CASIO

Getting Acquainted

Congratulations upon your selection of this CASIO watch. To get the most out of your purchase, be sure to read this manual carefully.

• Be sure to keep all user documentation handy for future reference.



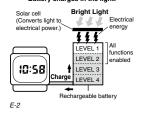
The electricity generated by the solar cell of the watch is stored by a rechargeable battery. Leaving or using the watch where it is not exposed to light causes the battery to run down. Make sure the watch is exposed to light as

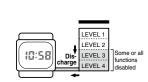
- or uniform. Make sure the watch is exposed to light as much as possible.

 When you are not wearing the watch on your wrist, position the face so it is pointed at a source of bright
- You should try to keep the watch outside of your sleeve as much as possible. Charging is reduced significantly if the face is covered only partially.

The watch continues to operate, even when it is not exposed to light. Leaving the
watch in the dark can cause the battery to run down, which will result in some watch
functions to be disabled. If the battery goes dead, you will have to re-configure watch
settings after recharging. To ensure normal watch operation, be sure to keep it
exposed to light as much as possible.

Battery charges in the light. Battery discharges in the dark.





The actual level at which some functions are disabled depends on the watch model.
Frequent display illumination can run down the battery quickly and require charging. The following guidelines give an idea of the charging time required to recover from a single illumination operation.

Approximately 5 minutes exposure to bright sunlight coming in through a window

Approximately 8 hours exposure to indoor fluorescent lighting
Be sure to read "Power Supply" (page E-49) for important information you need to know when exposing the watch to bright light.

If the display of the watch is blank...

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

See "Power Saving Function" (page E-66) for more information.

Note that CASIO COMPUTER CO., LTD. assumes no responsibility for any damage or loss suffered by you or any third party arising through the use of your watch or its malfunction.

E-3

About This Manual

- 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.

 To ensure that this watch provides you with the years of service for which it is designed, be sure to carefully read and follow the instructions under "Operating Precautions" and "User Maintenance."





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

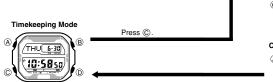
To specify your Home City	E-11
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To turn the Hourly Time Signal on and off To measure times with the stopwatch To configure the countdown timer To use the countdown timer To illuminate the display manually To turn the auto light switch on and off E-48 To set the time and date manually To change the Daylight Saving Time (summer time) setting To turn the button operation tone on and off ... To recover from the sleep state To turn Power Saving on and off

World Time Mode

General Guide

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



-ALM -WT AL1 (3) 38 8:58sc Countdown Timer Mode Stopwatch Mode A STW OH

Alarm Mode

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Radio-controlled Atomic Timekeeping

This watch receives a time calibration signal and updates its time setting accordingly. This watch is designed to pick up the time calibration signals transmitted in Germany (Mainflingen), England (Anthorn), the United States (Fort Collins), China (Shangqiu), and Japan (Fukushima, Fukuoka/Saga).

Current Time Setting

This watch adjusts its time setting automatically in accordance with a time calibration signal. You also can perform a manual procedure to set the time and date, when

- signal. You also can perform a manual procedure to set the time and date, when necessary.

 The first thing you should do after purchasing this watch is to specify your Home City (the city where you normally will use the watch). For more information, see "To specify your Home City" (page E-11).

 When using the watch outside the areas covered by the time signal transmitters, you will have to adjust the current time setting manually as required. See "Timekeeping" (page E-57) for more information about manual time settings.

The U.S. time calibration signal can be picked up by the watch while in North America. The term "North America" in this manual refers to the area that consists of Canada, the continental United States, and Mexico.

To specify your Home City



y

1. In the Timekeeping Mode, hold down (A) until the city code starts to flash, which indicates the setting screer 2. Press (B) (east) and (B) (west) to select the city code you want to use as your Home City.

LIS, LON: Lisbon, London

MAD, PAR, ROM, BER, STO: Madrid, Paris,

Deeps, Butter, Steelbesley

Rome, Berlin, Stockholm : Athens : Moscow

ATH : Athens
MOW : Moscow
HKG, BJS, TPE : Hong Kong, Beijing, Taipei
SEL, TYO : Seoul, Tokyo
HNL : Honolulu
Anchorage

F-10 F-11

YVR, LAX: Vancouver, Los Angeles YEA, DEN: Edmonton, Denver MEX, CHI: Mexico City, Chicago NYC: New York YHZ: Haliflax YYT: St.Johns

- YYT : St.Johns

 3. Press (a) to exit the setting screen.

 Normally, your watch should show the correct time as soon as you select your Home City code. If it does not, it should adjust automatically after the next auto receive operation (in the middle of the night), You also can perform manual receive (page E-25) or you can set the time manually (page E-58).

 The watch will receive the time calibration signal automatically from the applicable transmitter (in the middle of the night) and update its settings accordingly. For information about the relationship between city codes and transmitters, see page E-16 and "Transmitters" (page E-69).

 See the maps under "Approximate Reception Ranges" (page E-17) for information about the reception ranges of the watch.

You can disable time signal reception, if you want. See "To turn auto receive on and off" on page E-27 for more information.

Under factory default settings, auto receive is turned off for all of the following city codes: MOW (Moscow), HNL (Honolulu), and ANC (Anchorage). For details about turning on auto receive for these city codes, see "To turn auto receive on and off" on page E-27.

Time Calibration Signal ReceptionThere are two different methods you can use to receive the time calibration signal: auto receive and manual receive.

Auto Receive

With auto receive, the watch receives the time calibration signal automatically up to 6 times a day (5 times a day for the Chinese calibration signal). When any auto receive is successful, the remaining auto receive operations are not performed. For more information, see "About Auto Receive" (page E-20).

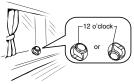
among buildings

 Manual Receive
 Manual receive lets you start a time calibration receive operation with the press of a button. For more information, see "To perform manual receive" (page E-25)

Important!

• When getting ready to receive the time calibration signal, position the watch as

- the poorby illustration, with its 12 o'clock side pointing towards a wind shown in the nearby illustration, with its 12 o'clock side pointing towards a window. This watch is designed to receive a time calibration signal late at night. Because of this, you should place the watch near a window as shown in the lustration when you take it off at night. Make sure there are no metal objects nearby.



Make sure the watch is facing the right way.

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Proper signal reception can be difficult or even impossible under the conditions listed



appliances, office site, airport, or other equipment, sources of or a mobile electrical phone noise

tension power lines

Signal reception normally is better at night than during the day.
 Time calibration signal reception takes from two to seven minutes, but in some cases it can take as long as 14 minutes. Take care that you do not perform any button operations or move the watch during this time.

