

Operation Guide 3409

Congratulations upon your selection of this CASIO watch.

Bluetooth® is a registered trademark or trademark of Bluetooth SIG, Inc. of the United States.

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Mobile Link Function

This product includes functions that allow it to communicate with Bluetooth® 4.0 (referred to as "Bluetooth" in this manual) capable mobile phones and other devices, to sound an alert tone, perform vibration alert, and display alerts when a phone call and/or mail is received on your phone, etc. (Mobile Link Function)

- This product complies with or has received approval under radio laws in various countries and geographic areas. Use of this product in an area where it does not conform to or where it has not been approved under applicable radio laws may be punishable under local laws. For details, see the separate "List of Countries and Geographic Areas where Product Conforms to Radio Laws or Has Been Approved".
- Use of this product inside of an aircraft is restricted by the aviation laws of each country. Be sure to obey instructions provided by flight personnel concerning use of devices such as this product.
- For Mobile Link operational procedures and a Q&A, go to the website below. CASIO website: <http://world.g-shock.com/ble/guide/>

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◆ **Timer** Page E-38
 The timer counts down from a preset start time, and the watch sounds a tone or vibrates when the countdown reaches zero.

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About this User's Guide

Display Types

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.

• Note that the display style of a watch is fixed. You cannot switch between styles.



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Features

Your watch provides you with the features and functions described below.

- ◆ **Communication with your mobile phone** Visit the **CASIO website**
 Connect with a Bluetooth enabled mobile phone and communicate with it. For more information, visit the "User's Guide for Mobile Link Functions" page at the CASIO website.
- ◆ **World Time** Page E-24
 Instantly view the current time in 100 cities around the globe.
- ◆ **Alarms** Page E-28
 The watch can be configured to sound a tone or vibrate when a preset alarm time is reached.
- ◆ **Stopwatch** Page E-35
 The stopwatch measures elapsed time up to 24 hours in 1/100-second increments.

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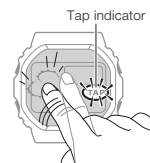
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Tap Operations

The word "tap" in this manual refers to striking the center of watch display with your fingertip.

Example:
 Tap twice to stop an ongoing tone or vibration alert for a watch alarm.

How to tap:
 Lightly strike the watch display twice with the tip of your finger. (double-tap)



Important!

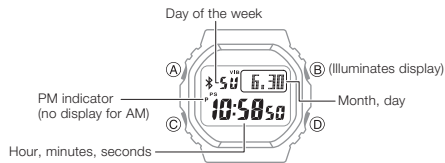
- The tap function is enabled only while the Tap indicator is flashing on the watch display.
- The Tap indicator flashes automatically whenever the tap function is enabled and can be used to stop an incoming call tone/vibration alert on the phone, to stop a watch alarm or time up alert, etc.

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Button Names and Display Indications

Operations on this watch are performed using buttons (A) through (D). The illustration below shows the locations and the meanings of the different buttons and display indicators.

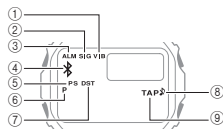
See "Using Modes" (page E-14).



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Display Indicators



Number	Name	Meaning	More Info
①	Vibration indicator	Vibration alert enabled for alarms/timer.	E-50
②	Hourly time signal indicator	Hourly time signal is turned on.	E-32
③	Alarm indicator	Alarm is turned on.	E-32
④	Bluetooth icon	Mobile Link functions enabled.	CASIO website*

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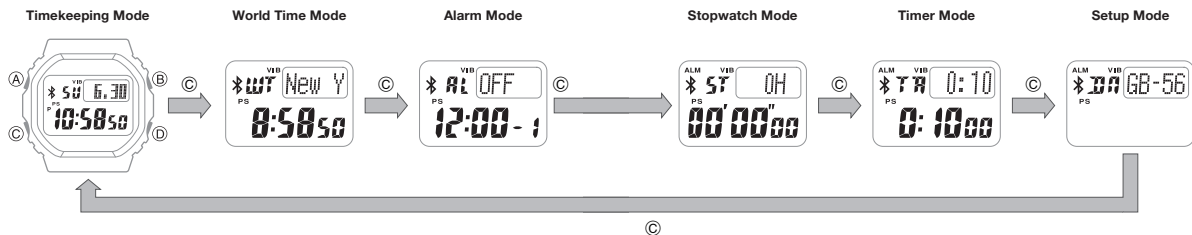
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Number	Name	Meaning	More Info
⑤	Power Saving indicator	Mobile Link functions availability limited to save power.	CASIO website*
⑥	PM indicator	Indicates p.m. times during 12-hour timekeeping.	E-10
⑦	DST indicator	Summer time enabled (time advanced by one hour).	E-26
⑧	Mute indicator	Button operation tone disabled.	E-52
⑨	Tap indicator (flashing)	Double-tap operation is enabled.	E-9

* Visit the "User's Guide for Mobile Link Functions" page of the CASIO website.

