Operation Guide 5398

CASIO®

ENGLISH

Congratulations upon your selection of this CASIO watch.

E-1

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.
- Note that the product illustrations in this manual are intended for reference only, and so the actual product may appear somewhat different than depicted by an illustration.

Things to check before using the watch

1. Check the Home City and the daylight saving time (DST) setting.

Use the procedure under "To configure Home City settings" (page E-18) to configure your Home City and daylight saving time settings.

Important!

 Proper World Time Mode data depend on correct Home City, time, and date settings in the Timekeeping Mode. Make sure you configure these settings correctly.

2. Set the current time.

• See "Adjusting the Digital Time and Date Settings" (page E-21).

The watch is now ready for use.

E-2

E-3

E-5

Contents

About This Manual	E-2
Things to check before using the watch	E-3
Mode Reference Guide	E-9
TimekeepingE	-17
Configuring Home City Settings	-18
Adjusting the Digital Time and Date Settings	

E-4

	To set an alarm time	4
	To test the alarm	5
	To turn an alarm and the Hourly Time Signal on and off	δ
	To stop the alarm	3
Cou	ıntdown Timer	7
	To enter the Countdown Timer Mode	7
	To configure the countdown timer	8
	To perform a countdown timer operation	8
	To stop the alarm	Э
llui	minationE-4	1
	To turn on illumination manually	1
	To change the illumination duration	2
	To enable or disable the auto light switch	5
-6		

. E-2
. E-2
.E-2
. E-3
. E-3
. E-3
. E-3
.E-3
. E-3

Adjusting Hand Positions	. E-4
Button Operation Tone To turn the button operation tone on and off	
Troubleshooting	. E-5
Main Indicators	. E-5

1

Mode Reference Guide

The mode you should select depends on what you want to do.

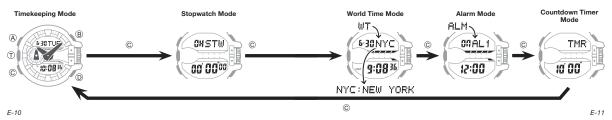
<u> </u>			
To do this:	Enter this mode:	See:	
View the current date in the Home City Configure Home City and daylight saving time (DST) settings Configure time and date settings	Timekeeping Mode	E-17	
Use the stopwatch to measure elapsed time	Stopwatch Mode	E-25	
View the current time in one of 48 cities (31 time zones) around the globe	World Time Mode	E-29	
Set an alarm time	Alarm Mode	E-33	
Use the countdown timer	Countdown Timer Mode	E-37	

E-8 E-9

Selecting a Mode

- Press © to cycle between the modes as shown below.
 To return to the Timekeeping Mode from any other mode, hold down © for about
- In any mode (except a setting mode), press (B) to illuminate the display.

 If the timer in the Countdown Timer Mode is stopped and reset to the countdown start time, you can also go directly from the Timekeeping mode to the Countdown Timer Mode by rotating the rotary switch or pressing ①. For more information, see "Directly Entering the Countdown Timer Mode from the Timekeeping Mode" (page E-40).



General Functions (All Modes)

The functions and operations described in this section can be used in all modes

Auto Return Features
 The watch will automatically return to the Timekeeping Mode if you do not perform any operation for a certain amount of time, as described below.

Mode	Approximate Elapsed Time
Alarm	
Time or other setting mode (information flashing on the display)	3 minutes
Countdown Timer Mode (entered from the Timekeeping Mode by rotating the rotary switch)	10 seconds

Rotary switch Operations

Important!



- With this watch, you do not need to pull out the rotary switch before rotating it. Pulling on the rotary switch can damage the watch and cause malfunction.
- To protect against unintended operation, nothing happens for the first rotary switch rotation. Continue rotating the rotary switch until the desired operation is performed. If you do not perform any rotary switch operation for about three minutes, you will need to rotate the rotary switch as described above before it operates again.
- Note that the result of a rotary switch operation depends on the mode the watch is
- Note that the result of a rotary switch operation depends on the mode the wat in when you perform it.

 You can use rotary switch rotation to perform the operations described below.

 Timekeeping: Enter the Countdown Timer Mode
 (when the countdown timer is stopped and reset to all zeros)

 World Time: Change the World Time City
- Alarm: Scroll through the available alarm screens

· Quickly rotating the rotary switch three times in either direction will start high-speed movement (hand movement or displayed setting scrolling) in the corresponding direction (forward or back). To stop a high-speed operation, rotate the rotary switch in the direction opposite that of the current high-speed movement, or press

Moving the Hands Out of the Way for Better Viewing

You can use the procedure below to temporarily move the hour and minute hands out of the way to better view what is on the display.