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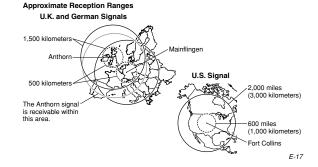
The time calibration signal the watch will attempt to pick up depends on its current Home City code setting as shown below.

Home City Code	Transmitter	Frequency
LIS, LON, MAD, PAR, ROM,	Anthorn (England)	60.0 kHz
BER, STO, ATH, MOW*	Mainflingen (Germany)	77.5 kHz
HKG, BJS	Shangqiu City (China)	68.5 kHz
TPE. SEL. TYO	Fukushima (Japan)	40.0 kHz
IPE, SEL, IYO	Fukuoka/Saga (Japan)	60.0 kHz
HNL*, ANC*, YVR, LAX, YEA, DEN, MEX, CHI, NYC, YHZ, YYT	Fort Collins, Colorado (the United States)	60.0 kHz

- The areas covered by the HNL, ANC, and MOW city codes are guite far from the time calibration signal transmitters, and so certain conditions may cause prot with signal reception.

 Calibration signal reception is disabled while a countdown timer operation is in
- progress

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- Signal reception may not be possible at the distances noted below during certain times of the year or day. Radio interference also may cause problems with reception. Mainflingen (Germany) or Anthorn (England) transmitters: 500 kilometers
- Maintingen (Germany) or Annorn (England) transmitters: 500 kilometers (310 miles)
 Fort Collins (United States) transmitter: 600 miles (1,000 kilometers) Fukushima or Fukuoka/Saga (Japan) transmitters: 500 kilometers (310 miles)
 Shangqiu (China) transmitter: 1,500 kilometers (910 miles)
 Even when the watch is within the reception range of the transmitter, signal reception will be impossible if the signal is blocked by mountains or other geological formations between the watch and signal source.
- Signal reception is affected by weather, atmospheric conditions, and seasonal
- changes. See the information under "Signal Reception Troubleshooting" (page E-29) if you experience problems with time calibration signal reception.

About Auto Receive
The watch receives the time calibration signal automatically up to 6 times a day (5 times a day for the Chinese calibration signal). When any auto receive is successful, the remaining auto receive operations are not performed. The reception schedule (calibration times) depends on your currently selected Home City, and whether standard time or Daylight Saving Time is selected for your Home City.

Your Home City		Auto Receive Start Times					
	Tour nome city	1	2	3	4	5	6
LIS LON	Standard Time Daylight Saving Time	1:00 am 2:00 am	2:00 am 3:00 am	3:00 am 4:00 am	4:00 am 5:00 am	5:00 am Midnight*	Midnight* 1:00 am*
MAD PAR ROM BER STO	Standard Time Daylight Saving Time	2:00 am 3:00 am	3:00 am 4:00 am	4:00 am 5:00 am	5:00 am Midnight*	Midnight* 1:00 am*	1:00 am* 2:00 am*
ATH	Standard Time Daylight Saving Time	3:00 am 4:00 am	4:00 am 5:00 am	5:00 am Midnight*	Midnight* 1:00 am*	1:00 am* 2:00 am*	2:00 am* 3:00 am*
MOW	Standard Time Daylight Saving Time	4:00 am 5:00 am	5:00 am Midnight*	Midnight* 1:00 am*	1:00 am* 2:00 am*		3:00 am* 4:00 am*

Year Here City		Auto Receive Start Times					
	Your Home City	1	2	3	4	5	6
HKG BJS	Standard Time and Daylight Saving Time	1:00 am	2:00 am	3:00 am	4:00 am	5:00 am	
TPE SEL TYO	Standard Time	Midnight	1:00 am	2:00 am	3:00 am	4:00 am	5:00 am
HNL ANC YVR LAX YEA DEN MEX CHI NYC YHZ YYT	Standard Time and Daylight Saving Time	Midnight	1:00 am	2:00 am	3:00 am	4:00 am	5:00 am

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- Note

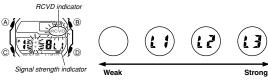
 When a calibration time is reached, the watch will receive the calibration signal only if it is in either the Timekeeping Mode or World Time Mode. Reception is not performed if a calibration time is reached while you are configuring settings.

 Auto receive of the calibration signal is designed to be performed early in the morning, while you sleep (provided that the Timekeeping Mode time is set correctly). Before going to bed for the night, remove the watch from your wrist, and put it in a location where it can receive the signal easily.

 The watch receives the calibration signal for two to seven minutes everyday when the time in the Timekeeping Mode reaches a calibration time. Do not perform any button operation within seven minutes before or after the calibration times. Doing so can interfere with correct calibration.

 Remember that reception of the calibration signal depends on the current time in the Timekeeping Mode. The receive operation will be performed whenever the displaye shows any one of the calibration times, regardless of whether or not the displayed
- shows any one of the calibration times, regardless of whether or not the displayed time actually is the correct time.

About the Signal Strength Indicator
The signal strength indicator shows the strength of the calibration signal being received. For best reception, be sure to keep the watch in a location where signal strength is strongest. The signal strength indicator is displayed while an auto or manual receive operation is in progress.



• Even in an area where signal strength is strong, it takes about 10 seconds for signal reception to stabilize enough for the signal strength indicator to indicate signal

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- Use the signal strength indicator as a guide for checking signal strength and for finding the best location for the watch during signal receive operations.
 Following reception of the time calibration signal and calibration of the watch's time setting, the RCVD indicator will remain on the display in all modes. The RCVD
- setting, the RCVD indicator will remain on the display in all modes. The RCVD indicator will not be displayed if signal reception was unsuccessful or after you adjust the current time setting manually.

 The RCVD indicator is displayed only when the watch is able to receive both time and date data successfully. It does not appear when only time data is received.

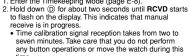
 The RCVD indicator indicates that at least one of the auto calibration signal receive operations was successful. Note, however, that the RCVD indicator disappears from the display each day when the first auto receive operation of the day is performed.

To perform manual receive Enter the Timekeeping Mode (page E-8).

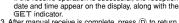


Receive successful

GET 6-30



If the receive operation is successful, the reception



- After manual receive is complete, press ① to return to normal timekeeping.
 The watch also will return to normal timekeeping if you do not perform any button operation for about one or

Receive failed

E-24



If there was a previously successful reception

- If the last recention fails but a previous recention was
- If the last reception fails but a previous reception was successful, an indicator (RCVD) will be on the display.
 Following the ERR (receive failed) display, the watch will return to normal timekeeping without changing the time setting if you press (D) or if you do not perform any button operation for one or two minutes.