Using Modes

Each press of (C) cycles between modes as shown in the illustration below.



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Mode Overview

Mode	Functions	More Info
Timekeeping Mode	<ul style="list-style-type: none"> Current time display Time, date, summer time settings; 12/24-hour display switching Manual time adjustment 	E-14 E-18
World Time Mode	<ul style="list-style-type: none"> Current time in 100 cities (35 time zones) around the globe 	E-24
Alarm Mode	<ul style="list-style-type: none"> Alarm time and on/off settings Hourly time signal on/off 	E-28
Stopwatch Mode	<ul style="list-style-type: none"> Elapsed time measurement 	E-35
Timer Mode	<ul style="list-style-type: none"> Start time settings; countdown 	E-38
Setup Mode	<ul style="list-style-type: none"> For configuring duration, method, and other settings for alerts from the phone Alarm/timer alert method settings 	E-42

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Note

For information about Mobile Link functions, visit the "User's Guide for Mobile Link Functions" page of the CASIO website.

Adjusting the Time Setting

When Mobile Link is enabled, the watch's time and date settings are automatically adjusted to match those of the phone. When Mobile Link is disabled, you should adjust the time and date settings manually.

Configuring Current Time and Date Settings Manually

◆ To configure time and date settings

① In the Timekeeping Mode, hold down (A) for about two seconds until the time zone setting screen appears.



Time zone

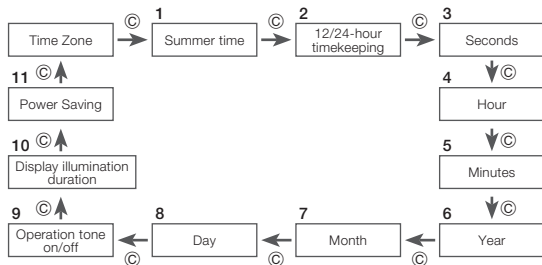
[SET Hold] will appear on the watch display, followed by the time zone setting screen.

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2 Use \odot to select the item whose setting you want to change.

Each press of \odot cycles through available settings in the sequence shown below.



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3 Use \odot and \odot to change the currently selected setting as described below.

Screen	Setting	Operation
UTC + 09:00	Time zone of the city where you will use the watch	Use \odot and \odot .
ON	Summer time on/off	Press \odot .
12H	12-hour (12H)/24-hour (24H) timekeeping switching	Press \odot .
50	Seconds 00-reset • From 30 to 59 seconds, resetting adds 1 to the minute setting.	Press \odot .
10:58	Hour and minutes settings	Use \odot and \odot .
20 13 6, 30	Year, month, day settings	Use \odot and \odot .

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Note

- The numbers in the above diagram indicate how many times you need to press \odot to display each setting.
- Power Saving is a function that saves power by limiting the availability of Mobile Link functions. For more information, visit the "User's Guide for Mobile Link Functions" page at the CASIO website.

Note

Refer to the "City Name List" (back of this manual) to determine the time zone of the city where you will be using the watch.

- Summer time, or Daylight Saving Time (DST) as it is known in some countries, calls for setting clocks ahead one hour from standard time during the summer season. Note that the period during which and the areas where summer time is applied depend on each country. Some countries or geographic areas may not use summer time.
- The DST indicator will be on the display and timekeeping will be advanced by one hour when summer time is turned on.
- The watch's Full Auto Calendar automatically makes adjustments in the day setting to account for different length months and leap year.

4 After all the settings are the way you want, press \odot to return to the Timekeeping Mode.

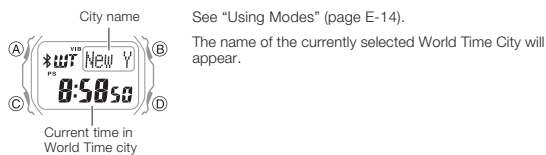
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World Time

World Time lets you display the current time in any one of 100 cities (35 time zones) around the world.

