

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City Code Table

City Code	City	UTC Offset/ GMT Differential
PPG	Pago Pago	−11
HNL	Honolulu	−10
ANC	Anchorage	−9
YVR	Vancouver	−8
SFO	San Francisco	
LAX	Los Angeles	
DEN	Denver	−7
MEX	Mexico City	−6
CHI	Chicago	
MIA	Miami	−5
NYC	New York	
CCS*1	Caracas	−4
YYT	St John's	−3.5
RIO	Rio De Janeiro	−3
RAI	Praia	−1

City Code	City	UTC Offset/ GMT Differential
LIS	Lisbon	0
LON	London	
BCN	Barcelona	+1
PAR	Paris	
MIL	Milan	
ROM	Rome	
BER	Berlin	
ATH	Athens	+2
JNB	Johannesburg	
IST	Istanbul	
CAI	Cairo	
JRS	Jerusalem	
MOW*2	Moscow	+3
JED	Jeddah	
THR	Tehran	+3.5

City Code	City	UTC Offset/ GMT Differential
DXB	Dubai	+4
KBL	Kabul	+4.5
KHI	Karachi	+5
MLE	Male	
DEL	Delhi	+5.5
DAC	Dhaka	+6
RGN	Yangon	+6.5
BKK	Bangkok	+7
SIN	Singapore	+8
HKG	Hong Kong	
BJS	Beijing	
SEL	Seoul	+9
TYO	Tokyo	
ADL	Adelaide	+9.5
GUM	Guam	+10
SYD	Sydney	

City Code	City	UTC Offset/ GMT Differential
NOU	Noumea	+11
WLG	Wellington	+12

*1 As of December 2013, the official UTC offset for Caracas, Venezuela (CCS) has been changed from −4 to −4.5, but this watch still uses an offset of −4 (the old offset) for CCS.

*2 As of December 2013, the official UTC offset for Moscow, Russia (MOW) has been changed from +3 to +4, but this watch still uses an offset of +3 (the old offset) for MOW. Because of this, you should leave the summer time setting turned on (which advances the time by one hour) for the MOW time.

• This table shows the city codes of this watch.
• The rules governing global times (UTC offset and GMT differential) and summer time are determined by each individual country.