· To interrupt a receive operation and return to normal

To turn auto receive on and off



On/Off status

- In the Timekeeping Mode, press ① to display the latest successful receive time and date screen (page E-28). 2. Hold down ② until the current auto receive setting (CR or CFF) starts to flash. This is the setting screen.
- Note that the setting screen will not appear if the currently selected Home City is one that does not support time calibration reception.
- D to toggle auto receive on () and off
- (CFF).

 4. Press (a) to exist the setting screen.

 For information about city codes that support signal receive, see "To specify your Home City" (page E-11).

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To check the latest signal reception results



Press (i) to view the latest successful receive time and date. Press (ii) again to return to the previous screen.

The watch will return to the previous screen automatically if you do not perform any operation for one or two minutes.

Signal Reception Troubleshooting

Check the lollowing	brieck the following points whenever you experience problems with signal reception.				
Problem	Probable Cause	What you should do			
Cannot perform manual receive.	The watch is not in the Timekeeping Mode. Your current Home City is not one of the following: LIS, LON, MAD, PAR, ROM, BER, STO, ATH, MOW, HKG, BJS, TPE, SEL, TYO, HNL, ANC, YYR, LAX, YEA, DEN, MEX, CHI, NYC, YHZ, or YYT A countdown timer operation is in progress.	Enter the Timekeeping Mode and try again. Select LIS, LON, MAD, PAR, ROM, BER, STO, ATH, MOW, HKG, BJS, TPE, SEL, TYO, HNL, ANC, YVR, LAX, YEA, DEN, MEX, CHI, NYC, YHZ, or YYT as your Home City (page E-11). Enter the Countdown Timer Mode and stop the countdown. (page E-42)			

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Problem	Probable Cause	What you should do
Auto receive is turned on, but the RCVD indicator does not appear on the display.	You changed the time setting manually. The DST setting was changed manually. You pressed a button while signal receive was in progress. Even if receive is successful, the RCVD indicator will disappear from the display each day when the first auto receive operation of the day is performed.	Perform manual signal receive or wait until the next auto signal receive operation is performed. Check to make sure the watch is in a location where it can receive the signal (page E-14).

Problem	Probable Cause	What you should do
Auto receive is turned on, but the RCVD indicator does not appear on the display.	Time data (hour, minutes, seconds) only was received during the last receive operation. The RCVD indicator appears only when time data and date data (year, month, day) are both received.	Perform manual signal receive or wait until the next auto signal receive operation is performed. Check to make sure the watch is in a location where it can receive the signal (page E-14).
Time setting is incorrect following signal reception.	If the time is one hour off, the DST setting may be incorrect. The Home City code setting is not correct for the area where you are using the watch.	Change the DST setting to Auto DST (page E-62). Select the correct Home City code (page E-11).

• For further information, see "Important!" (page E-14) and "Radio-controlled Atomic ekeeping Precautions" (page E-68)

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World Time



World Time shows the current time in 48 cities (31 time

- World Time shows the current time in 48 cities (31 time cones) around the world.

 The times kept in the World Time Mode are synchronized with the time being kept in the Timekeeping Mode. If you feel that there is an error in any World Time Mode time, check to make sure you have the correct city selected as your Home City. Also check to make sure that the current time as shown in the Timekeeping Mode is correct.

 Select a city code in the World Time Mode to display the current time in any particular time zone around the globe. See the "City Code Table" at the back of this manual for information about the UTC differential
- manual for information about the UTC differential settings that are supported.

All of the operations in this section are performed in the World Time Mode, which
you enter by pressing © (page E-9).

To view the time in another city
While in the World Time Mode, press ① (eastward) to scroll through the city codes (time zones).

• Pressing (D) and (B) at the same time will jump to the UTC time zone.



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

 1. In the World Time Mode, press ① to display the city code (time zone) whose Standard Time/Daylight Saving Time setting you want to change.

 2. Hold down ② to toggle between Daylight Saving Time (DST indicator in timicator displayed) and Standard Time (DST indicator not displayed).

 The DST indicator is shown on the World Time Mode screen while Daylight Saving Time is turned on.

 Note that the Standard Time/Daylight Saving Time setting affects only the currently displayed city code.

 - Note that the standard Intel-Daylight Saving 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.

Alarms



The Alarm Mode gives you a choice of five daily alarms, one of which is a snooze alarm.

- one of which is a snooze alarm.
 Also use the Alarm Mode to turn the Hourly Time Signal
 (S I S) on and off.

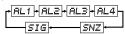
 The snooze alarm screen is indicated by STAZ, while
 the other alarm screens are numbered FIL. I through
 FIL I. The Hourly Time Signal screen is indicated by 5 I G
- All of the operations in this section are performed in the Alarm Mode, which you enter by pressing © (page E-9).

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To set an alarm time



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



- To set an alarm time, display the applicable alarm screen (Fil. 1 through Fil. 4, or
- To set an adam time, display the applicable alarm screen (Fiz. Turrough Fiz. STAZ).

 The snooze alarm operation repeats every five minutes.
 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 alarm automatically.

 Press (b) to move the flashing between the hour and minute settings.
- 4. While a setting is flashing, press ① (+) and ⑧ (-) to change it.

 With the 12-hour format, set the time correctly as a.m. or p.m. (P indicator).
- 5. Press (A) to exit the setting screen.

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- 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-38).

 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 operations below during a 5-minute interval between snooze alarms cancels the current snooze alarm operation.

 Displaying the Timekeeping Mode setting screen (page E-58)

 Displaying the SNZ setting screen (page E-36)

To test the alarm In the Alarm Mode, hold down ① to sound the alarm

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To turn an alarm on and off



- In the Alarm Mode, press (D) to select an alarm.
- 1. In the Alarm Mode, press ① to Serect and December 2. Press ③ to toggle it on and off.

 Turning on an alarm (RL1, RL2, RL3, RL4 or SNZ) displays the alarm on indicator on its Alarm Mode
- screen.
 In all modes, the alarm on indicator is shown for any alarm that currently is turned on.
 The alarm on indicator flashes while the alarm is
- The snooze alarm indicator flashes while the snooze alarm is sounding and during the 5-minute intervals



- Hourly time signal

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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.

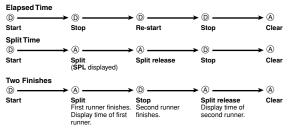
 The stopwatch continues to run, restarting from zero after it reaches its limit, until you stop it.