To view the times in other time zones

1 In the Timekeeping Mode, press \odot to enter the World Time Mode.



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2 Use \odot to scroll through the World Time Mode city names.

See "City Name List" (back of this manual).

- Scrolling to a city name displays the current time in that city.
- Holding down \odot scrolls at high speed.
- To display the UTC city name (UTC offset 0), press \odot and \odot at the same time.
- Pressing \odot causes the currently selected city name to scroll across the display from the beginning of the name.

3 To return to the Timekeeping Mode, press \odot five times.

To configure the Summer Time (DST) setting

1 In the World Time Mode, hold down \odot for about two seconds.



DST indicator

Important!

Even when Mobile Link is enabled, you need to turn the summer time (DST) on or off manually for World Time.

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Alarms and Hourly Time Signal

You can set up to five different alarms. When any one of the alarm times is reached the watch will sound an alarm tone or vibrate for about 10 seconds. The hourly time signal causes the watch to sound a tone or vibrate every hour on the hour.

See "f. Alert method for alarm/timer" (page E-50).

To enter the Alarm Mode

1 In the Timekeeping Mode, press \odot twice to enter the Alarm Mode.

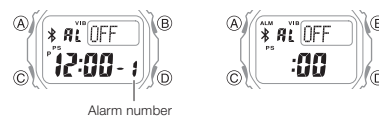
See "Using Modes" (page E-14).

An alarm setting screen (Alarm 1 through Alarm 5, or hourly time signal) will appear.

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Alarm setting screen

Hourly time signal setting screen



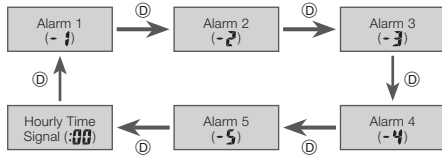
Note

If you do not perform any operation for about two or three minutes while in the Alarm Mode, the watch will automatically return to the Timekeeping Mode.

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To change an alarm setting

- In the Alarm Mode, use **(D)** to select the alarm whose setting you want to change.



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- Use **(A)** to select the alarm type or to toggle the hourly time signal between on and off.

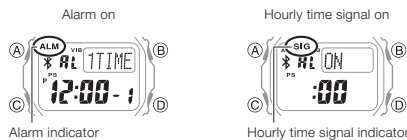
Alarm Types

- OFF** : Alarm does not sound.
- 1 TIME** : Alarm sounds only once at the preset time and does not sound again after that.
- DAILY** : Alarm sounds at the preset time each day.

Hourly time signal

- OFF** : Hourly time signal does not sound.
- ON** : Hourly time signal sounds every hour on the hour.

The Alarm indicator is displayed while an alarm is turned on and while the Hourly time signal indicator is displayed while the hourly time signal is turned on.



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- To change an alarm time setting, hold down **(A)** for about two seconds until the hour digits of the current alarm time start to flash.



[SET Hold] will appear on the display. After that, [SET Hold] will disappear and the hour digits will flash.

- Each press of **(C)** causes the flashing to move between the hour and the minutes digits.

The flashing digits are the ones that are selected.

- Use **(B)** and **(D)** to change the flashing setting, and set the hour and minutes you want.

- Holding down either button scrolls the setting at high speed.
- If you are using 12-hour timekeeping, the PM indicator will appear for times between noon and 11:59 p.m.

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- After all the settings are the way you want, press **(A)** to exit the setting screen.

- To return to the Timekeeping Mode, press **(C)** four times.

To stop a tone/vibration alert operation

- Double-tapping the center of the watch display or pressing any one of the buttons will stop an ongoing tone/vibration alert operation.

To test the alarm

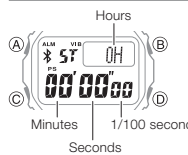
- In the Alarm Mode, hold down **(D)** to perform the tone/vibration alert operations.

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Stopwatch

The stopwatch measures elapsed time in units of 1/100 seconds up to 23 hours, 59 minutes, 59.99 seconds. Elapsed time returns to zero automatically and timing continues from there when the maximum limit is reached.

To enter the Stopwatch Mode



- In the Timekeeping Mode, press **(C)** three times to enter the Stopwatch Mode.

See "Using Modes" (page E-14).

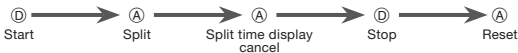
To measure time with the stopwatch

- The following shows button operations for stopwatch operations.

- Elapsed time/cumulative time



- Split time (paused elapsed time reading)



Pressing **(A)** while timing is being performed displays the split time (with [SPLIT] flashing), but elapsed timing continues internally.

