

Operation Guide 5472

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

General Guide.....	E-4
Timekeeping.....	E-6
World Time.....	E-13
Alarms.....	E-15
Countdown Timer.....	E-21
Stopwatch.....	E-24
Adjusting Hand Positions.....	E-26
Reference.....	E-28
Specifications.....	E-34

E-1

Procedure Lookup

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

- To toggle the Timekeeping Mode time between DST and Standard Time..... E-11
- To turn on illumination..... E-12
- To view the time for another city code..... E-13
- To toggle a city code time between Standard Time and Daylight Saving Time..... E-14
- To set an alarm time..... E-16
- To test the alarm..... E-18
- To turn an alarm on and off..... E-19
- To turn the hourly time signal on and off..... E-20
- To configure the countdown timer..... E-22
- To use the countdown timer..... E-23

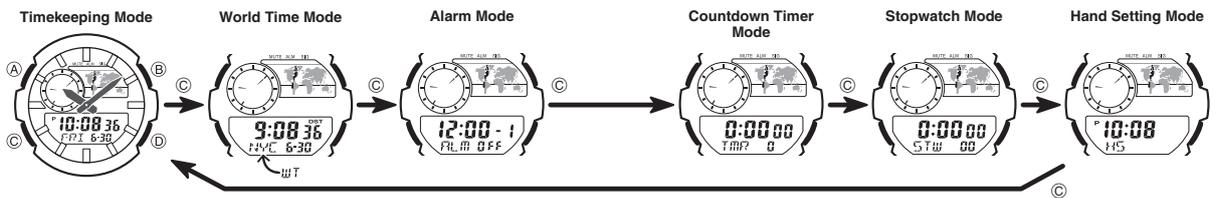
E-2

- To measure times with the stopwatch..... E-25
- To turn the button operation tone on and off..... E-30

E-3

General Guide

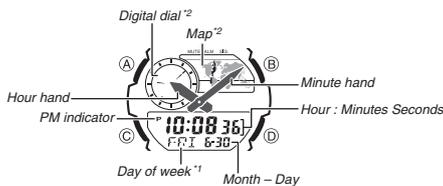
- Press (C) to change from mode to mode.
- In any mode (except when a setting screen is on the display), press (B) to illuminate the display.



E-4

E-5

Timekeeping



This mode shows the current time and date in the selected Home City.

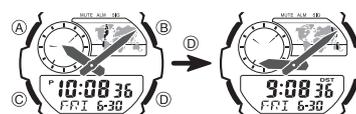
- Pressing (D) switches to World Time (page E-13) information. About two seconds after you press (D), the display will return to Home City information.

E-6

- Hold down (D) for about two seconds to swap the Home City and World Time City.

Example

Home City: TYO
World Time City: NYC



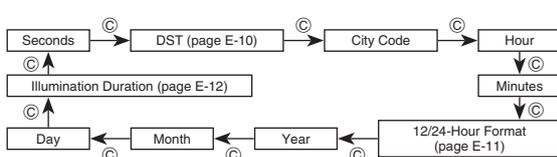
*1 Pressing (A) switches to the city code of the currently selected Home City. About two seconds after you press (A), the day of the week reappears.

*2 The digital dial and map show World Time (page E-13) information. For details, see "Map and Digital Dial" (page E-29).

E-7

Changing the Current Home City Time and Date Settings

- Hold down (A) until the seconds start to flash, which indicates the setting screen.
- Press (C) to move the flashing in the sequence shown below to select other settings.



E-8

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

Screen	To do this:	Do this:
36	Reset the seconds to 00.	Press (D).
DST OFF	Toggle between Daylight Saving Time (ON) and Standard Time (OFF).	Press (D).
TYO	Change the city code.*	Use (D) (east) and (B) (west).
10:08	Change the hour or minutes.	Use (D) (+) and (B) (-).
12H	Toggle between 12-hour (12H) and 24-hour (24H) timekeeping.	Press (D).
20 17	Change the year.	Use (D) (+) and (B) (-).
6-30	Change the month or day.	Use (D) (+) and (B) (-).
1.5	Toggle the setting between 1.5 seconds (1.5) and 3 seconds (3).	Press (D).

E-9

* For full information about city codes, see the "City Code Table" at the back of this manual.

- Press (A) to exit the setting screen.
- The hour hand, minute hand, and day of the week change in accordance your 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.

To toggle the Timekeeping Mode time between DST and Standard Time



DST indicator

- Hold down (A) until the seconds start to flash, which indicates the setting screen.
 - Press (C) to display the DST setting screen.
 - Press (D) to toggle between Daylight Saving Time (DST displayed) and Standard Time (STFF displayed).
 - Press (A) to exit the setting screen.
- The DST indicator appears on the Timekeeping screen to indicate that Daylight Saving Time is turned on.

12/24-Hour Format

- With the 12-hour format, the PM (P) indicator appears 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.

E-10

E-11

- The 12-hour/24-hour timekeeping format you select in the Timekeeping Mode is applied in all other modes.

Illumination

An LED (light-emitting diode) illuminate the display for easy reading in the dark.