 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.
- Exturing the Stopwartch 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 Stopwartch Mode, which you enter by pressing © (page E-9).

To measure times with the stopwatch



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Countdown Timer



You can set the countdown timer within a range of one minute 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 © (page E-9).

The countdown end beeper lets you know when the countdown reaches zero. The beeper stops after about 10 seconds or when you press any button.

To configure the countdown times



- No united

 1. 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.

 If the countdown start time is not displayed, use the procedure under "To use the countdown timer" (page E-44) to display it.

 2. Press ③ to move the flashing between the hour and minute settings.

 3. When a setting is flashing, use ⑥ (+) and ⑧ (-) to chance it.
- change it
- To specify a countdown start time of 24 hours, set
- 4. Press (A) to exit the setting screen.



To use the countdown timer

Press
while in the Countdown Timer Mode to start the

- Press (①) 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 (②) while a countdown operation is in progress to pause it. Press (③) again to resume the countdown.

 To stop a countdown operation completely, first pause it (by pressing (③)), and then press (④). This returns the countdown time to its starting value.

Illumination



This watch has an EL (electro-luminescent) panel that causes the entire display to glow 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 (indicated by the auto light switch on indicator) for it to operate.

 See "illumination Precautions" (page E-72) for other important information about using illumination.

To illuminate the display manually
In any mode (except when a setting screen is on the display), press (® to turn on illumination.

The above operation turns on illumination regardless of

the current auto light switch setting

E-44 E-45

 You can use the procedure below to select either 1.5 seconds or 3 seconds as the illumination duration. When you press (a), the illumination will remain on for about 1.5 seconds or 3 seconds, depending on the current illumination duration setting.



- ation duration

 1. In the Timekeeping Mode, hold down (a) until the display contents start to flash. This is the setting screen.

 2. Press (a) 10 times until the current illumination duration
 - setting (LT1 or LT∃) appears.
 - 3. Press ① to toggle the setting between LT1 (approximately 1.5 seconds) and LT3 (approximately
 - 3 seconds).

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

About the Auto Light Switch

Turning on the auto light switch causes illumination to turn on, whenever you position your wrist as described below in any mode. Note that this watch features a "Full Auto EL Light", so the auto light switch operates only when available light is below a certain level. It does not turn on the backlight under bright light.

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.

• Wear the watch on the outside of your wrist.



- 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
- Also take care that sudden infilmination 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 turned off before riding 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

To turn the auto light switch on and off In the Timekeeping Mode, hold down (B) for about three seconds to toggle the auto light switch on (auto light switch on indicator displayed) and off (auto light switch on indicator not displayed).

The auto light switch on indicator is on the display in all modes while the auto light switch is turned on.

Power Supply

This watch is equipped with a solar cell and a rechargeable battery that is charged by the electrical power produced by the solar cell. The illustration shown below shows how you should position the watch for charging.

Example: Orient the watch so its face is

- Example: Orient the watch so its face is pointing at a light source.
 The illustration shows how to position a watch with a resin band.
 Note that charging efficiency drops when any part of the solar cell is blocked by all this part of the solar cell is blocked by
- any part of the solid local is browned by clothing, etc.

 You should try to keep the watch outside of your sleeve as much as possible. Charging is reduced significantly if the face is covered only partially.







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CASIO

- Storing the watch for long periods in an area where there is no light or wearing it in such a way that it is blocked from exposure to light can cause rechargeable battery power to run down. Be sure that the watch is exposed to bright light whenever
- power to run down. be sure that the water to suppossible.

 This watch uses a rechargeable battery to store power produced by the solar cell, so regular battery replacement is not required. However, after very long use, the rechargeable battery may lose its ability to achieve a full charge. If you experience problems getting the rechargeable battery to charge fully, contact your dealer or CASIO distributor about having it replaced.

 Never try to remove or replace the watch's rechargeable battery yourself. Use of the
- Never try to remove or replace the watchs rechargeable battery yourself. Use of the wrong type of battery can damage the watch.
 The current time and all other settings return to their initial factory defaults whenever battery power drops to Level 5 (pages E-51 and E-52) and when you have the battery replaced.
 Turn on the watch's Power Saving function (page E-66) and keep it in an area normally exposed to bright light when storing it for long periods. This helps to keep the rechargeable battery from going dead
- the rechargeable battery from going dead.

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Battery Power Indicator and Recover Indicator

The battery power indicator on the display shows you the current status of the rechargeable battery's power.



's powe	r.	
Level	Battery Power Indicator	Function Status
1	L =M =H	All functions enabled.
2	L.M.H	All functions enabled.
3	Charge Soon Alert)	Auto and manual receive, illumination, and beeper disabled.
4	SCHG LIMIH	Except for timekeeping and the CHG (charge) indicator, all functions and display indicators disabled.
5	LIMIH	All functions disabled.

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- The flashing LOW indicator at Level 3 tells you that battery power is very low, and that exposure to bright light for charging is required as soon as possible.

 At Level 5, all functions are disabled and settings return to their initial factory defaults. Once the battery reaches Level 2 after falling to Level 5, reconfigure the current time, date, and other settings.

 The watch's Home City code setting will change automatically to TYO (Tokyo) whenever the battery drops to Level 5. With this Home City code setting, the watch is configured to receive the time calibration signals of Japan. If you are using the watch in North America or Europe, or China you will need to change the Home City code setting to match your location whenever the battery drops to Level 5.

 Display indicators reappear as soon as the battery is charged from Level 5 to Level 2.

 Leaving the watch exposed to direct sunlight or some other very strong light source can cause the battery power indicator to show a reading temporarily that is higher than the actual battery level. The correct battery level should be indicated after a few minutes.



Performing illumination, or beeper operations during a short period may cause the recover indicator to appear on the display.

After some time, battery power will recover and the

recover indicator will disappear, indicating that the above

recover indicator win disappear, indicating that the au-functions are enabled again.

If the recover indicator appears frequently, it probably means that remaining battery power is low. Leave the watch in bright light to allow it to charge.

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Charging Precautions
Certain charging conditions can cause the watch to become very hot. Avoid leaving the watch in the areas described below whenever charging its rechargeable battery. Also note that allowing the watch to become very hot can cause its liquid crystal display to black out. The appearance of the LCD should become normal again when the watch returns to a lower temperature.

Warning!

warning:
Leaving the watch in bright light to charge its rechargeable battery can cause it
to become quite hot. Take care when handling the watch to avoid burn injury.
The watch can become particularly hot when exposed to the following
conditions for long periods.