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Note

- Once started, elapsed time measurement continues until you press **(D)** to stop it, even if you change to a different mode and even if the stopwatch reaches the elapsed time measurement limit.
- If you change to another mode while a split time is frozen on the display, split time display will be canceled.

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Timer

The timer start time can be set in one-minute increments up to 24 hours. The watch will sound a tone or vibrate for about 10 seconds when the end of the timer countdown is reached.

See "f. Alert method for alarm/timer" (page E-50).

To enter the Timer Mode

- In the Timekeeping Mode, press **(C)** four times to enter the Timer Mode.

See "Using Modes" (page E-14).



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To set the timer start time

- In the Timer Mode, hold down **(A)** for about two seconds.



[SET Hold] will appear on the display. After that, [SET Hold] will disappear and the hours digits will flash.

Note

- If a timer countdown operation is in progress, press **(D)** to stop it and then press **(A)** to reset the timer to its start time before performing the above step.
- If a timer countdown operation is paused, press **(A)** to reset the timer to its start time before performing the above step.

- Each press of **(C)** causes the flashing to move between the hours and the minutes digits.

The flashing digits are the ones that are selected.

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3 Use (B) and (D) to change the hours and minutes settings.

- Holding down either button scrolls the setting at high speed.
- To specify a start time of 24 hours, set the timer to 0:00.

4 After all the settings are the way you want, press (A) to exit the setting screen.

To perform a countdown

The following shows button operations for a countdown.



Note

- A tone/vibration alert is performed for about 10 seconds when the end of the countdown is reached, and the display returns to the screen that was shown before the countdown was started.

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- Even if you exit the Timer Mode while a timer countdown is ongoing, the countdown will continue and the tone/vibration alert operation will be performed when the end of the countdown is reached.

To stop a tone/vibration alert operation

- Double-tapping the center of the watch display or pressing any one of the buttons will stop an ongoing tone/vibration alert operation.

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Setup

You can use the Setup Mode to check Mobile Link information and to configure various option settings. For information about Mobile Link information, visit the "User's Guide for Mobile Link Functions" page of the CASIO website.

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Configuring Option Settings

The items that can be configured as option settings are described below.

	Item	Description
Notification from mobile phone	Alert duration setting	Specifies the alert duration for incoming calls, incoming mail, etc.
	Animation display on/off setting	Turns animation display on or off for incoming calls.
	Alert method setting	Specifies tone and/or vibration for incoming calls, incoming mail, etc.
Alarm/timer	Alert method setting	Specifies tone or vibration for alarms and timer time up alerts.

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1 In the Timekeeping Mode, press (C) five times to enter the Setup Mode.

See "Using Modes" (page E-14).

The Mobile Link information screen will appear.

Note

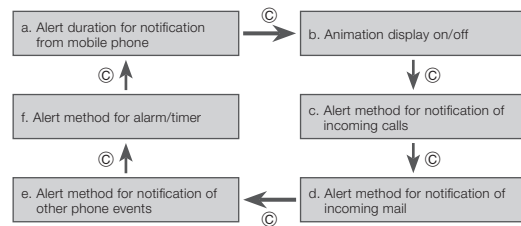
If you do not perform any operation for about two or three minutes while in the Setup Mode, the watch will automatically return to the Timekeeping Mode.

2 In the Setup Mode, hold down (A) for about two seconds.

[SET Hold] will appear on the display. After that, [SET Hold] will disappear and the screen for setting the alert duration for notifications from mobile phone will appear.

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3 Each press of (C) cycles through available settings in the sequence shown below.



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4 Configure option settings for each of the above items.

See "Configuring Option Settings" below for details.

5 After all the settings are the way you want, press (A) to exit the setting screen.

You can press (A) to exit the setting screen from any one of the option setting screens.

6 To return to the Timekeeping Mode, press (C).

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Configuring Option Settings

a. Alert duration for notification from mobile phone

Vibration type



- Press (D) to select an alert duration setting (2 seconds, 3 seconds, 4 seconds).

- You can also use this setting screen to change the vibration type, if you want. Press (B) to select a vibration type (A, b, C).

Note

The vibration type for the alarm and timer is fixed and cannot be change.

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b. Animation display on/off



- Press (D) to toggle animation display between on and off.

Note

Animation is not displayed in the case of alerts other than those for incoming calls.