This operation can be performed in any mode. In the case of a setting mode (setting flashing on the screen), the hands will move out of the way automatically,

even if you do not perform the below operation.

- 1. While holding down B, press C.
 - This will cause the hour and minute hands to move to a location where they do not block your view of the digital display. Example: When the current time is 8:23

6-30 TUE 6-30 YUE 8:53

2. Holding down (B) again as you press (C) will cause the hands to return to their normal positions (normal timekeeping).

E-14 E-15

Note

- Watch button functions are the same regardless of whether the hands are moved out of the way or at their normal positions.
 Changing to another mode will cause the hands to move back to their normal
- The hands also will move back to their normal positions automatically if no operation is performed for about one hour.

Timekeeping

Use the Timekeeping Mode to set and view the current time and date.



Configuring Home City Settings

There are two Home City settings: actually selecting the Home City, and selecting either standard time or daylight saving time (DST).

To configure Home City settings



- In the Timekeeping Mode, hold down (A) until the flashing **Hold** indicator disappears from the display and the currently selected city code appears on the right side of the upper display.
- This indicates the city code setting mode.
- Rotate the rotary switch to scroll through city codes on the digital display until the one you want to use as your Home City is displayed.
 - For details about city codes, see the "City Code Table" at the back of this manual.

3. After the setting is the way you want, press ${\textcircled{A}}$ to return to the Timekeeping

- After you specify a city code, the watch will use UTC* offsets in the World Time Mode to calculate the current time for other time zones based on the current time in your Home City.
 *Coordinated Universal Time, the world-wide scientific standard of timekeeping. The reference point for UTC is Greenwich, England.

F-18 F-19

Operation Guide 5398

CASIO

To change the Daylight Saving Time (summer time) setting



- In the Timekeeping Mode, hold down (a) until the flashing Hold indicator disappears from the display and the currently selected city code appears on the right side of the upper display.
 - . This indicates the city code setting mode.
- 2. Press \circledcirc to display the DST setting mode.
- Rotate the rotary switch to toggle between Daylight Saving Time (ON) and Standard Time (OFF).
 Note that you cannot switch between daylight saving time and standard time while UTC is selected as your Home City.
- After the setting is the way you want, press (a) to return to the Timekeeping Mode.
 The DST indicator appears to indicate that Daylight
 - Saving Time is turned on.

Adjusting the Digital Time and Date Settings

Use the procedure below to adjust the digital time and date settings.

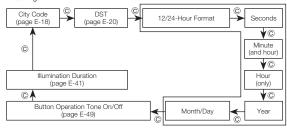
To configure the digital time and date settings



- In the Timekeeping Mode, hold down (A) until the flashing Hold indicator disappears from the display and the currently selected city code appears on the right side of the upper display.
 - . This indicates the city code setting mode.

F-20 F-21

2. Press © to move the flashing in the sequence shown below to select the other



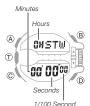
3. When the timekeeping setting you want to change is flashing, perform the operation described below.

Screen	To do this:	Do this:	
12H	Toggle between 12-hour (12H) and 24-hour (24H) timekeeping	Rotate the rotary switch.	
36	Reset the seconds to 00	Press (D).	
* 10:08	Change the hour or minute		
20 15	Change the year	Rotate the rotary switch.	
6-30	Change the month or day		

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

- Resetting the seconds to 00 while the current count is in the range of 30 to 59
- 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.
 While the "Minute (and hour)" setting is selected above, the hour setting will change automatically whenever you move the minute setting past midnight.
 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.
 The day of the week changes automatically when the date changes.

Using the Stopwatch



The stopwatch measures elapsed time, split times, and

The display range of the stopwatch is 23 hours, 59 minutes, 59.99 seconds.

To enter the Stopwatch Mode

Use © to select the Stopwatch Mode as shown on page E-10.

E-24 E-25

To perform an elapsed time operation





E-26

- The Stopwatch Mode can indicate elapsed time up to 23 hours, 59 minutes, 59 seconds.
- Once started, stopwatch timing continues until you press ① to stop it, even if you exit the Stopwatch Mode to another mode and even if timing reaches the stopwatch limit defined above.

 Exiting the Stopwatch Mode while a split time is frozen on the display clears the
- split time and returns to elapsed time measurement.

Auto-Start
With Auto-Start, you can configure the stopwatch to perform a countdown and start elapsed time measurement automatically when the countdown reaches zero.