On the dashboard of a car parked in direct sunlight

- Too close to an incandescent lamp
 Under direct sunlight

Charging Guide
The following table shows the amount of time the watch needs to be exposed to light each day in order to generate enough power for normal daily operations

Exposure Level (Brightness)	Approximate Exposure Time
Outdoor Sunlight (50,000 lux)	5 minutes
Sunlight Through a Window (10,000 lux)	24 minutes
Daylight Through a Window on a Cloudy Day (5,000 lux)	48 minutes
Indoor Fluorescent Lighting (500 lux)	8 hours

- For details about the battery operating time and daily operating conditions, see the "Power Supply" section of the Specifications (page E-76).
 Stable operation is promoted by frequent exposure to light.

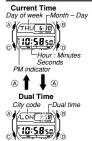
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Recovery Times
The table below shows the amount exposure that is required to take the battery from one level to the next.

Exposure Level	Approximate Exposure Time				
(Brightness)	Level 5 Level 4 Level 3		Level 2	Level 1	
Outdoor Sunlight (50,000 lux)		2 hours		20 hours	6 hours
Sunlight Through a Window (10,000 lux)	8 hours		98 hours	27 hours	
Daylight Through a Window on a Cloudy Day (5,000 lux)		15 hours		199 hours	53 hours
Indoor Fluorescent Lighting (500 lux)		169 hours			

 The above exposure time values are all for reference only. Actual required exposure times depend on lighting conditions.

Timekeeping



Press the (a) button to toggle the upper display between the day of the week and date, and the currently selected World Time city and time (Dual Time). Use the Timekeeping Mode to set and view the current time and date.

Read This Before You Set the Time and Date!

This watch is preset with a number of city codes, each of Inis watch is preset with a number of city codes, each of which represents the time zone where that city is located. When setting the time, it is important that you first select the correct city code for your Home City (the city where you normally use the watch). If your location is not included in the preset city codes, select the preset city code that is in the same time zone as your location.

Note that all of the times for the World Time Mode city codes (page E-32) are displayed in accordance with the time and date settings you configure in the Timekeeping Mode

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To set the time and date manually

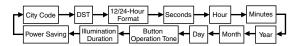


- 1. In the Timekeeping Mode, hold down (A) until the city 1. In the Timekeeping Mode, not down (a) until the city code starts to flash, which indicates the setting screen.
 2. Press (i) and (ii) to select the city code you want.

 • Make sure you select your Home City code before changing any other setting.

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

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



The following steps explain how to configure timekeeping settings only. 4. When the timekeeping setting you want to change is flashing, press ① or ⑧ to change it as described below.

Screen:	To do this:	Do this:
TYO	Change the city code	Press (D) (east) and (B) (west).
OFF	Cycle between Auto DST (FILITI), Daylight Saving Time (ON) and Standard Time (OFF).	Press D.
1 2 H	Toggle between 12-hour (1 ≥H) and 24-hour (24H) timekeeping	Press D.
50	Reset the seconds to 00	Press D.
*10:58	Change the hour and minutes	Press (D) (+) and (B) (-).

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Screen:	To do this:	Do this:
20 22 6-30		Press (D) (+) and (B) (-).
MUTE/KEYJA	Toggle the button operation tone between KEY in (on) and MIITE (off)	Press D.
LT1	Toggle the illumination duration between LT1 (approximately 1.5 seconds) and LT3 (approximately 3 seconds).	Press D.
PS ON	Toggle between Power Saving on () and off () FF)	Press D.

- 5. Press (a) to exit the setting screen.

 Auto DST (:R:III:B) can be selected only while LIS, LON, MAD, PAR, ROM, BER, STO, ATH, MOW, TPE, SEL, TYO, HNL, ANC, YVR, LAX, YEA, DEN, MEX, CHI, NYC, YHZ, or YYT is selected as the Home City code. For more information, see "Daylight Saving Time (DST)" (page E-61).

 The day of the week is displayed automatically in accordance with the date (year, month, and day) settings.

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- 12-hour 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.
- any indicator.

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

Daylight Saving Time (DST)

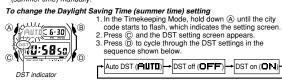
Daylight Saving Time (summer time) advances the time setting by one hour from Standard Time. Remember that not all countries or even local areas use Daylight

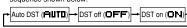
Standard Time. Hemember that not an counties or even local areas use beging. Saving Time. The time calibration signals transmitted from Mainflingen (Germany), Anthorn (England), or Fort Collins (the United States) include both Standard Time and DST data. When the Auto DST setting is turned on, the watch switches between Standard Time and DST (summer time) automatically in accordance with the signals.

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- Though the time calibration signals transmitted by the Fukushima and Fukuoka/ Saga, Japan transmitters include summer time data, summer time currently is not implemented in Japan (as of 2020).
 The default DST setting is Auto DST (FallII) whenever you select LIS, LON, MAD, PAR, ROM, BER, STO, ATH, MOW, TYO, ANC, YVR, LAX, YEA, DEN, MEX, CHI,
- NYC, YHZ, or YYT as your Home City code.

 If you experience problems receiving the time calibration signal in your area, it probably is best to switch between Standard Time and Daylight Saving Time (summer time) manually.





If you change your Home City to one that is within the same transmitter area, the current DST setting will be retained. If you change to a city that is outside your current transmitter area, DST will be turned off automatically.

Transmitter	Covered City Codes
Japan	TPE, SEL, TYO
China	HKG, BJS
U.S.	HNL, ANC, YVR, LAX, YEA, DEN, MEX, CHI, NYC, YHZ, YYT
Europe (U.K., Germany)	LIS, LON, MAD, PAR, ROM, BER, STO, ATH, MOW
None	All other city codes

- 4. When the setting you want is selected, press (A) to exit the setting screen.
 The DST indicator appears to indicate that Daylight Saving Time is turned on.

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.

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, alarms, the Hourly Time Signal, and other beepers all operate portubility.

normally.

To turn the button operation tone on and off



- In tone on and orr
 I. In the Timekeeping Mode, hold down (A) until the city code starts to flash, which indicates the setting screen.
 2. Press (C) nine times until the current button operation

- 2. Press ③ Inne times until me current outon operation tone setting (REY_h or MUTE) appears.

 3. Press ⑤ to toggle the setting between REY_h (tone on) and MUTE (tone off).

 4. Press ⑥ to exit the setting screen.

 The mule indicator is displayed in all modes when the button operation tone is turned off.