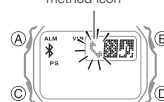
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c. Alert method for notification of incoming calls

d. Alert method for notification of incoming mail

e. Alert method for notification of other phone events

Incoming call alert method icon



- Use (D) to select the alert method.

: Alert by vibration

: Alert by tone

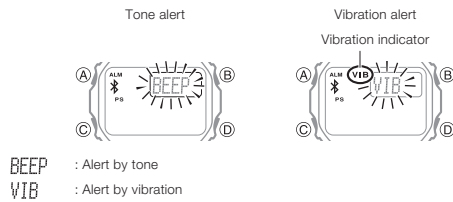
: Alert by vibration and tone

No icon : No alert by either tone or vibration
Alert is by display indication only.

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f. Alert method for alarm/timer

- Use **(D)** to select the alarm/timer alert method.

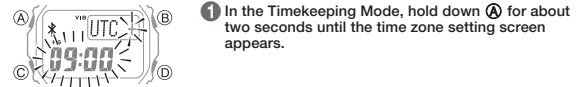


E-50

Button Operation Tone

You can use the procedure below to turn the tone that sounds when you press a button on or off.

To turn the button operation tone on or off

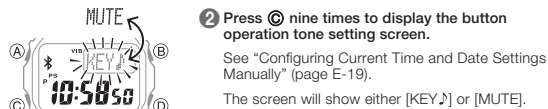


- 1 In the Timekeeping Mode, hold down **(A)** for about two seconds until the time zone setting screen appears.

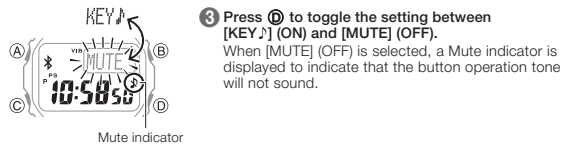
- 4 To return to the Timekeeping Mode, press **(A)**.

Note

The above procedure affects the button operation tone only. The alarm, hourly time signal, and time up alarm are not affected.



- 2 Press **(C)** nine times to display the button operation tone setting screen.
See "Configuring Current Time and Date Settings Manually" (page E-19).
The screen will show either [KEY♪] or [MUTE].



- 3 Press **(D)** to toggle the setting between [KEY♪] (ON) and [MUTE] (OFF).
When [MUTE] (OFF) is selected, a Mute indicator is displayed to indicate that the button operation tone will not sound.

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Illumination

You can use the procedure below to illuminate the display for easy reading in the dark.

To illuminate the display

- Press **(B)** to illuminate the display.

Note

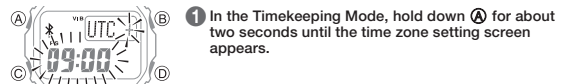
Illumination will turn off automatically if it is on when an alarm alert, incoming call alert, or any alert operation starts.

◆ Light Use Precautions

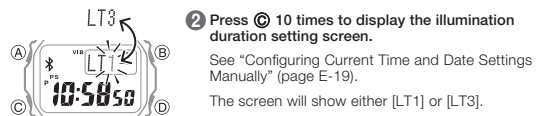
Frequent use of the light can shorten battery life.

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To specify the illumination duration



- 1 In the Timekeeping Mode, hold down **(A)** for about two seconds until the time zone setting screen appears.



- 2 Press **(C)** 10 times to display the illumination duration setting screen.
See "Configuring Current Time and Date Settings Manually" (page E-19).
The screen will show either [LT1] or [LT3].

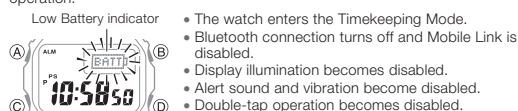
- 3 Press **(D)** to toggle the illumination duration setting between [LT1] (1.5 seconds) and [LT3] (3 seconds).

- 4 To return to the Timekeeping Mode, press **(A)**.

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The following describes how display of the low battery indicator affects watch operation.



Note

Repeated use of Mobile Link functions, display illumination, tone/vibration alert, or other functions over a short period can result in a momentary drop in battery voltage. This can cause temporary display of the low battery indicator and limited availability of some watch functions.

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Low Battery Indication

A low battery indicator appears on the display when battery voltage drops below a certain level. Availability of some functions becomes limited while the low battery indicator is displayed. If the low battery indicator remains on the display, have the battery replaced as soon as possible.

Note

For information about battery life guidelines and supported battery types, see the product specifications.

See "Specifications" (page E-59).