- Set a countdown length in the range of one to 60 seconds before using Auto-Start.
 Auto-Start is disabled automatically after the stopwatch elapsed time operation it started is complete.
- . If you do not want to use a countdown, select STW for the countdown value.
- During the final three seconds of the countdown, a beeper sounds with each second.



- While the stopwatch screen is showing all zeros in the Stopwatch Mode, rotate the rotary switch to set the number of countdown seconds (or **STW** for no countdown).
- 2. Press T to start the countdown.
- When the countdown reaches zero, a tone sounds and a stopwatch timing operation starts automatically.
 Pressing ① while the Auto-Start countdown is in progress immediately starts the stopwatch.

Checking the Current Time in a Different Time Zone



You can use the World Time Mode to view the current

- You can use the World Time Mode to view the current time in one of 31 time zones (48 cities) around the globe. The city that is currently selected in the World Time Mode is called the "World Time City".

 The hour and minute hands indicate information for the currently selected Home City.

 When you enter the World Time Mode, the currently selected city code and city name scroll once across the digital display. After that, the city code remains displayed. This same scrolling operation is also performed whenever you change the World Time City to a different city or when you press ①.

F-28 F-29

Operation Guide 5398

CASIO

To enter the World Time Mode

Use © to select the World Time Mode as shown on page E-11.

To view the time in another time zone

In the World Time Mode, rotate the rotary switch to change the city code setting \bullet To display the UTC city code (differential 0), hold down D.

To specify standard time or daylight saving time (DST) for a city

- In the World Time Mode, rotate the rotary switch to display the city code (time zone) whose Standard Time/Daylight Saving Time setting you want to change.
- 2. Hold down (A) for about two seconds.
- Hold down (a) for about two seconds.

 This toggles the city code you selected in step 1 between Daylight Saving Time (DST indicator displayed) and standard time (DST indicator not displayed).

 Note that you cannot switch between standard time/daylight saving time (DST) while UTC is selected as the World Time City.
- The standard time/daylight saving time (DST) setting affects only the currently displayed city. Other cities are not affected.

F-30 F-31

To swap your Home City and World Time City In the World Time Mode, hold down ① for at least This will swap your Home City and World Time City ast three seconds.

Example: To swap the Home City (TYO) and World Time City (NYC)



World Time City (NYC) time

New World Time City (TYO)

Using the Alarm

6-30NYC

9:0836

(T)



You can set five independent daily alarms. When a daily alarm is turned on, an alarm tone will sound for about 10 seconds each day when the time in the Timekeeping Mode reaches the preset alarm time. One of the alarms is a snooze alarm, while the other four are one-time alarms. The snooze alarm operation will repeat every five minutes, up to seven times. You can also turn on an Hourly Time Signal, which will cause the watch to beep twice every hour on the hour.

To enter the Alarm Mode

Use © to select the Alarm Mode as shown on page E-11.

- The snooze alarm screen is indicated by SNZ, while the other alarm screens are numbered AL1 through AL4. The Hourly Time Signal screen is indicated by SIG.
 When you enter the Alarm Mode, the data you were viewing when you last exited the mode appears first.

To set an alarm time



In the Alarm Mode, rotate the rotary switch to scroll through the alarm screens until the one whose setting you want to change is displayed.



2. Hold down (A) for about two seconds until the alarm time starts to flash. This is

- Press © to move the flashing to the setting you want to change.
 When both the hour and minute setting is flashing: the hour sett automatically as you change the minute setting in the next step.
 - . When just the hour setting is flashing: just the hour setting will change in the
- Rotate the rotary switch to change the currently flashing setting.
 When setting the alarm time using the 12-hour format, take care to set the time correctly as a.m. (no indicator) or p.m. (P indicator).
- 5. Press (A) to exit the setting mode.

To test the alarm

In the Alarm Mode, hold down ① to sound the alarm.

E-34 E-35

To turn an alarm and the Hourly Time Signal on and off



In the Alarm Mode, rotate the rotary switch to select an alarm or the Hourly Time Signal.

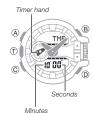
- alarm or the Hourly Time Signal.

 When the alarm you want or the Hourly Time Signal is displayed, press ① to toggle it between on ("Off" displayed) and off ("Off" displayed).

 The alarm on indicator (when any alarm is on), snooze alarm indicator (when the snooze alarm is on), and the Hourly Time Signal on indicator (when the Hourly Time Signal is on) are shown on the display in all modes.

To stop the alarm Press any button.

Countdown Timer



The countdown timer can be set within a range of one minute to 60 minutes. An alarm sounds when the countdown reaches zero. When the end of the countdown is reached, the timer starts to count up and continues timing up to 60 minutes.