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Power Saving Function



When turned on, the Power Saving function enters a sleep state automatically whenever the watch is left in an area for a certain period where it is dark. The table below shows how watch functions are affected by the Power ving function

Elapsed Time in Dark	Display	Operation
60 to 70 minutes	Blank, with Power Saving indicator flashing	All functions enabled, except for the display
6 or 7 days		Auto receive, beeper tone, illumination, and display are disabled.

Wearing the watch inside the sleeve of clothing can cause it to enter the sleep state.

The watch will not enter the sleep state between 6:00 AM and 9:59 PM. If the watch is already in the sleep state when 6:00 AM arrives, however, it will remain in the sleep state.

To recover from the sleep state

Perform any one of the following operations.

- Move the watch to a well-lit area.
- · Press any button.
- . Angle the watch towards your face for reading (page E-47).

To turn Power Saving on and off



- and on

 I. In the Timekeeping Mode, hold down (A) until the city
 code starts to flash, which indicates the setting screen.

 2. Press (C) 11 times until the Power Saving on/off screen
- 2. Press (a) In times that the rower saving or (g.ft) and off (g.ft).

 3. Press (a) to exit the setting screen.

 4. Press (b) to exit the setting screen.

 The Power Saving indicator is on the display in all modes while Power Saving is turned on.

Radio-controlled Atomic Timekeeping Precautions

- Radio-controlled Atomic Timekeeping Precautions

 Strong electrostatic charge can result in the wrong time being set.

 The time calibration signal bounces off the ionosphere. Because of this, such factors as changes in the reflectivity of the ionosphere, as well as movement of the ionosphere to higher altitudes due to seasonal atmospheric changes or the time of day may change the reception range of the signal and make reception temporarily impossible.

 Even if the time calibration signal is received properly, certain conditions can cause the time setting to be off by up to one second.

 The current time setting in accordance with the time calibration signal takes priority over any time settings you make manually.

 The watch is designed to update the date and day of the week automatically for the period January 1, 2000 to December 31, 2099. Setting of the date by the time calibration signal cannot be performed starting from January 1, 2100.

 This watch can receive signals that differentiate between leap years and non-leap

- This watch can receive signals that differentiate between leap years and non-leap
- Though this watch is designed to receive both time data (hour, minutes, seconds) and date data (year, month, day), certain signal conditions can limit reception to time
- If you are in an area where proper time calibration signal reception is impossible, the
- which was the time with the precision noted in "Specifications".

 If you have problems with proper time calibration signal reception or if the time setting is wrong after signal reception, check your current city code, DST (summer time) (page E-58), and auto receive settings (page E-27).

 The Home City setting reverts to the initial default of TYO (Tokyo) whenever the battery power level drops to Level 5 or when you have the rechargeable battery replaced. If this happens, change the Home City to the setting you want (page E-11).

Transmitters

The time calibration signal received by this watch depends on the currently selected

- The time calibration signal received by this watch depends on the currently selected Home City code (page E-11).

 When a U.S. time zone is selected, the watch receives the time calibration signal transmitted from the United States (Fort Collins).

 When a Japanese time zone is selected, the watch receives the time calibration signal transmitted from Japan (Fukushima and Fukuoka/Saga).

 When a European time zone is selected, the watch receives the time calibration signals transmitted from Germany (Mainflingen) and England (Anthorn).

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- When a China time zone is selected, the watch receives the time calibration signals
- When a Clinia time Zolle is selected, the watch receives the time Calibration signals transmitted from China (Shangqiu City).
 When your Home City is LIS, LON, MAD, PAR, ROM, BER, STO, ATH, MOW (which can receive both the Anthorn and Mainflingen signals), the watch first tries to pick up the signal it last successfully received. If that fails, it tries the other signal. For the first receive after you select your Home City, the watch tries the nearest signal first (Anthorn for LIS, LON, Mainflingen for MAD, PAR, ROM, BER, STO, ATH, and MOW).

Auto Return

If you do not perform any operation for about two or three minutes while a setting screen (with a flashing setting) is on the display, the watch will exit the setting screen automatically.

Scrolling

The
 (B) and
 (D) 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 Mode or Alarm Mode, the data you were viewing when you last exited the mode appears first.

Timekeeping

- Timekeping

 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.

 The current time for all city codes in the Timekeeping Mode and World Time Mode is calculated in accordance with the Coordinated Universal Time (UTC) for each city, based on your Home City time setting.

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 The seconds count of the World Time is synchronized with the seconds count of the Timekeeping Mode

Illumination Precautions

- The electro-luminescent panel that provides illumination loses power after very long
- Illumination may be difficult 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.

Auto light switch precautions
• Avoid wearing the watch on the inside of your wrist. Doing so causes the auto light switch to operate when it is not needed, which shortens battery life. If you want to wear the watch on the inside of your wrist, turn off the auto light switch feature.

More than 15 degrees

- 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 Illumination turns off after a preset amount of time (1.5 or 3 seconds), even if you keep the watch pointed towards your face.
- Static electricity or magnetic force can interfere with proper operation of the auto light switch. If illumination does not turn on, try moving the watch back to the starting position (parallel with the ground) and then tilt it back toward you again. If this does not work, drop your arm all the way down so it hangs at your side, and then bring it back two, drop.
- Under certain conditions, illumination may not turn on until about one second after
- you turn the face of the watch towards you. This does not necessarily indicate malfunction of the auto light switch. You may notice a very faint clicking sound coming from the watch when it is shaken back and forth. This sound is caused by mechanical operation of the auto light switch, and does not indicate a problem with the watch.