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Specifications

Accuracy at normal temperature	: ±15 seconds a month
Basic Functions	: Hour, minutes, seconds; a.m./p.m. (P); 12/24-hour timekeeping format; Month, day, day of the week; Full auto calendar (2000 to 2099); Summer time setting
World Time	: Current time in 100 cities (35 time zones) + UTC (Universal Coordinated Time) time display; Summer time setting
Alarms and Hourly Time Signal	: Alarms Daily or one-time alarms: 5 Setting units: Hour, minute Tone or vibration alert: 10 seconds Hourly time signal Beeps or vibrates every hour on the hour

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Stopwatch : Measuring unit: 1/100 second
 Measuring capacity: 23:59'59.99" (24 hours)
 Measurement functions: Elapsed time, cumulative time, split times

Countdown Timer : Countdown unit: 1 second
 Countdown range: 24 hours
 Setting unit: 1 minute
 Time up alert: 10-second tone or vibration

Mobile Link Functions : Time Correction
 Auto correction/manual correction
 Alert
 Tone and/or vibration alert for incoming calls, incoming mail, etc.
 Phone finder
 Watch operation sounds the alert sound of the mobile phone.

Data Communication Specifications
 Bluetooth® v4.0 (Bluetooth® low energy technology compatible)
 Data rate: 1 Mbps
 Transmission output: 0 dBm (1 mW)
 Communication range: 2 meters max. (depends on environment)
 Encryption: 128 bit AES

Other : Low battery alert; Auto return to Timekeeping Mode; Power Saving;
 Vibration alert; Tap function; High-brightness LED light; Selectable illumination duration; Operation tone on/off

Battery : One lithium battery (Type: CR2032)

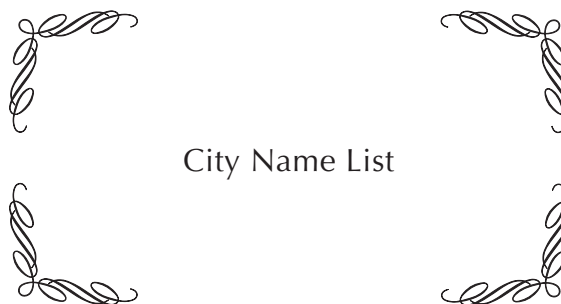
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Approximate Battery Life : 2 years
 Usage Conditions

- Mobile Link operation: 12 hours/day
- Incoming call alert: 3 times (tone and vibration for 2 seconds)/day
- Incoming mail, other alerts: 10 times (tone only for 2 seconds)/day
- Illumination: Once (1.5 seconds)/day
- Alarm: Once (tone only for 10 seconds)/day

Approximate battery life can be shortened by more frequent operation.



City Name List

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L-1

City Name List

City Name	Time Zone	City Name	Time Zone	City Name	Time Zone
(UTC)		Frankfurt		Helsinki	
Reykjavik	0	Oslo	+1	Istanbul	+2
Lisbon		Rome		Kyiv	
Casablanca		Copenhagen		Cairo	
London		Berlin		Jerusalem	
Madrid	+1	Stockholm	+2	Moscow*	+3
Paris		Warsaw		Addis Ababa	
Algiers		Budapest		Jeddah	
Brussels		Cape Town		Tehran	
Amsterdam	+1	Sofia	+2	Dubai	+4
Zurich		Athens		Kabul	+4.5

L-2

L-3

City Name	Time Zone	City Name	Time Zone	City Name	Time Zone
Chihuahua	-7	Kingston	-5	Rio de Janeiro	-3
Denver		Philadelphia		Fernando de Noronha	-2
Mexico City	-6	Bogota	-4	Praia	-1
Winnipeg		New York			
Dallas		Boston			
Houston		Caracas		-4.5	
Guatemala City	-5	Santiago	-4		
Chicago		La Paz			
Atlanta	-5	San Juan	-3.5		
Havana		Halifax			
Toronto		St. John's			
Lima		Buenos Aires		-3	
Washington DC		Montevideo			

L-4

L-5

Note

- The above list shows the city names of this watch.
- If you will use the watch in a city that is not included in the City Name List, select a city name that is in the same time zone as your city.
- Time zones in the above list are in accordance with Coordinated Universal Time (UTC).

* In June 2012, the time offsets of the cities listed below were changed by +1 hour. Note that this watch does not reflect this change and it uses the former offsets of these cities.

When using this watch in the cities below, always leave the summer time setting ON in order to advance the time by one hour.

Moscow
 Novosibirsk
 Vladivostok