Illumination Precautions

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

To turn on illumination

- In any mode (except when a setting screen is on the display), press (B) to turn on illumination.
- You can use the procedure above to select either 1.5 seconds or 3 seconds as the illumination duration. When you press (B), the illumination will remain on for about 1.5 seconds or 3 seconds, depending on the current illumination duration setting.

E-12

E-13

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



DST indicator

- In the World Time Mode, use (D) (east) to display the city code (time zone) whose Standard Time/Daylight Saving Time setting you want to change.
- Hold down (A) for about two seconds to toggle Daylight Saving Time (DST displayed) and Standard Time (DST 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.
 - Note that you cannot switch between Standard Time and Daylight Saving Time while UTC is selected as the city code.

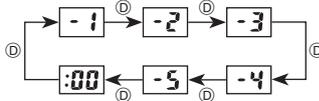
E-14

E-15

To set an alarm time



- After you select an alarm, hold down (A) until the hour setting of the alarm time starts to flash, which indicates the setting screen.
 - This operation turns on the One-time Alarm automatically.



E-16

Alarms

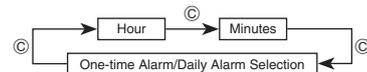
Alarm on indicator



Alarm time (Hour : Minutes)

- Your watch has a total of five alarms, each of which you can configure as a daily alarm or one-time alarm.
- Daily Alarm: Sounds at the preset time each day.
 - One-time Alarm: Sounds once at the preset time and then is disabled automatically.
- You can also turn on an hourly time signal that causes the watch to beep twice every hour on the hour.
- All of the operations in this section are performed in the Alarm Mode, which you enter by pressing (C) (page E-4).
 - Alarms operate in coordination with the current Home City Time.

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



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

Screen	To do this:	Do this:
12:00	Change the hour and minutes.	Use (D) (+) and (B) (-). • With the 12-hour format, set the time correctly as a.m. or p.m. (PM (P) indicator).
1 - ON / ON	Toggle between One-time Alarm and Daily Alarm.	Press (D). One-time Alarm on: 1 - ON Daily Alarm on: ON

- Press (A) 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.

- 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 test the alarm

In the Alarm Mode, hold down (D) to sound the alarm.

To turn an alarm on and off

- In the Alarm Mode, use (D) to select an alarm.
- Press (A) to cycle through the alarm settings as shown below.



- In all modes, the alarm on indicator is shown for the alarm that is currently turned on.
- The alarm on indicator flashes while the alarm is sounding.

E-18

E-19

To turn the hourly time signal on and off

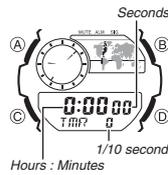
Hourly time signal on indicator



- In the Alarm Mode, use (D) to select the hourly time signal.
- 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.

E-20

Countdown Timer



The countdown timer can be set within a range of one second to 24 hours. An alarm sounds when the countdown reaches zero.

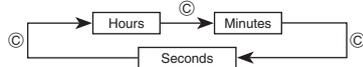
- All of the operations in this section are performed in the Countdown Timer Mode, which you enter by pressing (C) (page E-5).

E-21

To configure the countdown timer



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



- When the setting you want to change is flashing, use (D) (+) and (B) (-) to change the flashing item.
 - To specify a countdown start time of 24 hours, set 24:00:00.
- Press (A) to exit the setting screen.

E-22

To use the countdown timer

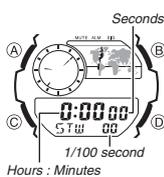


Press (D) while in the Countdown Timer Mode to start the countdown timer.

- When the end of the countdown is reached, the alarm sounds for ten seconds or until you stop it by pressing any button. The countdown time is reset to its starting value automatically when the alarm sounds.
- Press (D) while a countdown operation is in progress to pause it. Press (D) again to resume the countdown.
- To stop a countdown operation completely, first pause it (by pressing (D)), and then press (A). This returns the countdown time to its starting value.

E-23

Stopwatch



The stopwatch lets you measure elapsed time, split times, and two finishes.

- 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 (C) (page E-5).

E-24

To measure times with the stopwatch

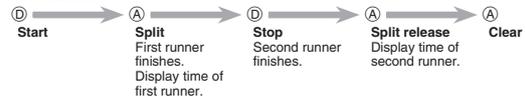
Elapsed Time



Split Time

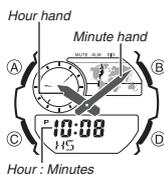


Two Finishes



E-25

Adjusting Hand Positions



The watch hands can go out of alignment with the time on the digital display if it is exposed to strong magnetism or impact. If this happens, you should adjust the hand positions.

- All of the operations in this section are performed in the Hand Setting Mode, which you enter by pressing (C) (page E-5).

Important!

- You do not need to perform the operation below as long as the analog hands indicate the same time as the digital display.

- In the Hand Setting Mode, hold down (A) for about one second.
 - This will cause the displayed hour and minutes to start to flash. This is the setting screen.