Specifications

Accuracy at normal temperature: ± 15 seconds a month

Timekeeping: Hour, minutes, seconds, p.m. (P), month, day, day of the week Time format: 12-hour and 24-hour

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); Dual Time; Standard
Time / Daylight Saving Time (summer time)

Time Calibration Signal Reception: Auto receive 6 times a day (5 times a day for the
Chinese calibration signal) (Remaining auto receives cancelled as soon as
one is successful); Manual receive
Receivable Time Calibration Signals: Mainflingen, Germany (Call Sign: DCF77,
Frequency: 77.5 kHz); Anthorn, England (Call Sign: MSF, Frequency: 60.0
kHz); Fort Collins, Colorado, the United States (Call Sign: WWVB, Frequency:
60.0 kHz); Fixushima, Japan (Call Sign: JVY, Frequency: 40.0 kHz); Fukuoka/
Saga, Japan (Call Sign: JJY, Frequency: 60.0 kHz); Shangqiu City, Henan
Province, China (Call Sign: BPC, Frequency: 68.5 kHz)

World Time: 48 cities (31 time zones)
Other: Daylight Saving Time/Standard Time
Alarms: 5 daily alarms (with 1 snooze alarm); Hourly Time Signal

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

Input range: 1 minute to 24 hours (1-minute increments and 1-hour increments)

Illumination: EL (electro-luminescent panel); Full Auto Light Switch; Selectable

illumination duration

Other: Power Saving; Button operation tone on/off

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Power Supply: Solar cell and one rechargeable battery
Approximate battery operating time: 10 months (from full charge to Level 4) under
the following conditions:

Watch not exposed to light
Internal timekeeping
Display on 18 hours per day, sleep state 6 hours per day

I illumination operation(1.5 second) per day

Approximately 4 minutes of signal reception per day

Frequent use of illumination runs down the battery. Particular care is required when using the auto light switch.

Operating Precautions

Water Resistance

The information below applies to watches with WATER RESIST or WATER RESISTANT marked on the back cover.

		Water Resistance Under Daily Use	Enhanced Water Resistance Under Daily Use		
			5 Atmospheres	10 Atmospheres	20 Atmospheres
Marking	On watch front or on back cover	No BAR mark	5BAR	10BAR	20BAR
	Hand washing, rain	Yes	Yes	Yes	Yes
Example of	Water-related work, swimming	No	Yes	Yes	Yes
Daily Use	Windsurfing	No	No	Yes	Yes
	Skin diving	No	No	Yes	Yes

 $\,^{\circ}$ Do not use your watch for scuba diving or other types of diving that requires air tanks. $_{\mbox{\footnotesize CPUM-F}}$

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- Watches that do not have WATER RESIST or WATER RESISTANT marked on the watches that do not have WALEH RESIST or WALEH RESISTIANT interteed in the back cover are not protected against the effects of sweat. Avoid using such a watch under conditions where it will be exposed to large amounts of sweat or moisture, or to direct splashing with water.

 Even if a watch is water resistant, note the usage precautions described below.

 Such types of use reduce water resistance performance and can cause fogging of
- Do not operate the crown or buttons while your watch is submersed in water or
- wet.

 Avoid wearing your watch while in the bath.

 Do not wear your watch while in a heated swimming pool, sauna, or any other high temperature/high humidity environment.

 Do not wear your watch while washing your hands or face, while doing housework, or while performing any other task that involves soaps or detergents.
- After submersion in seawater, use plain water to rinse all salt and dirt from your
- watch.

 **To maintain water resistance, have the gaskets of your watch replaced periodically (about once every two or three years).
- A trained technician will inspect your watch for proper water resistance whenever you have its battery replaced. Battery replacement requires the use of special tools. Always request battery replacement from your original retailer or from an authorized CASIO service center.
 Some water-resistant watches come with fashionable leather bands. Avoid swimming, washing, or any other activity that causes direct exposure of a leather band to water.
- band to water.

 The inside surface of the watch glass may fog when the watch is exposed to a sudden drop in temperature. No problem is indicated if the fogging clears up relatively quickly. Sudden and extreme temperature changes (such as coming into an air conditioned room in the summer and standing close to an air conditioner outlet, or leaving a heated room in the winter and allowing your watch to come into contact with snow) can cause it to take longer for glass fogging to clear up. If glass fogging does not clear up or if you notice moisture inside of the glass, immediately stop using your watch and take it to your original retailer or to an authorized CASIO service center. service center.
- Your water-resistant watch has been tested in accordance with Internationa Organization for Standardization regulations

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- Tightening the band too tightly can cause you to sweat and make it difficult for air to pass under the band, which can lead to skin irritation. Do not fasten the band too tightly. There should be enough room between the band and your wrist so you can insert your finger.
- Insert your ringer.

 Deterioration, rust, and other conditions can cause the band to break or come off of your watch, which in turn can cause band pins to fly out of position or to fall out. This creates the risk of your watch falling from your wrist and becoming lost, and also creates the risk of personal injury. Always take good care of your band and keep it clean.
- Immediately stop using a band if you even notice any of the following: loss of band flexibility, band cracks, band discoloration, band looseness, band connecting pin flying or falling out, or any other abnormality. Take your watch to your original retailer or to a CASIO service center for inspection and repair (for which you will be charged) or to have the band replaced (for which you will be charged).

Temperature

- Never leave your watch on the dashboard of a car, near a heater, or in any other location that is subject to very high temperatures. Do not leave your watch where it will be exposed to very low temperatures. Temperature extremes can cause your watch to lose or gain time, to stop, or otherwise malfunction.

 Leaving your watch in an area hotter than +60°C (140°F) for long periods can lead to problems with its LCD. The LCD may become difficult to read at temperatures lower than 0°C (32°F) and greater than +40°C (104°F).

· Your watch is designed to withstand impact incurred during normal daily use and Your watch is designed to winstand impact incurred during normal cally use and during light activity such as playing catch, tennis, etc. Dropping your watch or otherwise subjecting it to strong impact, however, can lead to malfunction. Note that watches with shock-resistant designs (G-SHOCK, BABY-G, G-MS) can be worm while operating a chain saw or engaging in other activities that generate strong vibration, or while engaging in strenuous sports activities (motocross, etc.)

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Magnetism

Though a digital watch normally is not affected by magnetism, very strong magnetism (from medical equipment, etc.) should be avoided because it can cause malfunction and damage to electronic components.

- Exposure to very strong electrostatic charge can cause your watch to display the
 wrong time. Very strong electrostatic charge even can damage electronic
 components.
 Electrostatic charge can cause the display to go blank momentarily or cause a
 rainbow effect on the display.

Do not allow your watch to come into contact with thinner, gasoline, solvents, oils, or fats, or with any cleaners, adhesives, paints, medicines, or cosmetics that contain such ingredients. Doing so can cause discoloration of or damage to the resin case, resin band, leather, and other parts.

Storage

If you do not plan to use your watch for a long time, thoroughly wipe it free of all dirt, sweat, and moisture, and store it in a cool, dry place.

Resin Components

- · Allowing your watch to remain in contact with other items or storing it together with Aniowing your water to remain in contact with other items or storing it together with other items for long periods while it is wet can cause color on resin components to transfer to the other items, or the color of the other items to transfer to the resin components of your watch. Be sure to dry off your watch thoroughly before storing it and make sure it is not in contact with other items.