To enter the Countdown Timer Mode

Use © to select the Countdown Timer Mode as shown on page E-11.

E-37

To configure the countdown timer

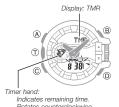


- 1. Rotate the rotary switch to adjust the minutes setting.
 - If a countdown timer operation is in progress, press

 to stop it and then press to to reset to the current starting time.
 - If a countdown timer operation is paused, press (D) to reset to the current starting time.

To perform a countdown timer operation





Countdown Complete



F-38 F-39 Before starting a countdown timer operation, check to make sure that a countdown operation is not in progress (indicated by the seconds counting down). If it is, press $\widehat{\mathbb{T}}$ to stop it and then $\widehat{\mathbb{D}}$ to reset to the countdown start time.

To stop the alarm Press any button.

Directly Entering the Countdown Timer Mode from the Timekeeping Mode

- While the Countdown Timer is stopped and reset to the countdown start time, you
 can use the operations below to directly enter the Countdown Timer Mode from the Timekeeping Mode.
- ne I imekeeping Mode.

 In the Timekeeping Mode, rotate the rotary switch. If you do not change the Countdown Timer start time setting within about 10 seconds, the watch will automatically return to the Timekeeping Mode.

 In the Timekeeping Mode, press ©). This will enter the Countdown Timer Mode and start a countdown operation from the currently set start time.

Illumination

The display of the watch is illuminated for easy reading in the dark. The watch's auto light switch turns on illumination automatically when you angle the watch towards your face.

The auto light switch must be turned on (page E-45) for it to operate.

To turn on illumination manually

Press (B) in any mode to illuminate the display.

- You can use the procedure below to select either 1.5 seconds or three seconds as
- the illumination duration.

 The above operation turns on illumination regardless of the current auto light switch setting.

F-40 F-41

- To change the illumination duration

 1. In the Timekeeping Mode, hold down (A) until the flashing Hold indicator disappears from the display and the currently selected city code appears on the right side of the upper display.
- 2. Press © nine times to display the illumination duration setting screen.
- The current illumination duration setting (1 or 3) will be flashing in the middle
- See the sequence in step 2 of the procedure under "To configure the digital time and date settings" (page E-21) for information about how to scroll through setting
- 3. Rotate the rotary switch to toggle the illumination duration between three seconds (3 displayed) and 1.5 seconds (1 displayed).
- 4. After all the settings are the way you want, press (A) to exit the setting screen.

About the Auto Light Switch

Enabling the auto light switch causes illumination to turn on, whenever you position your wrist as described

Moving the watch to a position that is parallel to the ground and then tilting it towards you more than 40 degrees causes illumination to turn on.



 Always make 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 running 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.

 When you are wearing the watch, make sure that its auto light switch is disabled before riding on a bicycle or operating a motorcycle or any other motor vehicle. Sudden and unintended operation of the auto light switch can create a distraction, which can result in a traffic accident and serious

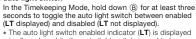
Note

The auto light switch is always disabled, regardless of its on/off setting, when any one of the following conditions exists.

While an alarm is sounding While a hand shift operation is in progress

To enable or disable the auto light switch

E-30 TUE



in all modes while the auto light switch is enabled

- . The LED that provides illumination loses power after
- very long use.

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

F-44 E-45

Auto light switch precautions



- Illumination may not turn on if the face of the watch is more than 15 degrees above or below parallel. Make sure that the back of
- your hand is parallel to the ground.

 Leaving auto light enabled can run down the watch's battery due to frequent display illumination.
- Static electricity or magnetic force can interfere with proper Static electricity or magnetic force can interier 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 towards your face again. If this does not work, drop your arm all the way down so it hangs at your side, and then bring it back up again.
- 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.
 To protect against running down the battery, auto light switch operation automatically disables approximately six hours after you enable it.

Adjusting Hand Positions

10:08 36

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

Important!

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



- 1. Hold down (A) for about five seconds until Sub
- . This indicates the timer hand adjustment mode
- 2. If the timer hand is not at 12 o'clock, rotate the rotary switch to adjust it until it is.



3. Press ©

- This enters the hour and minute hand adjustment mode.
 Press © again* to enter the timer hand adjustment
- mode.
- * Nothing will happen if you press © while the hands are moving.
- 4. If the hour and minute hands are not at 12 o'clock, rotate the rotary switch to adjust them until they are.
- 5. Press (A) to return to the Timekeeping Mode. Check to make sure that the time indicated by the hands matches the time on the digital display. If the times don't match, perform the correction procedure above again.