E-26

- Use (D) (+) to change the hour hand and minute hand positions so they match the digital time.
 - Holding down (D) moves the hands clockwise at high speed.
 - While holding down (D) to move the hands at high speed, press (B) to lock the hands in high speed movement. To stop locked high-speed hand movement, press any button.
- After the hands are the way you want, press (A) to exit the setting screen.

E-27

Reference

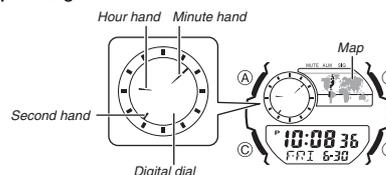
This section contains more detailed and technical information about watch operation. It also contains important precautions and notes about the various features and functions of this watch.

Analog Hands (Hour, Minute)

In all modes, the hands indicate the Home City hour and minute.

E-28

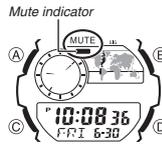
Map and Digital Dial



- Map: In all modes, the map shows the current World Time City time zone.
 - Note however that the map shows the current Home City time zone while the Timekeeping Mode setting screen (page E-8) is displayed.
- Digital dial: In all modes, segments indicate the current World Time hour, minute, and second.

E-29

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, and the countdown alarm all operate normally.

To turn the button operation tone on and off

In any mode (except when a setting screen is on the display), hold down (C) to toggle the button operation tone on (the mute indicator not displayed) and off (the mute indicator displayed).

- Holding down (C) 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.

E-30

Auto Return Features

- If you leave the watch in the Alarm Mode or Hand Setting 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

You can use the (B) and (D) buttons to scroll data on setting screens. 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.

E-31

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

- The seconds count of the World Time is synchronized with the seconds count of the Timekeeping Mode.
- All World Time Mode times are calculated from the current Home City Time in the Timekeeping Mode using UTC time offset values.
- 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.

- 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.

E-32

E-33

Specifications

Accuracy at normal temperature: ±30 seconds a month

Digital Timekeeping: Hour, minutes, seconds, p.m., 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: Daylight Saving Time (summer time)/Standard Time

Analog Timekeeping: Hour, minutes

World Time: 48 cities (31 time zones) and Coordinated Universal Time
Other: Standard Time/Daylight Saving Time (summer time);
Home City/World Time City swapping

Alarms: 5 alarms (One-time or Daily), hourly time signal

Countdown Timer

Measuring unit: 1/10 second
Input range: 1 second to 24 hours (1-second increments, 1-minute increments and 1-hour increments)

Stopwatch

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

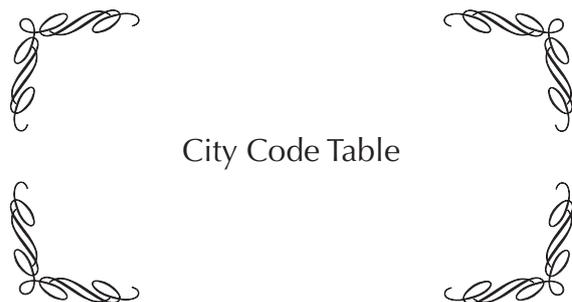
Illumination: LED (light-emitting diode); Selectable illumination duration

Other: Button operation tone on/off

Battery: One lithium battery (Type: CR2016)
Approximately 5 years on type CR2016; 10 seconds of alarm operation,
1.5 seconds of illumination per day

E-34

E-35



City Code Table

L-1

City Code Table

City Code	City	UTC Offset/ GMT Differential
PPG	Pago Pago	-11
HNL	Honolulu	-10
ANC	Anchorage	-9
YVR	Vancouver	-8
LAX	Los Angeles	-8
YEA	Edmonton	-7
DEN	Denver	-7
MEX	Mexico City	-6
CHI	Chicago	-6
NYC	New York	-5
YHZ	Halifax	-4
YYT	St. Johns	-3.5
SCL	Santiago	-3
RIO	Rio De Janeiro	-3
FEN	Fernando de Noronha	-2

L-2

City Code	City	UTC Offset/ GMT Differential
RAI	Praia	-1
UTC		
LIS	Lisbon	0
LON	London	
MAD	Madrid	
PAR	Paris	
ROM	Rome	
BER	Berlin	+1
STO	Stockholm	
ATH	Athens	
CAI	Cairo	+2
JRS	Jerusalem	
MOW	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
DEL	Delhi	+5.5
KTM	Kathmandu	+5.75
DAC	Dhaka	+6
RGN	Yangon	+6.5
BKK	Bangkok	+7
SIN	Singapore	
HKG	Hong Kong	+8
BJS	Beijing	
TPE	Taipei	
SEL	Seoul	+9
TYO	Tokyo	+9
ADL	Adelaide	+9.5

City Code	City	UTC Offset/ GMT Differential
GUM	Guam	+10
SYD	Sydney	+11
NOU	Noumea	+11
WLG	Wellington	+12

- This table shows the city codes of this watch.
- Based on data as of January 2016.
- The rules governing global times (UTC offset and GMT differential) and summer time are determined by each individual country.

L-3