 Leaving your watch where it is exposed to direct sunlight (ultraviolet rays) for long periods or failure to clean dirt from your watch for long periods can cause it to
- become discolored.
- Friction caused by certain conditions (strong external force, sustained rubbing, impact, etc.) can cause discoloration of painted components.

 If there are printed figures on the band, strong rubbing of the printed area can cause discoloration.

- Leaving your watch wet for long periods can cause fluorescent color to fade. Wipe the watch dry as soon as possible after it becomes wet.
- the watch dry as soon as possible after it becomes well.

 Semi-transparent resin parts can become discolored due to sweat and dirt, and if exposed to high temperatures and humidity for long periods.

 Daily use and long-term storage of your watch can lead to deterioration, breaking, or bending of resin components. The extent of such damage depends on usage conditions and storage conditions.

Leather Band

- Allowing your watch to remain in contact with other items or storing it together with other items for long periods while it is wet can cause the color of the leather band to transfer to the other items or the color of the other items to transfer to the leather band. Be sure to dry off your watch thoroughly with a soft cloth before storing it and make sure it is not in contact with other items.
- Leaving a leather band where it is exposed to direct sunlight (ultraviolet rays) for long periods or failure to clean dirt from a leather band for long periods can cause it come discolored
- CAUTION: Exposing a leather band to rubbing or dirt can cause color transfer and

- Failure to clean dirt from metal components can lead to formation of rust, even if components are stainless steel or plated. If metal components exposed to sweat or water, wipe thoroughly with a soft, absorbent cloth and then place the watch in a well-ventilated location to dry.

 Use a soft toothbrush or similar tool to scrub the metal with a weak solution of water and a mild neutral detergent, or with soapy water. Next, rinse with water to remove all remaining detergent and then wipe dry with a soft absorbent cloth. When washing metal components, wrap the watch case with kitchen plastic wrap so it does not come into contact with the detergent or soap.

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Bacteria and Odor Resistant Band

The bacteria and odor resistant band protects against odor generated by the formation of bacteria from sweat, which ensures comfort and hygiene. In order to ensure maximum bacteria and odor resistance, keep the band clean. Use an absorbent soft cloth to thoroughly wipe the band clean of dirt, sweat, and moisture. A bacteria and odor resistant band suppresses the formation of organisms and bacteria. It does not protect against rash due to allergic reaction, etc.

Liquid Crystal Display

Display figures may be difficult to read when viewed from an angle.

User Maintenance Caring for Your Watch

Remember that you wear your watch next to your skin, just like a piece of clothing. To ensure your watch performs at the level for which it is designed, keep it clean by frequently wiping with a soft cloth to keep your watch and band free of dirt, sweat, water and other foreign matter.

• Whenever your watch is exposed to sea water or mud, rinse it off with clean fresh

- water.

 For a metal band or a resin band with metal parts, use a soft toothbrush or similar tool to scrub the band with a weak solution of water and a mild neutral detergent, or with soapy water. Next, rinse with water to remove all remaining detergent and then wipe dry with a soft absorbent cloth. When washing the band, wrap the watch case with kitchen plastic wrap so it does not come into contact with the detergent or soap.

 For a resin band, wash with water and then wipe dry with a soft cloth. Note that sometimes a smudge like pattern may appear on the surface of a resin band. This will not have any effect on your skin or clothing. Wipe with a cloth to remove the smudge pattern.

Clean water and sweat from a leather band by wiping with a soft cloth.
 Not operating a watch crown, buttons, or rotary bezel could lead to later problems with their operation. Periodically rotate the crown and rotary bezel, and press buttons to maintain proper operation.

Dangers of Poor Watch Care

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- Though the metal steel used for your watch is highly rust-resistant, rust can form if your watch is not cleaned after it becomes dirty.
 Dirt on your watch can make it impossible for oxygen to come into contact with the metal, which can lead to breakdown of the oxidization layer on the metal surface and the formation of rust.
- Rust can cause sharp areas on metal components and can cause band pins to fly out of position or to fall out. If you ever notice any abnormality immediately stor using your watch and take it to your original retailer or to an authorized CASIO service center.

Even if the surface of the metal appears clean, sweat and rust in crevasses can soil the sleeves of clothing, cause skin irritation, and even interfere with watch performance.

Premature Wear

Leaving sweat or water on a resin band or bezel, or storing your watch an area subject to high moisture can lead to premature wear, cuts, and breaks.

Individuals with sensitive skin or in poor physical condition may experience skin irritation when wearing a watch. Such individuals should keep their leather banc resin band particularly clean. Should you ever experience a rash or other skin irritation, immediately remove your watch and contact a skin care professional.

The special rechargeable battery used by your watch is not intended to be removed or replaced by you. Use of a rechargeable battery other than the special one specified for your watch can damage your watch.

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• The rechargeable (secondary) battery is charged when the solar panel is exposed to light, so it does not require regular replacement as the primary battery requires. Note, however, that long use or operating conditions can cause the capacity or charging efficiency of the rechargeable battery to deteriorate. If you feel that the amount of operation provided by charging is too short, contact your original retailer or CASIO service center.





City Code Table





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City Code Table

City Code	City	UTC Offset/ GMT Differential
UTC		
LIS	Lisbon	0
LON	London	
MAD	Madrid	
PAR	Paris]
ROM	Rome	+1
BER	Berlin]
STO	Stockholm	
ATH	Athens	
CAI	Cairo	+2
JRS	Jerusalem	1
MOW	Moscow	+3
JED	Jeddah	+3

City Code	City	UTC Offset/ GMT Differential
THR	Tehran	+3.5
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	+6
TPE	Taipei]
SEL	Seoul	+9
TYO	Tokyo	+9

City Code	City	UTC Offset/ GMT Differential
ADL	Adelaide	+9.5
GUM	Guam	+10
SYD	Sydney	+10
NOU	Noumea	+11
WLG	Wellington	+12
PPG	Pago Pago	-11
HNL	Honolulu	-10
ANC	Anchorage	-9
YVR	Vancouver	_8
LAX	Los Angeles] -
YEA	Edmonton	-7

City Code	City	GMT Differential
DEN	Denver	-7
MEX	Mexico City	-6
CHI	Chicago	-6
NYC	New York	-5
SCL	Santiago	4
YHZ	Halifax	-4
YYT	St. Johns	-3.5
RIO	Rio De Janeiro	-3
FEN	Fernando de Noronha	-2
RAI	Praia	-1

Based on data as of July 2020.
 The rules governing global times (UTC offset and GMT differential) and summer time are determined by each individual country.



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