Button Operation Tone



You can turn the button operation tone on or off as

Signal, and other beepers all operate normally.

To turn the button operation tone on and off

- In the Timekeeping Mode, hold down (a) until the flashing Hold indicator disappears from the display and the currently selected city code appears on the right side of the upper display.
- Press © eight times to display the button operation tone On/Off screen (page E-22).
 The screen will show either KEY♪ or MUTE.

F-48 F-49

- 3. Rotate the rotary switch to toggle the setting between KEY (ON) and MUTE
- 4. After all the settings are the way you want, press (A) to exit the setting screen.

Troubleshooting

Time Setting

■ The current time setting is off by hours.

Your Home City setting may be wrong (page E-18). Check your Home City setting and correct it, if necessary.

■ The current time setting is off by one hour.

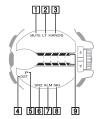
You may need to change your Home City's standard time/daylight saving time (DST) setting. Use the procedure under "Adjusting the Digital Time and Date Settings" (page E-21) to change the standard time/daylight saving time (DST) setting.

■ The time for my World Time City is off in the World Time Mode.

This could be due to incorrect switching between standard time and daylight saving time. See "To specify standard time or daylight saving time (DST) for a city" (page E-31) for more information.

F-50 F-51

Main Indicators



Number	Name	See
1	Mute indicator	E-49
2	Auto light switch enabled indicator	E-45
3	Hands shifted indicator	E-15
4	DST indicator	E-20, E-31
5	PM indicator	E-17
6	Snooze alarm on indicator	E-36
7	Alarm indicator	E-34
8	Hourly time signal on indicator	E-36
9	Graphic	E-53

GraphicThe graphic flashes in each mode as described below

Mode	Flashing
Timekeeping	
World Time Mode	Seconds of current time
Alarm Mode	
Stopwatch Mode	1/10 seconds of elapsed time measurement
Countdown Timer Mode	Seconds of countdown

• The graphic also flashes immediately after you change from one mode to another.

Specifications

Accuracy at normal temperature: ±15 seconds a month

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

week

week
Time format: 12-hour and 24-hour
Calendar 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 (summer time)

Analog Timekeeping: Hour, minutes (hand moves every 20 seconds)

Stopwatch:

Measuring unit: 1/100 second

weasuring unit: 1/100 second
Measuring capacity: 23:59' 59.99"
Measuring modes: Elapsed time, split time, two finishes, Auto Start
World Time: 48 cities (31 time zones)
Other: Daylight Saving Time/Standard Time; Home City/World Time City
switching

Alarms: 5 Daily alarms (four one-time alarms; one snooze alarm); Hourly time signal Countdown Timer: Measuring unit: 1 second

Countdown range: 60 minutes
Countdown start time setting range: 1 to 60 minutes (1-minute increments) Elapsed time: 60 minutes

Illumination: LED (light-emitting diode); Selectable illumination duration (approximately 1.5 seconds or 3 seconds); Auto Light Switch

Other: Button operation tone on/off; Moving the Hands to View the Digital Display

Power Supply: Two silver oxide batteries (Type: SR927W)
Approximate battery operating time: 3 years under the following conditions:
1 illumination operation (1.5 seconds) per day
Alarm: 10 seconds/day

Frequent use of illumination runs down the battery.

E-54 E-55









City Code Table

Oity Codo Table		
City Code	City name	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] -/
MEX	MEXICO CITY	-6
CHI	CHICAGO	-0
NYC	NEW YORK	-5
SCL	SANTIAGO	-4
YHZ	HALIFAX	-4
YYT	ST. JOHN'S	-3.5
RIO	RIO DE JANEIRO	-3
FEN	F. DE NORONHA	-2

City Code	City name	UTC Offset/ GMT Differential
RAI	PRAIA	-1
UTC		
LIS	LISBON	0
LON	LONDON	1
MAD	MADRID	T
PAR	PARIS	1
ROM	ROME	+1
BER	BERLIN	1
STO	STOCKHOLM	1
ATH	ATHENS	1
CAI	CAIRO	+2
JRS	JERUSALEM	1
MOW*	MOSCOW	+3
JED	JEDDAH	+3
THR	TEHRAN	+3.5

City Code	City name	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	+0
TPE	TAIPEI	
SEL	SEOUL	+9
TYO	TOKYO	1 +9
ADL	ADELAIDE	+9.5
GUM	GUAM	+10
SYD	SYDNEY	+10

City Code	City name	UTC Offset/ GMT Differential
NOU	NOUMEA	+11
WIG	WELLINGTON	+12

- * 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
- 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.